Project Costs - Construction, Right of Way and Utilities (in millions)

	ALTERNATIVE E					ALTERNATIVE I											
	Segment Description	Construction								Construction							
Construction Contract #		Today's Cost with 25% Contingency	Mid-Year of Construction	Inflation Rate ¹	Inflation Costs	Total Const.	Right-of-Way with Inflation	•	Combined Construction, Right of Way and Utilities Total	Today's Cost with 25% Contingency	Inflation Rate ⁺	Inflation Costs	Total Const.	Right-of-Way with Inflation	Utilities with Inflation	Combined Construction, Right of Way and Utilities Total	
KY-2	Kyles Lane Bridge Replacement	\$7.2	7/16/18	46.50%	\$3.4	\$10.6	\$0.0	\$0.0	\$10.6	\$7.2	7/16/18	46.50%	\$3.4	\$10.6	\$0.0	\$0.0	\$10.6
KY-3	Dixie Highway Bridge Replacement	\$7.8	1/15/16	29.70%	\$2.3	\$10.1	\$0.0	\$0.0	\$10.1	\$7.8	1/15/16	29.70%	\$2.3	\$10.1	\$0.0	\$0.0	\$10.1
КҮ-5	I-75 Reconstruction from Mile Point 187.2 to Mile Point 189.5	\$71.5	1/14/20	57.60%	\$41.2	\$112.7	\$5.5	\$0.0	\$118.2	\$71.5	1/14/20	57.60%	\$41.2	\$112.7	\$5.5	\$0.0	\$118.2
КҮ-6	I-75 Reconstruction from Mile Point 189.5 to the South Termini of the 12 th Street Interchange	\$33.2	7/16/19	53.80%	\$17.9	\$51.1	\$4.2	\$0.0	\$55.3	\$33.2	7/16/19	53.80%	\$17.9	\$51.1	\$4.2	\$0.0	\$55.3
КҮ-7	I-75 Reconstruction from the South Termini of 12 th Street Interchange to the New Bridge over the Ohio River	\$273.6	1/14/20	57.60%	\$157.6	\$431.2	\$15.6	\$0.0	\$446.8	\$242.5	1/14/20	57.60%	\$139.7	\$382.2	\$10.5	\$0.0	\$392.7
OH-1	I-71/I-471 Ramp Modifications	\$4.6	7/16/14	20.50%	\$0.9	\$5.5	\$0.0	\$0.0	\$5.5	\$4.6	7/16/14	20.50%	\$0.9	\$5.5	\$0.0	\$0.0	\$5.5
OH-1A	I-71/I-471	\$1.7	5/31/22	76.60%	\$1.3	\$3.0	\$0.0	\$0.0	\$3.0	\$1.7	5/31/22	76.60%	\$1.3	\$3.0	\$0.0	\$0.0	\$3.0
он-2	Linn Street Bridge Replacement and Gest Street reconstruction	\$12.3	12/8/15	29.20%	\$3.6	\$15.9	\$0.1	\$0.8	\$16.8	\$10.8	12/8/15	29.20%	\$3.1	\$13.9	\$0.02	\$0.8	\$14.7
ОН-3	Ezzard Charles Drive Bridge Replacement; Western Avenue Reconstruction; Freeman Avenue Interchange Reconstruction; Winchell Street Reconstruction; and the Court Street Cul- de-sac, 9th St Entrance Ramp Construction	\$23.3	7/16/16	32.90%	\$7.6	\$30.9	\$0.03	\$0.2	\$31.1	\$23.0	7/16/16	32.90%	\$7.5	\$30.5	\$0.04	\$0.2	\$30.7
ОН-4	7 th /8 th /9 th Street Interchange, 6th St North Reconstruction	\$40.6	7/16/16	32.90%	\$13.3	\$53.9	\$7.8	\$0.0	\$61.7	\$30.0	7/16/16	32.90%	\$9.8	\$39.8	\$4.6	\$0.0	\$44.4
OH-5	Western Hills Viaduct Interchange Reconstruction from Findlay Street to the northern terminus of the corridor	\$160.1	3/2/19	51.30%	\$82.1	\$242.2	\$4.6	\$0.2	\$247.0	\$84.9	3/2/19	51.30%	\$43.5	\$128.4	\$1.3	\$0.2	\$129.9
OH-6	I-75 Reconstruction from North of Linn Street to Findlay Street	\$24.8	1/15/20	57.60%	\$14.3	\$39.1	\$0.0	\$2.2	\$41.3	\$31.5	1/15/20	57.60%	\$18.1	\$49.6	\$0.0	\$2.2	\$51.8
ОН-7	I-75 Reconstruction from the New Bridge over the Ohio River to North of Linn Street	\$411.5	1/14/20	57.60%	\$237.0	\$648.5	\$13.4	\$89.7	\$751.6	\$373.1	1/14/20	57.60%	\$214.9	\$588.0	\$13.7	\$89.7	\$691.4
КҮ-4	New Ohio River Bridge - Alternative 1	\$414.8	6/1/17	37.60%	\$155.9	\$570.7	\$0.0	\$0.0	\$570.7	\$414.8	6/1/17	37.60%	\$155.9	\$570.7	\$0.0	\$0.0	\$570.7
	New Ohio River Bridge - Alternative 1	\$474.2	1/1/18	41.00%	\$194.4	\$668.6	\$0.0	\$0.0	\$668.6	\$474.2	1/1/18	41.00%	\$194.4	\$668.6	\$0.0	\$0.0	\$668.6
	New Ohio River Bridge - Alternative 5	\$458.5	1/1/18	41.00%	\$187.8	\$646.3	\$0.0	\$0.0	\$646.3	\$458.5	1/1/18	41.00%	\$187.8	\$646.3	\$0.0	\$0.0	\$646.3
		+	-, -,		+	7	<i></i>	+	70.000	+	-, -,		+	+	7	+	
КҮ-8	Rehabilitation of the Existing Brent Spence Bridge	\$40.6	1/14/21	65.50%	\$26.5	\$67.1	\$0.0	\$0.0	\$67.1	\$40.6	1/14/21	65.50%	\$26.5	\$67.1	\$0.0	\$0.0	\$67.1

-1.

1. Based on mid year of anticipated construction duration



Estimate Alt E KY cont 2

Estimated Cost: \$7,209,761.51 Contingency: 46.50% Estimated Total: \$10,562,300.61

Base Date: 01/01/15 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt E KY cont 2				PB Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
Group 0001: Pavement Remova	I			
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	2,373.00	SY	\$8.00000	\$18,984.00
			Total for Group 0001:	\$18,984.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1,104.00	CY	\$30.00000	\$33,120.00
			Total for Group 0002:	\$33,120.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0344 203E10000 EXCAVATION	9,936.00	CY	\$8.00000	\$79,488.00
LACAVATION			Total for Group 0003:	\$79,488.00
Group 0004: Excavation - Hazar	dous			
0006 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0	004: \$0.00
Group 0005: Fill - Embankment	(includes	wasting e	xcess excavation)	
0007 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0345 203E20000	11,040.00	CY	\$6.00000	\$66,240.00
EMBANKMENT			Total for Group 0005:	\$66,240.00
Group 0006: Fill - Lime Modified	Soil			
0010 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0346 205E10050	0.00	CY	\$7.00000	\$0.00
LIME STABILIZED EMBANKMENT 0347 205E10300	0.00	TON	\$5.00000	\$0.00
LIME			Total for Group 0	006: \$0.00
Group 0007: Fill - Borrow				
0011 A-MC-RDWY	0.00	CY	\$8.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0	007: \$0.00
Group 0008: Concrete Barrier			·	·
Group 0008: Concrete Barrier 0012 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0465 622E10060	0.00	FT	\$110.00000	\$0.00
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Estimate: Alt E KY cont 2			PB	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE	, TYPE B			
			Total for Group 0008	: \$0.00
Group 0009: Subgrade Treatmen	t - Lime			
0014 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
			Total for Group 0009	: \$0.00
Group 0010: Subgrade Treatmen	t - Ceme	nt		
0016 A-MC-RDWY	3,309.00		\$2.50000	\$8,272.50
MAJOR COST DRIVERS, ROADWAY			Total for Group 0010: \$8	.272.50
				,
Group 0011: Subgrade Treatmen				\$0.00
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
			Total for Group 0011	: \$0.00
Group 0012: Other Roadway Cos	sts			
0019 A-OC-RDWY OTHER COSTS, ROADWAY	0.00	LS	\$0.00000	\$0.00
Contingency 0020 201E11000	0.00	15	\$856,500.00000	\$0.00
CLEARING AND GRUBBING 0021 201E21800	0.00		\$250.00000	\$0.00
TREE REMOVED, 18" SIZE				
0022 201E23000 TREE REMOVED, 30" SIZE	0.00		\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0028 202E35200 PIPE REMOVED, OVER 24"	0.00	FT		\$0.00
0029 202E38000 GUARDRAIL REMOVED	0.00	FT		\$0.00
0030 202E42206	0.00	EACH		\$0.00
ANCHOR ASSEMBLY REMOVED 0031 202E58000	0.00	EACH		\$0.00
MANHOLE REMOVED 0032 202E58100	0.00	EACH		\$0.00
CATCH BASIN REMOVED 0033 202E75000	0.00	FT		\$0.00
FENCE REMOVED 0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

7:28:10AM Thursday, December 02, 2010

Estimate: Alt E KY cont 2				PB Americas, Inc.
Line # Item Number	Quantity	Units	Unit Price	Extension
Description	<u></u>	<u></u>	<u></u>	
Supplemental Description				
PROOF ROLLING				
0035 204E10000	0.00	SY	\$0.81000	\$0.00
SUBGRADE COMPACTION	0.00	FT		#0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF JC	0.00 DINT. TYPE A	FT		\$0.00
0037 606E13000 GUARDRAIL, TYPE 5	0.00	FT	\$14.00000	\$0.00
0038 606E22000	0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE B-98 0039 606E22010	0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE E-98				ţ
0040 606E26500	0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE T 0041 606E35000	0.00	EACH		\$0.00
BRIDGE TERMINAL ASSEMBLY, ¹		L/torr		φ0.00
0042 606E35100	0.00	EACH		\$0.00
BRIDGE TERMINAL ASSEMBLY, 7 0043 606E60010		EACH		\$0.00
IMPACT ATTENUATOR, TYPE 1-9		-		φ0.00
0044 607E15000	0.00			\$0.00
FENCE, TYPE 47				
For Fencing 0423 304E20000	0.00	CY		\$0.00
AGGREGATE BASE				
For Fencing	0.00	01/		#0.00
0424 601E32100 ROCK CHANNEL PROTECTION, ⁻	0.00 TYPE B WITH FIL			\$0.00
For Fencing				
0425 607E40500	0.00	EACH		\$0.00
GATE, TYPE 47				
For Fencing 0426 625E32000	0.00	EACH		\$0.00
GROUND ROD				
For Fencing	0.00		00000 02	00.02
0466	0.00		\$0.00000 Total for Group	\$0.00 0012: \$0.00
				0012. φ0.00
Group 0014: Seeding & Mulc	hina / Soddir	na		
0045 B-MC-ERCO	1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSIC		LO	\$0.00000	φ0.00
0467 659E10000	1,328.00	SY	\$1.00000	\$1,328.00
SEEDING AND MULCHING 0531 660E25000	0.00	SY	\$15.00000	\$0.00
SODDING STAKED			Total for Group 001	1. \$1 328 00
			Total for Group 0014	τ. ψι,320.00
Group 0015: Rock Channel F	Protection			
0047 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSIC				
			\$75.00000	\$1,800.00
ROCK CHANNEL PROTECTION, 7		IER	Total for Group 001	5· ¢1 800 00
			Total for Group 001	. φι,000.00
Group 0016: Erosion Control	- Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
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Estimate: Alt E KY cont 2			PB /	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
MAJOR COST DRIVERS, EROSION CO				
0470 832E10000 STORM WATER POLLUTION PREVENT	1.00 FION PLAN	LS	\$20,000.00000	\$20,000.00
0471 832E20000 EROSION CONTROL	3,000.00	EACH	\$1.00000	\$3,000.00
2.000.000.000			Total for Group 0016: \$23,	000.00
Group 0017: Other Erosion Contr	ol Costs			
0049 670E00700	0.00	SY		\$0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, EROSION CONTROL 0051 659E00100	0.00	EACH	\$0.00000	\$0.00
SOIL ANALYSIS TEST 0052 659E00300	0.00		÷	\$0.00
TOPSOIL				
0053 659E14000 REPAIR SEEDING AND MULCHING	0.00	SY		\$0.00
0054 659E15000 INTER-SEEDING	0.00	SY	\$0.71000	\$0.00
0055 659E20000 COMMERCIAL FERTILIZER	0.00	TON		\$0.00
0056 659E31000 LIME	0.00	ACRE	\$0.00000	\$0.00
0057 659E35000 WATER	0.00	MGAL	\$5.00000	\$0.00
0058 659E40000 MOWING	0.00	MSF	\$0.00000	\$0.00
			Total for Group 0017:	\$0.00
Group 0018: Underdrains				
0059 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0062 605E05100	1,223.00	FT	\$8.00000	\$9,784.00
4" SHALLOW PIPE UNDERDRAINS	1,220.00			
			Total for Group 0018: \$9,	784.00
Group 0019: Culverts - Type A: <	5'			
0474 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	LS	\$0.00000	\$0.00
0480 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$350.00000	\$0.00
Pipe Structures - Reinforced Concrete Pi			64 500 00000	# 0.00
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Group 0019:	\$0.00
	4.01			Ŧ - · · ·
Group 0021: Culverts, Type A: 5' 0067 C-MC-DRNG		18	00000 02	¢0.00
MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000	\$0.00
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Estimate: Alt E KY cont 2			PB	Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
Pipe Structures - Reinforced Concrete 5' 0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		78" EACH	\$2,000.00000	\$0.00
Concrete - rieauwaiis/ wirigwaiis			Total for Group 0021	: \$0.00
Group 0022: Culverts, Type A: 10)' - 20'			
0486 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0487 C-MC-DRNG	0.00	FT	\$1,400.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete Pi	ipe 10'-20'			
0488 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Group 0022	· \$0.00
				. ψ0.00
Group 0024: BMP's	4.00		# 0.0000	\$ 0.00
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group 0024	: \$0.00
Group 0025: Closed Storm Syste	m			
0077 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0489 603E13400 30" CONDUIT, TYPE B (Average size)	190.00	FT	\$75.00000	\$14,250.00
0523 604E00800 CATCH BASIN, NO. 3A	4.00	EACH	\$1,500.00000	\$6,000.00
0524 604E31500 MANHOLE, NO. 3	0.00	EACH	\$3,000.00000	\$0.00
0525 604E36601		EACH	\$1,250.00000	\$2,500.00
PRECAST REINFORCED CONCRETE (0526 Special Pump Station (Storm)	0.00		\$6,400,000.00000	\$0.00
0527 Special Stormceptors	0.00	EACH	\$5,750.00000	\$0.00
0529 Special	0.00	LS	\$109,000.00000	\$0.00
Retention basin improvements			Total for Group 0025: \$22	,750.00
Croup 0026: Other Drainage Cos	to			
Group 0026: Other Drainage Cos	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, DRAINAGE		-		
			Total for Group 0026	. \$0.00
Group 0027: Mainline - Travel La				•
0095 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0494 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Corr	0.00 mpaction	SY	\$68.00000	\$0.00
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Estimate: Alt E KY cont 2			PB A	mericas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
			Total for Group 0027:	\$0.00
Group 0028: Mainline - Outside	Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN	1.00	LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement	0.00	SY	\$68.00000	\$0.00
Includes 6" Agg base and Subgrade C	compaction		Total for Group 0028:	\$0.00
Group 0030: Mainline - Inside S	Shoulder			
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN	1.00 T	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement	0.00	SY	\$68.00000	\$0.00
Includes 6" Agg base and Subgrade C	Compaction		Total for Group 0030:	\$0.00
Group 0031: Ramps (including	shoulders)			
0122 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN	1.00 T	LS	\$0.00000	\$0.00
0497 D-MC-PVMT 13" Reinforced Concrete Pavement	0.00	SY	\$68.00000	\$0.00
Includes 6" Agg base and Subgrade C	Compaction		Total for Group 0031:	\$0.00
Group 0032: Non - Mainline La	nes			
0132 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN	1.00 T	LS	\$0.00000	\$0.00
0498 D-MC-PVMT Asphalt	3,309.00	SY	\$41.00000	\$135,669.00
Includes 3" 448, 9" 301, 6" Agg base a	and Subgrade (Compaction	Total for Group 0032: \$135,6	669.00
Group 0041: Other Pavement 0	Costs			
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, PAVEMENT			Total for Group 0041:	\$0.00
Group 0042: Water Works				
0164 E-MC-WATR MAJOR COST DRIVERS, WATER LIN	0.00	LS	\$0.00000	\$0.00
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Group 0042:	\$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY	0.00 SEWER	LS	\$0.00000	\$0.00
7:28:10AM				/

Estimate: Alt E KY cont 2			PB A	mericas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
			Total for Group 0043:	\$0.00
Group 0044: Lighting - Full Interch	ange			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	EACH	\$469,000.00000	\$0.00
			Total for Group 0044:	\$0.00
Group 0045: Lighting - Partial Inter	rchange	9		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0045:	\$0.00
Group 0046: Lighting - Continuous	Roadv	vay		
0176 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0500 G-MC-LTNG Lighting - Continuous	1,510.00	FT	\$35.00000	\$52,850.00
			Total for Group 0046: \$52,	850.00
Group 0047: Other Lighting Costs				
0177 G-OC-LTNG OTHER COSTS, LIGHTING	0.00	LS	\$0.00000	\$0.00
Officie COSTS, LIGHTING			Total for Group 0047:	\$0.00
Group 0048: Traffic Surveillance				
0178 H-OC-SURV	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC SURVEILLANC			Total for Group 0048:	\$0.00
Group 0049: Signs				
0179 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CONT 0501 J-MC-TRAF	0.29	MILE	\$250,000.00000	\$72,500.00
Signs			Total for Group 0049: \$72,	500.00
Group 0050: Pavement Marking				
0200 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CONT 0502 644E00100	0.11	MILE	\$3,000.00000	\$330.00
EDGE LINE 0503 644E00200	0.16	MILE	\$2,000.00000	\$320.00
LANE LINE			Total for Group 0050: \$	650.00

Group 0051: Other Traffic Control Costs

Estimate: Alt E KY cont 2 Line # Item Number G Description Supplemental Description	luantity	<u>Units</u>	PB / <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
0208 J-OC-TRAF	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC CONTROL	_	_	Total for Group 0051:	\$0.00
Group 0052: Signals - Intersections ⁰²¹² K-MC-SGNL MAJOR COST DRIVERS, SIGNALS	2.00	EACH	\$175,000.00000 Total for Group 0052: \$350,	\$350,000.00 000.00
Group 0053: Other Traffic Signal Co	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, SIGNALS		20		
Group 0054: Landscaping	1 00		Total for Group 0053:	
MAJOR COST DRIVERS, LANDSCAPING	1.00		\$0.00000	\$0.00
0215 L-OC-LSCP OTHER COSTS, LANDSCAPING	1.00	LS	\$0.00000 Total for Group 0054:	\$0.00
Group 0055: Retaining Walls \$125 0216 M-MC-WALL MAJOR COST DRIVERS, RETAINING WAL 0504 M-MC-WALL Retaining Walls	1.00	LS	ps, barriers and testing \$0.00000 \$135.00000	\$0.00 \$0.00
Group 0056: Other Retaining Wall (0217 M-OC-WALL OTHER COSTS, RETAINING WALLS	Costs 1.00	LS	Total for Group 0055: \$0.00000 Total for Group 0056:	\$0.00
Group 0057: Building Demolition				
0218 N-MC-DEMO MAJOR COST DRIVERS, BUILDING DEMO	1.00 DLITION	LS	\$0.00000	\$0.00
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITION	1.00	LS	\$0.00000	\$0.00
0533 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Commercial	0.00	EACH	\$30,000.00000	\$0.00
0534 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Commercial	0.00	EACH	\$15,000.00000	\$0.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Residential	0.00	EACH	\$12,000.00000	\$0.00
0536 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Residential	0.00	EACH	\$7,500.00000	\$0.00
0537 202E98100 7:28:10AM	0.00	EACH	\$8,500.00000	\$0.00

7:28:10AM Thursday, December 02, 2010

Estimate: Alt E KY cont 2 Line # Item Number Q Description Supplemental Description	<u>uantity</u>	<u>Units</u>	PB / <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
REMOVAL MISC.: Radio Tower				
Naulo Tower			Total for Group 0057:	\$0.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIER	0.00	LS	\$400.00000	\$0.00
Noise Barrier			Total for Group 0058:	\$0.00
Group 0059: Other Noise Barrier Co	ete			
0221 P-OC-NSBR	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, NOISE BARRIER 0368 P-MC-NSBR	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIER			Total for Group 0059:	\$0.00
				Q
Group 0060: New Structures	1.00	IS	\$0.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES	313.00		·	\$3,914,125.00
Tier 1 Structures to 25' Height 0507 R-MC-STRC	0.00		\$12.00000	\$0.00
Removal of Existing Structures non-complex			\$17.00000	\$423,963.00
Standard Removal of Existing Structures abo 0509 R-MC-STRC		age complex	\$30.00000	\$0.00
Removal of Existing Structures complex to ve 0513 R-MC-STRC		olex	\$150.00000	\$0.00
Tier 2 Structures 25' to 50' Height 0516 R-MC-STRC	0.00		\$200.00000	\$0.00
Tier 3 Structures 50' to 75' Height	0.00	01		
			Total for Group 0060: \$4,338,	088.00
Group 0061: Rehabilitated Structure				
0223 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	0.00	SF	\$45.00000	\$0.00
			Total for Group 0061:	\$0.00
Group 0062: Other Structure Costs				
0224 R-OC-STRC OTHER COSTS, STRUCTURES	0.00	LS	\$0.00000	\$0.00
Contingency			Total for Group 0062:	\$0.00
-	_			ψ0.00
Group 0063: Temporary Road and R 0225 S-MC-MNTC	Paven 1.00		\$0,0000	¢0.00
0225 S-MC-MNTC MAJOR COST DRIVERS, MAINTENANCE (\$0.00000	\$0.00
7:28:10AM				

Estimate: Alt E KY cont 2 Line # Item Number Quantity Units Description Item Number Item Number Item Number	PB A <u>Unit Price</u>	mericas, Inc. <u>Extension</u>
Supplemental Description		
	Total for Group 0063:	\$0.00
Croup 0064: Portable Constate Parrier (PCP)		
Group 0064: Portable Concrete Barrier (PCB) 0226 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC		
	Total for Group 0064:	Φ 0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0066:	\$0.00
Croup 0067, Tomporon, Signala		
Group 0067: Temporary Signals 0230 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC		
	Total for Group 0067:	Ф 0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0069:	\$0.00
Croup 0070: Other MOT Costs		
Group 0070: Other MOT Costs 0233 S-OC-MNTC 1.00 LS	\$0.00000	\$0.00
OTHER COSTS, MAINTENANCE OF TRAFFIC 0512 S-OC-MNTC 0.29 MILE	\$500,000.00000	\$145,000.00
OTHER COSTS, MAINTENANCE OF TRAFFIC		
	Total for Group 0070: \$145,0	00.00
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt E KY cont 2				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
0235 U-MC-MISC MAJOR COST DRIVERS, MISCEI	0.00 LANEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOL	0.00 JS COSTS	LS	\$0.00000	\$0.00
0237 100E00300	0.00		\$10,000.00000 IC LIABILITY AND PROPERTY DAMAGE	\$0.00
0238 623E10000 CONSTRUCTION LAYOUT STAK 0.5%	1.00 ES	LS	\$26,797.62000	\$26,797.62
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$107,190.47000	\$107,190.47
0240 619E16020 FIELD OFFICE, TYPE C	19.00	MNTH	\$2,500.00000	\$47,500.00
0242 624E10000 MOBILIZATION	1.00	LS	\$200,000.00000	\$200,000.00
0511 103E05000 PREMIUM FOR CONTRACT PER 0.5%	1.00 FORMANCE BON		\$26,797.62000 OR PAYMENT BOND	\$26,797.62
0518	0.00		\$0.00000	\$0.00
0519	0.00		\$0.00000	\$0.00
0520	0.00		\$0.00000	\$0.00
0521	0.00		\$0.00000	\$0.00
0532	0.00		\$0.00000	\$0.00
			Total for Group 0072:	\$408,285.71

Group 0073: Design Contingency Costs

			-				
0243	V-MC-CNTG		1.00	LS	\$0.00000	\$0.00	
MA	JOR COST DRI\	/ERS, CONTING	GENCY COSTS				
0244	V-OC-CNTG		1.00	LS	\$1,441,952.30000	\$1,441,952.30	_
OTH	HER COSTS, CO	ONTINGENCY C	OSTS				
25%	6						

Total for Group 0073: \$1,441,952.30

Group 0074: Inflation Contingency

0266 V-OC-CNTG OTHER COSTS, CONTINGENCY COSTS	0.00	LS	\$0.00000	\$0.00
,			Total for Group 0074: \$	0.00

Total for Group 0074: \$0.00

Estimate Alt E KY cont 3

Estimated Cost: \$7,818,842.99 Contingency: 29.70% Estimated Total: \$10,141,039.36

Base Date: 01/01/15 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt E KY cont 3				PB Americas, Inc.	
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension	
<u>Description</u> Supplemental Description					
Group 0001: Pavement Remova	l				
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00	
0343 202E23000 PAVEMENT REMOVED	2,006.00	SY	\$8.00000	\$16,048.00	
			Total for Group 0001: \$	\$16,048.00	
Group 0002: Excavation - Rock					
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1,960.00	CY	\$30.00000	\$58,800.00	
			Total for Group 0002:	\$58,800.00	
Group 0003: Excavation - Soil					
0004 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00	
0344 203E10000 EXCAVATION	17,640.00	CY	\$8.00000	\$141,120.00	
			Total for Group 0003: \$1	41,120.00	
Group 0004: Excavation - Hazardous					
0006 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00	
			Total for Group 00	004: \$0.00	
Group 0005: Fill - Embankment	(includes	wasting	g excess excavation)		
0007 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00	
0345 203E20000 EMBANKMENT	19,600.00	CY	\$6.00000	\$117,600.00	
			Total for Group 0005: \$1	17,600.00	
Group 0006: Fill - Lime Modified	Soil				
0010 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00	
0346 205E10050 LIME STABILIZED EMBANKMENT	0.00	CY	\$7.00000	\$0.00	
0347 205E10300 LIME	0.00	TON	\$5.00000	\$0.00	
			Total for Group 00	006: \$0.00	
Group 0007: Fill - Borrow					
0011 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$8.00000	\$0.00	
			Total for Group 00	007: \$0.00	
Group 0008: Concrete Barrier					
0012 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00	
MAJOR COST DRIVERS, ROADWAY 0465 622E10060	0.00	FT	\$110.00000	\$0.00	
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Estimate: Alt E KY cont 3			PE	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE,	TYPE B			
	THE D		Total for Group 0008	8: \$0.00
Crown 0000: Subgrade Tractman				
Group 0009: Subgrade Treatmen	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY				
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
TEST KOLLING			Total for Group 0009): \$0.00
Crown 0040: Subgrade Tractman				
Group 0010: Subgrade Treatmen	533.00		\$2.50000	\$1,332.50
MAJOR COST DRIVERS, ROADWAY	555.00	01		
			Total for Group 0010: \$1	,332.50
Group 0011: Subgrade Treatmen	t - Unde	rcut & I	Backfill	
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAT			Total for Group 0011	: \$0.00
	4-			
Group 0012: Other Roadway Cos	0.00	18	\$0.00000	\$0.00
OTHER COSTS, ROADWAY	0.00	LO	\$0.00000	φ0.00
Contingency 0020 201E11000	0.00	LS	\$856,500.00000	\$0.00
CLEARING AND GRUBBING 0021 201E21800	0.00	EACH	\$250.00000	\$0.00
TREE REMOVED, 18" SIZE 0022 201E23000	0.00	EACH	\$405.00000	\$0.00
TREE REMOVED, 30" SIZE 0023 201E24800	0.00	EACH	\$772.00000	\$0.00
TREE REMOVED, 48" SIZE				
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0028 202E35200 PIPE REMOVED, OVER 24"	0.00	FT		\$0.00
0029 202E38000 GUARDRAIL REMOVED	0.00	FT		\$0.00
0030 202E42206	0.00	EACH		\$0.00
ANCHOR ASSEMBLY REMOVED 0031 202E58000	0.00	EACH		\$0.00
MANHOLE REMOVED 0032 202E58100	0.00	EACH		\$0.00
CATCH BASIN REMOVED 0033 202E75000	0.00			\$0.00
FENCE REMOVED			A (A A A A A A A A A A	
0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

Estimate: Alt E KY cont 3			PB A	mericas, Inc.
Line # Item Number Qu	uantity	<u>Units</u>	Unit Price	Extension
<u>Description</u>	-			
Supplemental Description				
PROOF ROLLING				
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00
0036 451E30000	0.00	FT		\$0.00
SPECIAL - PRESSURE RELIEF JOINT, TYP 0037 606E13000	PE A 0.00	FT	\$14.00000	\$0.00
GUARDRAIL, TYPE 5			• •••••••••	
0038 606E22000 ANCHOR ASSEMBLY, TYPE B-98	0.00	EACH		\$0.00
0039 606E22010 ANCHOR ASSEMBLY, TYPE E-98	0.00	EACH		\$0.00
0040 606E26500	0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE T 0041 606E35000	0.00	EACH		\$0.00
BRIDGE TERMINAL ASSEMBLY, TYPE 1	0.00	LAGH		
0042 606E35100 BRIDGE TERMINAL ASSEMBLY, TYPE 2	0.00	EACH		\$0.00
0043 606E60010		EACH		\$0.00
IMPACT ATTENUATOR, TYPE 1-98 (BIDIRE 0044 607E15000	CTION 0.00	,		\$0.00
FENCE, TYPE 47				•
For Fencing 0423 304E20000	0.00	CY		\$0.00
AGGREGATE BASE For Fencing				
0424 601E32100	0.00	CY		\$0.00
ROCK CHANNEL PROTECTION, TYPE B W For Fencing	ITH FIL	TER		
0425 607E40500	0.00	EACH		\$0.00
GATE, TYPE 47 For Fencing				
0426 625E32000	0.00	EACH		\$0.00
GROUND ROD For Fencing				
0466	0.00		\$0.00000	\$0.00
			Total for Group 0012:	\$0.00
Group 0014: Seeding & Mulching / S	Soddir	a		
0045 B-MC-ERCO	1.00	0	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSION CONTR	ROL	-	·	
0467 659E10000 SEEDING AND MULCHING	0.00	SY	\$1.00000	\$0.00
0531 660E25000	0.00	SY	\$15.00000	\$0.00
SODDING STAKED			Total for Group 0014:	¢0 00
				ψ0.00
Group 0015: Rock Channel Protection	on			
0047 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSION CONTF 0469 601E32000	ROL 0.00	CY	\$75.00000	\$0.00
ROCK CHANNEL PROTECTION, TYPE A W				
			Total for Group 0015:	\$0.00
Group 0016: Erosion Control - Item	832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
7:29:02AM	1.00			
Thursday, December 02, 2010			F	Page 4 of 12

Estimate: Alt E KY cont 3			PB A	mericas, Inc.
	Quantity	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
MAJOR COST DRIVERS, EROSION CON	TROL			
0470 832E10000 STORM WATER POLLUTION PREVENTION	1.00	LS	\$20,000.00000	\$20,000.00
	0,000.00	EACH	\$1.00000	\$10,000.00
EROSION CONTROL			Total for Group 0016: \$30,	000.00
Crown 0017: Other Freedon Control	I Conto			
Group 0017: Other Erosion Contro 0049 670E00700	0.00	ev		\$0.00
DITCH EROSION PROTECTION				
0050 B-OC-ERCO OTHER COSTS, EROSION CONTROL	1.00	LS	\$0.00000	\$0.00
0051 659E00100 SOIL ANALYSIS TEST	0.00	EACH	\$0.00000	\$0.00
0052 659E00300 TOPSOIL	0.00	CY		\$0.00
0053 659E14000 REPAIR SEEDING AND MULCHING	0.00	SY		\$0.00
0054 659E15000 INTER-SEEDING	0.00	SY	\$0.71000	\$0.00
0055 659E20000 COMMERCIAL FERTILIZER	0.00	TON		\$0.00
0056 659E31000 LIME	0.00	ACRE	\$0.00000	\$0.00
0057 659E35000 WATER	0.00	MGAL	\$5.00000	\$0.00
0058 659E40000 MOWING	0.00	MSF	\$0.00000	\$0.00
			Total for Group 0017:	\$0.00
Group 0018: Underdrains 0059 C-MC-DRNG	1.00	19	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			·	
0062 605E05100 4" SHALLOW PIPE UNDERDRAINS	0.00	FT	\$8.00000	\$0.00
			Total for Group 0018:	\$0.00
Group 0019: Culverts - Type A: < 5	5'			
0474 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	LS	\$0.00000	\$0.00
0480 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$350.00000	\$0.00
Pipe Structures - Reinforced Concrete Pipe				* •••••
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Group 0019:	\$0.00
	4.01		,	
Group 0021: Culverts, Type A: 5' -		10	¢0.0000	
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000	\$0.00
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Estimate: Alt E KY cont 3			PB A	mericas, Inc.
<u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
Pipe Structures - Reinforced Concrete 5' 0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		78" EACH	\$2,000.00000	\$0.00
			Total for Group 0021:	\$0.00
Group 0022: Culverts, Type A: 10	ר' - 20'			
0486 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$1,400.00000	\$0.00
Pipe Structures - Reinforced Concrete Pl 0488 C-MC-DRNG		EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Concrete Masonry	0.00	EACH	\$1,500.00000	φ0.00
-			Total for Group 0022:	\$0.00
Group 0024: BMP's				
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group 0024:	\$0.00
Group 0025: Closed Storm Syste	m			
Group 0025: Closed Storm Syste	1.00	IS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0489 603E13400	0.00	FT	\$75.00000	\$0.00
30" CONDUIT, TYPE B (Average size)		EACH		
0523 604E00800 CATCH BASIN, NO. 3A			\$1,500.00000	\$0.00
0524 604E31500 MANHOLE, NO. 3	0.00	EACH	\$3,000.00000	\$0.00
0525 0526 Special	0.00 0.00	LS	\$0.00000 \$6,400,000.00000	\$0.00 \$0.00
Pump Station (Storm) 0527 Special		EACH	\$5,750.00000	\$0.00
Stormceptors				
0529 Special Retention basin improvements	0.00	LS	\$109,000.00000	\$0.00
			Total for Group 0025:	\$0.00
Group 0026: Other Drainage Cos	sts			
0078 C-OC-DRNG OTHER COSTS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
OTHER COOTS, DRAINAGE			Total for Group 0026:	\$0.00
Group 0027: Mainline - Travel La	nes			
0095 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0494 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg Page and Subgrade Cor	0.00	SY	\$68.00000	\$0.00
Includes 6" Agg Base and Subgrade Cor	πρασιισπ			

Estimate: Alt E KY cont 3			PB A	mericas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
			Total for Group 0027:	¢0.00
			Total for Group 0027:	Φ0.00
Group 0028: Mainline - Outside	e Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN	1.00 T	LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement	0.00	SY	\$68.00000	\$0.00
Includes 6" Agg base and Subgrade C	Compaction			
			Total for Group 0028:	\$0.00
Group 0030: Mainline - Inside S	Shoulder			
0115 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMEN 0496 D-MC-PVMT	0.00	SY	\$68.00000	\$0.00
13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade C	Compaction			
			Total for Group 0030:	\$0.00
Group 0031: Ramps (including	shouldars			
0122 D-MC-PVMT	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMEN 0497 D-MC-PVMT			\$68.00000	\$0.00
13" Reinforced Concrete Pavement		01	400.00000	ψ0.00
Includes 6" Agg base and Subgrade C	Jompaction		Total for Group 0031:	\$0.00
Crown 0022: Non Mainling La				
Group 0032: Non - Mainline La 0132 D-MC-PVMT	nes 1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMEN	Т			
0498 D-MC-PVMT Asphalt	533.00		\$41.00000	\$21,853.00
Includes 3" 448, 9" 301, 6" Agg base a	and Subgrade (Compaction	Total for Group 0032: \$21,8	353.00
				00.00
Group 0041: Other Pavement 0				
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
			Total for Group 0041:	\$0.00
Group 0042: Water Works				
0164 E-MC-WATR	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, WATER LI 0165 E-OC-WATR	NE 0.00	LS	\$0.00000	\$0.00
OTHER COSTS, WATER LINE		-		
			Total for Group 0042:	Φ0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY	0.00 SEWER	LS	\$0.00000	\$0.00
	3= E IX			
7:29:02AM			-	

Estimate: Alt E KY cont 3 <u>Line #</u> Item Number	Quantity	<u>Units</u>	PB A <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
Description Supplemental Description				
			Total for Group 0043:	\$0.00
				ψ0.00
Group 0044: Lighting - Full Interch	<u> </u>		A 2 22222	* •••••
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	EACH	\$469,000.00000	\$0.00
			Total for Group 0044:	\$0.00
Group 0045: Lighting - Partial Inte	rchange	9		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
MAJOR COOT DRIVERO, EIGHTING			Total for Group 0045:	\$0.00
Group 0046: Lighting - Continuous	: Roady	vav		
0176 G-MC-LTNG	1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING 0500 G-MC-LTNG	840.00	FT	\$35.00000	\$29,400.00
Lighting - Continuous			Total for Group 0046: \$29,	
				+00.00
Group 0047: Other Lighting Costs				^
0177 G-OC-LTNG OTHER COSTS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0047:	\$0.00
Group 0048: Traffic Surveillance				
0178 H-OC-SURV OTHER COSTS, TRAFFIC SURVEILLAND	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFTIC SORVEILEAR			Total for Group 0048:	\$0.00
Group 0049: Signs				
0179 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CON 0501 J-MC-TRAF		MILE	\$250,000.00000	\$40,000.00
Signs			Total for Group 0049: \$40,	
			Total for Group 0049. \$40,	000.00
Group 0050: Pavement Marking			.	• -
0200 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC CON	1.00 TROL	LS	\$0.00000	\$0.00
0502 644E00100 EDGE LINE	0.18	MILE	\$3,000.00000	\$540.00
0503 644E00200 LANE LINE	0.13	MILE	\$2,000.00000	\$260.00
			Total for Group 0050: \$	800.00

Group 0051: Other Traffic Control Costs

Estimate: Alt E KY cont 3 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	Quantity	<u>Units</u>	PB / <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL	1.00	LS	\$0.00000	\$0.00
Group 0052: Signals - Intersection	าร		Total for Group 0051:	\$0.00
0212 K-MC-SGNL		EACH	\$175,000.00000	\$350,000.00
MAJOR COST DRIVERS, SIGNALS			Total for Group 0052: \$350,	000.00
Group 0053: Other Traffic Signal (0213 K-OC-SGNL	COStS 1.00	LS	\$0.00000	\$0.00
OTHER COSTS, SIGNALS	1.00	LO		
Group 0054: Landscaping			Total for Group 0053:	
0214 L-MC-LSCP MAJOR COST DRIVERS, LANDSCAPINO	1.00 G	LS	\$0.00000	\$0.00
0215 L-OC-LSCP OTHER COSTS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
Group 0055: Retaining Walls \$12 0216 M-MC-WALL MAJOR COST DRIVERS, RETAINING W	1.00		Total for Group 0054: aps, barriers and testing \$0.00000	\$ 0.00 \$0.00
0504 M-MC-WALL Retaining Walls	0.00	SF	\$135.00000	\$0.00
Group 0056: Other Retaining Wall	Costs		Total for Group 0055:	\$0.00
0217 M-OC-WALL	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, RETAINING WALLS			Total for Group 0056:	\$0.00
Group 0057: Building Demolition				
0218 N-MC-DEMO MAJOR COST DRIVERS, BUILDING DEM	1.00 MOLITION	LS	\$0.00000	\$0.00
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITIO	1.00 N	LS	\$0.00000	\$0.00
0532 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Commercial	0.00	EACH	\$30,000.00000	\$0.00
0533 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Commercial	0.00	EACH	\$15,000.00000	\$0.00
0534 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Residential	0.00	EACH	\$12,000.00000	\$0.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Residential 0536 202E98100	0.00	EACH	\$7,500.00000 \$8,500.00000	\$0.00 \$0.00
7:29:02AM				

Estimate: Alt E KY cont 3 Line # Item Number 0 Description 0 Supplemental Description	Quantity	<u>Units</u>	PB A <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
REMOVAL MISC.: <i>Radio Tower</i>				
			Total for Group 0057:	\$0.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIEF	0.00	LS	\$400.00000	\$0.00
Noise Barrier			Total for Group 0058:	\$0.00
Croup 0050: Other Naise Parrier C	ooto		·	
Group 0059: Other Noise Barrier C 0221 P-OC-NSBR	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, NOISE BARRIER 0368 P-MC-NSBR	0.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIEF		20		
			Total for Group 0059:	φ0.00
Group 0060: New Structures				
0222 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	1.00	LS	\$0.00000	\$0.00
0506 R-MC-STRC Tier 1 Structures to 25' Height	0.00	SF	\$125.00000	\$0.00
0507 R-MC-STRC Removal of Existing Structures non-complex	0.00 K	SF	\$12.00000	\$0.00
	,629.00		\$17.00000	\$299,693.00
0509 R-MC-STRC Removal of Existing Structures complex to v	0.00	SF	\$30.00000	\$0.00
),973.00		\$150.00000 \$	4,645,950.00
0516 R-MC-STRC Tier 3 Structures 50' to 75' Height	0.00	SF	\$200.00000	\$0.00
			Total for Group 0060: \$4,945,	643.00
Group 0061: Rehabilitated Structur	es			
0223 R-MC-STRC	0.00	SF	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES			Total for Group 0061:	\$0.00
Crown 0000, Other Structure Costs				·
Group 0062: Other Structure Costs 0224 R-OC-STRC	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, STRUCTURES Contingency			* 0.00000	ţ0.00
e en la ngener			Total for Group 0062:	\$0.00
Group 0063: Temporary Road and	Paven	nent Costs		
0225 S-MC-MNTC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE	OF TRAI	FFIC		
7:29:02AM				

Estimate: Alt E KY cont 3 <u>Line #</u> <u>Item Number</u> <u>Quantity</u> <u>Units</u> <u>Description</u>	PB A <u>Unit Price</u>	mericas, Inc. <u>Extension</u>
Supplemental Description		
	Total for Group 0063:	\$0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0064:	\$0.00
		ψ0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0066:	\$0.00
Group 0067: Tomporany Signals		
Group 0067: Temporary Signals 0230 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC		
	Total for Group 0067:	φ0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs 0233 S-OC-MNTC 1.00 LS	\$0.00000	\$0.00
OTHER COSTS, MAINTENANCE OF TRAFFIC	·	
0512 S-OC-MNTC 0.16 MILE OTHER COSTS, MAINTENANCE OF TRAFFIC	\$500,000.00000	\$80,000.00
	Total for Group 0070: \$80,0	00.00
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt E KY cont 3				PB Americas, Inc.
Line # <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELL	0.00 ANEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOUS	0.00		\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILROA LIABILITY INSURANCE	0.00		\$10,000.00000 LIC LIABILITY AND PROPERT	\$0.00 \$0.00
0238 623E10000 CONSTRUCTION LAYOUT STAKES 0.5%	1.00 S	LS	\$29,162.98000	\$29,162.98
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$116,651.93000	\$116,651.93
0240 619E16020 FIELD OFFICE, TYPE C	19.00	MNTH	\$2,500.00000	\$47,500.00
0242 624E10000 MOBILIZATION	1.00	LS	\$200,000.00000	\$200,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERF 0.5%	1.00 ORMANCE BON		\$29,162.98000 FOR PAYMENT BOND	\$29,162.98
0518	0.00		\$0.00000	\$0.00
0519	0.00		\$0.00000	\$0.00
0520	0.00		\$0.00000	\$0.00
0521	0.00		\$0.00000	\$0.00
			Total for Group	o 0072: \$422,477.89
Group 0073: Design Continge	ncy Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTING	1.00 SENCY COSTS	LS	\$0.00000	\$0.00
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY C 25%	1.00	LS	\$1,563,768.60000	\$1,563,768.60
			Total for Group (0073: \$1,563,768.60
Group 0074: Inflation Conting	ency			
0266 V-OC-CNTG OTHER COSTS, CONTINGENCY C	0.00 OSTS	LS	\$0.00000	\$0.00
	0010		Total fo	r Group 0074: \$0.00

Estimate Alt E KY cont 5

Estimated Cost: \$71,530,905.30 Contingency: 57.60% Estimated Total: \$112,732,706.75

Base Date: 01/01/15 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt E KY cont 5				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Group 0001: Pavement Remova	al			
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	212,051.00	SY	\$8.00000	\$1,696,408.00
			Total for Group 0001:	\$1,696,408.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	146,868.00	CY	\$30.00000	\$4,406,040.00
			Total for Group 0002:	\$4,406,040.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0344 203E10000 EXCAVATION	342,692.00	CY	\$8.00000	\$2,741,536.00
			Total for Group 0003:	\$2,741,536.00
Group 0004: Excavation - Haza	rdous			
0006 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Grou	ıp 0004: \$0.00
Group 0005: Fill - Embankment	(includes	wasting	excess excavation)	
0007 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0345 203E20000	489,560.00	CY	\$6.00000	\$2,937,360.00
EMBANKMENT			Total for Group 0005:	\$2,937,360.00
Group 0006: Fill - Lime Modified				
0010 A-MC-RDWY		LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0346 205E10050	0.00	CY	\$7.00000	\$0.00
LIME STABILIZED EMBANKMENT 0347 205E10300	0.00	TON	\$5.00000	\$0.00
LIME			Total for Grou	ıp 0006: \$0.00
Group 0007: Fill - Borrow	0.00	CY	\$8.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY	0.00	01		
				ıp 0007: \$0.00
Group 0008: Concrete Barrier			* *****	
0012 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00		\$0.00000	\$0.00
0465 622E10060 7:31:24AM	20,800.00	FT	\$110.00000	\$2,288,000.00
Thursday, December 02, 2010				Page 2 of 12

Estimate: Alt E KY cont 5				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE,	TYPE B			
			Total for Group 0008: \$2	,288,000.00
Group 0009: Subgrade Treatment	t - Lime			
0014 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0348 206E10000	0.00	SY	\$1.85000	\$0.00
LIME STABILIZED SUBGRADE 0349 206E10300	0.00	TON	\$10.00000	\$0.00
LIME 0350 206E11000	0.00	SY	\$1.00000	\$0.00
CURING COAT 0351 206E20000	0.00	HOUR	\$4.00000	\$0.00
TEST ROLLING			Total for Group (0009 [.] \$0.00
Group 0010: Subgrade Treatment			\$ 2,50000	
0016 A-MC-RDWY 2 MAJOR COST DRIVERS, ROADWAY	98,491.00	SY	\$2.50000	\$746,227.50
			Total for Group 0010:	5746,227.50
Group 0011: Subgrade Treatment	t - Unde	rcut &	Backfill	
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
			Total for Group (0011: \$0.00
Group 0012: Other Roadway Cos	ts			
0019 A-OC-RDWY	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, ROADWAY Contingency				
0020 201E11000 CLEARING AND GRUBBING	0.00	LS	\$856,500.00000	\$0.00
0021 201E21800 TREE REMOVED, 18" SIZE	0.00	EACH	\$250.00000	\$0.00
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000	0.00	LS	\$9,310.13000	\$0.00
STRUCTURE REMOVED 0028 202E35200	0.00	FT		\$0.00
PIPE REMOVED, OVER 24" 0029 202E38000	0.00	FT		\$0.00
GUARDRAIL REMOVED 0030 202E42206	0.00	EACH		\$0.00
ANCHOR ASSEMBLY REMOVED 0031 202E58000	0.00	EACH		\$0.00
MANHOLE REMOVED 0032 202E58100	0.00	EACH		\$0.00
CATCH BASIN REMOVED 0033 202E75000	0.00	FT		\$0.00
FENCE REMOVED			\$400 F0000	
0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

Estimate: Alt E KY cont 5				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
PROOF ROLLING				
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF JO	0.00 INT, TYPE A	FT		\$0.00
0037 606E13000 GUARDRAIL, TYPE 5	5,300.00	FT	\$14.00000	\$74,200.00
0038 606E22000 ANCHOR ASSEMBLY, TYPE B-98	0.00	EACH		\$0.00
0039 606E22010 ANCHOR ASSEMBLY, TYPE E-98	0.00	EACH		\$0.00
0040 606E26500	0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE T 0041 606E35000	0.00	EACH		\$0.00
BRIDGE TERMINAL ASSEMBLY, T 0042 606E35100	0.00	EACH		\$0.00
BRIDGE TERMINAL ASSEMBLY, T 0043 606E60010	0.00	EACH		\$0.00
IMPACT ATTENUATOR, TYPE 1-98 0044 607E15000	3 (BIDIRECTION 0.00	,		\$0.00
FENCE, TYPE 47 For Fencing				
0423 304E20000 AGGREGATE BASE	0.00	CY		\$0.00
For Fencing 0424 601E32100 ROCK CHANNEL PROTECTION, T	0.00 YPE B WITH FIL			\$0.00
For Fencing 0425 607E40500	0.00	EACH		\$0.00
GATE, TYPE 47 For Fencing				
0426 625E32000 GROUND ROD	0.00	EACH		\$0.00
For Fencing	0.00		\$0.00000	\$0.00
0466	0.00		Total for Group 0012:	•
				÷)
Group 0014: Seeding & Mulch	•	•		• ••••
0045 B-MC-ERCO MAJOR COST DRIVERS, EROSIOI	1.00 N CONTROL	LS	\$0.00000	\$0.00
0467 659E10000 SEEDING AND MULCHING	133,774.00	SY	\$1.00000	\$133,774.00
0531 660E25000 SODDING STAKED	0.00	SY	\$15.00000	\$0.00
			Total for Group 0014:	\$133,774.00
Group 0015: Rock Channel P	rotection			
0047 B-MC-ERCO MAJOR COST DRIVERS, EROSIOI		LS	\$0.00000	\$0.00
0469 601E32000 ROCK CHANNEL PROTECTION, T	192.00	CY	\$75.00000	\$14,400.00
ROOK OF ANNULL FROTECTION, T	· · ∟ ⊼ ₩1111 ĔIL	. 1 L 1 X	Total for Group 0015:	\$14,400.00
Group 0016: Erosion Control	- Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
7:31:24AM				

Estimate: Alt E KY cont 5	0	lles it a		PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	Units	<u>Unit Price</u>	<u>Extension</u>
MAJOR COST DRIVERS, EROSION CO				
0470 832E10000 STORM WATER POLLUTION PREVEN	1.00 TION PLAN	LS	\$50,000.00000	\$50,000.00
	300,000.00	EACH	\$1.00000	\$300,000.00
			Total for Group 0016:	\$350,000.00
Group 0017: Other Erosion Cont	rol Costs			
0049 670E00700	0.00	SY		\$0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, EROSION CONTROL				
0051 659E00100 SOIL ANALYSIS TEST	0.00	EACH	\$0.00000	\$0.00
0052 659E00300 TOPSOIL	0.00	CY		\$0.00
0053 659E14000 REPAIR SEEDING AND MULCHING	0.00	SY		\$0.00
0054 659E15000	0.00	SY	\$0.71000	\$0.00
INTER-SEEDING 0055 659E20000	0.00	TON		\$0.00
COMMERCIAL FERTILIZER 0056 659E31000	0.00	ACRE	\$0.00000	\$0.00
LIME 0057 659E35000	0.00	MGAL	\$5.00000	\$0.00
WATER 0058 659E40000	0.00	MSF	\$0.00000	\$0.00
MOWING	0.00	MOL		
			Total for Group	0017: \$0.00
Group 0018: Underdrains				
0059 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0062 605E05100	29,635.00	FT	\$8.00000	\$237,080.00
4" SHALLOW PIPE UNDERDRAINS			Total for Group 0018:	\$237,080.00
Oreun 0010: Outreste Ture A			·	. ,
Group 0019: Culverts - Type A: < 0474 C-MC-DRNG	5 0.00	10	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			·	
0480 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	86.00	FT	\$350.00000	\$30,100.00
Pipe Structures - Reinforced Concrete P 0481 C-MC-DRNG		EACH	\$1,500.00000	\$3,000.00
MAJOR COST DRIVERS, DRAINAGE	2.00	2/(011	\$1,000.0000	\$0,000.00
Concrete Masonry			Total for Group 0019:	\$33,100.00
Croup 0021; Culverte Type A: E	10'			
Group 0021: Culverts, Type A: 5 0067 C-MC-DRNG	- 10 ⁻ 1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE				
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	36.00	FT	\$550.00000	\$19,800.00
7:31:24AM				
Thursday, December 02, 2010				Page 5 of 12

Estimate: Alt E KY cont 5				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
Pipe Structures - Reinforced Concrete 5 0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		78" EACH	\$2,000.00000	\$2,000.00
			Total for Group 002	1: \$21,800.00
Croup 0022: Culverte Type A: 1	0' 20'			
Group 0022: Culverts, Type A: 1 0486 C-MC-DRNG	1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			·	
0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$1,400.00000	\$0.00
Pipe Structures - Reinforced Concrete F 0488 C-MC-DRNG	Pipe 10'-20' 0.00	EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE	0.00	ERON	φ1,000.00000	φ0.00
Concrete Masonry			Total for Grou	p 0022: \$0.00
				p 0022. \$0.00
Group 0024: BMP's				
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Grou	p 0024: \$0.00
Crever 0025: Classed Storm Such				
Group 0025: Closed Storm Syste			¢0,0000	¢0.00
0077 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0489 603E13400 30" CONDUIT, TYPE B (Average size)	11,994.00	FT	\$75.00000	\$899,550.00
0523 604E00800	84.00	EACH	\$1,500.00000	\$126,000.00
CATCH BASIN, NO. 3A 0524 604E31500	20.00	EACH	\$3,000.00000	\$60,000.00
MANHOLE, NO. 3 0525 604E36601	13.00	EACH	\$1,250.00000	\$16,250.00
PRECAST REINFORCED CONCRETE	OUTLET, AS	PER PLAN		
0526 Special Pump Station (Storm)	0.00		\$6,400,000.00000	\$0.00
0527 Special Stormceptors	0.00	EACH	\$5,750.00000	\$0.00
0529 Special	0.00	LS	\$109,000.00000	\$0.00
Retention basin improvements			Total for Group 0025:	\$1.101.800.00
				· ,· - · , · · · · · · · · · · · · · · · · · ·
Group 0026: Other Drainage Co				
0078 C-OC-DRNG OTHER COSTS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Grou	p 0026: \$0.00
Croup 0027: Mainling Trought	2222			
Group 0027: Mainline - Travel La	anes 1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT				
0494 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Co	171,479.00 mpaction	SY	\$68.00000	\$11,660,572.00
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Estimate: Alt E KY cont 5 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	Unit Price	PB Americas, Inc. <u>Extension</u>
			Total for Group 0027:	\$11,660,572.00
Group 0028: Mainline - Outside	Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement	38,883.00	SY	\$68.00000	\$2,644,044.00
Includes 6" Agg base and Subgrade Co	прасион		Total for Group 0028:	\$2,644,044.00
Group 0030: Mainline - Inside Sł	noulder			
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement	38,377.00	SY	\$68.00000	\$2,609,636.00
Includes 6" Agg base and Subgrade Co	прасиоп		Total for Group 0030:	\$2,609,636.00
Group 0031: Non - Mainline Lan	es			
0532 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0533 D-MC-PVMT Asphalt	3,441.00	SY	\$41.00000	\$141,081.00
Includes 3" 448, 9" 301, 6" Agg base an	d Subgrade (Compaction	Total for Group 0031	1: \$141,081.00
Group 0036: Ramps (including s	houlders))		
0122 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0497 D-MC-PVMT 13" Reinforced Concrete Pavement	46,310.00	SY	\$68.00000	\$3,149,080.00
Includes 6" Agg base and Subgrade Co	mpaction		Total for Group 0036:	\$3,149,080.00
Group 0041: Other Pavement Co	osts			
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
			Total for Grou	up 0041: \$0.00
Group 0042: Water Works				
0164 E-MC-WATR MAJOR COST DRIVERS, WATER LINE	0.00	LS	\$0.00000	\$0.00
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Grou	up 0042: \$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY S	0.00 EWER	LS	\$0.00000	\$0.00
7:31:24AM				

Estimate: Alt E KY cont 5			PB	Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
			Total for Group 0043	\$0.00
Oracus 0044: Lighting - Full late			· ·	
Group 0044: Lighting - Full Inte 0173 G-MC-LTNG		18	00000 02	00.00
MAJOR COST DRIVERS, LIGHTING			\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	2.00	EACH	\$469,000.00000	\$938,000.00
			Total for Group 0044: \$938	,000.00
Group 0045: Lighting - Partial I	Interchange	9		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0045	\$0.00
Group 0046: Lighting - Continu	ious Roady			
0176 G-MC-LTNG	1.00 1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING 0500 G-MC-LTNG	13,415.00	FT	\$35.00000	\$469,525.00
Lighting - Continuous	,			
			Total for Group 0046: \$469	,525.00
Group 0047: Other Lighting Co	osts			
0177 G-OC-LTNG OTHER COSTS, LIGHTING	0.00	LS	\$0.00000	\$0.00
,			Total for Group 0047	\$0.00
Group 0048: Traffic Surveilland	<u>ce</u>			
0178 H-OC-SURV	1.00	LS	\$537,486.54000	\$537,486.54
OTHER COSTS, TRAFFIC SURVEIL	LANCE		Total for Group 0048: \$537	486.54
				,
Group 0049: Signs	4.00		* 2 2222	A 0.00
0179 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC (\$0.00000	\$0.00
0501 J-MC-TRAF Signs	2.54	MILE	\$250,000.00000	\$635,000.00
			Total for Group 0049: \$635	,000.00
Group 0050: Pavement Markin	g			
0200 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC (0502 644E00100	18.30	MILE	\$3,000.00000	\$54,900.00
EDGE LINE 0503 644E00200	17.93	MILE	\$2,000.00000	\$35,860.00
LANE LINE			Total for Group 0050: \$90	,760.00

Group 0051: Other Traffic Control Costs

0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL 1.00 LS \$0.00000 \$0.00 Group 0052: Signals - Intersections 0212 K-MC-SONL 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, SIGNALS 1.00 LS \$0.00000 \$0.00 Group 0053: Other Traffic Signal Costs 0213 K-Oc-SCNL 1.00 LS \$0.00000 \$0.00 OTHER COSTS, SIGNALS 1.00 LS \$0.00000 \$0.00 \$0.00 OTHER COSTS, SIGNALS 1.00 LS \$0.00000 \$0.00 \$0.00 Group 0054: Landscaping 1.00 LS \$0.00000 \$0.00 0215 L-OC-LSCP 1.00 LS \$0.00000 \$0.00 OTHER COSTS, ILANDSCAPING 1.00 LS \$0.00000054: \$0.00 OTHER COSTS, REtaining Walls \$125 + \$10/ft for caps, barriers and testing \$0.00 \$0.00 MALOR COST DRIVERS, RETAINING WALLS \$0.00000 \$0.00 Total for Group 0055: \$1,197,450.00 Group 0056: Other Retaining Wall Costs	Estimate: Alt E KY cont 5 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	PB A <u>Unit Price</u>	mericas, Inc. <u>Extension</u>
Total for Group 0051: \$0.00 Group 0052: Signals - Intersections 0212 K-MC-SGNL 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, SIGNALS 0213 K-OC-SGNL 1.00 LS \$0.000000 \$0.00 0213 K-OC-SGNL 1.00 LS \$0.00000 \$0.00 0213 K-OC-SGNL 1.00 LS \$0.00000 \$0.00 0214 L-MC-LSCP 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, LANDSCAPING 1.00 LS \$0.00000 \$0.00 0214 L-MC-LSCP 1.00 LS \$0.00000 \$0.00 0214 L-MC-LSCP 1.00 LS \$0.00000 \$0.00 0715 L-OCLSCP 1.00 LS \$0.00000 \$0.00 0716 Group 0055: Retaining Walls \$125 + \$10/ft for caps, barriers and testing \$0.00 \$0.00 0216 M-MC-WALL \$.870.00 \$1.197,450.00 \$0.00 \$0.00 0504 <td></td> <td>1.00</td> <td>LS</td> <td>\$0.00000</td> <td>\$0.00</td>		1.00	LS	\$0.00000	\$0.00
0212 K-MC-SGNL 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, SIGNALS Total for Group 0052: \$0.00 Group 0053: Other Traffic Signal Costs 0213 K-OC-SGNL 1.00 LS \$0.00000 \$0.00 OTHER COSTS, SIGNALS 1.00 LS \$0.00000 \$0.00 \$0.00 Group 0054: Landscaping 1.00 LS \$0.00000 \$0.00 0214 L-MC-LSCP 1.00 LS \$0.00000 \$0.00 0215 L-OC-LSCP 1.00 LS \$0.00000 \$0.00 0215 L-OC-LSCP 1.00 LS \$0.00000 \$0.00 0215 L-OC-LSCP 1.00 LS \$0.00000 \$0.00 0216 M-MC-WALL 1.00 LS \$0.00000 \$0.00 0216 M-MC-WALL 1.00 LS \$0.00000 \$0.00 0217 M-OC-WALL 8.870.00 SF \$135.0000 \$0.00 0217 M-OC-WALL 8.870.00 \$0.000 </td <td></td> <td></td> <td></td> <td>Total for Group 0051:</td> <td>\$0.00</td>				Total for Group 0051:	\$0.00
Total for Group 0052: \$0.00 Group 0053: Other Traffic Signal Costs Other Costs, Signals Other Costs, Signals Other Costs, Signals Total for Group 0053: \$0.00 Group 0054: Landscaping Other Costs Ruvers, Ruvers, Balans			LS	\$0.00000	\$0.00
Group 0053: Other Traffic Signal Costs 0213 K-OC-SGNL OTHER COSTS, SIGNALS 1.00 LS \$0.00000 \$0.00 OTHER COSTS, SIGNALS Total for Group 0053: \$0.00 Group 0054: Landscaping 0214 L-MC-LSCP 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, LANDSCAPING OTHER COSTS, LANDSCAPING 1.00 LS \$0.00000 \$0.00 OTHER COSTS, LANDSCAPING 1.00 LS \$0.0000 \$0.00 OTACL SCP 1.00 LS \$0.0000 \$0.00 OTHER COSTS, LANDSCAPING 1.00 LS \$0.0000 \$0.00 OTAGE for Group 0055: Retaining Walls \$125 + \$10/ft for caps, barriers and testing OTAGE for Group 0055: Retaining Walls OTAGE for Group 0055: \$1,197,450.00 Retaining Walls \$1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WA	MAJOR COST DRIVERS, SIGNALS			Total for Group 0052:	\$0.00
0213 K-OC-SGNL OTHER COSTS, SIGNALS 1.00 LS \$0.00000 \$0.00 Total for Group 0053: \$0.00 Group 0054: Landscaping 0214 L-MC-LSCP 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, LANDSCAPING 1.00 LS \$0.00000 \$0.00 0215 L-OC-LSCP 1.00 LS \$0.00000 \$0.00 OTHER COSTS, LANDSCAPING 1.00 LS \$0.00000 \$0.00 OTHER COSTS, LANDSCAPING 1.00 LS \$0.00000 \$0.00 Group 0055: Retaining Walls \$125 + \$10/ft for caps, barriers and testing \$0.00 \$0.00 MAJOR COST DRIVERS, RETAINING WALLS 1.00 LS \$0.00000 \$1,197,450.00 Retaining Walls 8,870.00 SF \$135.00000 \$0.00 Group 0056: Other Retaining Wall Costs 0217 M-OC-WALL 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 \$0.00 Group 0057: Building Demolition 0218 N-MC-DEMO	Group 0053: Other Traffic Signal	Costs			
Total for Group 0053: \$0.00 Group 0054: Landscaping 0214 L-MC-LSCP 1.00 LS \$0.00000 \$0.00 0215 L-OC-LSCP 1.00 LS \$0.00000 \$0.00 0215 L-OC-LSCP 1.00 LS \$0.00000 \$0.00 OTHER COSTS, LANDSCAPING Total for Group 0054: \$0.00 \$0.00 Group 0055: Retaining Walls \$125 + \$10/ft for caps, barriers and testing \$0.00 \$0.00 0216 M-MC-WALL 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, RETAINING WALLS 0534 M-MC-WALL \$8,000 \$1,197,450.00 Group 0056: Other Retaining Wall Costs 0217 M-OC-WALL 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 OTHER COSTS, BUILDING DEMOLITION	0213 K-OC-SGNL		LS	\$0.00000	\$0.00
0214 L-MC-LSCP 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, LANDSCAPING 1.00 LS \$0.00000 \$0.00 0216 LOC-LSCP 1.00 LS \$0.00000 \$0.00 Group 0055: Retaining Walls \$125 + \$10/ft for caps, barriers and testing 0216 M-MC-WALL \$0.00000 \$0.00 MAJOR COST DRIVERS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 0504 M-MC-WALL 8,870.00 SF \$135.00000 \$1,197,450.00 Group 0056: Other Retaining Wall Costs 0217 M-OC-WALL 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 OTHER COSTS, BUILDING DEMOLITION 1.00 LS \$0.00000000000 \$0.00 <td< td=""><td>OTHER COSTS, SIGNALS</td><td></td><td></td><td>Total for Group 0053:</td><td>\$0.00</td></td<>	OTHER COSTS, SIGNALS			Total for Group 0053:	\$0.00
0214 L-MC-LSCP 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, LANDSCAPING 1.00 LS \$0.00000 \$0.00 0216 LOC-LSCP 1.00 LS \$0.00000 \$0.00 Group 0055: Retaining Walls \$125 + \$10/ft for caps, barriers and testing 0216 M-MC-WALL \$0.00 \$0.00 MAJOR COST DRIVERS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, RETAINING WALLS 0.00 \$0.00 \$0.00 0216 M-MC-WALL 8.870.00 \$F \$135.00000 \$1,197,450.00 Group 0056: Other Retaining Wall Costs 0217 M-OC-WALL 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 OTHER COSTS, BUILDING DEMOLITION 1.00 LS \$0.00000 \$0.00 0218 N-	Group 0054: Landscaping				
0215 L-OC-LSCP 1.00 LS \$0.00000 \$0.00 OTHER COSTS, LANDSCAPING Total for Group 0054: \$0.00 Group 0055: Retaining Walls \$125 + \$10/ft for caps, barriers and testing 0216 M-MC-WALL 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 0504 M-MC-WALL 8,870.00 SF \$135.00000 \$1,197,450.00 Retaining Walls 8,870.00 SF \$135.00000 \$1,197,450.00 Group 0056: Other Retaining Wall Costs 0217 M-OC-WALL 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 \$0.00 Group 0056: Other Retaining Wall Costs 0217 M-OC-WALL 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 \$0.00 0218 N-MC-DEMO<	0214 L-MC-LSCP		LS	\$0.00000	\$0.00
Total for Group 0054: \$0.00 Group 0055: Retaining Walls \$125 + \$10/ft for caps, barriers and testing 0216 M-MC-WALL 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, RETAINING WALLS 50 \$135.00000 \$1,197,450.00 0504 M-MC-WALL 8,870.00 \$F \$135.00000 \$1,197,450.00 Retaining Walls Total for Group 0055: \$1,197,450.00 Group 0056: Other Retaining Wall Costs 0217 M-OC-WALL 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, BUILDING DEMOLITION MAJOR COST DRIVERS, BUILDING DEMOLITION \$0.00000 \$0.00 0218 N-MC-DEMO 1.00 LS \$0.00000 \$0.00 0534 202E56101 3.00 EACH \$7,500.00000 \$22,500.00	0215 L-OC-LSCP		LS	\$0.00000	\$0.00
0216 M-MC-WALL 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, RETAINING WALLS 0504 M-MC-WALL 8,870.00 SF \$135.00000 \$1,197,450.00 Retaining Walls Total for Group 0055: \$1,197,450.00 Group 0056: Other Retaining Wall Costs 0217 M-OC-WALL 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 O218 N-MC-DEMO 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, BUILDING DEMOLITION 1.00 LS \$0.00000 \$0.00 0534 202256101 3.00 EACH \$7,500.00000 \$22,500.00 BUILDING DEMO	OTHER COSTS, LANDSCAFING			Total for Group 0054:	\$0.00
0216 M-MC-WALL 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, RETAINING WALLS 0504 M-MC-WALL 8,870.00 SF \$135.00000 \$1,197,450.00 Retaining Walls Total for Group 0055: \$1,197,450.00 Group 0056: Other Retaining Wall Costs 0217 M-OC-WALL 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 O218 N-MC-DEMO 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, BUILDING DEMOLITION 1.00 LS \$0.00000 \$0.00 0534 202256101 3.00 EACH \$7,500.00000 \$22,500.00 BUILDING DEMO	Group 0055: Retaining Walls \$12	5 + \$10/	ft for car	os, barriers and testing	
0504 M-MC-WALL Retaining Walls 8,870.00 SF \$135.00000 \$1,197,450.00 Total for Group 0055: \$1,197,450.00 Group 0056: Other Retaining Wall Costs 0217 M-OC-WALL 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS 1.00 LS \$0.00000 \$0.00 Group 0057: Building Demolition O218 N-MC-DEMO 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, BUILDING DEMOLITION 0218 N-MC-DEMO 1.00 LS \$0.000000 \$0.00 0219 N-OC-DEMO 1.00 LS \$0.000000 \$0.00 0THER COSTS, BUILDING DEMOLITION 3.00 EACH \$7,500.00000 \$22,500.00 BUILDING DEMOLISHED, AS PER PLAN Small Residential 2.00 EACH \$12,000.00000 \$24,000.00 BUILDING DEMOLISHED, AS PER PLAN 2.00 EACH \$12,000.00000 \$24,000.00	0216 M-MC-WALL	1.00	•		\$0.00
Total for Group 0055: \$1,197,450.00 Group 0056: Other Retaining Wall Costs 0217 M-OC-WALL 1.00 LS \$0.00000 \$0.00 OTHER COSTS, RETAINING WALLS Total for Group 0056: \$0.00 \$0.00 \$0.00 Group 0057: Building Demolition Total for Group 0056: \$0.00 \$0.00 MAJOR COST DRIVERS, BUILDING DEMOLITION \$0.00000 \$0.00 0218 N-MC-DEMO 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, BUILDING DEMOLITION 1.00 LS \$0.00000 \$0.00 0219 N-OC-DEMO 1.00 LS \$0.00000 \$0.00 0534 202E56101 3.00 EACH \$7,500.00000 \$22,500.00 BUILDING DEMOLISHED, AS PER PLAN 2.00 EACH \$12,000.00000 \$24,000.00 BUILDING DEMOLISHED, AS PER PLAN 2.00 EACH \$12,000.00000 \$24,000.00 BUILDING DEMOLISHED, AS PER PLAN 2.00 EACH \$12,000.00000 \$24,000.00	0504 M-MC-WALL		SF	\$135.00000 \$	1,197,450.00
0217M-OC-WALL OTHER COSTS, RETAINING WALLS1.00LS\$0.00000\$0.00Total for Group 0056: \$0.00Group 0057: Building Demolition0218N-MC-DEMO MAJOR COST DRIVERS, BUILDING DEMOLITION1.00LS\$0.00000\$0.000219N-OC-DEMO OTHER COSTS, BUILDING DEMOLITION1.00LS\$0.00000\$0.000534202E56101 Small Residential3.00EACH\$7,500.00000\$22,500.000535202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Residential2.00EACH\$12,000.00000\$24,000.00				Total for Group 0055: \$1,197,4	450.00
0217M-OC-WALL OTHER COSTS, RETAINING WALLS1.00LS\$0.00000\$0.00Total for Group 0056: \$0.00Group 0057: Building Demolition0218N-MC-DEMO MAJOR COST DRIVERS, BUILDING DEMOLITION1.00LS\$0.00000\$0.000219N-OC-DEMO OTHER COSTS, BUILDING DEMOLITION1.00LS\$0.00000\$0.000534202E56101 Small Residential3.00EACH\$7,500.00000\$22,500.000535202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Residential2.00EACH\$12,000.00000\$24,000.00	Group 0056: Other Retaining Wal	l Costs			
Total for Group 0056: \$0.00Group 0057: Building Demolition0218N-MC-DEMO1.00LS\$0.000000\$0.00MAJOR COST DRIVERS, BUILDING DEMOLITION1.00LS\$0.000000\$0.000219N-OC-DEMO1.00LS\$0.000000\$0.00OTHER COSTS, BUILDING DEMOLITION3.00EACH\$7,500.00000\$22,500.00BUILDING DEMOLISHED, AS PER PLAN Small Residential2.00EACH\$12,000.00000\$24,000.00BUILDING DEMOLISHED, AS PER PLAN Large Residential2.00EACH\$12,000.00000\$24,000.00	0217 M-OC-WALL		LS	\$0.00000	\$0.00
0218N-MC-DEMO1.00LS\$0.00000\$0.00MAJOR COST DRIVERS, BUILDING DEMOLITION1.00LS\$0.00000\$0.000219N-OC-DEMO1.00LS\$0.00000\$0.00OTHER COSTS, BUILDING DEMOLITION3.00EACH\$7,500.00000\$22,500.000534202E561013.00EACH\$7,500.00000\$22,500.00BUILDING DEMOLISHED, AS PER PLAN Small Residential2.00EACH\$12,000.00000\$24,000.00BUILDING DEMOLISHED, AS PER PLAN Large Residential2.00EACH\$12,000.00000\$24,000.00	OTHER COOTS, RETAINING WALLS			Total for Group 0056:	\$0.00
0218N-MC-DEMO1.00LS\$0.00000\$0.00MAJOR COST DRIVERS, BUILDING DEMOLITION1.00LS\$0.00000\$0.000219N-OC-DEMO1.00LS\$0.00000\$0.00OTHER COSTS, BUILDING DEMOLITION3.00EACH\$7,500.00000\$22,500.000534202E561013.00EACH\$7,500.00000\$22,500.00BUILDING DEMOLISHED, AS PER PLAN Small Residential2.00EACH\$12,000.00000\$24,000.00BUILDING DEMOLISHED, AS PER PLAN Large Residential2.00EACH\$12,000.00000\$24,000.00	Group 0057: Building Demolition				
0219 N-OC-DEMO 1.00 LS \$0.00000 \$0.00 OTHER COSTS, BUILDING DEMOLITION 3.00 EACH \$7,500.00000 \$22,500.00 0534 202E56101 3.00 EACH \$7,500.00000 \$22,500.00 BUILDING DEMOLISHED, AS PER PLAN Small Residential 2.00 EACH \$12,000.00000 \$24,000.00 BUILDING DEMOLISHED, AS PER PLAN Large Residential \$12,000.00000 \$24,000.00	0218 N-MC-DEMO		LS	\$0.00000	\$0.00
0534 202E56101 3.00 EACH \$7,500.00000 \$22,500.00 BUILDING DEMOLISHED, AS PER PLAN Small Residential 200 EACH \$12,000.00000 \$24,000.00 0535 202E56101 2.00 EACH \$12,000.00000 \$24,000.00 BUILDING DEMOLISHED, AS PER PLAN Large Residential 500 \$12,000.00000 \$24,000.00	0219 N-OC-DEMO	1.00	LS	\$0.00000	\$0.00
Small Residential0535202E561012.00EACH\$12,000.00000\$24,000.00BUILDING DEMOLISHED, AS PER PLAN Large ResidentialLarge Residential\$12,000.00000\$24,000.00	0534 202E56101	3.00	EACH	\$7,500.00000	\$22,500.00
BUILDING DEMOLISHED, AS PER PLAN Large Residential	Small Residential		FACH	\$12,000,00000	\$24 000 00
	BUILDING DEMOLISHED, AS PER PLAN		2,011	\$ 12,000100000	φ_ 1,000100
BUILDING DEMOLISHED, AS PER PLAN Small Commercial	0536 202E56101 BUILDING DEMOLISHED, AS PER PLAN	0.00 N	EACH	\$15,000.00000	\$0.00
0537 202E56101 1.00 EACH \$30,000.00000 \$30,000.00 BUILDING DEMOLISHED, AS PER PLAN <i>Large Commercial</i>	BUILDING DEMOLISHED, AS PER PLAN		EACH	\$30,000.00000	\$30,000.00
0538 202E98100 0.00 EACH \$8,500.00000 \$0.00 7:31:24AM		0.00	EACH	\$8,500.00000	\$0.00

Estimate: Alt E KY cont 5 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	PI <u>Unit Price</u>	3 Americas, Inc. <u>Extension</u>
REMOVAL MISC.: Radio Tower				
			Total for Group 0057: \$7	6,500.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR	1.00	LS	\$0.00000	\$0.00
	R 58,304.00	SF	\$25.00000	\$1,457,600.00
Noise Barrier			Total for Group 0058: \$1,45	7.600.00
One we are the set of			· · · · · · · · · · · · · · · · · · ·	- ,
Group 0059: Other Noise Barrier C 0221 P-OC-NSBR	JOSIS	15	\$0.00000	\$0.00
OTHER COSTS, NOISE BARRIER 0368 P-MC-NSBR	0.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIE		LU		
			Total for Group 005	9: \$0.00
Group 0060: New Structures				
0222 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	1.00	LS	\$0.00000	\$0.00
	7,961.00	SF	\$125.00000	\$9,745,125.00
0507 R-MC-STRC Removal of Existing Structures non-comple	0.00	SF	\$12.00000	\$0.00
	51,915.00		\$17.00000	\$882,555.00
0509 R-MC-STRC	0.00	SF	\$30.00000	\$0.00
Removal of Existing Structures complex to 0513 R-MC-STRC Tier 2 Structures 25' to 50' Height	0.00		\$150.00000	\$0.00
0516 R-MC-STRC Tier 3 Structures 50' to 75' Height	0.00	SF	\$200.00000	\$0.00
The 5 Otractures 50 to 75 Theight			Total for Group 0060: \$10,62	7,680.00
Group 0061: Rehabilitated Structu	res			
0223 R-MC-STRC	0.00	SF	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES			Total for Group 006	1: \$0.00
				T
Group 0062: Other Structure Costs 0224 R-OC-STRC	S 0.00	15	\$0.00000	\$0.00
OTHER COSTS, STRUCTURES	0.00	LO	ψ0.00000	ψ0.00
Contingency			Total for Group 006	2: \$0.00
Group 0063: Temporary Road and	l Paven	nent Cost	5	
0225 S-MC-MNTC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE	OF TRAF	FIC		
7:31:24AM				

Estimate: Alt E KY cont 5 Line # Item Number Quantity Units Description Supplemental Description Supplemental Description	PB A <u>Unit Price</u>	mericas, Inc. <u>Extension</u>
	Total for Group 0063:	\$0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0064:	\$0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0066:	\$0.00
Group 0067: Temporary Signals		
0230 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS OTHER COSTS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
0512 S-OC-MNTC 2.54 MILE OTHER COSTS, MAINTENANCE OF TRAFFIC	\$500,000.00000 \$	1,270,000.00
	Total for Group 0070: \$1,270,0	00.00
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

stimate: Alt E KY cont 5				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELL/	0.00 NEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOUS	0.00 COSTS	LS	\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILROA LIABILITY INSURANCE	0.00		\$10,000.00000 IC LIABILITY AND PROPERTY DAM	\$0.00 MAGE
0238 623E10000 CONSTRUCTION LAYOUT STAKES 0.5%	1.00	LS	\$271,430.70000	\$271,430.70
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$1,085,722.80000	\$1,085,722.80
0240 619E16020 FIELD OFFICE, TYPE C	44.00	MNTH	\$2,500.00000	\$110,000.00
0242 624E10000 MOBILIZATION	1.00	LS	\$1,200,000.00000	\$1,200,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERFO		LS D AND F	\$271,430.70000 OR PAYMENT BOND	\$271,430.70
0518	0.00		\$0.00000	\$0.00
0519	0.00		\$0.00000	\$0.00
0520	0.00		\$0.00000	\$0.00
0521	0.00		\$0.00000	\$0.00
			Total for Group 0072	2: \$2,938,584.20
Group 0073: Design Continger	ncy Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTING	1.00 ENCY COSTS	LS	\$0.00000	\$0.00
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY CO 25%	1.00	LS	\$14,306,181.06000	\$14,306,181.06
			Total for Group 0073:	\$14,306,181.06
Group 0074: Inflation Continge	ency			
0266 V-OC-CNTG OTHER COSTS, CONTINGENCY CO	0.00 DSTS	LS	\$0.00000	\$0.00
			Total for Gr	oup 0074: \$0.00

PID	KY-5	County	Kenton	Route	75	Section	This R/W Acquisition cost estimate i
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Macro View												At	ttributes			
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	=	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cos Estimates
Residential	3.31	X	\$82,451.65	\$272,750	+	855500	+	N/A	\$855,500.00	=	\$1,128,250.05	17	6	11	5	Estimate the total number of acres involved in the
-Commercial	6.68	Х	\$147,451.64	\$985,065	+	1135000	+	N/A	\$1,135,000.00	=	\$2,120,065.42	19	1	18	1	project and allocate those acres into the four
-Industrial	0	X	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	0	categories shown.
-Agricultural	0	X	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	0	Assign an average unit price for each category. These unit prices are typically taken from the audit
Relocation	Unit (Displacement) x	*RHF	P/*RSP	+	Move Cost	+	Reestabli	shment	=	Total Non Labor RAP Costs	Estima	ate amount of tim all RAP parcel	-		tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must bas unit prices on a project sales data book instead of
-Residential Owner Occupant Tenant	3 14	x x	-	4,000),000	+++	\$6,000 \$1,750				= =	\$120,000 \$164,500		te number of yea quisition begins =		ct wide R/W 3.5	card data. Add structure values from the auditors tax cards or if the structures are taken.
-Commerical/Farm/NPO Owner Tenant	1				x x	\$15,000 \$15,000	++	\$10,0 \$10,0		=	\$25,000 \$25,000					Damages must be assessed by a pre-qualified exp with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6
-Personal Property	0				Х	\$1,000				=	\$0					Major Projects) and requires some knowledge of the impacts of the project on structures.
{[(Total Cost of Acquisition Cost):	x0.90]x0.025}+{[(Total Cost)x0.10]x1.50			15]x1.20}+{[(Tota	l of Ac	quisition	(Conting (Incidentals, Admin. Re Total Non Lab	eview & Appropriatio	on)	1145031.203 \$4,727,846.67	*RSP - Re	eplacement Hous ent Supplemental on-Profit Organiz	Payment	t	Relocation Cost Estimates must consider the complexity of the move process. All move estimat
Macro View																that involve a business or a mulit-tenant residentia structure should use the services of a relocation
Labor (External)	Unit (Parcels)	X	Unit	Price	=	Total Cost					This R/M	V Cost Estin	nate Prepared b	v	Date	Assistance professionnal to accurately gauge cost
Titles	36	X	\$4	400	=	\$14,400								3		-
Appraisal -Simple -Detailed	12 24	x x		750 ,500	=	\$9,000 \$108,000					This R/W Cost Estir	Joseph Ku			2/15/2011 6	Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the
Appraisal Review -Simple	12	x	\$	500	=	\$6,000					of the PDP for	MAJOR	Projects using			complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimate
-Detailed	24	Х	\$2	,000	=	\$48,000										to reflect local labor costs. It is critical that the
Negotiations	36	X	\$1	,100	=	\$39,600										estimate be labeled to reflect the alignment alternative, the step in the PDP process and the
Relocations -Personal Property -Residential -Commercial/Farm/*NPO	0 17 1	x x x	\$5	,500 ,200 ,600	=	\$0 \$88,400 \$5,600						То	tal Labor Costs	\$35	3,200.00	person(s) performing the estimate. Comments
Closings	36	X	\$4	400	=	\$14,400					-			ф л – г	07.040.07	Cost/Unit were generated from auditors tax card d
	36	X	\$	550	=	\$19,800						Total Non La	abor R/W Costs	\$4,72	27,846.67	
Project Management			T		=							Inflatio	on Adjustments	\$41	6,645.83	
Project Management Asbestos Testing & Abatement		Х														
		Tot	al Labor Cos	ts		\$353,200							Total R/W Costs		97,692.50	

Macro View					
Labor (External)	Unit (Parcels)	Х	Unit Price	=	Total Cost
Titles	36	Х	\$400	=	\$14,400
Appraisal -Simple	12	x	\$750	_	\$9,000
-Detailed	24	x	\$4,500	=	\$108,000
Appraisal Review					
-Simple	12	х	\$500	=	\$6,000
-Detailed	24	х	\$2,000	=	\$48,000
Negotiations	36	Х	\$1,100	=	\$39,600
Relocations					
-Personal Property	0	Х	\$1,500	=	\$0
-Residential	17	Х	\$5,200	=	\$88,400
-Commercial/Farm/*NPO	1	Х	\$5,600	=	\$5,600
Closings	36	Х	\$400	=	\$14,400
Project Management	36	Х	\$550	=	\$19,800
Asbestos Testing & Abatement		Х		=	
		Tota	al Labor Costs		\$353,200
*NPO = Non-Profit Organization					-

	Att	ributes						
Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates			
\$1,128,250.05	17	6	11	5	Estimate the total number of acres involved in the			
\$2,120,065.42	19	1	18	1	project and allocate those acres into the four			
\$0.00	0	0	0	0	categories shown.			
\$0.00	0	0	0	0	Assign an average unit price for each category. These unit prices are typically taken from the auditors			
Total Non Labor	Estima	te amount of time	e necessary	to relocate	tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base			
RAP Costs		all RAP parcel	s = (months)	24	unit prices on a project sales data book instead of tax card data.			
¢400.000	Estimate	e number of year	rs until projec	ct wide R/W				
\$120,000 \$164,500	acqu	uisition begins =		3.5	Add structure values from the auditors tax cards only if the structures are taken.			
					Damages must be assessed by a pre-qualified expert			
\$25,000 \$25,000					with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6 on			
\$0					Major Projects) and requires some knowledge of the			
1145031.203	*RHP - Re	placement Hous	ing Payment		impacts of the project on structures.			
\$4,727,846.67	*RSP - Rent Supplemental Payment *NPO - Non-Profit Organization				Relocation Cost Estimates must consider the complexity of the move process. All move estimates			
ψ+,727,040.07					that involve a business or a mulit-tenant residential structure should use the services of a relocation			
					Assistance professionnal to accurately gauge costs.			
This R/M	/ Cost Estim	ate Prepared b	у	Date				
	Joseph Ku	iehnle		2/15/2011	Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and			
This R/W Cost Estir	nate was per	formed at Step		6	talent. Labor costs estimates should reflect the			
of the PDP for	MAJOR	Projects using			complexity of the project and the talent necessary to acquire the right of way in a timely manner. The			
					person making the cost estimate may adjust the figures given for the particular project being estimated			
					to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment			
					alternative, the step in the PDP process and the person(s) performing the estimate.			
	Tot	al Labor Costs	3,200.00	Comments Cost/Unit were generated from auditors tax card data.				
٢	Total Non Labor R/W Costs \$4,727,846.67				Cose offic were generated from additors tax card data.			
	Inflatio	n Adjustments	\$416	6,645.83				
	T	otal R/W Costs	\$5,49	7,692.50				

	Att	ributes						
Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates			
\$1,128,250.05	17	6	11	5	Estimate the total number of acres involved in the			
\$2,120,065.42	19	1	18	1	project and allocate those acres into the four			
\$0.00	0	0	0	0	categories shown.			
\$0.00	0	0	0	0	Assign an average unit price for each category. These unit prices are typically taken from the auditors			
Total Non Labor RAP Costs	Estimat	all RAP parcels	-		tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base unit prices on a project sales data book instead of tax card data.			
\$120,000 \$164,500		e number of year uisition begins =		ct wide R/W 3.5	Add structure values from the auditors tax cards only if the structures are taken.			
\$25,000 \$25,000 \$0					Damages must be assessed by a pre-qualified expert with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6 on Major Projects) and requires some knowledge of the			
1145031.203		placement Housi			impacts of the project on structures.			
\$4,727,846.67		nt Supplemental n-Profit Organiza			Relocation Cost Estimates must consider the complexity of the move process. All move estimates			
	И				that involve a business or a mulit-tenant residential structure should use the services of a relocation			
This R/V	/ Cost Estim	ate Prepared by	y	Date	Assistance professionnal to accurately gauge costs.			
	Joseph Ku	ehnle		2/15/2011	Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and			
This R/W Cost Estir	nate was per	formed at Step		6	talent. Labor costs estimates should reflect the complexity of the project and the talent necessary to			
of the PDP for	MAJOR	Projects using		acquire the right of way in a timely manner. Th				
					person making the cost estimate may adjust the figures given for the particular project being estimated			
					to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment			
					alternative, the step in the PDP process and the person(s) performing the estimate.			
	Tot	al Labor Costs	\$353	3,200.00	Comments			
Total Non Labor R/W Costs \$4,72				7,846.67	Cost/Unit were generated from auditors tax card data.			
	Inflatio	n Adjustments	\$416	645.83				
	т	otal R/W Costs	\$5,49	7,692.50				
					<u> </u>			

Estimate Alt E KY cont 6

Estimated Cost: \$33,202,743.20 Contingency: 53.80% Estimated Total: \$51,065,819.04

Base Date: 01/01/15 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt E KY cont 6				PB Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
Group 0001: Pavement Remova	al			
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	52,245.00	SY	\$8.00000	\$417,960.00
			Total for Group 0001: \$	417,960.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	331,350.00	CY	\$30.00000	\$9,940,500.00
			Total for Group 0002: \$9,	940,500.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0344 203E10000 EXCAVATION	331,350.00	CY	\$8.00000	\$2,650,800.00
			Total for Group 0003: \$2,	650,800.00
Group 0004: Excavation - Haza	rdous			
0006 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
			Total for Group 0	004: \$0.00
Group 0005: Fill - Embankment	(includes	wastin	g excess excavation)	
0007 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0345 203E20000 EMBANKMENT	662,700.00	CY	\$6.00000	\$3,976,200.00
			Total for Group 0005: \$3,	976,200.00
Group 0006: Fill - Lime Modified	d Soil			
0010 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0346 205E10050 LIME STABILIZED EMBANKMENT	0.00	CY	\$7.00000	\$0.00
0347 205E10300 LIME	0.00	TON	\$5.00000	\$0.00
			Total for Group 0	006: \$0.00
Group 0007: Fill - Borrow				
0011 A-MC-RDWY	0.00	CY	\$8.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0	007: \$0.00
Group 0008: Concrete Barrier				
0012 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0465 622E10060	3,600.00	FT	\$110.00000	\$396,000.00
7:33:14AM Thursday, December 02, 2010				Page 2 of 12

Estimate: Alt E KY cont 6				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
<u>Description</u> Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE	, TYPE B			•
			Total for Group 0008:	\$396,000.00
Group 0009: Subgrade Treatmen	t - Lime			
0014 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
			Total for Group	0009: \$0.00
Group 0010: Subgrade Treatmen	it - Ceme	ent		
0016 A-MC-RDWY	81,883.00		\$2.50000	\$204,707.50
MAJOR COST DRIVERS, ROADWAY			Total for Group 0010:	\$204.707.50
				. ,
Group 0011: Subgrade Treatmen				\$ 0.00
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
			Total for Group	0011: \$0.00
Group 0012: Other Roadway Cos	sts			
0019 A-OC-RDWY OTHER COSTS, ROADWAY	0.00	LS	\$0.00000	\$0.00
Contingency 0020 201E11000	0.00	15	\$856,500.00000	\$0.00
CLEARING AND GRUBBING 0021 201E21800	0.00	EACH		\$0.00
TREE REMOVED, 18" SIZE			\$250.00000	
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0028 202E35200 PIPE REMOVED, OVER 24"	0.00	FT		\$0.00
0029 202E38000 GUARDRAIL REMOVED	0.00	FT		\$0.00
0030 202E42206	0.00	EACH		\$0.00
ANCHOR ASSEMBLY REMOVED 0031 202E58000	0.00	EACH		\$0.00
MANHOLE REMOVED 0032 202E58100	0.00	EACH		\$0.00
CATCH BASIN REMOVED 0033 202E75000	0.00	FT		\$0.00
FENCE REMOVED 0034 204E45000	0.00	HOUR	\$126.59000	\$0.00
			• • • •	• •

Estimate: Alt E KY cont 6				PB Americas, Inc.
Line # Item Number	Quantity	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
PROOF ROLLING				
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF JO	0.00 INT. TYPE A	FT		\$0.00
0037 606E13000 GUARDRAIL, TYPE 5	1,250.00	FT	\$14.00000	\$17,500.00
0038 606E22000 ANCHOR ASSEMBLY, TYPE B-98	0.00	EACH		\$0.00
0039 606E22010 ANCHOR ASSEMBLY, TYPE E-98	0.00	EACH		\$0.00
0040 606E26500 ANCHOR ASSEMBLY, TYPE T	0.00	EACH		\$0.00
0041 606E35000	0.00	EACH		\$0.00
BRIDGE TERMINAL ASSEMBLY, T 0042 606E35100	0.00	EACH		\$0.00
BRIDGE TERMINAL ASSEMBLY, T 0043 606E60010		EACH		\$0.00
IMPACT ATTENUATOR, TYPE 1-94 0044 607E15000	8 (BIDIRECTION 0.00	,		\$0.00
FENCE, TYPE 47 For Fencing				
0423 304E20000 AGGREGATE BASE	0.00	CY		\$0.00
For Fencing 0424 601E32100	0.00	CV		\$0.00
ROCK CHANNEL PROTECTION, T For Fencing				φ0.00
0425 607E40500 GATE, TYPE 47 For Fencing	0.00	EACH		\$0.00
0426 625E32000 GROUND ROD	0.00	EACH		\$0.00
For Fencing 0466	0.00		\$0.00000	\$0.00
0400	0.00		Total for Group 0012:	•
Group 0014: Seeding & Mulcl	hina / Soddir	na		
0045 B-MC-ERCO	1.00	-	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSIO 0467 659E10000	N CONTROL 67,695.00	SY	\$1.00000	\$67,695.00
SEEDING AND MULCHING 0531 660E25000	0.00		\$15.00000	\$0.00
SODDING STAKED	0.00	01		
			Total for Group 0014:	\$07,095.00
Group 0015: Rock Channel P	rotection			
0047 B-MC-ERCO MAJOR COST DRIVERS, EROSIO	1.00 N CONTROL	LS	\$0.00000	\$0.00
0469 601E32000 ROCK CHANNEL PROTECTION, T	12.00 YPE A WITH FIL	-	\$75.00000	\$900.00
			Total for Group 001	5: \$900.00
Group 0016: Erosion Control	- Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
7:33:14AM				

Estimate: Alt E KY cont 6 <u>Line #</u> <u>Item Number</u> <u>Description</u> Supplemental Description	Quantity	<u>Units</u>	Unit Price	PB Americas, Inc. <u>Extension</u>
MAJOR COST DRIVERS, EROSION CC 0470 832E10000	1.00	LS	\$50,000.00000	\$50,000.00
	110N PLAN 300,000.00	EACH	\$1.00000	\$300,000.00
EROSION CONTROL			Total for Group 0016:	\$350,000,00
				<i>Q</i> CCCCCCCCCCCCC
Group 0017: Other Erosion Cont				
0049 670E00700 DITCH EROSION PROTECTION	0.00	SY		\$0.00
0050 B-OC-ERCO OTHER COSTS, EROSION CONTROL	1.00	LS	\$0.00000	\$0.00
0051 659E00100	0.00	EACH	\$0.00000	\$0.00
SOIL ANALYSIS TEST 0052 659E00300	0.00	CY		\$0.00
TOPSOIL 0053 659E14000	0.00	SY		\$0.00
REPAIR SEEDING AND MULCHING 0054 659E15000	0.00	SY	\$0.71000	\$0.00
INTER-SEEDING 0055 659E20000	0.00	TON		\$0.00
COMMERCIAL FERTILIZER			# 0.0000	
0056 659E31000 LIME	0.00	ACRE	\$0.00000	\$0.00
0057 659E35000 WATER	0.00	MGAL	\$5.00000	\$0.00
0058 659E40000 MOWING	0.00	MSF	\$0.00000	\$0.00
Movine			Total for Group	0017: \$0.00
Crown 0019: Underdreine				
Group 0018: Underdrains 0059 C-MC-DRNG	1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			·	
0062 605E05100 4" SHALLOW PIPE UNDERDRAINS	10,850.00	FT	\$8.00000	\$86,800.00
			Total for Group 0018	: \$86,800.00
Group 0019: Culverts - Type A: <	< 5'			
0474 C-MC-DRNG	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0480 C-MC-DRNG	37.00	FT	\$350.00000	\$12,950.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete P	ipe up to 60"			
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE		EACH	\$1,500.00000	\$1,500.00
Concrete Masonry			T () () 0 00 (0	
			Total for Group 0019	: \$14,450.00
Group 0021: Culverts, Type A: 5'	- 10'			
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0476 C-MC-DRNG	0.00	FT	\$550.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE				
7:33:14AM Thursday, December 02, 2010				Page 5 of 12

Estimate: Alt E KY cont 6				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Pipe Structures - Reinforced Concrete 5	5'-10' 66" to	78"		
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		EACH	\$2,000.00000	\$0.00
			Total for Group	0021: \$0.00
Group 0022: Culverte Type A: 1	0' 20'			
Group 0022: Culverts, Type A: 1 0486 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0487 C-MC-DRNG				
MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$1,400.00000	\$0.00
Pipe Structures - Reinforced Concrete F 0488 C-MC-DRNG	20' Pipe 10'-20' 0.00	EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Concrete Masonry				
			Total for Group	0022: \$0.00
Crown 0024: DMD's				
Group 0024: BMP's	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE	1.00	LO		
			Total for Group	0024: \$0.00
Group 0025: Closed Storm Syste	em			
0077 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0489 603E13400	3,608.00	FT	\$75.00000	\$270,600.00
30" CONDUIT, TYPE B (Average size) 0523 604E00800	14.00	EACH	\$1,500.00000	\$21,000.00
CATCH BASIN, NO. 3A 0524 604E31500	1.00	EACH	\$3,000.00000	\$3,000.00
MANHOLE, NO. 3				
0525 604E36601 PRECAST REINFORCED CONCRETE		EACH S PER PLAN	\$1,250.00000	\$0.00
0526 Special Pump Station (Storm)	0.00	LS	\$6,400,000.00000	\$0.00
0527 Special	0.00	EACH	\$5,750.00000	\$0.00
Stormceptors 0529 Special	0.00	LS	\$109,000.00000	\$0.00
Retention basin improvements			Total for Group 0025:	\$294,600,00
.				+0 .,000.00
Group 0026: Other Drainage Cos				
0078 C-OC-DRNG OTHER COSTS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group	0026: \$0.00
Group 0027: Mainline - Travel La	anes			
0095 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0494 D-MC-PVMT	59,563.00	SY	\$68.00000	\$4,050,284.00
13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Co	·		<i>400.0000</i>	ΨΤ,000,20Τ.00
7:33:14AM Thursday, December 02, 2010				Page 6 of 12

Estimate: Alt E KY cont 6				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
			Total for Group 0027: \$	4 050 284 00
	_			4,000,204.00
Group 0028: Mainline - Outside			A A AAAAA	Aa aa
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00		\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement	8,534.00	SY	\$68.00000	\$580,312.00
Includes 6" Agg base and Subgrade Co	ompaction		Total for Group 0028:	¢580 312 00
			Total for Group 0028:	φ360,312.00
Group 0030: Mainline - Inside S	houlder			
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement	11,410.00	SY	\$68.00000	\$775,880.00
Includes 6" Agg base and Subgrade Co	ompaction		Tatal for Orour 0020.	
			Total for Group 0030:	\$775,880.00
Group 0031: Ramps (including s	shoulders)		
0122 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0497 D-MC-PVMT 13" Reinforced Concrete Pavement	2,376.00	SY	\$68.00000	\$161,568.00
Includes 6" Agg base and Subgrade Co	ompaction		T + 1 (0 0004	
			Total for Group 0031:	\$161,568.00
Group 0032: Non - Mainline Lan	es			
0132 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0498 D-MC-PVMT Asphalt	0.00	SY	\$41.00000	\$0.00
Includes 3" 448, 9" 301, 6" Agg base ar	nd Subgrade	Compaction		
			Total for Group	0032: \$0.00
Group 0041: Other Pavement C	osts			
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, PAVEMENT			Total for Group	0041: \$0.00
Group 0042: Water Works				
Group 0042: Water Works 0164 E-MC-WATR	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, WATER LIN 0165 E-OC-WATR			\$0.00000	\$0.00
OTHER COSTS, WATER LINE	0.00	10		
			Total for Group	0042: \$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY S	0.00 SEWER	LS	\$0.00000	\$0.00
7:33:14AM				

Estimate: Alt E KY cont 6 <u>Line # Item Number</u> <u>Description</u> Supplemental Description	<u>Quantity</u>	<u>Units</u>	PB <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
			Total for Group 0043	: \$0.00
Group 0044: Lighting - Full Interch	nange			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	EACH	\$469,000.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING			Total for Group 0044	: \$0.00
Group 0045: Lighting - Partial Inte	erchange	9		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0045	5: \$0.00
Group 0046: Lighting - Continuou	s Roadv	vav		
0176 G-MC-LTNG	1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING 0500 G-MC-LTNG Lighting - Continuous	3,600.00	FT	\$35.00000	\$126,000.00
			Total for Group 0046: \$126	,000.00
Group 0047: Other Lighting Costs	5			
0177 G-OC-LTNG OTHER COSTS, LIGHTING	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, EIGHTING			Total for Group 0047	: \$0.00
Group 0048: Traffic Surveillance				
0178 H-OC-SURV	1.00	LS	\$246,872.97000	\$246,872.97
OTHER COSTS, TRAFFIC SURVEILLAN	ICE		Total for Group 0048: \$246	6,872.97
Group 0040: Signs				
Group 0049: Signs 0179 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CON 0501 J-MC-TRAF	ITROL 0.68	MILE	\$250,000.00000	\$170,000.00
Signs			Total for Group 0049: \$170	
• • • • • • • • • • • • • • • • • • •				,000.00
Group 0050: Pavement Marking 0200 J-MC-TRAF	1.00	18	\$0.00000	00.02
MAJOR COST DRIVERS, TRAFFIC CON	ITROL		·	\$0.00
0502 644E00100 EDGE LINE	2.92		\$3,000.00000	\$8,760.00
0503 644E00200 LANE LINE	7.19	MILE	\$2,000.00000	\$14,380.00
			Total for Group 0050: \$23	5,140.00

Group 0051: Other Traffic Control Costs

Estimate: Alt E KY cont 6 <u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	Quantity	<u>Units</u>	PB A <u>Unit Price</u>	mericas, Inc. <u>Extension</u>
0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL	1.00	LS	\$0.00000	\$0.00
Group 0052: Signals - Intersections	3		Total for Group 0051:	\$0.00
0212 K-MC-SGNL	0.00	LS	\$175.00000	\$0.00
MAJOR COST DRIVERS, SIGNALS			Total for Group 0052:	\$0.00
Group 0053: Other Traffic Signal C 0213 K-OC-SGNL	OStS 1.00	LS	\$0.00000	\$0.00
OTHER COSTS, SIGNALS	1.00	LO		
Group 0054: Landscaping			Total for Group 0053:	
0214 L-MC-LSCP MAJOR COST DRIVERS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
0215 L-OC-LSCP OTHER COSTS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
Group 0055: Retaining Walls \$125	+ \$10/	ft for ca	Total for Group 0054: aps, barriers and testing	\$0.00
0216 M-MC-WALL MAJOR COST DRIVERS, RETAINING WA	1.00 LLS	LS	\$0.00000	\$0.00
0504 M-MC-WALL Retaining Walls	0.00	SF	\$135.00000	\$0.00
	Cooto		Total for Group 0055:	\$0.00
Group 0056: Other Retaining Wall 0217 M-OC-WALL	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, RETAINING WALLS			Total for Group 0056:	
Group 0057: Building Demolition				
0218 N-MC-DEMO MAJOR COST DRIVERS, BUILDING DEM	1.00 OLITION	LS	\$0.00000	\$0.00
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITION	1.00	LS	\$0.00000	\$0.00
0532 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Commercial	0.00	EACH	\$30,000.00000	\$0.00
0533 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Commercial	0.00	EACH	\$15,000.00000	\$0.00
0534 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Residential	1.00	EACH	\$12,000.00000	\$12,000.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Residential 0536 202E98100	4.00	EACH	\$7,500.00000 \$8,500.00000	\$30,000.00 \$0.00
7:33:14AM	0.00	LAUIT	ψ0,000.00000	φ0.00

7:33:14AM Thursday, December 02, 2010

Estimate: Alt E KY cont 6 Line # Item Number	Quantity	Units	PB A Unit Price	mericas, Inc. Extension
Description Supplemental Description	<u>additity</u>	<u>onns</u>		
REMOVAL MISC.: Radio Tower				
			Total for Group 0057: \$42,0	00.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIEI	1.00 R	LS	\$0.00000	\$0.00
0505 P-MC-NSBR Noise Barrier	0.00	LS	\$400.00000	\$0.00
			Total for Group 0058:	\$0.00
Group 0059: Other Noise Barrier C	osts			
0221 P-OC-NSBR OTHER COSTS, NOISE BARRIER	1.00	LS	\$0.00000	\$0.00
0368 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIEI	0.00 R	LS	\$0.00000	\$0.00
			Total for Group 0059:	\$0.00
Group 0060: New Structures				
0222 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	1.00	LS	\$0.00000	\$0.00
0506 R-MC-STRC Tier 1 Structures to 25' Height	0.00	SF	\$125.00000	\$0.00
0507 R-MC-STRC Removal of Existing Structures non-comple	0.00	SF	\$12.00000	\$0.00
0508 R-MC-STRC Standard Removal of Existing Structures at	0.00		\$17.00000	\$0.00
0509 R-MC-STRC Removal of Existing Structures complex to	0.00	SF	\$30.00000	\$0.00
0513 R-MC-STRC Tier 2 Structures 25' to 50' Height	0.00		\$150.00000	\$0.00
0516 R-MC-STRC Tier 3 Structures 50' to 75' Height	0.00	SF	\$200.00000	\$0.00
Ŭ			Total for Group 0060:	\$0.00
Group 0061: Rehabilitated Structur	es			
0223 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	0.00	SF	\$45.00000	\$0.00
			Total for Group 0061:	\$0.00
Group 0062: Other Structure Costs	5			
0224 R-OC-STRC OTHER COSTS, STRUCTURES	0.00	LS	\$0.00000	\$0.00
Contingency			Total for Group 0062:	\$0.00
Group 0062. Tomporary Bood and	Dovor	ont Costa		
Group 0063: Temporary Road and 0225 S-MC-MNTC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE	OF TRAF	FIC		

Estimate: Alt E KY cont 6 <u>Line # Item Number</u> <u>Quantity Units</u> <u>Description</u>	PB A <u>Unit Price</u>	mericas, Inc. <u>Extension</u>
Supplemental Description		
	Total for Group 0063:	\$0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0064:	\$0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0065:	\$0.00
		φ0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0066:	\$0.00
Group 0067: Temporary Signals		
0230 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0067:	\$0.00
Oraun 0000, Wark Zana Linkting	·	•
Group 0068: Work Zone Lighting 0231 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC		
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
,	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS	\$0.00000	\$0.00
OTHER COSTS, MAINTENANCE OF TRAFFIC 0512 S-OC-MNTC 0.68 MILE	\$500,000.00000	\$340,000.00
OTHER COSTS, MAINTENANCE OF TRAFFIC	Total for Group 0070: \$340,0	00.00
Group 0071: Wetland Construction 0234 T-MC-WTLD 0.00 LS	00000 02	ድር ርር
MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt E KY cont 6				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
<u>Description</u> Supplemental Description				
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELL	0.00 ANEOUS COST	-	\$0.00000	\$0.00
0236 U-OC-MISC	0.00		\$0.00000	\$0.00
OTHER COSTS, MISCELLANEOUS 0237 100E00300	0.00		\$10,000.00000	\$0.00
SPECIAL - PREMIUM ON RAILROA LIABILITY INSURANCE	DS' PROTECTI	VE PUBL	IC LIABILITY AND PROPERTY DAM	MAGE
0238 623E10000 CONSTRUCTION LAYOUT STAKES 0.5%	1.00 S	LS	\$124,670.85000	\$124,670.85
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$498,683.39000	\$498,683.39
0240 619E16020 FIELD OFFICE, TYPE C	32.00	MNTH	\$2,500.00000	\$80,000.00
0242 624E10000 MOBILIZATION	1.00	LS	\$800,000.00000	\$800,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERFO	1.00 DRMANCE BON		\$124,670.85000 OR PAYMENT BOND	\$124,670.85
0518	0.00		\$0.00000	\$0.00
0519	0.00		\$0.00000	\$0.00
0520	0.00		\$0.00000	\$0.00
0521	0.00		\$0.00000	\$0.00
			Total for Group 0072	2: \$1,628,025.09
Group 0073: Design Continge	ncy Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTING	1.00 ENCY COSTS	LS	\$0.00000	\$0.00
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY C 25%	1.00	LS	\$6,640,548.64000	\$6,640,548.64
			Total for Group 0073	3: \$6,640,548.64
Group 0074: Inflation Continge	encv			
0266 V-OC-CNTG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, CONTINGENCY C	OSTS		Total for Gr	oup 0074: \$0.00
				ουρ ουν τ. ψυ.ου

PID	KY-6	County	Kenton	Route	75	Section	This R/W Acquisition cost estimate
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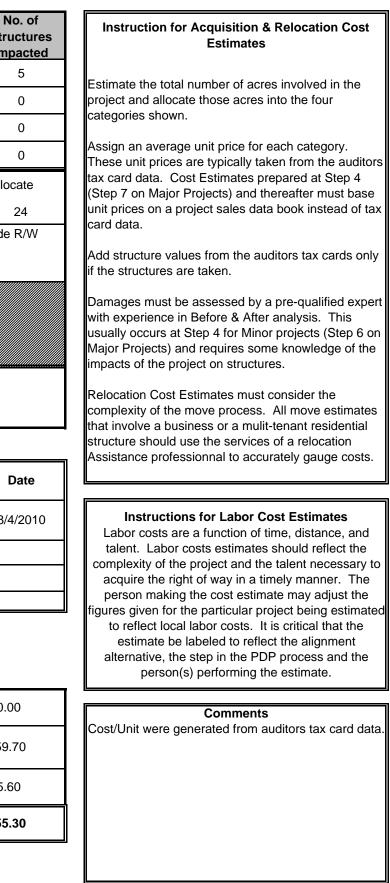
Macro View												At	tributes		
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	=	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No Struc Impa
-Residential	3.37	Х	\$96,480.75	\$325,140	+	2085000	+	N/A	\$2,085,000.00	=	\$2,410,140.13	8	4	4	:
-Commercial	0.41	Х	\$4,950.50	\$2,030	+	0	+	N/A	\$0.00	=	\$2,029.71	1	0	1	
-Industrial	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
-Agricultural	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
Relocation	Unit (Displacement)	x	*RHF	9/*RSP	+	Move Cost	+	Reestabl	ishment	=	Total Non Labor RAP Costs	Estimate amount of time necessary to re all RAP parcels = (months)			
-Residential Owner Occupant Tenant	5 18	x x		1,000),000	+++	\$6,000 \$1,750				=	\$200,000 \$211,500		e number of yea uisition begins =		ct wide F 3.5
-Commerical/Farm/NPO Owner Tenant	0 0				x x	\$15,000 \$15,000	++	\$10, \$10,		=	\$0 \$0				
-Personal Property	0				Х	\$1,000				=	\$0				
{[(Total Cost of Acquisition Cost)x0.90]x0.025}+{[(Total of Acquisition Cost)x0.15]x1.20}+{[(Total of Acquisition Cost)x0.10]x1.50} = Contingency				Contingency (Incidentals, Admin. Review & Appropriation) 850			850289.866		placement Hous nt Supplemental		t				
								Total Non Lab	or R/W Costs		\$3,673,959.70		on-Profit Organiz		

Macro View	-			_	-		
Labor (External)	Unit (Parcels)	х	Unit Price	=	Total Cost		
Titles	9	Х	\$400	=	\$3,600		
Appraisal -Simple -Detailed	4	x x	\$750 \$4,500	=	\$3,000 \$22,500		
Appraisal Review -Simple -Detailed	4	x x	\$500 \$2,000	=	\$2,000 \$10,000		
Negotiations	9	Х	\$1,100	=	\$9,900		
Relocations -Personal Property -Residential -Commercial/Farm/*NPO	0 23 0	x x x	\$1,500 \$5,200 \$5,600	= = =	\$0 \$119,600 \$0		
Closings	23	Х	\$400	=	\$9,200		
Project Management	23	Х	\$550	=	\$12,650		
Asbestos Testing & Abatement		Х		=			
		Total Labor Costs					
*NPO = Non-Profit Organization							

This R/W Cost Estimate Prepared by						
Chris Clemons						
This R/W Cost Esti	This R/W Cost Estimate was performed at Step					
of the PDP for	MAJOR	Projects using				

Total Labor Costs	\$192,450.0
Total Non Labor R/W Costs	\$3,673,959.
Inflation Adjustments	\$317,045.6
Total R/W Costs	\$4,183,455.

P.D.P. R/W Cost Estimator



Estimate Alt E KY cont 7

Estimated Cost: \$273,619,105.99 Contingency: 57.60% Estimated Total: \$431,223,711.04

Base Date: 01/01/15 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt E KY cont 7				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Group 0001: Pavement Remova	al			
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	129,338.00	SY	\$8.00000	\$1,034,704.00
			Total for Group 0001: \$1	,034,704.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	80,360.00	CY	\$30.00000	\$2,410,800.00
WINDOW COOT DRIVENO, NOADWAT			Total for Group 0002: \$2	2,410,800.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0344 203E10000	120,540.00	CY	\$8.00000	\$964,320.00
EXCAVATION			Total for Group 0003:	\$964,320.00
Group 0004: Excavation Haza	rdous			
Group 0004: Excavation - Haza	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group	0004 \$0.00
	<i></i>			0004. φ0.00
Group 0005: Fill - Embankment	•		• ,	\$ 0.00
0007 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0345 203E20000 EMBANKMENT	268,200.00	CY	\$6.00000	\$1,609,200.00
			Total for Group 0005: \$7	,609,200.00
Group 0006: Fill - Lime Modified	d Soil			
0010 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0346 205E10050 LIME STABILIZED EMBANKMENT	0.00	CY	\$7.00000	\$0.00
0347 205E10300 LIME	0.00	TON	\$5.00000	\$0.00
			Total for Group	0006: \$0.00
Group 0007: Fill - Borrow				
0011 A-MC-RDWY	67,300.00	CY	\$8.00000	\$538,400.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0007:	\$538,400.00
Group 0008: Concrete Perrier				
Group 0008: Concrete Barrier	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0465 622E10060	6,150.00		\$110.00000	\$676,500.00
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Estimate: Alt E KY cont 7				PB Americas, Inc.
	Quantity	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE, 1	YPE B			
			Total for Group 0008:	\$676,500.00
Group 0009: Subgrade Treatment	limo			
0014 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0348 206E10000	0.00		\$1.85000	\$0.00
LIME STABILIZED SUBGRADE				
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
			Total for Group	0009: \$0.00
Croup 0010: Subgrada Tractment	Come	h t		
Group 0010: Subgrade Treatment	- Ceme 2,575.00		\$2.50000	\$406,437.50
MAJOR COST DRIVERS, ROADWAY	2,070.00	01		
			Total for Group 0010:	\$406,437.50
Group 0011: Subgrade Treatment	- Unde	rcut & E	Backfill	
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
MAJOR COOT DRIVERS, ROADWAT			Total for Group	0011: \$0.00
Crown 0012: Other Deadway Cost				
Group 0012: Other Roadway Costs	0.00	15	\$0.00000	\$0.00
OTHER COSTS, ROADWAY	0.00	20	ψ0.00000	φ0.00
Contingency 0020 201E11000	0.00	LS	\$856,500.00000	\$0.00
CLEARING AND GRUBBING 0021 201E21800	0.00	EACH	\$250.00000	\$0.00
TREE REMOVED, 18" SIZE 0022 201E23000	0.00	EACH	\$405.00000	\$0.00
TREE REMOVED, 30" SIZE 0023 201E24800	0.00	EACH	\$772.00000	\$0.00
TREE REMOVED, 48" SIZE				
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0028 202E35200 PIPE REMOVED, OVER 24"	0.00	FT		\$0.00
0029 202E38000 GUARDRAIL REMOVED	0.00	FT		\$0.00
0030 202E42206	0.00	EACH		\$0.00
ANCHOR ASSEMBLY REMOVED 0031 202E58000	0.00	EACH		\$0.00
MANHOLE REMOVED 0032 202E58100	0.00	EACH		\$0.00
CATCH BASIN REMOVED 0033 202E75000	0.00			\$0.00
FENCE REMOVED			\$400 F0000	
0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

Estimate: Alt E KY cont 7				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
Description				
Supplemental Description				
PROOF ROLLING			•	
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF J	0.00 OINT TYPE A	FT		\$0.00
0037 606E13000 GUARDRAIL, TYPE 5	4,200.00	FT	\$14.00000	\$58,800.00
0038 606E22000 ANCHOR ASSEMBLY, TYPE B-98	0.00	EACH		\$0.00
0039 606E22010	0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE E-98 0040 606E26500	3 0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE T	0.00	LACH		φ0.00
0041 606E35000	0.00	EACH		\$0.00
BRIDGE TERMINAL ASSEMBLY, 0042 606E35100	0.00	EACH		\$0.00
BRIDGE TERMINAL ASSEMBLY,		FAOL		\$ 0.00
0043 606E60010 IMPACT ATTENUATOR, TYPE 1-		EACH AL)		\$0.00
0044 607E15000	0.00	,		\$0.00
FENCE, TYPE 47 For Fencing				
0423 304E20000	0.00	CY		\$0.00
AGGREGATE BASE For Fencing				
0424 601E32100	0.00			\$0.00
ROCK CHANNEL PROTECTION, For Fencing	TYPE B WITH FIL	TER		
0425 607E40500	0.00	EACH		\$0.00
GATE, TYPE 47 For Fencing				
0426 625E32000	0.00	EACH		\$0.00
GROUND ROD For Fencing				
0466	0.00		\$0.00000	\$0.00
			Total for Group 0012: S	\$58,800.00
Group 0014: Seeding & Mulo	•	•		
0045 B-MC-ERCO MAJOR COST DRIVERS, EROSIO		LS	\$0.00000	\$0.00
0467 659E10000 SEEDING AND MULCHING	35,254.00	SY	\$1.00000	\$35,254.00
0531 660E25000 SODDING STAKED	0.00	SY	\$15.00000	\$0.00
			Total for Group 0014: S	\$35,254.00
Group 0015: Rock Channel I	Protection			
0047 B-MC-ERCO	1.00	LS	00000	00 O2
MAJOR COST DRIVERS, EROSIO		LS	\$0.00000	\$0.00
0469 601E32000 ROCK CHANNEL PROTECTION,	12.00 TYPE A WITH FIL	CY TER	\$75.00000	\$900.00
,			Total for Group 0015	5: \$900.00
Group 0016: Erosion Contro	l - Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
7:34:38AM	1.00	20	ψυ.υυυυυ	φ0.00

Estimate: Alt E KY cont 7			PB	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
MAJOR COST DRIVERS, EROSION CO				
0470 832E10000 STORM WATER POLLUTION PREVEN	1.00 TION PLAN	LS	\$50,000.00000	\$50,000.00
0471 832E20000 EROSION CONTROL	170,000.00	EACH	\$1.00000	\$170,000.00
			Total for Group 0016: \$220,	000.00
Group 0017: Other Erosion Cont	rol Costs			
0049 670E00700	0.00	SY		\$0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, EROSION CONTROL 0051 659E00100	0.00	EACH	\$0.00000	\$0.00
SOIL ANALYSIS TEST 0052 659E00300	0.00	CY		\$0.00
TOPSOIL 0053 659E14000	0.00	SY		\$0.00
REPAIR SEEDING AND MULCHING 0054 659E15000	0.00	SY	\$0.71000	\$0.00
INTER-SEEDING 0055 659E20000	0.00	TON		\$0.00
COMMERCIAL FERTILIZER 0056 659E31000		ACRE	\$0.00000	\$0.00
LIME 0057 659E35000	0.00	MGAL	\$5.00000	\$0.00
WATER 0058 659E40000	0.00	MSF	\$0.00000	\$0.00
MOWING	0.00	INIGI		
			Total for Group 0017:	\$0.00
Group 0018: Underdrains				
0059 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0062 605E05100 4" SHALLOW PIPE UNDERDRAINS	11,295.00	FT	\$8.00000	\$90,360.00
			Total for Group 0018: \$90,	360.00
Group 0019: Culverts - Type A: <	: 5'			
0474 C-MC-DRNG	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0480 C-MC-DRNG	0.00	FT	\$350.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete P	ipe up to 60"			
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Group 0019:	\$0.00
•				ψ0.00
Group 0021: Culverts, Type A: 5'		10	¢0.00000	¢0.00
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000	\$0.00
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Estimate: Alt E KY cont 7				PB Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
Pipe Structures - Reinforced Concrete 5			\$4 500 00000	* 0.00
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls	0.00	EACH	\$1,500.00000	\$0.00
			Total for Grou	p 0021: \$0.00
Group 0022: Culverts, Type A: 1	0' - 20'			
0486 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$1,400.00000	\$0.00
Pipe Structures - Reinforced Concrete F		FACU	¢4 500 00000	¢0.00
0488 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Grou	p 0022: \$0.00
Group 0024: BMP's				
0076 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			Total for Grou	p 0024: \$0.00
				p +
Group 0025: Closed Storm Syste	em 1.00	10	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE				
30" CONDUIT, TYPE B (Average size)	23,930.00	FT	\$75.00000	\$1,794,750.00
0523 604E00800 CATCH BASIN, NO. 3A	150.00		\$1,500.00000	\$225,000.00
0524 604E31500 MANHOLE, NO. 3	35.00		\$3,000.00000	\$105,000.00
0525 604E36601 PRECAST REINFORCED CONCRETE	OUTLET, AS		\$1,250.00000	\$1,250.00
0526 Special Pump Station (Storm)	1.00	LS	\$6,400,000.00000	\$6,400,000.00
0527 Special Stormceptors	6.00	EACH	\$5,750.00000	\$34,500.00
0529 Special Retention basin improvements	1.00	LS	\$109,000.00000	\$109,000.00
			Total for Group 0025:	\$8,669,500.00
Group 0026: Other Drainage Co	sts			
0078 C-OC-DRNG OTHER COSTS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Grou	p 0026: \$0.00
Group 0027: Mainline - Travel La	anes			
0095 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0494 D-MC-PVMT	61,502.00	SY	\$68.00000	\$4,182,136.00
13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Co	ompaction			
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Estimate: Alt E KY cont 7				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
			Total for Group 0027:	¢1 192 126 00
			Total for Group 0027:	φ4,102,130.00
Group 0028: Mainline - Outside S	Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement	13,630.00	SY	\$68.00000	\$926,840.00
Includes 6" Agg base and Subgrade Cor	npaction		Total for Group 0028	3: \$926.840.00
				. 4020,010100
Group 0030: Mainline - Inside Sh				
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement	15,649.00	SY	\$68.00000	\$1,064,132.00
Includes 6" Agg base and Subgrade Cor	npaction			A () () () () ()
			Total for Group 0030:	\$1,064,132.00
Group 0031: Ramps (including sl	houlders))		
0122 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0497 D-MC-PVMT	27,291.00	SY	\$68.00000	\$1,855,788.00
13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Con	npaction			
			Total for Group 0031:	\$1,855,788.00
Group 0032: Non - Mainline Lane	29			
0132 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0498 D-MC-PVMT	44,394.00	SY	\$41.00000	\$1,820,154.00
Asphalt Includes 3" 448, 9" 301, 6" Agg base and			• • • • • • •	÷,,
includes 3 40, 9 301, 0 Agy base and	d Subgrade (Compaction	Total for Group 0032:	\$1,820,154.00
Crown 0044. Other Devement Co				
Group 0041: Other Pavement Co 0163 D-OC-PVMT	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, PAVEMENT	1.00	10		
			Total for Grou	up 0041: \$0.00
Group 0042: Water Works				
0164 E-MC-WATR MAJOR COST DRIVERS, WATER LINE	0.00	LS	\$0.00000	\$0.00
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Grou	up 0042: \$0.00
Croup 0012: Sonitor Line				
Group 0043: Sanitary Line 0170 F-MC-SANI	0.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, SANITARY SI		20	ψ0.00000	ψ0.00
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Estimate: Alt E KY cont 7			PE	3 Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
			Total for Group 0043	3: \$0.00
Group 0044: Lighting - Full Interc	hange			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	2.00	EACH	\$469,000.00000	\$938,000.00
			Total for Group 0044: \$938	3,000.00
Group 0045: Lighting - Partial Inte	erchange	•		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0045	5: \$0.00
Group 0046: Lighting - Continuou	s Roadv	vay		
0176 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0500 G-MC-LTNG Lighting - Continuous	6,195.00	FT	\$35.00000	\$216,825.00
Lighting - Continuous			Total for Group 0046: \$216	6,825.00
Group 0047: Other Lighting Costs				
0177 G-OC-LTNG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, LIGHTING			Total for Group 0047	7: \$0.00
Crown 0040: Troffic Curveillenee			·	·
Group 0048: Traffic Surveillance	1.00	LS	\$2,083,872.78000	\$2,083,872.78
OTHER COSTS, TRAFFIC SURVEILLAN			Total for Group 0048: \$2,083	
				0,072.70
Group 0049: Signs	4.00		A 0.00000	\$ 0.00
0179 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC CON			\$0.00000	\$0.00
0501 J-MC-TRAF Signs	1.17	MILE	\$250,000.00000	\$292,500.00
			Total for Group 0049: \$292	2,500.00
Group 0050: Pavement Marking				
0200 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC CON	1.00	LS	\$0.00000	\$0.00
0502 644E00100 EDGE LINE	21.70	MILE	\$3,000.00000	\$65,100.00
0503 644E00200 LANE LINE	12.57	MILE	\$2,000.00000	\$25,140.00
			Total for Group 0050: \$90),240.00

Group 0051: Other Traffic Control Costs

Estimate: Alt E KY cont 7 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	PB <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL	1.00	LS	\$0.00000	\$0.00
			Total for Group 0051	\$0.00
Group 0052: Signals - Intersectio	7.00	LS	\$175,000.00000	\$1,225,000.00
MAJOR COST DRIVERS, SIGNALS			Total for Group 0052: \$1,225	,000.00
Group 0053: Other Traffic Signal	l Costs			
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
			Total for Group 0053	\$0.00
Group 0054: Landscaping				
0214 L-MC-LSCP	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, LANDSCAPI 0215 L-OC-LSCP	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, LANDSCAPING			Total for Group 0054	\$0.00
Group 0055: Retaining Walls \$1	25 + \$10/	ft for ca	ans harriers and testing	
0216 M-MC-WALL	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, RETAINING 0504 M-MC-WALL	WALLS 124,855.00	SF	\$135.00000 \$	16,855,425.00
Retaining Walls			Total for Group 0055: \$16,855	425.00
			· · · · · · · · · · · · · · · · · · ·	,
Group 0056: Other Retaining Wa	all Costs	LS	\$0.00000	\$0.00
OTHER COSTS, RETAINING WALLS				
			Total for Group 0056	. φυ.υυ
Group 0057: Building Demolition				
0218 N-MC-DEMO MAJOR COST DRIVERS, BUILDING D		LS	\$0.00000	\$0.00
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITI	1.00 ON	LS	\$0.00000	\$0.00
0532 202E98100 REMOVAL MISC.: <i>Radio Tower</i>	1.00	EACH	\$8,500.00000	\$8,500.00
0533 202E56101 BUILDING DEMOLISHED, AS PER PLA Small Residential	59.00 AN	EACH	\$7,500.00000	\$442,500.00
0534 202E56101 BUILDING DEMOLISHED, AS PER PLA Small Commercial	7.00 AN	EACH	\$15,000.00000	\$105,000.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLA Large Commercial	0.00 \N	EACH	\$30,000.00000	\$0.00
0536 202E56101	4.00	EACH	\$12,000.00000	\$48,000.00
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Estimate: Alt E KY cont 7				PB Americas, Inc.
Line # Item Number	Quantity	Units	Unit Price	Extension
Description	<u>uunny</u>		<u></u>	
Supplemental Description				
BUILDING DEMOLISHED, AS PER F Large Residential	PLAN			
			Total for Group 0057:	\$604,000.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR MAJOR COST DRIVERS, NOISE BA	1.00 RRIER	LS	\$0.00000	\$0.00
0505 P-MC-NSBR	47,992.00	SF	\$25.00000	\$1,199,800.00
Noise Barrier			Total for Group 0058: \$	1 100 800 00
				1,199,000.00
Group 0059: Other Noise Barri	er Costs			
0221 P-OC-NSBR	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, NOISE BARRIER			·	
0368 P-MC-NSBR MAJOR COST DRIVERS, NOISE BA	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE DA			Total for Group	0059: \$0.00
				φυισο
Group 0060: New Structures				
0222 R-MC-STRC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, STRUCTU		05	\$105,0000	#04 000 750 00
0506 R-MC-STRC Tier 1 Structures to 25' Height	254,430.00	SF	\$125.00000	\$31,803,750.00
0507 R-MC-STRC	4,744.00	SF	\$12.00000	\$56,928.00
Removal of Existing Structures non-c 0508 R-MC-STRC	omplex 175,222.00	SF	\$17.00000	\$2,978,774.00
Standard Removal of Existing Structu				φ2,370,774.00
0509 R-MC-STRC	113,347.00		\$30.00000	\$3,400,410.00
Removal of Existing Structures comp 0513 R-MC-STRC	491,540.00		\$150.00000	\$73,731,000.00
Tier 2 Structures 25' to 50' Height				
0516 R-MC-STRC Tier 3 Structures 50' to 75' Height	239,227.00	SF	\$200.00000	\$47,845,400.00
			Total for Group 0060: \$15	9 816 262 00
				0,010,202.00
Group 0061: Rehabilitated Stru	uctures			
0223 R-MC-STRC	0.00	SF	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTU	IRES		Tatal fan Oraan	0004. 00.00
			Total for Group	0061: \$0.00
Group 0062: Other Structure C	osts			
0224 R-OC-STRC	0.00	18	\$0.00000	\$0.00
OTHER COSTS, STRUCTURES	0.00	LO	\$0.00000	φ0.00
Contingency				
			Total for Group	0062: \$0.00
Group 0062: Tomporony Bood	and Dava~	ont Cool		
Group 0063: Temporary Road				
0225 S-MC-MNTC MAJOR COST DRIVERS, MAINTEN	1.00 ANCE OF TRAF		\$0.00000	\$0.00

Estimate: Alt E KY cont 7 Line # Item Number Quantity Units	PB / Unit Price	Americas, Inc. Extension
<u>Description</u> <u>Supplemental Description</u>	omernee	LAGHSION
	Total for Group 0063:	\$0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0064:	\$0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0066:	\$0.00
Group 0067: Temporary Signals		
0230 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS OTHER COSTS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
0512 S-OC-MNTC 1.17 MILE OTHER COSTS, MAINTENANCE OF TRAFFIC	\$500,000.00000	\$585,000.00
	Total for Group 0070: \$585,	00.00
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt E KY cont 7				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELL	0.00 ANEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOUS	0.00		\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILROA LIABILITY INSURANCE	0.00 DS' PROTECTIV		\$10,000.00000 IC LIABILITY AND PROPERT۱	¢ DAMAGE \$0.00
0238 623E10000 CONSTRUCTION LAYOUT STAKES 0.5%	1.00 S	LS	\$1,052,355.75000	\$1,052,355.75
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$4,209,423.01000	\$4,209,423.01
0240 619E16020 FIELD OFFICE, TYPE C	44.00	MNTH	\$2,500.00000	\$110,000.00
0242 624E10000 MOBILIZATION	1.00	LS	\$2,000,000.00000	\$2,000,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERF(0.5%	1.00 ORMANCE BON		\$1,052,355.75000 OR PAYMENT BOND	\$1,052,355.75
			Total for Group (0072: \$8,424,134.51
Group 0073: Design Continge	ncy Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTING	1.00 GENCY COSTS	LS	\$0.00000	\$0.00
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY C 25%	OSTS 1.00	LS	\$54,723,821.20000	\$54,723,821.20
			Total for Group 00	073: \$54,723,821.20
Group 0074: Inflation Conting	ency			
0266 V-OC-CNTG OTHER COSTS, CONTINGENCY C	0.00 OSTS	LS	\$0.00000	\$0.00
			Total fo	r Group 0074: \$0.00

PID	KY-7	County	Kenton	Route	75	Section	This R/W Acquisition cost estimate i
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Macro View												AL	tributes			
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	=	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates
Residential	8.78	Х	\$66,719.36	\$585,796	+	3126200	+	N/A	\$3,126,200.00	I	\$3,711,995.98	97	69	28	63	Estimate the total number of acres involved in the
-Commercial	4.86	Х	\$593,135.38	\$2,882,638	+	1176500	+	N/A	\$1,176,500.00	=	\$4,059,137.95	17	9	8	7	project and allocate those acres into the four
-Industrial	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	0	categories shown.
-Other	0.36	Х	\$7,723.48	\$2,780	+	0	+	N/A	\$0.00	=	\$2,780.45	3	1	2	1	Assign an average unit price for each category. These unit prices are typically taken from the audito
Relocation	Unit (Displacement) x	*RHF	P/*RSP	+	Move Cost	+	Reestabli	shment	=	Total Non Labor RAP Costs	Estima	ite amount of time all RAP parcels			tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must bas unit prices on a project sales data book instead of t
-Residential Owner Occupant Tenant	53 31	x x	-	4,000 0,000	++	\$6,000 \$1,750					\$2,120,000 \$364,250		e number of year uisition begins =		ct wide R/W 3.5	 Card data. Add structure values from the auditors tax cards on if the structures are taken.
-Commerical/Farm/NPO Owner Tenant	2 4				x x	\$15,000 \$15,000	++	\$10,0 \$10,0		=	\$50,000 \$100,000					Damages must be assessed by a pre-qualified exp with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6
-Personal Property	0				Х	\$1,000				=	\$0					Major Projects) and requires some knowledge of th impacts of the project on structures.
{[(Total Cost of Acquisition Cost)>				.15]x1.20}+{[(Total	l of Ac	quisition	(Contine Incidentals, Admin. Re		n)	2740304.819	*RSP - Re	placement Hous nt Supplemental	Payment	t	Relocation Cost Estimates must consider the
	Cost)x0.10]x1.50	0) – 0						Total Non Lab	or R/W Costs		\$13,148,469.20	*NPO - No	on-Profit Organiza	ation		complexity of the move process. All move estimate
Macro View	Cost)x0.10Jx1.5							Total Non Lab	or R/W Costs		\$13,148,469.20	*NPO - No	on-Profit Organiza	ation		complexity of the move process. All move estimate that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs
Macro View Labor (External)	Unit (Parcels)			t Price	=	Total Cost		Total Non Lab	or R/W Costs				on-Profit Organiza		Date	that involve a business or a mulit-tenant residential structure should use the services of a relocation
Macro View Labor (External)	, .			t Price 400	=	Total Cost \$46,800		Total Non Lab	or R/W Costs						Date	that involve a business or a mulit-tenant residential structure should use the services of a relocation
	Unit (Parcels)		\$		=			Total Non Lab	or R/W Costs				nate Prepared b		Date 8/4/2010	that involve a business or a mulit-tenant residential structure should use the services of a relocation
Macro View Labor (External) Titles Appraisal	Unit (Parcels)		\$	400	=	\$46,800		Total Non Lab	or R/W Costs			V Cost Estin Chris Cle	nate Prepared by			that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the
Macro View Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review	Unit (Parcels)	x x x x x	\$ \$ \$4	400 750 4,500	=	\$46,800 \$4,500 \$499,500		Total Non Lab	or R/W Costs		This R/W	V Cost Estin Chris Cle mate was pe	nate Prepared by		8/4/2010	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The
Macro View Labor (External) Titles Appraisal -Simple -Detailed	Unit (Parcels) 117 6 111 4		\$ \$ \$4 \$	400 750 4,500 500	=	\$46,800 \$4,500 \$499,500 \$2,000		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir	V Cost Estin Chris Cle mate was pe	mate Prepared by mons rformed at Step		8/4/2010	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimate
Macro View Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed	Unit (Parcels)	x x x x x	\$ \$ \$4 \$2 \$2	400 750 4,500	=	\$46,800 \$4,500 \$499,500 \$2,000 \$10,000		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir	V Cost Estin Chris Cle mate was pe	mate Prepared by mons rformed at Step		8/4/2010	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the
Macro View Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property	Unit (Parcels) 117 6 111 4 5 117 0	x x x x x	\$ \$ \$4 \$2 \$1 \$1	400 750 4,500 500 2,000 ,100 ,500	=	\$46,800 \$4,500 \$499,500 \$2,000 \$10,000 \$128,700 \$0		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir	V Cost Estin Chris Cle mate was pe	mate Prepared by mons rformed at Step		8/4/2010	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimat to reflect local labor costs. It is critical that the
Macro View Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations	Unit (Parcels) 117 6 111 4 5	x x x x x	\$ \$4 \$2 \$1 \$1 \$5	400 750 4,500 500 2,000 ,100	= = =	\$46,800 \$4,500 \$499,500 \$2,000 \$10,000 \$128,700		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir	V Cost Estin Chris Cle mate was per MAJOR	mate Prepared by mons rformed at Step	y	8/4/2010	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimat to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
Macro View Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential -Commercial/Farm/*NPO	Unit (Parcels) 117 6 111 4 5 117 0 84	x x x x x	\$ \$4 \$2 \$1 \$1 \$5 \$5	400 750 4,500 500 2,000 ,100 5,200	= = =	\$46,800 \$4,500 \$499,500 \$2,000 \$10,000 \$128,700 \$0 \$436,800		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir of the PDP for	V Cost Estin Chris Cle mate was per MAJOR	mate Prepared by mons rformed at Step Projects using	y	6	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimat to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
Macro View Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations Relocations -Personal Property -Residential -Commercial/Farm/*NPO Closings	Unit (Parcels) 117 6 111 4 5 117 0 84 6	x x x x x	\$ \$ \$4 \$2 \$1 \$1 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5	400 750 4,500 500 2,000 ,100 ,500 5,200 5,600	= = =	\$46,800 \$4,500 \$499,500 \$2,000 \$10,000 \$128,700 \$0 \$436,800 \$33,600		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir of the PDP for	V Cost Estin Chris Cle mate was per MAJOR	mate Prepared by mons rformed at Step Projects using	y	6	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimat to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
Macro View Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential -Commercial/Farm/*NPO Closings Project Management	Unit (Parcels) 117 6 111 4 5 117 0 84 6 1117	x x x x x	\$ \$ \$4 \$2 \$1 \$1 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5	400 750 4,500 500 2,000 ,100 5,200 5,600 400	= = =	\$46,800 \$4,500 \$499,500 \$2,000 \$10,000 \$128,700 \$0 \$436,800 \$33,600 \$46,800		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir of the PDP for	V Cost Estin Chris Cle mate was per MAJOR Total Non La	mate Prepared by mons rformed at Step Projects using	y \$1,2 \$13,1	6	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimat to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
Macro View Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential	Unit (Parcels) 117 6 111 4 5 117 0 84 6 1117	X X X X X X X X X X X X X X X X X X X	\$ \$ \$4 \$2 \$1 \$1 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5	400 750 4,500 500 2,000 ,100 5,500 5,600 400 550	= = =	\$46,800 \$4,500 \$499,500 \$2,000 \$10,000 \$128,700 \$0 \$436,800 \$33,600 \$46,800		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir of the PDP for	V Cost Estin Chris Cle mate was per MAJOR Total Non La Inflatic	mate Prepared by mons rformed at Step Projects using tal Labor Costs	y \$1,2 \$13,1 \$1,1	8/4/2010 6 73,050.00 48,469.20	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimat to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.

Macro View					
Labor (External)	Unit (Parcels)	Χ	Unit Price	=	Total Cost
Titles	117	Х	\$400	=	\$46,800
Appraisal -Simple -Detailed	6 111	x x	\$750 \$4,500	=	\$4,500 \$499,500
Appraisal Review -Simple -Detailed	4 5	x x	\$500 \$2,000	=	\$2,000 \$10,000
Negotiations	117	Х	\$1,100	=	\$128,700
Relocations -Personal Property -Residential -Commercial/Farm/*NPO	0 84 6	x x x	\$1,500 \$5,200 \$5,600	= = =	\$0 \$436,800 \$33,600
Closings	117	Х	\$400	=	\$46,800
Project Management	117	Х	\$550	=	\$64,350
Asbestos Testing & Abatement		Х		=	
		Tota	al Labor Costs		\$1,273,050
*NPO = Non-Profit Organization					

		Att	ributes					
	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates		
	\$3,711,995.98	97	69	28	63	Estimate the total number of acres involved in the		
	\$4,059,137.95	17	9	8	7	project and allocate those acres into the four		
	\$0.00	0	0	0	0	categories shown.		
	\$2,780.45	3	1	2	1	Assign an average unit price for each category. These unit prices are typically taken from the auditors		
	Total Non Labor RAP Costs	Estima	te amount of time all RAP parcels	-		tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base unit prices on a project sales data book instead of tax		
	\$2,120,000 \$364,250		e number of year uisition begins =		ct wide R/W 3.5	card data. Add structure values from the auditors tax cards on if the structures are taken.		
	\$50,000 \$100,000	with experience in before & After analysis. This						
	\$0					Major Projects) and requires some knowledge of the impacts of the project on structures.		
	2740304.819		placement Hous nt Supplemental		/ment			
	\$13,148,469.20		n-Profit Organiza	•		complexity of the move process. All move estimat that involve a business or a mulit-tenant residentia		
						structure should use the services of a relocation		
This R/W Cost Estimate Prepared by			y	Date	Assistance professionnal to accurately gauge costs.			
		Chris Clemons		8/4/2010 Instructions for Labor Cost Estin Labor costs are a function of time, dist				
	This R/W Cost Estin	mate was per	formed at Step		6	talent. Labor costs estimates should reflect the complexity of the project and the talent necessary to		
	of the PDP for	MAJOR	Projects using			acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimated		
						to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.		
Total Labor Costs \$1,27					73,050.00	Comments		
			\$13,1	48,469.20	Cost/Unit were generated from auditors tax card data. Changed "Agriculture" category to "Other" to include Goebel Park and other properties that do not fit the			
			\$1,18	32,564.57	main categories.			
Total R/W Costs \$15,6				\$15,6	04,083.77			

Attributes					
Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates
\$3,711,995.98	97	69	28	63	Estimate the total number of acres involved in the
\$4,059,137.95	17	9	9 8 7 proj	project and allocate those acres into the four	
\$0.00	0	0	0	0	categories shown.
\$2,780.45	3	1	2	1	Assign an average unit price for each category. These unit prices are typically taken from the auditors
Total Non Labor RAP Costs	Estimat	te amount of time all RAP parcels	-	to relocate 24	tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base unit prices on a project sales data book instead of tax card data.
\$2,120,000 \$364,250		e number of year uisition begins =		t wide R/W 3.5	Add structure values from the auditors tax cards only if the structures are taken.
\$50,000 \$100,000 \$0					Damages must be assessed by a pre-qualified expert with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6 on Major Projects) and requires some knowledge of the impacts of the project on structures.
2740304.819		placement Housi			Relocation Cost Estimates must consider the
\$13,148,469.20		nt Supplemental n-Profit Organiza		complexity of the move process. All move estimates that involve a business or a mulit-tenant residential structure should use the services of a relocation	
This R/W Cost Estimate Prepared by			y	Date	Assistance professionnal to accurately gauge costs.
Chris Clemons			8/4/2010		Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and
This R/W Cost Estir	nate was per	formed at Step		6 talent. Labor costs estimates should	
of the PDP for	MAJOR	Projects using			complexity of the project and the talent necessary to acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimated
			to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.		
	Tot	al Labor Costs	\$1,27	3,050.00	Comments
1	rotal Non La	bor R/W Costs	\$13,14	48,469.20	Cost/Unit were generated from auditors tax card data. Changed "Agriculture" category to "Other" to include Goebel Park and other properties that do not fit the
Inflation Adjustments \$1,18			\$1,18	32,564.57 main categories.	
Total R/W Costs \$15,				04,083.77	

Estimate Alt E KY cont 8

Estimated Cost: \$40,553,981.01 Contingency: 65.50% Estimated Total: \$67,116,838.57

Base Date: 01/01/15 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt E KY cont 8			PB A	mericas, Inc.
	uantity	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Group 0001: Pavement Removal				
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	0.00	SY	\$8.00000	\$0.00
PAVEMENT REMOVED			Total for Group 0001:	\$0.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$30.00000	\$0.00
			Total for Group 0002:	\$0.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0344 203E10000 EXCAVATION	0.00	CY	\$8.00000	\$0.00
EXONVITION			Total for Group 0003:	\$0.00
Group 0004: Excavation - Hazardou	JS			
0006 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0004:	\$0.00
Group 0005: Fill - Embankment (inc	ludes	wasting excess ex	(cavation)	
0007 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0345 203E20000	0.00	CY	\$6.00000	\$0.00
EMBANKMENT			Total for Group 0005:	\$0.00
Group 0006: Fill - Lime Modified So	il			
0010 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0346 205E10050	0.00	CY	\$7.00000	\$0.00
LIME STABILIZED EMBANKMENT 0347 205E10300	0.00	TON	\$5.00000	\$0.00
LIME			Total for Group 0006:	\$0.00
Group 0007: Fill - Borrow				
0011 A-MC-RDWY	0.00	CY	\$8.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0007:	\$0.00
Group 0008: Concrete Perrier				-
Group 0008: Concrete Barrier	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0465 622E10060	0.00		\$110.00000	\$0.00
7:35:50AM Thursday, December 02, 2010				Page 2 of 11

Estimate: Alt E KY cont 8			PB A	Americas, Inc.
	<u>uantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE, TY	PE B			
			Total for Group 0008:	\$0.00
Group 0009: Subgrade Treatment -	Lime			
0014 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000	0.00	HOUR	\$4.00000	\$0.00
TEST ROLLING			Total for Group 0009:	\$0.00
Croup 0010: Subarada Traatmant	Come	nt		
Group 0010: Subgrade Treatment - 0016 A-MC-RDWY	0.00		\$2.50000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0010:	
				φ0.00
Group 0011: Subgrade Treatment -	Unde	rcut & E	Backfill	
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
			Total for Group 0011:	\$0.00
Group 0012: Other Roadway Costs				
0019 A-OC-RDWY	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, ROADWAY Contingency				
0020 201E11000 CLEARING AND GRUBBING	0.00	LS	\$856,500.00000	\$0.00
0021 201E21800 TREE REMOVED, 18" SIZE	0.00	EACH	\$250.00000	\$0.00
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0034 204E45000	0.00	HOUR	\$126.59000	\$0.00
PROOF ROLLING 0035 204E10000	0.00	SY	\$0.81000	\$0.00
SUBGRADE COMPACTION 0037 606E13000	0.00	FT	\$14.00000	\$0.00
GUARDRAIL, TYPE 5 0466	0.00		\$0.00000	\$0.00
			Total for Group 0012:	\$0.00
Group 0014: Seeding & Mulching / S	Soddir	าต		
0045 B-MC-ERCO MAJOR COST DRIVERS, EROSION CONT	1.00	•	\$0.00000	\$0.00
7:35:50AM Thursday, December 02, 2010				Page 3 of 11

Estimate: Alt E KY cont 8			PB A	mericas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
0467 659E10000 SEEDING AND MULCHING	0.00	SY	\$1.00000	\$0.00
0531 660E25000 SODDING STAKED	0.00	SY	\$15.00000	\$0.00
SODDING STAKED			Total for Group 0014:	\$0.00
Group 0015: Rock Channel Pr	otection			
0047 B-MC-ERCO MAJOR COST DRIVERS, EROSION	1.00 CONTROL	LS	\$0.00000	\$0.00
0469 601E32000 ROCK CHANNEL PROTECTION, T	0.00		\$75.00000	\$0.00
ROCK CHANNEL PROTECTION, T		TER	Total for Group 0015:	\$0.00
Group 0016: Erosion Control -	Item 832			
0048 B-MC-ERCO MAJOR COST DRIVERS, EROSION	1.00 CONTROL	LS	\$0.00000	\$0.00
0470 832E10000 STORM WATER POLLUTION PREV	1.00	LS	\$20,000.00000	\$20,000.00
0471 832E20000 EROSION CONTROL	2,000.00	EACH	\$1.00000	\$2,000.00
			Total for Group 0016: \$22,0	00.00
Croup 0018: Underdreine				
Group 0018: Underdrains 0059 C-MC-DRNG	1.00	IS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAG 0062 605E05100		FT	\$8.00000	\$0.00
4" SHALLOW PIPE UNDERDRAINS				
			Total for Group 0018:	\$0.00
Group 0019: Culverts - Type A	N: < 5'			
0474 C-MC-DRNG MAJOR COST DRIVERS, DRAINAG	0.00	LS	\$0.00000	\$0.00
0480 C-MC-DRNG	0.00	FT	\$350.00000	\$0.00
MAJOR COST DRIVERS, DRAINAG Pipe Structures - Reinforced Concre		ı		
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAG		EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Group 0019:	\$0.00
				ψυιυυ
Group 0021: Culverts, Type A				
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAG	1.00 E	LS	\$0.00000	\$0.00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAG Pipe Structures - Reinforced Concre	0.00 iE		\$550.00000	\$0.00
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAG Concrete - Headwalls/wingwalls	0.00	EACH	\$1,500.00000	\$0.00
			Total for Group 0021:	\$0.00

Estimate: Alt E KY cont 8				PB A	mericas, Inc.
	<u>uantity</u>	<u>Units</u>	<u>Unit Price</u>		Extension
<u>Description</u> Supplemental Description					
Group 0022: Culverts, Type A: 10' -	20'				
0486 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000		\$0.00
0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete Pipe	0.00	FT	\$1,400.00000		\$0.00
0488 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete Masonry	0.00	EACH	\$1,500.00000		\$0.00
Concrete Masonry			Total for	r Group 0022:	\$0.00
Group 0024: BMP's					
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000		\$0.00
			Total for	r Group 0024:	\$0.00
Group 0025: Closed Storm System					
0077 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000		\$0.00
0489 603E13400 30" CONDUIT, TYPE B (Average size)	0.00	FT	\$75.00000		\$0.00
0523 604E00800 CATCH BASIN, NO. 3A	0.00	EACH	\$1,500.00000		\$0.00
0524 604E31500 MANHOLE, NO. 3	0.00	EACH	\$3,000.00000		\$0.00
0525 604E36601 PRECAST REINFORCED CONCRETE OUT	0.00 TET AS	EACH SPER PLAN	\$0.00000		\$0.00
0526 Special Pump Station (Storm)	0.00		\$6,400,000.00000		\$0.00
0527 Special Stormceptors	0.00	EACH	\$5,750.00000		\$0.00
0529 Special Retention basin improvements	0.00	LS	\$10,900.00000		\$0.00
			Total for	r Group 0025:	\$0.00
Group 0026: Other Drainage Costs					
0078 C-OC-DRNG OTHER COSTS, DRAINAGE	1.00	LS	\$0.00000		\$0.00
OTHER COSTS, DRAINAGE			Total for	r Group 0026:	\$0.00
Group 0027: Mainline - Travel Lane	S				
0095 D-MC-PVMT	1.00	LS	\$0.00000		\$0.00
MAJOR COST DRIVERS, PAVEMENT 0494 D-MC-PVMT	0.00	SY	\$68.00000		\$0.00
13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Compare	ction		Total for	r Group 0027:	\$0.00
Crown 0029, Mainling Outside Obs	سامامح		-		•
Group 0028: Mainline - Outside Sho	1.00	LS	\$0.00000		\$0.00
MAJOR COST DRIVERS, PAVEMENT					
7:35:50AM Thursday, December 02, 2010				F	age 5 of 11

Estimate: Alt E KY cont 8			PB A	mericas, Inc.
Line # Item Number Qu Description Supplemental Description	<u>iantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0495 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Compac	0.00	SY	\$59.00000	\$0.00
			Total for Group 0028:	\$0.00
Group 0030: Mainline - Inside Shoul			* 0.0000	¢0.00
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Compac	0.00 tion	SY	\$59.00000	\$0.00
			Total for Group 0030:	\$0.00
Group 0031: Ramps (including shou				
0122 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0497 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Compac	0.00 tion	SY	\$68.00000	\$0.00
			Total for Group 0031:	\$0.00
Group 0032: Non - Mainline Lanes				
0132 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0498 D-MC-PVMT Asphalt Includes 3" 448, 9" 301, 6" Agg base and Sul	0.00 barade (\$40.00000	\$0.00
	9		Total for Group 0032:	\$0.00
Group 0041: Other Pavement Costs				
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
			Total for Group 0041:	\$0.00
Group 0042: Water Works 0164 E-MC-WATR	0.00	18	\$0.00000	\$0.00
MAJOR COST DRIVERS, WATER LINE			·	
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Group 0042:	\$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY SEWE	0.00 R	LS	\$0.00000	\$0.00
			Total for Group 0043:	\$0.00
Group 0044: Lighting - Full Interchar	•			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG 7:35:50AM	0.00	EACH	\$469,000.00000	\$0.00
Thursday, December 02, 2010			F	Page 6 of 11

Estimate: Alt E KY cont 8 <u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	Quantity	<u>Units</u>	Unit Price	PB Americas, Inc. <u>Extension</u>
MAJOR COST DRIVERS, LIGHTING			Total for Group 004	44: \$0.00
Group 0045: Lighting - Partial Inte	erchange	9		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 004	45: \$0.00
Group 0046: Lighting - Continuou	is Roadv	vay		
0176 G-MC-LTNG	1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING 0500 G-MC-LTNG	3,492.00	FT	\$35.00000	\$122,220.00
Lighting - Continuous			Total for Group 0046: \$12	22,220.00
Group 0047: Other Lighting Costs	3			
0177 G-OC-LTNG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, LIGHTING			Total for Group 004	47: \$0.00
Croup 0049: Troffic Surveillence			·	·
Group 0048: Traffic Surveillance	1.00	LS	\$309,731.25000	\$309,731.25
OTHER COSTS, TRAFFIC SURVEILLAN	NCE		Total for Group 0048: \$30	
				59,751.25
Group 0049: Signs 0179 J-MC-TRAF	1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CON 0501 J-MC-TRAF	NTROL	MILE	\$250,000.00000	\$165,000.00
Signs	0.00			
			Total for Group 0049: \$16	5,000.00
Group 0050: Pavement Marking			•• ••••	4
0200 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC COM			\$0.00000	\$0.00
0502 644E00100 EDGE LINE	1.32		\$3,000.00000	\$3,960.00
0503 644E00200 LANE LINE	0.99	MILE	\$2,000.00000	\$1,980.00
			Total for Group 0050: S	\$5,940.00
Group 0051: Other Traffic Contro	I Costs			
0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL	1.00	LS	\$0.00000	\$0.00
			Total for Group 005	51: \$0.00
Group 0052: Signals - Intersectio	ns			
0212 K-MC-SGNL	1.00	LS	\$0.00000	\$0.00
7:35:50AM				

Estimate: Alt E KY cont 8			PB A	mericas, Inc.
	uantity	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
MAJOR COST DRIVERS, SIGNALS				•
			Total for Group 0052:	\$0.00
Group 0053: Other Traffic Signal Co	osts			
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
,			Total for Group 0053:	\$0.00
Group 0054: Landscaping				
0214 L-MC-LSCP	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, LANDSCAPING 0215 L-OC-LSCP	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, LANDSCAPING			Total for Group 0054:	\$0.00
Group 0055: Retaining Walls \$125	+ \$10/	ft for car	s barriers and testing	
0216 M-MC-WALL	1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, RETAINING WAL 0504 M-MC-WALL	LS 0.00	SF	\$135.00000	\$0.00
Retaining Walls			Total for Group 0055:	\$0.00
Crown 0050: Other Dataining Wall				•
Group 0056: Other Retaining Wall (0217 M-OC-WALL	-0SIS 1.00	LS	\$0.00000	\$0.00
OTHER COSTS, RETAINING WALLS			Total for Group 0056:	
				φ0.00
Group 0057: Building Demolition	4.00		A 2 2222	* •••••
0218 N-MC-DEMO MAJOR COST DRIVERS, BUILDING DEMO		LS	\$0.00000	\$0.00
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITION	1.00	LS	\$0.00000	\$0.00
0538 202E56101 BUILDING DEMOLISHED, AS PER PLAN	0.00	EACH	\$30,000.00000	\$0.00
Large Commercial 0539 202E56101	0.00	EACH	\$15,000.00000	\$0.00
BUILDING DEMOLISHED, AS PER PLAN Small Commercial				
0540 202E56101 BUILDING DEMOLISHED, AS PER PLAN	0.00	EACH	\$12,000.00000	\$0.00
Large Residential 0541 202E56101	0.00	EACH	\$7,500.00000	\$0.00
BUILDING DEMOLISHED, AS PER PLAN Small Residential				
0542 202E98100 REMOVAL MISC.:	0.00	EACH	\$8,500.00000	\$0.00
Radio Tower			Total for Group 0057:	\$0.00
				ψ0.00
Group 0058: Noise Barrier 0220 P-MC-NSBR	1.00	19	\$0.00000	ድር ርር
7:35:50AM	1.00	LU		\$0.00
Thursday December 02 2010			ŗ	Page 8 of 11

Estimate: Alt E KY cont 8				PB Americas, Inc.
Line # Item Number 0 Description	Quantity	<u>Units</u>	Unit Price	<u>Extension</u>
Supplemental Description				
MAJOR COST DRIVERS, NOISE BARRIER 0505 P-MC-NSBR	R 0.00	LS	\$400.00000	\$0.00
Noise Barrier			Total for Gro	oup 0058: \$0.00
One we append the set blairs Demiser O	1 -			•
Group 0059: Other Noise Barrier C 0221 P-OC-NSBR	OSIS 1.00	10	\$0.00000	00.0 2
OTHER COSTS, NOISE BARRIER			·	\$0.00
0368 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIEI	0.00 २	LS	\$0.00000	\$0.00
			Total for Gro	oup 0059: \$0.00
Group 0060: New Structures				
0222 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	1.00	LS	\$0.00000	\$0.00
0506 R-MC-STRC Tier 1 Structures to 25' Height	0.00	SF	\$125.00000	\$0.00
0507 R-MC-STRC	0.00	SF	\$12.00000	\$0.00
Removal of Existing Structures non-comple 0508 R-MC-STRC	0.00		\$17.00000	\$0.00
Standard Removal of Existing Structures at 0509 R-MC-STRC	ove aver 0.00		ex \$30.00000	\$0.00
Removal of Existing Structures complex to 0513 R-MC-STRC	very comp 0.00		\$150.00000	\$0.00
Tier 2 Structures 25' to 50' Height		-		
0516 R-MC-STRC Tier 3 Structures 50' to 75' Height	0.00	SF	\$200.00000	\$0.00
			Total for Gro	oup 0060: \$0.00
Group 0061: Rehabilitated Structur	es			
0223 R-MC-STRC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES 0533 511E34434 170 CLASS S CONCRETE, BRIDGE DECK	0,177.00	SF	\$35.00000	\$5,956,195.00
new bridge deck on existing beams 0535 514E99000	1.00	LS	\$22,000,000.00000	\$22,000,000.00
SPECIAL - BRIDGE PAINTING 0536	1.00	LS	\$1,000,000.00000	\$1,000,000.00
Structural repair/rehabilitation				
0537 202E11301 170 PORTIONS OF STRUCTURE REMOVED, Briodge deck removal	0,177.00 AS PER I		\$10.00000	\$1,701,770.00
			Total for Group 0061:	\$30,657,965.00
Group 0062: Other Structure Costs	1			
0224 R-OC-STRC	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, STRUCTURES Contingency				
0534	0.00		\$0.00000	\$0.00
			i otal for Gr	oup 0062: \$0.00

Group 0063: Temporary Road and Pavement Costs

Estimate: Alt E KY cont 8 PB	Americas, Inc.
Line # Item Number Quantity Units Unit Price	Extension
Description Supplemental Description	
0225 S-MC-MNTC 1.00 LS \$0.00000 MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00
Total for Group 0063	\$0.00
Group 0064: Portable Concrete Barrier (PCB)	
0226 S-MC-MNTC 1.00 LS \$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC Total for Group 0064	\$0.00
Group 0065: Impact Attenuators 0227 S-MC-MNTC 1.00 LS \$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	
Total for Group 0065	\$0.00
Group 0066: Sheeting	
0229 S-MC-MNTC 1.00 LS \$0.00000 MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00
Total for Group 0066	\$0.00
Group 0067: Temporary Signals	
0230 S-MC-MNTC 0.00 LS \$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC Total for Group 0067	\$0.00
Croup 0068: Work Zong Lighting	
Group 0068: Work Zone Lighting 0231 S-MC-MNTC 0.00 LS \$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	
Total for Group 0068	. \$0.00
Group 0069: Innovative Contracting Incentatives	
0232 S-MC-MNTC 0.00 LS \$0.00000 MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00
Total for Group 0069	\$0.00
Group 0070: Other MOT Costs	
0233 S-OC-MNTC 1.00 LS \$0.00000	\$0.00
OTHER COSTS, MAINTENANCE OF TRAFFIC 0512 S-OC-MNTC 0.00 MILE \$5,000,000.00000	\$0.00
OTHER COSTS, MAINTENANCE OF TRAFFIC Total for Group 0070	\$0.00
Group 0071: Wetland Construction 0234 T-MC-WTLD 0.00 LS \$0.00000	\$0.00
MAJOR COST DRIVERS, WETLAND CONSTRUCTION 0360 T-MC-WTLD 0.00 LS \$0.00000	\$0.00
MAJOR COST DRIVERS, WETLAND CONSTRUCTION	
Total for Group 0071	. ΦΟ.ΟΟ

Line # Item Number	Quantity Units	Unit Price	Extension
Description			
Supplemental Description			

Group 0072: Misc. Costs

0235 U-MC-MISC MAJOR COST DRIVERS, MISCELLANEOU	0.00 S COST	-	\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOUS COSTS	0.00 S	LS	\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILROADS' PR LIABILITY INSURANCE	0.00 OTECTI	-	\$10,000.00000 C LIABILITY AND PROPERTY DAMAGE	\$0.00
0238 623E10000 CONSTRUCTION LAYOUT STAKES 0.5%	1.00	LS	\$156,414.28000	\$156,414.28
0239 614E11000 MAINTAINING TRAFFIC 2%	0.00	LS	\$0.00000	\$0.00
0240 619E16020 FIELD OFFICE, TYPE C	19.00	MNTH	\$2,500.00000	\$47,500.00
0242 624E10000 MOBILIZATION	1.00	LS	\$800,000.00000	\$800,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERFORMAN 0.5%	1.00 CE BON		\$156,414.28000 OR PAYMENT BOND	\$156,414.28
			Total for Group 0072: \$1	,160,328.56

Group 0073: Design Contingency Costs

•	0	0	•			
0243	V-MC-CNTG		1.00	LS	\$0.00000	\$0.00
MAJ	JOR COST DRIVI	ERS, CONTING	SENCY COSTS			
0244	V-OC-CNTG		1.00	LS	\$8,110,796.20000	\$8,110,796.20
OTH	IER COSTS, CO	NTINGENCY C	OSTS			
25%	/ D					
					Total for Group 0073	3: \$8,110,796.20
						$\psi_{0,110,100.20}$

Group 0074: Inflation Contingency

0266 V-OC-CNTG	0.00 LS	\$0.00000	\$0.00
		φ0.00000	φ0.00
OTHER COSTS, CONTINGENCY COST	5		•
		Total for Group 0	074: \$0.00

Estimate Alt E OH cont 2

Estimated Cost: \$12,341,802.99 Contingency: 29.20%

Estimated Total: \$15,945,609.46

Linn St Bridge Replacement and Gest St Reconstruction Base Date: 07/22/10 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: District: 8 Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt E OH cont 2			I	PB Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
Group 0001: Pavement Remova				
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	15,372.00	SY	\$8.00000	\$122,976.00
			Total for Group 0001: \$12	22,976.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$30.00000	\$0.00
			Total for Group 000	02: \$0.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0344 203E10000	9,087.00	CY	\$8.00000	\$72,696.00
EXCAVATION			Total for Group 0003: \$7	72,696.00
Croup 0004: Exposedion Hozor	daua			
Group 0004: Excavation - Hazar	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 000	∩4· \$∩ ∩∩
				μ. φυ.υυ
Group 0005: Fill - Embankment (0007 A-MC-RDWY		v	,	00.02
MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0345 203E20000 EMBANKMENT	9,087.00	CY	\$6.00000	\$54,522.00
			Total for Group 0005: \$	54,522.00
Group 0006: Fill - Lime Modified	Soil			
0010 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0346 205E10050 LIME STABILIZED EMBANKMENT	0.00	CY	\$7.00000	\$0.00
0347 205E10300 LIME	0.00	TON	\$5.00000	\$0.00
			Total for Group 000	06: \$0.00
Group 0007: Fill - Borrow				
0011 A-MC-RDWY	0.00	CY	\$8.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 000	07: \$0.00
Group 0008: Concrete Barrier				
0012 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0465 622E10060	0.00	FT	\$110.00000	\$0.00
2:57:02PM Wednesday, December 01, 2010				Page 2 of 12

Estimate: Alt E OH cont 2			PB	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE,	TYPE B			
			Total for Group 0008	\$0.00
Group 0009: Subgrade Treatment	- Lime			
0014 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0348 206E10000	0.00	SY	\$1.85000	\$0.00
LIME STABILIZED SUBGRADE 0349 206E10300	0.00	TON	\$10.00000	\$0.00
LIME 0350 206E11000	0.00	SY	\$1.00000	\$0.00
CURING COAT			·	
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
			Total for Group 0009	\$0.00
Group 0010: Subgrade Treatment	- Ceme	ent		
0016 A-MC-RDWY	13,837.00		\$2.50000	\$34,592.50
MAJOR COST DRIVERS, ROADWAY			Total for Group 0010: \$34	592 50
			•	,002.00
Group 0011: Subgrade Treatment				*• • • •
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
			Total for Group 0011	\$0.00
Group 0012: Other Roadway Cost	S			
0019 A-OC-RDWY	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, ROADWAY Contingency				
0020 201E11000 CLEARING AND GRUBBING	0.00	LS	\$2,200.00000	\$0.00
0021 201E21800 TREE REMOVED, 18" SIZE	0.00	EACH	\$250.00000	\$0.00
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800	0.00	EACH	\$772.00000	\$0.00
TREE REMOVED, 48" SIZE 0026 202E11000	0.00	LS	\$9,310.13000	\$0.00
STRUCTURE REMOVED 0028 202E35200	0.00	FT	\$0.00000	\$0.00
PIPE REMOVED, OVER 24" 0029 202E38000	0.00	FT	\$0.00000	\$0.00
GUARDRAIL REMOVED 0030 202E42206	0.00	EACH	\$0.00000	\$0.00
ANCHOR ASSEMBLY REMOVED				
0031 202E58000 MANHOLE REMOVED	0.00	EACH	\$0.00000	\$0.00
0032 202E58100 CATCH BASIN REMOVED	0.00	EACH	\$0.00000	\$0.00
0033 202E75000 FENCE REMOVED	0.00	FT	\$0.00000	\$0.00
0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

Estimate: Alt E	OH cont 2
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Estimate: Alt E OH cont 2				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
PROOF ROLLING				
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF JO	0.00 NT TYPE A	FT	\$0.00000	\$0.00
0037 606E13000 GUARDRAIL, TYPE 5	0.00	FT	\$14.00000	\$0.00
0038 606E22000	0.00	EACH	\$1,411.29597	\$0.00
ANCHOR ASSEMBLY, TYPE B-98 0039 606E22010	0.00	EACH	\$1,712.52574	\$0.00
ANCHOR ASSEMBLY, TYPE E-98 0040 606E26500	0.00	EACH	\$487.23435	\$0.00
ANCHOR ASSEMBLY, TYPE T 0041 606E35000	0.00	EACH	\$969.12750	\$0.00
BRIDGE TERMINAL ASSEMBLY, 0042 606E35100	0.00	EACH	\$338.36354	\$0.00
BRIDGE TERMINAL ASSEMBLY, 0043 606E60010		EACH	\$3,439.05897	\$0.00
IMPACT ATTENUATOR, TYPE 1-9 0044 607E15000	98 (BIDIRECTION 0.00		\$0.00000	\$0.00
FENCE, TYPE 47 For Fencing	0.00	ГТ	φ0.00000	\$0.00
0423 304E20000	0.00	CY	\$0.00000	\$0.00
AGGREGATE BASE For Fencing				
0424 601E32100 ROCK CHANNEL PROTECTION, ⁻	0.00 TYPE B WITH FIL	-	\$0.00000	\$0.00
For Fencing 0425 607E40500	0.00	EACH	\$731.31641	\$0.00
GATE, TYPE 47 For Fencing	0.00	LAGIT	ψ/31.310 4 1	\$0.00
0426 625E32000 GROUND ROD	0.00	EACH	\$0.00000	\$0.00
For Fencing				
0466	0.00		\$0.00000 Total for Group 0	\$0.00 012: \$0.00
				012. 00.00
Group 0014: Seeding & Mulc	hing / Soddir	ng		
0045 B-MC-ERCO MAJOR COST DRIVERS, EROSIC	1.00 N CONTROL	LS	\$0.00000	\$0.00
0467 659E10000 SEEDING AND MULCHING	2,746.00	SY	\$1.00000	\$2,746.00
0531 660E25000 SODDING STAKED	0.00	SY	\$15.00000	\$0.00
SODDING STAKED			Total for Group 0014:	\$2,746.00
Oraun 0015: Deak Channel F)rata ati an		· · · · · ·	
Group 0015: Rock Channel F 0047 B-MC-ERCO	1.00 ²	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSIC 0469 601E32000			\$75.00000	\$0.00
ROCK CHANNEL PROTECTION,				
			Total for Group 0	015: \$0.00
Group 0016: Erosion Control	- Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
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				1 490 1 01 12

Estimate: Alt E OH cont 2				PB A	mericas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price		Extension
<u>Description</u> Supplemental Description					
MAJOR COST DRIVERS, EROSION CO					• • • • • • • • •
0470 832E10000 STORM WATER POLLUTION PREVENT	1.00 FION PLAN	LS	\$20,000.00000		\$20,000.00
0471 832E20000 EROSION CONTROL	6,000.00	EACH	\$1.00000		\$6,000.00
			Total for Gro	oup 0016: \$26,0	00.00
Group 0017: Other Erosion Contr	ol Costs				
0049 670E00700	0.00	SY	\$0.00000		\$0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000		\$0.00
OTHER COSTS, EROSION CONTROL 0051 659E00100	0.00	EACH	\$0.00000		\$0.00
SOIL ANALYSIS TEST 0052 659E00300	0.00	CY	\$0.00000		\$0.00
TOPSOIL 0053 659E14000	0.00	SY	\$0.00000		\$0.00
REPAIR SEEDING AND MULCHING 0054 659E15000	0.00	SY	\$0.71000		\$0.00
INTER-SEEDING 0055 659E20000	0.00	TON	\$410.06813		\$0.00
COMMERCIAL FERTILIZER 0056 659E31000		ACRE	\$0.00000		\$0.00
LIME					
0057 659E35000 WATER	0.00	MGAL	\$5.00000		\$0.00
0058 659E40000 MOWING	0.00	MSF	\$0.00000		\$0.00
			Total fo	or Group 0017:	\$0.00
Group 0018: Underdrains					
0059 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000		\$0.00
0062 605E05100	4,644.00	FT	\$8.00000		\$37,152.00
4" SHALLOW PIPE UNDERDRAINS			Total for Gro	oup 0018: \$37,1	152.00
Group 0019: Culverts - Type A: <	5'				
0474 C-MC-DRNG	0.00	LS	\$0.00000		\$0.00
MAJOR COST DRIVERS, DRAINAGE 0480 C-MC-DRNG	0.00	FT	\$350.00000		\$0.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete Pi					
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE		EACH	\$1,500.00000		\$0.00
Concrete Masonry					* 0.00
			I OTAL TO	or Group 0019:	Ф О.00
Group 0021: Culverts, Type A: 5'					
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000		\$0.00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000		\$0.00
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Estimate: Alt E OH cont 2			PB /	Americas, Inc.
<u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
Pipe Structures - Reinforced Concrete 5 0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		78" EACH	\$1,500.00000	\$0.00
			Total for Group 0021:	\$0.00
Group 0022: Culverts, Type A: 1	0' - 20'			
0486 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$1,400.00000	\$0.00
Pipe Structures - Reinforced Concrete P 0488 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00 0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Group 0022:	\$0.00
Group 0024: BMP's			•	
0076 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			Total for Group 0024:	\$0.00
				,
Group 0025: Closed Storm Syste	em 1.00	19	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0489 603E13400	1,647.00	FT	\$75.00000	\$0.00
30" CONDUIT, TYPE B (Average size)				
0523 604E00800 CATCH BASIN, NO. 3A		EACH	\$1,500.00000	\$31,500.00
0524 604E31500 MANHOLE, NO. 3	3.00	EACH	\$3,000.00000	\$9,000.00
0525 0526 Special	0.00 0.00	LS	\$0.00000 \$6,400,000.00000	\$0.00 \$0.00
Pump Station (Storm) 0527 Special	0.00	EACH	\$5,750.00000	\$0.00
Stormceptors 0529 Special	0.00		\$109,000.00000	\$0.00
Retention basin improvements	0.00	LO		
			Total for Group 0025: \$164,	025.00
Group 0026: Other Drainage Cos	sts			
0078 C-OC-DRNG OTHER COSTS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group 0026:	\$0.00
Group 0027: Mainline - Travel La	anes			
0095 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0494 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg Pase and Subgrade Co	0.00	SY	\$68.00000	\$0.00
Includes 6" Agg Base and Subgrade Co	πρασιισπ			

Estimate: Alt E OH cont 2			PB A	mericas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
			Total for Group 0027:	\$0.00
				T
Group 0028: Mainline - Outsic			# 0.0000	¢0.00
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEME			\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade	0.00	SY	\$68.00000	\$0.00
includes of Agy base and Subgrade	Compaction		Total for Group 0028:	\$0.00
Group 0030: Mainline - Inside	Shoulder			
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEME	1.00 NT	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement	0.00	SY	\$68.00000	\$0.00
Includes 6" Agg base and Subgrade	Compaction		Total for Group 0030:	\$0.00
Group 0031: Ramps (including	g shoulders))		
0122 D-MC-PVMT	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEME 0497 D-MC-PVMT 13" Reinforced Concrete Pavement	0.00	SY	\$68.00000	\$0.00
Includes 6" Agg base and Subgrade	Compaction		Total for Group 0031:	\$0.00
Group 0032: Non - Mainline L	anes			
0132 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEME 0498 D-MC-PVMT Asphalt	13,837.00	SY	\$41.00000	\$567,317.00
Includes 3" 448, 9" 301, 6" Agg base	e and Subgrade	Compaction	Total for Group 0032: \$567,3	317.00
Group 0041: Other Pavement	Costs		•	
0163 D-OC-PVMT	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, PAVEMENT			Total for Group 0041:	\$0.00
				ψ0.00
Group 0042: Water Works				•
0164 E-MC-WATR MAJOR COST DRIVERS, WATER I	0.00 _INE	LS	\$0.00000	\$0.00
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Group 0042:	\$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITAR	0.00 Y SEWER	LS	\$0.00000	\$0.00
2:57:02PM			_	

Estimate: Alt E OH cont 2			PB A	mericas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
			Total for Group 0043:	\$0.00
				+ • • • • •
Group 0044: Lighting - Full Inte	-		#0.0000	\$ 0.00
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING			\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	EACH	\$469,000.00000	\$0.00
			Total for Group 0044:	\$0.00
Group 0045: Lighting - Partial I	nterchange	j		
0288 G-MC-LTNG	0.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING			Total for Group 0045:	\$0.00
				Q 0100
Group 0046: Lighting - Continu		•	A 2 2 2222	* •••••
0176 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING			\$0.00000	\$0.00
0500 G-MC-LTNG Lighting - Continuous	2,640.00	FT	\$35.00000	\$92,400.00
			Total for Group 0046: \$92,4	400.00
Group 0047: Other Lighting Co	osts			
0177 G-OC-LTNG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, LIGHTING			Total for Group 0047:	\$0.00
				+ • • • • •
Group 0048: Traffic Surveilland			\$ 0,00000	\$ 0.00
0178 H-OC-SURV OTHER COSTS, TRAFFIC SURVEIL	0.00 LANCE	LS	\$0.00000	\$0.00
			Total for Group 0048:	\$0.00
Group 0049: Signs				
0179 J-MC-TRAF		LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC (0501 J-MC-TRAF	0.50	MILE	\$250,000.00000	\$125,000.00
Signs 0532	0.00		\$0.00000	\$0.00
			Total for Group 0049: \$125,0	00.00
Group 0050: Pavement Markin	g			
0200 J-MC-TRAF		LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC (0502 644E00100	1.04	MILE	\$3,000.00000	\$3,120.00
EDGE LINE 0503 644E00200	1.09	MILE	\$2,000.00000	\$2,180.00
LANE LINE			Total for Group 0050: \$5,3	300.00

Estimate: Alt E OH cont 2				PB Americas, Inc.
<u>Line # Item Number</u> Que <u>Description</u> <u>Supplemental Description</u>	<u>uantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
Group 0051: Other Traffic Control C	osts			
0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL	1.00	LS	\$0.00000	\$0.00
			Total for Group (0051: \$0.00
Group 0052: Signals - Intersections				
0212 K-MC-SGNL MAJOR COST DRIVERS, SIGNALS	1.00	LS	\$175,000.00000	\$175,000.00
			Total for Group 0052: S	\$175,000.00
Group 0053: Other Traffic Signal Co	osts			
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
			Total for Group (0053: \$0.00
Group 0054: Landscaping				
0214 L-MC-LSCP MAJOR COST DRIVERS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
0215 L-OC-LSCP OTHER COSTS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
OTTIER COSTS, EANDSCAPING			Total for Group (0054: \$0.00
Group 0055: Retaining Walls \$125	⊦ \$10/	ft for ca	ps, barriers and testing	
0216 M-MC-WALL	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, RETAINING WAL 0504 M-MC-WALL 11, Retaining Walls	LS 840.00	SF	\$135.00000	\$1,598,400.00
			Total for Group 0055: \$1	,598,400.00
Group 0056: Other Retaining Wall C	costs			
0217 M-OC-WALL OTHER COSTS, RETAINING WALLS	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, RETAINING WALLS			Total for Group (0056: \$0.00
Group 0057: Building Demolition				
0218 N-MC-DEMO MAJOR COST DRIVERS, BUILDING DEMO	1.00	LS	\$0.00000	\$0.00
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITION	1.00	LS	\$0.00000	\$0.00
0534 202E98100 REMOVAL MISC.:	0.00	EACH	\$8,500.00000	\$0.00
Radio Tower 0535 202E56101	0.00	EACH	\$7,500.00000	\$0.00
BUILDING DEMOLISHED, AS PER PLAN Small Residential	0.00	ERON	ψι,000.00000	φ0.00
0536 202E56101 BUILDING DEMOLISHED, AS PER PLAN	0.00	EACH	\$15,000.00000	\$0.00
Small Commercial 0537 202E56101	0.00	EACH	\$12,000.00000	\$0.00
BUILDING DEMOLISHED, AS PER PLAN				
2:57:02PM				

Estimate: Alt E OH cont 2			PB /	Americas, Inc.
	antity	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Large Residential				41 1 1
0538 202E56101 BUILDING DEMOLISHED, AS PER PLAN	0.00	EACH	\$30,000.00000	\$0.00
Large Commercial			Total for Group 0057:	\$0.00
			· · · · · · · · · · · · · · · · · · ·	+ - - - -
Group 0058: Noise Barrier	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIER				
0505 P-MC-NSBR Noise Barrier	0.00	LS	\$25.00000	\$0.00
			Total for Group 0058:	\$0.00
Group 0059: Other Noise Barrier Cos	sts			
0221 P-OC-NSBR OTHER COSTS, NOISE BARRIER	1.00	LS	\$0.00000	\$0.00
0368 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIER	0.00	LS	\$0.00000	\$0.00
WAJOR COOT DRIVERO, NOICE DARRIER			Total for Group 0059:	\$0.00
Group 0060: New Structures				
0222 R-MC-STRC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES 0506 R-MC-STRC 40,3	64.00	SF	\$125.00000 \$	5,045,500.00
Tier 1 Structures to 25' Height 0507 R-MC-STRC	0.00	SF	\$12.00000	\$0.00
Removal of Existing Structures non-complex 0508 R-MC-STRC 57,4	59.00	SF	\$17.00000	\$976,803.00
Standard Removal of Existing Structures abov 0509 R-MC-STRC		age complex	\$30.00000	\$0.00
Removal of Existing Structures complex to ver 0513 R-MC-STRC		olex	\$150.00000	\$0.00
Tier 2 Structures 25' to 50' Height				
0516 R-MC-STRC Tier 3 Structures 50' to 75' Height	0.00	SF	\$200.00000	\$0.00
			Total for Group 0060: \$6,022,	303.00
Group 0061: Rehabilitated Structures	6			
0223 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	0.00	SF	\$45.00000	\$0.00
			Total for Group 0061:	\$0.00
Group 0062: Other Structure Costs				
0224 R-OC-STRC	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, STRUCTURES Contingency				
			Total for Group 0062:	\$0.00
Group 0063: Temporary Road and P	avem	nent Costs		
0225 S-MC-MNTC MAJOR COST DRIVERS, MAINTENANCE OI	1.00 = traf		\$0.00000	\$0.00
2:57:02PM	ΠΛΑΓ			
Wednesday, December 01, 2010			P	age 10 of 12

Estimate: Alt E OH cont 2	PB A	mericas, Inc.
<u>Line # Item Number</u> <u>Quantity</u> <u>Units</u> <u>Description</u> <u>Supplemental Description</u>	Unit Price	Extension
	Total for Group 0063:	\$0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
,	Total for Group 0064:	\$0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
,	Total for Group 0066:	\$0.00
Group 0067: Temporary Signals		
0230 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0068:	\$0.00
Crown 0060, Innovative Contracting Incontatives	· ·	
Group 0069: Innovative Contracting Incentatives 0232 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0069:	\$0.00
		ψ0.00
Group 0070: Other MOT Costs	#0.0000	\$ 0.00
0233 S-OC-MNTC 1.00 LS OTHER COSTS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
0512 S-OC-MNTC 0.50 MILE OTHER COSTS, MAINTENANCE OF TRAFFIC	\$500,000.00000	\$250,000.00
0533 0.00	\$0.00000 Total for Group 0070: \$250,0	0.00\$ 00.00
Crown 0074. Watland Construction	····· · · · · · · · · · · · · · · · ·	
Group 0071: Wetland Construction 0234 T-MC-WTLD 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, WETLAND CONSTRUCTION 0360 T-MC-WTLD 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, WETLAND CONSTRUCTION		
	Total for Group 0071:	ΦU.UU

Estimate: Alt E OH cont 2				PB Americas, Inc.
<u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
Group 0072: Misc. Costs				
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELI	0.00 ANEOUS COST		\$0.00000	\$0.00
0236 100E00300	0.00	LS	\$10,000.00000 C LIABILITY AND PROPERTY DAMA	\$0.00
0237 U-OC-MISC OTHER COSTS, MISCELLANEOUS	0.00 S COSTS	LS	\$0.00000	\$0.00
0238 623E10000 CONSTRUCTION LAYOUT STAKE 0.5%	1.00	LS	\$46,752.15000	\$46,752.15
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$187,008.59000	\$187,008.59
0240 619E16020 FIELD OFFICE, TYPE C	17.00	MNTH	\$2,500.00000	\$42,500.00
0242 624E10000 MOBILIZATION	1.00	LS	\$200,000.00000	\$200,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERF 0.5%	1.00 ORMANCE BON		\$46,752.15000 OR PAYMENT BOND	\$46,752.15
0.070			Total for Group 007	2: \$523,012.89
Group 0073: Design Continge	ency Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTIN	1.00	LS	\$0.00000	\$0.00
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY C 25%	1.00	LS	\$2,468,360.60000	\$2,468,360.60
			Total for Group 0073:	\$2,468,360.60
Group 0074: Inflation Conting	ency			
0266 V-OC-CNTG OTHER COSTS, CONTINGENCY (0.00	LS	\$0.00000	\$0.00
			Total for Gro	up 0074: \$0.00

PID	89056	County	HAM	Route	75	Section	1.04	This R/W Acquisition cost estimate
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Macro View												At	tributes			
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	=	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates
Residential	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	0	Estimate the total number of acres involved in the
Commercial	0.25	Х	\$330,153.78	\$82,538	+	0	+	N/A	\$0.00	=	\$82,538.45	3	0	3	0	project and allocate those acres into the four
-Industrial	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	0	categories shown.
-Agricultural	0	X	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	0	Assign an average unit price for each category. These unit prices are typically taken from the audito
Relocation	Unit (Displacement) x	*RHF	P/*RSP	+	Move Cost	+	Reestabli	shment	=	Total Non Labor RAP Costs	Estima	ite amount of tim all RAP parcel			tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must bas unit prices on a project sales data book instead of t
-Residential Owner Occupant Tenant	0	x x		4,000 0,000	+++	\$6,000 \$1,750				=	\$0 \$0		e number of year uisition begins =		ct wide R/W 1.75	card data. Add structure values from the auditors tax cards on if the structures are taken.
-Commerical/Farm/NPO Owner Tenant	0 0				x		+ \$10,000 = + \$10,000 =		\$0 \$0				Damages must be assessed by a pre-qualified exp with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6			
-Personal Property	0				Х	\$1,000				=	\$0					Major Projects) and requires some knowledge of th impacts of the project on structures.
{[(Total Cost of Acquisition Cost)		10]x0.025}+{[(Total of Acquisition Cost)x0.15]x1.20}+{[(Total of Acquisition Cost)x0.10]x1.50} = Contingency						Conting (Incidentals, Admin. Re Total Non Lab	view & Appropriation	on)	29094.80186*RHP - Replacement Housing Payment*RSP - Rent Supplemental Payment\$111,633.25*NPO - Non-Profit Organization		Relocation Cost Estimates must consider the complexity of the move process. All move estimate			
^{Macro View} Labor (External)	Unit (Parcels)	X		Price	=	Total Cost					This R/V	V Cost Estin	nate Prepared b	v	Date	structure should use the services of a relocation Assistance professionnal to accurately gauge costs
Titles	3	X	\$4	400	=	\$1,200								, 		
Appraisal -Simple -Detailed	0 3	x x		750 ,500	=	\$0 \$13,500					This R/W Cost Esti	Chris Cle mate was pe			8/4/2010 6	Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the
Appraisal Review -Simple -Detailed	0	X		500	=	\$0	_				of the PDP for	MAJOR	Projects using			complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estima
Negotiations	3	X		,000 ,100	=	\$6,000 \$3,300										to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment
Relocations -Personal Property	0	X	\$1	,500 ,200	=	\$0 \$0						-				alternative, the step in the PDP process and the person(s) performing the estimate.
-Residential		Ιv		,600	=	\$0	1					То	tal Labor Costs	\$26	6,850.00	Comments
	0	^					1				-	Total Non La	abor R/W Costs	\$11	1,633.25	Cost/Unit were generated from auditors tax card da
-Residential -Commercial/Farm/*NPO Closings	3	X	\$4	400	=	\$1,200								+ · ·	1,033.23	
-Residential -Commercial/Farm/*NPO Closings Project Management	-	X X X	\$4	400 550	=	\$1,200 \$1,650								•••	1,000.20	
-Residential	3	× × × ×	\$4 \$1	550	= =	\$1,650	-					Inflatio	on Adjustments		,447.48	
-Residential -Commercial/Farm/*NPO Closings Project Management	3	X X X X Tot	\$4	550	=		-						on Adjustments otal R/W Costs	\$8		

Macro View					
Labor (External)	Unit (Parcels)	Х	Unit Price	=	Total Cost
Titles	3	Х	\$400	=	\$1,200
Appraisal -Simple -Detailed	0 3	x x	\$750 \$4,500	=	\$0 \$13,500
Appraisal Review -Simple -Detailed	0 3	x x	\$500 \$2,000	=	\$0 \$6,000
Negotiations	3	Х	\$1,100	=	\$3,300
Relocations -Personal Property -Residential -Commercial/Farm/*NPO	0 0 0	x x x	\$1,500 \$5,200 \$5,600	= = =	\$0 \$0 \$0
Closings	3	Х	\$400	=	\$1,200
Project Management	3	Х	\$550	=	\$1,650
Asbestos Testing & Abatement		Х		=	
		Tota	al Labor Costs	-	\$26,850
*NPO = Non-Profit Organization					

	Att	ributes				
Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates	
\$0.00	0	0	0	0	Estimate the total number of acres involved in the	
\$82,538.45	3	0	3	0	project and allocate those acres into the four	
\$0.00	0	0	0	0	categories shown.	
\$0.00	0	0	0	0	Assign an average unit price for each category. These unit prices are typically taken from the auditors	
Total Non Labor RAP Costs	Estima	te amount of time all RAP parcels	-		tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base unit prices on a project sales data book instead of tax card data.	
\$0 \$0		e number of year uisition begins =		ct wide R/W 1.75	Add structure values from the auditors tax cards only if the structures are taken.	
\$0 \$0 \$0					Damages must be assessed by a pre-qualified expert with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6 on Major Projects) and requires some knowledge of the impacts of the project on structures.	
29094.80186 \$111,633.25	*RSP - Re	placement Hous nt Supplemental n-Profit Organiza	Payment	Relocation Cost Estimates must consider the complexity of the move process. All move estimates		
This R/M	/ Cost Estim	ate Prepared b	у	Date	structure should use the services of a relocation Assistance professionnal to accurately gauge costs.	
	Chris Cle	mons	Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and			
This R/W Cost Estir	nate was per	formed at Step		6	talent. Labor costs estimates should reflect the complexity of the project and the talent necessary to	
of the PDP for	MAJOR	Projects using			acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimated to reflect local labor costs. It is critical that the	
					estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.	
	Tot	al Labor Costs	\$26	,850.00	Comments	
1	Fotal Non La	bor R/W Costs	\$111	Cost/Unit were generated from auditors tax card c		
	Inflatio	n Adjustments	\$8,	447.48		
	Т	otal R/W Costs	\$146	6,930.73		

	Att	ributes			
Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates
\$0.00	0	0	0	0	Estimate the total number of acres involved in the
\$82,538.45	3	0	3	0	project and allocate those acres into the four
\$0.00	0	0	0	0	categories shown.
\$0.00	0	0	0	0	Assign an average unit price for each category. These unit prices are typically taken from the auditors
Total Non Labor RAP Costs		te amount of time all RAP parcels	s = (months)	tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base unit prices on a project sales data book instead of tax card data.	
\$0 \$0		e number of year uisition begins =		t wide R/W	Add structure values from the auditors tax cards only if the structures are taken.
\$0 \$0 \$0					Damages must be assessed by a pre-qualified expert with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6 on Major Projects) and requires some knowledge of the impacts of the project on structures.
29094.80186		placement Hous nt Supplemental			Relocation Cost Estimates must consider the
\$111,633.25		n-Profit Organiza			complexity of the move process. All move estimates that involve a business or a mulit-tenant residential structure should use the services of a relocation
This R/W	Cost Estim	ate Prepared by	y	Date	Assistance professionnal to accurately gauge costs.
	Chris Cler	mons		8/4/2010	Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and
This R/W Cost Estim	nate was per	formed at Step		6	talent. Labor costs estimates should reflect the
of the PDP for	MAJOR	Projects using			complexity of the project and the talent necessary to acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimated
					to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
	Tot	al Labor Costs	\$26	,850.00	Comments
т	otal Non La	bor R/W Costs	\$111	1,633.25	Cost/Unit were generated from auditors tax card data.
	Inflatio	n Adjustments	\$8,	447.48	
	Т	otal R/W Costs	\$146	6,930.73	

PB Americas, Inc.

Estimate Alt E OH cont 3

Estimated Cost: \$23,264,774.05

Contingency: 32.90%

Estimated Total: \$30,918,884.71

OH-3 Ezzard Charles - Bridge Replacement, Western Ave Reconst., Freeman, Winchell, Court, 9th

Base Date: 07/22/10

Spec Year: 10

Unit System: E

Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE

Highway Type: 451

Urban/Rural Type: URBAN CLASS

Season: SUMMER

County: HAMILTON

Midpoint of Latitude:

Midpoint of Longitude:

District: 8

Federal/State Project Number:

Estimate Type: C1

Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt E OH cont 3				PB Americas, Inc.
<u>Line #</u> <u>Item Number</u> <u>Description</u> Supplemental Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
Group 0001: Pavement Remova	1			
0001 A-MC-RDWY	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0343 202E23000	21,262.00	SY	\$8.00000	\$170,096.00
PAVEMENT REMOVED			Total for Group 0001: \$	170.096.00
Crown 0000: Execution Book			· · · · · · · · · · · · · · · · · · ·	
Group 0002: Excavation - Rock	0.00	CY	\$30.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0	
				οοz. φ0.00
Group 0003: Excavation - Soil	1.00		¢0.0000	\$0.00
MAJOR COST DRIVERS, ROADWAY	1.00		\$0.00000	\$0.00
0344 203E10000 EXCAVATION	74,822.00	CY	\$8.00000	\$598,576.00
			Total for Group 0003: \$	598,576.00
Group 0004: Excavation - Hazar	dous			
0006 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
			Total for Group 0	004: \$0.00
Group 0005: Fill - Embankment	(includes	wasting ex	cess excavation)	
0007 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0345 203E20000	74,822.00	CY	\$6.00000	\$448,932.00
EMBANKMENT			Total for Group 0005: \$	448,932.00
Group 0006: Fill - Lime Modified	Soil			
0010 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0346 205E10050	0.00	CY	\$7.00000	\$0.00
LIME STABILIZED EMBANKMENT 0347 205E10300	0.00	TON	\$5.00000	\$0.00
LIME			Total for Group 0	006: \$0.00
				φ0.00
Group 0007: Fill - Borrow	0.00	CV	\$8.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY	0.00	CT.		
			Total for Group 0	007: \$0.00
Group 0008: Concrete Barrier				
0012 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0465 622E10060 3:07:32PM	2,420.00	FT	\$110.00000	\$266,200.00
3:07:32PM Wednesday, December 01, 2010				Page 2 of 12

Estimate: Alt E OH cont 3				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE,	TYPE B			*
			Total for Group 0008:	\$266,200.00
Group 0009: Subgrade Treatment	: - Lime			
0014 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
			Total for Group	0009: \$0.00
Group 0010: Subgrade Treatment	- Ceme	ent		
0016 A-MC-RDWY	32,714.00		\$2.50000	\$81,785.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0010	: \$81,785.00
				+- ,
Group 0011: Subgrade Treatment	1.00 - 1		\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY	1.00	LO		
			Total for Group	0011: \$0.00
Group 0012: Other Roadway Cos	ts			
0019 A-OC-RDWY OTHER COSTS, ROADWAY	0.00	LS	\$0.00000	\$0.00
Contingency 0020 201E11000	0.00	10	\$956 500 0000	¢0.00
CLEARING AND GRUBBING	0.00		\$856,500.00000	\$0.00
0021 201E21800 TREE REMOVED, 18" SIZE	0.00		\$250.00000	\$0.00
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0028 202E35200 PIPE REMOVED, OVER 24"	0.00	FT	\$0.00000	\$0.00
0029 202E38000 GUARDRAIL REMOVED	0.00	FT	\$0.00000	\$0.00
0030 202E42206 ANCHOR ASSEMBLY REMOVED	0.00	EACH	\$0.00000	\$0.00
0031 202E58000 MANHOLE REMOVED	0.00	EACH	\$0.00000	\$0.00
0032 202E58100 CATCH BASIN REMOVED	0.00	EACH	\$0.00000	\$0.00
0033 202E75000 FENCE REMOVED	0.00	FT	\$0.00000	\$0.00
0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

Estimate: Alt E	OH cont 3
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Estimate: Alt E OH cont 3			PB	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
PROOF ROLLING				
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF JC		FT	\$0.00000	\$0.00
0037 606E13000	0.00	FT	\$14.00000	\$0.00
GUARDRAIL, TYPE 5 0038 606E22000	0.00	EACH	\$1,411.29597	\$0.00
ANCHOR ASSEMBLY, TYPE B-98 0039 606E22010	0.00	EACH	\$1,712.52574	\$0.00
ANCHOR ASSEMBLY, TYPE E-98 0040 606E26500	0.00	EACH	\$487.23435	\$0.00
ANCHOR ASSEMBLY, TYPE T 0041 606E35000	0.00	EACH	\$969.12750	\$0.00
BRIDGE TERMINAL ASSEMBLY, 1 0042 606E35100	TYPE 1 0.00	EACH	\$338.36354	\$0.00
BRIDGE TERMINAL ASSEMBLY, T 0043 606E60010		EACH	\$3,439.05897	\$0.00
IMPACT ATTENUATOR, TYPE 1-9	8 (BIDIRECTION	AL)		
0044 607E15000 FENCE, TYPE 47	0.00	FI	\$0.00000	\$0.00
For Fencing 0423 304E20000	0.00	CY	\$0.00000	\$0.00
AGGREGATE BASE For Fencing				
0424 601E32100 ROCK CHANNEL PROTECTION, T	0.00 YPE B WITH FIL	-	\$0.00000	\$0.00
For Fencing 0425 607E40500	0.00	EACH	\$731.31641	\$0.00
GATE, TYPE 47 For Fencing	0.00	EAGH	\$731.31041	φ0.00
0426 625E32000 GROUND ROD	0.00	EACH	\$0.00000	\$0.00
For Fencing				
0466	0.00		\$0.00000 Total for Group 0012	\$0.00 •• \$0.00
				φ0.00
Group 0014: Seeding & Mulcl	•	•	A 0 00000	* • • • •
0045 B-MC-ERCO MAJOR COST DRIVERS, EROSIO			\$0.00000	\$0.00
0467 659E10000 SEEDING AND MULCHING	21,752.00	SY	\$1.00000	\$21,752.00
0531 660E25000 SODDING STAKED	0.00	SY	\$15.00000	\$0.00
			Total for Group 0014: \$21	,752.00
Group 0015: Rock Channel P	rotection			
0047 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSIO 0469 601E32000	0.00		\$75.00000	\$0.00
ROCK CHANNEL PROTECTION, T	YPE A WITH FIL	TER	Total for Group 0015	: \$0.00
Oroup 0040: Erooian Oantari	ltors 000			,
Group 0016: Erosion Control			A C C C C C C C C C C	****
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
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Estimate: Alt E OH cont 3				PB A	mericas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>		Extension
<u>Description</u> Supplemental Description					
MAJOR COST DRIVERS, EROSION CO			.		.
0470 832E10000 STORM WATER POLLUTION PREVEN	1.00 TION PLAN	LS	\$50,000.00000		\$50,000.00
0471 832E20000 EROSION CONTROL	35,000.00	EACH	\$1.00000		\$35,000.00
			Total for Gro	oup 0016: \$85,0	00.00
Group 0017: Other Erosion Conti	rol Costs				
0049 670E00700	0.00	SY	\$0.00000		\$0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000		\$0.00
OTHER COSTS, EROSION CONTROL 0051 659E00100	0.00	EACH	\$0.00000		\$0.00
SOIL ANALYSIS TEST 0052 659E00300	0.00	CY	\$0.00000		\$0.00
TOPSOIL 0053 659E14000	0.00	SY	\$0.00000		\$0.00
REPAIR SEEDING AND MULCHING 0054 659E15000	0.00	SY	\$0.71000		\$0.00
INTER-SEEDING 0055 659E20000	0.00	TON	\$410.06813		\$0.00
COMMERCIAL FERTILIZER 0056 659E31000		ACRE	\$0.00000		\$0.00
LIME					
0057 659E35000 WATER	0.00	MGAL	\$5.00000		\$0.00
0058 659E40000 MOWING	0.00	MSF	\$0.00000		\$0.00
			Total fo	or Group 0017:	\$0.00
Group 0018: Underdrains					
0059 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000		\$0.00
0062 605E05100	27,245.00	FT	\$8.00000		\$217,960.00
4" SHALLOW PIPE UNDERDRAINS			Total for Grou	ıp 0018: \$217,9	60.00
Group 0010: Culvorte Type A:	- 5 '			-	
Group 0019: Culverts - Type A: < 0474 C-MC-DRNG	0.00	LS	\$0.00000		\$0.00
MAJOR COST DRIVERS, DRAINAGE 0480 C-MC-DRNG	0.00	FT	\$350.00000		\$0.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete Pl			•••••		••••
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE		EACH	\$1,500.00000		\$0.00
Concrete Masonry			T () (0 0040	\$ 0.00
			I otal fo	or Group 0019:	ψ 0.00
Group 0021: Culverts, Type A: 5'	- 10'				
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000		\$0.00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000		\$0.00
3:07:32PM Wednesday, December 01, 2010				P	age 5 of 12

Estimate: Alt E OH cont 3			PB A	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Pipe Structures - Reinforced Concrete 5				
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls	0.00	EACH	\$1,500.00000	\$0.00
			Total for Group 0021:	\$0.00
Group 0022: Culverts, Type A: 1	0' - 20'			
0486 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$1,400.00000	\$0.00
Pipe Structures - Reinforced Concrete F 0488 C-MC-DRNG	Pipe 10'-20' 0.00	EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Concrete Masonry			φ.,	<i>40100</i>
			Total for Group 0022:	\$0.00
Group 0024: BMP's				
0076 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			Total for Group 0024:	\$0.00
			· · · · · · · · · · · · · · · · · · ·	+ • • • • •
Group 0025: Closed Storm Syste	em 1.00	10	\$0.0000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			·	
0489 603E13400 30" CONDUIT, TYPE B (Average size)	1,679.00	FT	\$75.00000	\$125,925.00
0523 604E00800 CATCH BASIN, NO. 3A	28.00	-	\$1,500.00000	\$42,000.00
0524 604E31500 MANHOLE, NO. 3	4.00	EACH	\$3,000.00000	\$12,000.00
0526 Special Pump Station (Storm)	0.00	LS	\$6,400,000.00000	\$0.00
0527 Special Stormceptors	0.00	EACH	\$5,750.00000	\$0.00
0529 Special Retention basin improvements	0.00	LS	\$109,000.00000	\$0.00
0533 604E36601 PRECAST REINFORCED CONCRETE			\$0.00000	\$0.00
FREGAST REINFORCED CONCRETE	OUTLET, AS		Total for Group 0025: \$179,	925.00
Group 0026: Other Drainage Co	ete			
0078 C-OC-DRNG	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, DRAINAGE			Total for Group 0026:	\$0.00
				ψ0.00
Group 0027: Mainline - Travel La			- #0.00000	
0095 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00		\$0.00000	\$0.00
0494 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Co	0.00 ompaction	SY	\$68.00000	\$0.00
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Estimate: Alt E OH cont 3				PB Americas, Inc.
Line # Item Number Qua Description Supplemental Description	<u>antity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
			Total for Group 00	27: \$0.00
Group 0028: Mainline - Outside Shou	ulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Compact	0.00	SY	\$68.00000	\$0.00
molado o rigg bado ana casgrado compaci			Total for Group 00	28: \$0.00
Group 0030: Mainline - Inside Should	der			
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Compact	0.00	SY	\$68.00000	\$0.00
molades of rigg base and easyrade compact	1011		Total for Group 00	30: \$0.00
Group 0031: Ramps (including shoul	ders))		
0122 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
	88.00	SY	\$68.00000	\$549,984.00
13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Compact	ion		Total for Group 0031: \$5	10 081 00
				-3,30-1.00
Group 0032: Non - Mainline Lanes				
0132 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00		\$0.00000	\$0.00
0498 D-MC-PVMT 24,6 Asphalt	26.00	SY	\$41.00000	\$1,009,666.00
Includes 3" 448, 9" 301, 6" Agg base and Sub 0534 202E56101		Compaction EACH	\$30,000.00000	\$0.00
BUILDING DEMOLISHED, AS PER PLAN Large Commercial	0.00		<i>400,000,000</i>	\$ 0000
0535 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Residential	0.00	EACH	\$12,000.00000	\$0.00
0536 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Commercial	0.00	EACH	\$15,000.00000	\$0.00
0537 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Residential	0.00	EACH	\$7,500.00000	\$0.00
0538 202E98100 REMOVAL MISC.: Radio Tower	0.00	EACH	\$8,500.00000	\$0.00
			Total for Group 0032: \$1,0	09,666.00
Group 0041: Other Pavement Costs				
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00

Estimate: Alt E OH cont 3 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	PB / <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
			Total for Group 0041:	\$0.00
Group 0042: Water Works				
0164 E-MC-WATR MAJOR COST DRIVERS, WATER LINE	0.00	LS	\$0.00000	\$0.00
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Group 0042:	\$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY SE	0.00 WER	LS	\$0.00000	\$0.00
,			Total for Group 0043:	\$0.00
Group 0044: Lighting - Full Intercl	hange			
0173 G-MC-LTNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING 0499 G-MC-LTNG	0.00	EACH	\$469,000.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING			Total for Group 0044:	\$0.00
Oneuro 0045: Lighting Dortiol Inte			•	·
Group 0045: Lighting - Partial Inte 0288 G-MC-LTNG	0.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING				
			Total for Group 0045:	φ0.00
Group 0046: Lighting - Continuou		•		
0176 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0500 G-MC-LTNG Lighting - Continuous	3,696.00	FT	\$35.00000	\$129,360.00
			Total for Group 0046: \$129,	360.00
Group 0047: Other Lighting Costs	5			
0177 G-OC-LTNG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, LIGHTING			Total for Group 0047:	\$0.00
Group 0049: Traffic Surveillance				
Group 0048: Traffic Surveillance	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC SURVEILLAN	ICE			
			Total for Group 0048:	φ0.00
Group 0049: Signs				
0179 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC CON	1.00 ITROL	LS	\$0.00000	\$0.00
0501 J-MC-TRAF Signs	0.70	MILE	\$250,000.00000	\$175,000.00
3:07:32PM Wednesday, December 01, 2010				Page 8 of 12

Estimate: Alt E OH cont 3 <u>Line # Item Number</u> <u>Description</u> Supplemental Description	<u>Quantity</u>	<u>Units</u>	Unit Price	PB Americas, Inc. <u>Extension</u>
Supplemental Description			Total for Group 0049:	\$175,000.00
Group 0050: Pavement Marking	1			
0200 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CO 0502 644E00100	4.04	MILE	\$3,000.00000	\$12,120.00
EDGE LINE 0503 644E00200	0.85	MILE	\$2,000.00000	\$1,700.00
LANE LINE			Total for Group 0050	\$13,820.00
Group 0051: Other Traffic Contr	ol Costs			
0208 J-OC-TRAF	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC CONTROL			Total for Group	0051: \$0.00
Oraun 0050: Signala Interacti				···· •
Group 0052: Signals - Intersecti	0NS 1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, SIGNALS			Total for Group	
				0052. 00.00
Group 0053: Other Traffic Signa			# 0.0000	\$ 0.00
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
			Total for Group	0053: \$0.00
Group 0054: Landscaping				
0214 L-MC-LSCP MAJOR COST DRIVERS, LANDSCAP	1.00 ING	LS	\$0.00000	\$0.00
0215 L-OC-LSCP OTHER COSTS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
			Total for Group	0054: \$0.00
Group 0055: Retaining Walls \$1	25 + \$10/	ft for ca	aps, barriers and testing	
0216 M-MC-WALL MAJOR COST DRIVERS, RETAINING	1.00		\$0.00000	\$0.00
0504 M-MC-WALL	33,465.00	SF	\$135.00000	\$4,517,775.00
Retaining Walls			Total for Group 0055: \$	4,517,775.00
Group 0056: Other Retaining W	all Costs			
0217 M-OC-WALL	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, RETAINING WALLS			Total for Group	0056: \$0.00
Croup 0057: Duilding Domalition	-		F	
Group 0057: Building Demolition 0218 N-MC-DEMO MAJOR COST DRIVERS, BUILDING D	1.00	LS	\$0.00000	\$0.00
3:07:32PM Wednesday, December 01, 2010				Page 9 of 12

Estimate: Alt E OH cont 3			PB	Americas, Inc.
Line # Item Number Que Description Supplemental Description	uantity	<u>Units</u>	Unit Price	<u>Extension</u>
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITION	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, BUILDING DEMOLITION			Total for Group 0057:	\$0.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIER	1.00	LS	\$0.00000	\$0.00
0505 P-MC-NSBR 13, Noise Barrier	370.00	SF	\$25.00000	\$334,250.00
			Total for Group 0058: \$334,	250.00
Group 0059: Other Noise Barrier Co				
0221 P-OC-NSBR OTHER COSTS, NOISE BARRIER	1.00		\$0.00000	\$0.00
0368 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIER	0.00	LS	\$0.00000	\$0.00
Group 0060: New Structures			Total for Group 0059:	\$0.00
0222 R-MC-STRC	1.00	LS	\$0.00000	\$0.00
	551.00	SF	\$125.00000	\$7,943,875.00
	637.00	SF	\$12.00000	\$31,644.00
	124.00		\$17.00000	\$478,108.00
Standard Removal of Existing Structures abo 0509 R-MC-STRC	0.00	• •	\$30.0000	\$0.00
Removal of Existing Structures complex to ve 0513 R-MC-STRC	ery comp 0.00		\$150.00000	\$0.00
Tier 2 Structures 25' to 50' Height 0516 R-MC-STRC	0.00	SF	\$200.00000	\$0.00
Tier 3 Structures 50' to 75' Height			Total for Group 0060: \$8,453,	627.00
Group 0061: Rehabilitated Structure	s			
0223 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	0.00	SF	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES			Total for Group 0061:	\$0.00
Group 0062: Other Structure Costs				
0224 R-OC-STRC OTHER COSTS, STRUCTURES	0.00	LS	\$0.00000	\$0.00
Contingency			Total for Group 0062:	\$0.00
Group 0063: Temporary Road and F	Paven	nent Cos	sts	
0225 S-MC-MNTC MAJOR COST DRIVERS, MAINTENANCE C	1.00 DF TRAF		\$0.00000	\$0.00
2:07:22DM				

Estimate: Alt E OH cont 3 Line # Item Number Quantity Units Description Supplemental Description	PB / <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
<u>Supplemental Description</u>	Total for Crown 0062	ድር ወር
	Total for Group 0063:	\$0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0064:	\$0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0066:	\$0.00
		ψοιοσ
Group 0067: Temporary Signals	#0.0000	\$ 0.00
0230 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS	\$0.00000	\$0.00
OTHER COSTS, MAINTENANCE OF TRAFFIC 0512 S-OC-MNTC 0.70 MILE	\$500,000.00000	\$350,000.00
OTHER COSTS, MAINTENANCE OF TRAFFIC	Total for Group 0070: \$350,	
		000.00
Group 0071: Wetland Construction	# 0.0000	* 0.00
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt E OH cont 3				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELI	0.00 LANEOUS COST	-	\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOU	0.00 S COSTS	LS	\$0.00000	\$0.00
0237 100E00300	0.00		\$10,000.00000	\$0.00
SPECIAL - PREMIUM ON RAILRO LIABILITY INSURANCE	ADS' PROTECTI	/E PUBLI	C LIABILITY AND PROPERTY DAMAG	E
0239 623E10000 CONSTRUCTION LAYOUT STAKE 0.5%	1.00 S	LS	\$88,018.54000	\$88,018.54
0240 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$352,074.16000	\$352,074.16
0241 619E16020 FIELD OFFICE, TYPE C	32.00	MNTH	\$2,500.00000	\$80,000.00
0242 624E10000 MOBILIZATION	1.00	LS	\$400,000.00000	\$400,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERF 0.5%	1.00 ORMANCE BON		\$88,018.54000 OR PAYMENT BOND	\$88,018.54
0518	0.00		\$0.00000	\$0.00
0519	0.00		\$0.00000	\$0.00
0520	0.00		\$0.00000	\$0.00
0521	0.00		\$0.00000	\$0.00
0532	0.00		\$0.00000 Total for Group 0072: \$	^{\$0.00} \$1,008,111.24

Group 0073: Design Contingency Costs

	,		
0243 V-MC-CNTG	1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, CONTING	ENCY COSTS		
0244 V-OC-CNTG	1.00 LS	\$4,652,954.81000	\$4,652,954.81
OTHER COSTS, CONTINGENCY CO	OSTS		
25%			

Total for Group 0073: \$4,652,954.81

Group 0074: Inflation Contingency

0266 V-OC-CNTG OTHER COSTS, CONTINGENCY COSTS	0.00	LS	\$0.00000	\$0.00
			Total for Group 0074:	¢0 00

Total for Group 0074: \$0.00

PID	89065	County	HAM	Route	75	Section	1.15	This R/W Acquisition cost estimate
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Macro View												At	ttributes			
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	I	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cos Estimates
-Residential	8.71	Х	\$2.33	\$20	+	0	+	N/A	\$0.00	I	\$20.29	1	0	1	0	Estimate the total number of acres involved in the
-Commercial	0.07	Х	\$96,828.08	\$6,778	+	0	+	N/A	\$0.00	=	\$6,777.97	1	0	1	0	project and allocate those acres into the four
-Industrial	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	0	categories shown.
-Park	0.21	Х	\$955.66	\$201	+	0	+	N/A	\$0.00	=	\$200.69	1	0	1	0	Assign an average unit price for each category. These unit prices are typically taken from the audi
Relocation	Unit (Displacement)	x	*RHP/	/*RSP	+	Move Cost	+	Reestabli	shment	=	Total Non Labor RAP Costs	Estima	ate amount of tim all RAP parcel			tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must ba- unit prices on a project sales data book instead of
-Residential Owner Occupant Tenant	0	x x	\$34, \$10,		++	\$6,000 \$1,750				= =	\$0 \$0		te number of yea quisition begins =		ct wide R/W 1.75	card data. Add structure values from the auditors tax cards o if the structures are taken.
-Commerical/Farm/NPO Owner Tenant	0 0				x x	\$15,000 \$15,000	++	\$10,0 \$10,0		= =	\$0 \$0					Damages must be assessed by a pre-qualified exp with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6
-Personal Property	0				Х	\$1,000				=	\$0					Major Projects) and requires some knowledge of t impacts of the project on structures.
{[(Total Cost of Acquisition Cost)x0.90]x0.025}+{[(Total of Acquisition Cost)x0.15]x1.20}+{[(Total of Acquisition Cost)x0.10]x1.50} = Contingency			quisition	(Contingency (Incidentals, Admin. Review & Appropriation) Total Non Labor R/W Costs			2467.129346 \$9,466.08	*RSP - Rent Supplemental Payment			t	Relocation Cost Estimates must consider the complexity of the move process. All move estimate that involve a business or a mulit-tenant residentia			
Macro View																structure should use the services of a relocation Assistance professionnal to accurately gauge cost
Labor (External)	Unit (Parcels)	X	Unit		=	Total Cost					This R/W	V Cost Estin	nate Prepared b	v	Date	Assistance professionnal to accurately gauge cos
Titles	3	X	\$4	00	=	\$1,200							•			
Appraisal -Simple -Detailed	1	Х	\$7		=	\$750						Chris Cle			8/4/2010	Instructions for Labor Cost Estimates Labor costs are a function of time, distance, an talent. Labor costs estimates should reflect the
	2	X	\$4,	500	=	\$9,000	-				This R/W Cost Estir	•	·		6	complexity of the project and the talent necessar
Appraisal Review -Simple -Detailed	1	x	\$5		=	\$500					of the PDP for	MAJOR	Projects using			acquire the right of way in a timely manner. Th person making the cost estimate may adjust the figures given for the particular project being estimate
	2	X	\$2,0 \$1,7		=	\$4,000 \$2,200	1									to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment
Negotiations Relocations -Personal Property	0	X	\$1,	500	=	\$0				I						alternative, the step in the PDP process and the person(s) performing the estimate.
-Residential -Commercial/Farm/*NPO	0	X	\$5,2 \$5,0		=	\$0 \$0						То	tal Labor Costs	\$20),500.00	Comments
Closings	3	Х	\$4		=	\$1,200						Total Non L	abor R/W Costs	¢ŋ	,466.08	Cost/Unit were generated from auditors tax card d Changed "Agriculture" category to "Park" to inclu
	3	Х	\$5	50	=	\$1,650									,+00.00	the Queensgate Ball Fields.
	-				I _							Inflatio	on Adjustments	¢1	,827.93	
		Х										minant		φı	,027.95	
Project Management Asbestos Testing & Abatement		X Tot	al Labor Cost	S	<u> </u>	\$20,500							Total R/W Costs		,027.93 I,794.01	

Macro View							
Labor (External)	Unit (Parcels)	X	Unit Price	=	Total Cost		
Titles	3	Х	\$400	=	\$1,200		
Appraisal -Simple	1	x	\$750	=	\$750		
-Detailed	2	х	\$4,500	=	\$9,000		
Appraisal Review							
-Simple	1	Х	\$500	=	\$500		
-Detailed	2	х	\$2,000	=	\$4,000		
Negotiations	2	Х	\$1,100	=	\$2,200		
Relocations							
-Personal Property	0	Х	\$1,500	=	\$0		
-Residential	0	Х	\$5,200	=	\$0		
-Commercial/Farm/*NPO	0	Х	\$5,600	=	\$0		
Closings	3	Х	\$400	=	\$1,200		
Project Management	3	Х	\$550	=	\$1,650		
Asbestos Testing & Abatement		Х		=			
		Total Labor Costs					
*NPO = Non-Profit Organization	•						

		Att	ributes			
:	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates
:	\$20.29	1	0	1	0	Estimate the total number of acres involved in the
	\$6,777.97	1	0	1	0	project and allocate those acres into the four
	\$0.00	0	0	0	0	categories shown.
	\$200.69	1	0	1	0	Assign an average unit price for each category. These unit prices are typically taken from the auditors
:	Total Non Labor RAP Costs	Estimat	te amount of tim all RAP parcel	-		tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base unit prices on a project sales data book instead of tax card data.
:	\$0 \$0		e number of year uisition begins =		ct wide R/W	Add structure values from the auditors tax cards only if the structures are taken.
:	\$0 \$0 \$0				Damages must be assessed by a pre-qualified expert with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6 on Major Projects) and requires some knowledge of the impacts of the project on structures.	
	2467.129346 \$9,466.08	*RSP - Rei	placement Hous nt Supplemental n-Profit Organiza	Payment		Relocation Cost Estimates must consider the complexity of the move process. All move estimates that involve a business or a mulit-tenant residential structure should use the services of a relocation
	This R/V	/ Cost Estim	ate Prepared b	у	Date	Assistance professionnal to accurately gauge costs.
		Chris Cler	mons		8/4/2010	Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and
	This R/W Cost Estir	nate was per	formed at Step		6	talent. Labor costs estimates should reflect the complexity of the project and the talent necessary to
	of the PDP for	MAJOR	Projects using			acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimated to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
		Tot	al Labor Costs	\$20	,500.00	Comments
	1	Fotal Non La	bor R/W Costs	\$9,	466.08	Cost/Unit were generated from auditors tax card data. Changed "Agriculture" category to "Park" to include the Queensgate Ball Fields.
		Inflatio	n Adjustments	\$1,	827.93	
Total R/W Costs \$31,7					,794.01	

	Att	ributes			
Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates
\$20.29	1	0	1	0	Estimate the total number of acres involved in the
\$6,777.97	1	0	1	0	project and allocate those acres into the four
\$0.00	0	0	0	0	categories shown.
\$200.69	1	0	1	0	Assign an average unit price for each category. These unit prices are typically taken from the auditors
Total Non Labor RAP Costs	Estimat	all RAP parcels	-		tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base unit prices on a project sales data book instead of tax card data.
\$0 \$0		e number of year uisition begins =		t wide R/W	Add structure values from the auditors tax cards only if the structures are taken.
\$0 \$0 \$0					Damages must be assessed by a pre-qualified expert with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6 on Major Projects) and requires some knowledge of the impacts of the project on structures.
2467.129346		placement Hous			Relocation Cost Estimates must consider the
\$9,466.08		nt Supplemental n-Profit Organiza	complexity of the move process. All move estimates that involve a business or a mulit-tenant residential		
					structure should use the services of a relocation
This R/W	/ Cost Estim	ate Prepared by	y	Date	Assistance professionnal to accurately gauge costs.
	Chris Cler	nons		8/4/2010	Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and
This R/W Cost Estir	nate was per	formed at Step		6	talent. Labor costs estimates should reflect the
of the PDP for	MAJOR	Projects using			complexity of the project and the talent necessary to acquire the right of way in a timely manner. The
					figures given for the particular project being estimated to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
	Tot	al Labor Costs	\$20	,500.00	Comments
1	rotal Non La	bor R/W Costs	\$9,	466.08	Cost/Unit were generated from auditors tax card data. Changed "Agriculture" category to "Park" to include the Queensgate Ball Fields.
	Inflatio	n Adjustments	\$1,	827.93	
	Т	otal R/W Costs	\$31	,794.01	

Estimate Alt E OH cont 4

Estimated Cost: \$40,561,231.89 Contingency: 32.90%

Estimated Total: \$53,905,877.18

OH-4 Seventh St, Eigth St, Ninth Street and 6th St northbound entrance ramps Base Date: 07/22/10 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: District: 8 Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt E OH cont 4				PB Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
Supplemental Description				
Group 0001: Pavement Remova		10	\$0.00000	00.02
MAJOR COST DRIVERS, ROADWAY	0.00	LS		\$0.00
0343 202E23000 PAVEMENT REMOVED	8,349.00	SY	\$8.00000	\$66,792.00
			Total for Group 0001: \$	66,792.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$30.00000	\$0.00
			Total for Group 00	02: \$0.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0344 203E10000	11,864.00	CY	\$8.00000	\$94,912.00
EXCAVATION			Total for Group 0003: \$	94 912 00
				54,512.00
Group 0004: Excavation - Hazar			¢0,0000	¢0.00
0006 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	L3	\$0.00000	\$0.00
			Total for Group 00	04: \$0.00
Group 0005: Fill - Embankment	(includes	wasting e	xcess excavation)	
0007 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0345 203E20000 EMBANKMENT	11,864.00	CY	\$6.00000	\$71,184.00
			Total for Group 0005: \$	71,184.00
Group 0006: Fill - Lime Modified	Soil			
0010 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0346 205E10050	0.00	CY	\$7.00000	\$0.00
LIME STABILIZED EMBANKMENT 0347 205E10300	0.00	TON	\$5.00000	\$0.00
LIME			Total for Group 00	06: \$0.00
				00. 00.00
Group 0007: Fill - Borrow	0.00		#0.0000	* 0.00
0011 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$8.00000	\$0.00
			Total for Group 00	07: \$0.00
Group 0008: Concrete Barrier				
0012 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0465 622E10060	2,905.00	FT	\$110.00000	\$319,550.00
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Estimate: Alt E OH cont 4				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE,	TYPE B			
			Total for Group 0008:	\$319,550.00
Group 0009: Subgrade Treatment	- Limo			
0014 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0348 206E10000	0.00	SY	\$1.85000	\$0.00
LIME STABILIZED SUBGRADE			·	
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
TEST KOLLING			Total for Group	0009: \$0.00
One we add a Curk and de Tre store and	0			
Group 0010: Subgrade Treatment	8,083.00		\$2.50000	\$20,207.50
MAJOR COST DRIVERS, ROADWAY	0,003.00	31		
			Total for Group 0010:	\$20,207.50
Group 0011: Subgrade Treatment	- Unde	rcut & I	Backfill	
0017 A-MC-RDWY	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group	0011: \$0.00
				-
Group 0012: Other Roadway Cos			* 2 22222	\$ 0.00
0019 A-OC-RDWY OTHER COSTS, ROADWAY	0.00	LS	\$0.00000	\$0.00
Contingency 0020 201E11000	0.00	LS	\$856,500.00000	\$0.00
CLEARING AND GRUBBING 0021 201E21800	0.00	EACH	\$250.00000	\$0.00
TREE REMOVED, 18" SIZE				
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000	0.00	LS	\$9,310.13000	\$0.00
STRUCTURE REMOVED 0028 202E35200	0.00	FT	\$0.00000	\$0.00
PIPE REMOVED, OVER 24" 0029 202E38000	0.00	FT	\$0.00000	\$0.00
GUARDRAIL REMOVED 0030 202E42206	0.00	EACH	\$0.00000	\$0.00
ANCHOR ASSEMBLY REMOVED 0031 202E58000	0.00	EACH	\$0.00000	\$0.00
MANHOLE REMOVED				
0032 202E58100 CATCH BASIN REMOVED	0.00	EACH	\$0.00000	\$0.00
0033 202E75000 FENCE REMOVED	0.00	FT	\$0.00000	\$0.00
0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

Estimate: Alt E OH cont 4			PB /	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
PROOF ROLLING 0035 204E10000	0.00	SY	\$0.81000	\$0.00
SUBGRADE COMPACTION	0.00	01	<i>40.01000</i>	ψ0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF JOINT, ¹	0.00 type a	FT	\$0.00000	\$0.00
0037 606E13000	0.00	FT	\$14.00000	\$0.00
GUARDRAIL, TYPE 5 0038 606E22000	0.00	EACH	\$1,411.29597	\$0.00
ANCHOR ASSEMBLY, TYPE B-98				
0039 606E22010 ANCHOR ASSEMBLY, TYPE E-98	0.00	EACH	\$1,712.52574	\$0.00
0040 606E26500	0.00	EACH	\$487.23435	\$0.00
ANCHOR ASSEMBLY, TYPE T 0041 606E35000	0.00	EACH	\$969.12750	\$0.00
BRIDGE TERMINAL ASSEMBLY, TYPE		LACH	φ 909 .12730	φ0.00
0042 606E35100 BRIDGE TERMINAL ASSEMBLY, TYPE	0.00	EACH	\$338.36354	\$0.00
0043 606E60010		EACH	\$3,439.05897	\$0.00
IMPACT ATTENUATOR, TYPE 1-98 (BIE		,	# 0.0000	\$ 0.00
0044 607E15000 FENCE, TYPE 47	0.00	FI	\$0.00000	\$0.00
For Fencing			A 2 2222	* •••••
0423 304E20000 AGGREGATE BASE	0.00	CY	\$0.00000	\$0.00
For Fencing				•
0424 601E32100 ROCK CHANNEL PROTECTION, TYPE	0.00 B WITH EII		\$0.00000	\$0.00
For Fencing				
0425 607E40500	0.00	EACH	\$731.31641	\$0.00
GATE, TYPE 47 For Fencing				
0426 625E32000	0.00	EACH	\$0.00000	\$0.00
GROUND ROD For Fencing				
0466	0.00		\$0.00000	\$0.00
			Total for Group 0012:	\$0.00
Group 0014: Seeding & Mulching		0		
0045 B-MC-ERCO MAJOR COST DRIVERS, EROSION CO	1.00	LS	\$0.00000	\$0.00
0467 659E10000	3,553.00	SY	\$1.00000	\$3,553.00
SEEDING AND MULCHING 0531 660E25000	0.00	SV	\$15.00000	\$0.00
SODDING STAKED	0.00	51	\$13.00000	φ0.00
			Total for Group 0014: \$3,	553.00
	- ('			
Group 0015: Rock Channel Prote				
0047 B-MC-ERCO MAJOR COST DRIVERS, EROSION CO	1.00 NTROI	LS	\$0.00000	\$0.00
0469 601E32000	0.00		\$75.00000	\$0.00
ROCK CHANNEL PROTECTION, TYPE	A WITH FIL	TER	Total for Oroup 0015	©
			Total for Group 0015:	ΦU.UU
Group 0016: Erosion Control - Ite	m 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
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Estimate: Alt E OH cont 4				PB Americas,	Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extens	<u>sion</u>
<u>Description</u> Supplemental Description					
MAJOR COST DRIVERS, EROSION CC				•	
0470 832E10000 STORM WATER POLLUTION PREVEN	1.00 TION PLAN	LS	\$50,000.00000	\$50,000	0.00
0471 832E20000 EROSION CONTROL	6,000.00	EACH	\$1.00000	\$6,000	0.00
			Total for Gro	up 0016: \$56,000.00	
Group 0017: Other Erosion Contr	ol Costs				
0049 670E00700	0.00	SY	\$0.00000	\$0	0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000	\$(0.00
OTHER COSTS, EROSION CONTROL 0051 659E00100	0.00	EACH	\$0.00000		0.00
SOIL ANALYSIS TEST 0052 659E00300	0.00		\$0.00000		0.00
TOPSOIL					
0053 659E14000 REPAIR SEEDING AND MULCHING	0.00	SY	\$0.00000	·	0.00
0054 659E15000 INTER-SEEDING	0.00	SY	\$0.71000	\$(0.00
0055 659E20000 COMMERCIAL FERTILIZER	0.00	TON	\$410.06813	\$0	0.00
0056 659E31000 LIME	0.00	ACRE	\$0.00000	\$(0.00
0057 659E35000 WATER	0.00	MGAL	\$5.00000	\$(0.00
0058 659E40000 MOWING	0.00	MSF	\$0.00000	\$(0.00
MOWING			Total fo	or Group 0017: \$0.00	
Croup 0019: Underdreine					
Group 0018: Underdrains 0059 C-MC-DRNG	1.00	IS	\$0.00000	\$(0.00
MAJOR COST DRIVERS, DRAINAGE 0062 605E05100	6,974.00		\$8.00000	·	
4" SHALLOW PIPE UNDERDRAINS	0,974.00	ГІ		\$55,792	
			Total for Gro	up 0018: \$55,792.00	
Group 0019: Culverts - Type A: <	: 5'				
0474 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	LS	\$0.00000	\$0	0.00
0480 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$350.00000	\$(0.00
Pipe Structures - Reinforced Concrete Pi					
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0	0.00
Concrete Masonry			Total fo	or Group 0019: \$0.00	
Group 0021: Culverts, Type A: 5'		10			0.00
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00		\$0.00000		0.00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000	\$0	0.00
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Estimate: Alt E OH cont 4			PB A	mericas, Inc.
Line # <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
Pipe Structures - Reinforced Concrete 5				
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls	0.00	EACH	\$1,500.00000	\$0.00
			Total for Group 0021:	\$0.00
Group 0022: Culverte Type A: 1	0' 20'			
Group 0022: Culverts, Type A: 1 0486 C-MC-DRNG	1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			·	·
0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete F	0.00 Pipe 10'-20'	FT	\$1,400.00000	\$0.00
0488 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Group 0022:	\$0.00
				•
Group 0024: BMP's				
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group 0024:	\$0.00
Crown 002E: Closed Storm Svot	~~~			
Group 0025: Closed Storm Syste	1.00	10	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			·	·
30" CONDUIT, TYPE B (Average size)	55.00	FT	\$75.00000	\$4,125.00
0523 604E00800 CATCH BASIN, NO. 3A	7.00	EACH	\$1,500.00000	\$10,500.00
0524 604E31500 MANHOLE, NO. 3	1.00	EACH	\$3,000.00000	\$3,000.00
0525	0.00		\$0.00000	\$0.00
0526 Special Pump Station (Storm)	0.00	LS	\$6,400,000.00000	\$0.00
0527 Special Stormceptors	0.00	EACH	\$5,750.00000	\$0.00
0529 Special	0.00	LS	\$109,000.00000	\$0.00
Retention basin improvements			Total for Group 0025: \$17,6	325.00
				20100
Group 0026: Other Drainage Co	sts			
0078 C-OC-DRNG OTHER COSTS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group 0026:	\$0.00
Group 0027: Mainline - Travel La	anes			
0095 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0494 D-MC-PVMT	0.00	SY	\$68.00000	\$0.00
13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Co				

Estimate: Alt E OH cont 4			PB A	mericas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
			Total for Group 0027:	\$0.00
				+ - -
Group 0028: Mainline - Outsid		10	# 0.00000	¢0.00
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN			\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement	0.00	SY	\$68.00000	\$0.00
Includes 6" Agg base and Subgrade	Compaction		Total for Group 0028:	\$0.00
				ψ0.00
Group 0030: Mainline - Inside				
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN	1.00 NT	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement	0.00	SY	\$68.00000	\$0.00
Includes 6" Agg base and Subgrade	Compaction		Total far Crown 0020	<u> </u>
			Total for Group 0030:	\$0.00
Group 0031: Ramps (including	shoulders))		
0122 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN	1.00 NT	LS	\$0.00000	\$0.00
0497 D-MC-PVMT 13" Reinforced Concrete Pavement	2,932.00	SY	\$68.00000	\$199,376.00
Includes 6" Agg base and Subgrade	Compaction		T () () () () () () () () () (
			Total for Group 0031: \$199,3	376.00
Group 0032: Non - Mainline La	anes			
0132 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN	1.00	LS	\$0.00000	\$0.00
0498 D-MC-PVMT	5,151.00	SY	\$41.00000	\$211,191.00
Asphalt Includes 3" 448, 9" 301, 6" Agg base	and Subgrade	Compaction		
			Total for Group 0032: \$211,	191.00
Group 0041: Other Pavement	Costs			
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
OTTIER COSTS, FAVEMENT			Total for Group 0041:	\$0.00
Croup 0042: Water Works				
Group 0042: Water Works 0164 E-MC-WATR	0.00	IS	\$0.00000	\$0.00
MAJOR COST DRIVERS, WATER L 0165 E-OC-WATR			\$0.00000	\$0.00
OTHER COSTS, WATER LINE	0.00	LJ		
			Total for Group 0042:	\$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITAR'	0.00 Y SEWER	LS	\$0.00000	\$0.00
3:27:42PM				
			-	

Estimate: Alt E OH cont 4 <u>Line # Item Number</u> <u>Description</u>	Quantity	<u>Units</u>	PB <u>Unit Price</u>	B Americas, Inc. <u>Extension</u>
Supplemental Description				• • • • •
			Total for Group 0043	3: \$0.00
Group 0044: Lighting - Full Interch	nange			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	EACH	\$469,000.00000	\$0.00
			Total for Group 0044	1: \$0.00
Group 0045: Lighting - Partial Inte	rchange	9		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0045	5: \$0.00
Group 0046: Lighting - Continuous	s Roadv	vav		
0176 G-MC-LTNG	1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING 0500 G-MC-LTNG Lighting - Continuous	3,168.00	FT	\$35.00000	\$110,880.00
Lighting - Continuous			Total for Group 0046: \$110),880.00
Group 0047: Other Lighting Costs				
0177 G-OC-LTNG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, LIGHTING			Total for Group 0047	7: \$0.00
Group 0048: Traffic Surveillance				
0178 H-OC-SURV	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC SURVEILLAN	CE		Total for Group 0048	3: \$0.00
Crown 0040: Signa				
Group 0049: Signs 0179 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CON 0501 J-MC-TRAF		MILE	\$250,000.00000	\$150,000.00
Signs			Total for Group 0049: \$150	
				,000.00
Group 0050: Pavement Marking 0200 J-MC-TRAF	1.00	10	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CON	TROL		·	
0502 644E00100 EDGE LINE	2.13	MILE	\$3,000.00000	\$6,390.00
0503 644E00200 LANE LINE	1.09	MILE	\$2,000.00000	\$2,180.00
			Total for Group 0050: \$8	3,570.00

Group 0051: Other Traffic Control Costs

Estimate: Alt E OH cont 4 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	PB A <u>Unit Price</u>	mericas, Inc. <u>Extension</u>
0208 J-OC-TRAF	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC CONTROL Group 0052: Signals - Intersection	ons		Total for Group 0051:	\$0.00
0212 K-MC-SGNL	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, SIGNALS			Total for Group 0052:	\$0.00
Group 0053: Other Traffic Signal				
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
Group 0054: Landscaping			Total for Group 0053:	\$0.00
0214 L-MC-LSCP MAJOR COST DRIVERS, LANDSCAPII	1.00	LS	\$0.00000	\$0.00
0215 L-OC-LSCP OTHER COSTS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, LANDSCAPING			Total for Group 0054:	\$0.00
Group 0055: Retaining Walls \$12	25 + \$10/	ft for ca	ns harriers and testing	
0216 M-MC-WALL	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, RETAINING 0504 M-MC-WALL Retaining Walls	WALLS 4,125.00	SF	\$135.00000	\$556,875.00
			Total for Group 0055: \$556,8	375.00
Group 0056: Other Retaining Wa	all Costs	15	\$0.0000	\$0.00
OTHER COSTS, RETAINING WALLS	1.00	20		
			Total for Group 0056:	\$0.00
Group 0057: Building Demolition				
0218 N-MC-DEMO MAJOR COST DRIVERS, BUILDING DI	1.00 EMOLITION	LS	\$0.00000	\$0.00
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITIO	1.00	LS	\$0.00000	\$0.00
0532 202E98100 REMOVAL MISC.: Radio Tower	0.00	EACH	\$8,500.00000	\$0.00
0533 202E56101 BUILDING DEMOLISHED, AS PER PLA Small Residential	0.00 AN	EACH	\$7,500.00000	\$0.00
0534 202E56101 BUILDING DEMOLISHED, AS PER PLA Small Commercial	1.00 AN	EACH	\$15,000.00000	\$15,000.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLA Large Residential	0.00 AN	EACH	\$12,000.00000	\$0.00
0536 202E56101 3:27:42PM	1.00	EACH	\$30,000.00000	\$30,000.00
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Estimate: Alt E OH cont 4 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	PB Americas, Inc. <u>Extension</u>
BUILDING DEMOLISHED, AS PER PLAN Large Commercial	1			
Large Commercial			Total for Group 0057:	\$45,000.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRII	1.00 FR	LS	\$0.00000	\$0.00
0505 P-MC-NSBR Noise Barrier	0.00	LS	\$25.00000	\$0.00
Noise Damei			Total for Group	0058: \$0.00
Group 0059: Other Noise Barrier	Costs			
0221 P-OC-NSBR OTHER COSTS, NOISE BARRIER	1.00	LS	\$0.00000	\$0.00
0368 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRII	0.00	LS	\$0.00000	\$0.00
			Total for Group	0059: \$0.00
Group 0060: New Structures				
0222 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	1.00	LS	\$0.00000	\$0.00
0506 R-MC-STRC Tier 1 Structures to 25' Height	0.00	SF	\$125.00000	\$0.00
0507 R-MC-STRC Removal of Existing Structures non-comp	0.00	SF	\$12.00000	\$0.00
	85,729.00		\$17.00000	\$1,457,393.00
0509 R-MC-STRC Removal of Existing Structures complex to	0.00	SF	\$30.00000	\$0.00
	79,364.00		\$150.00000	\$26,904,600.00
0516 R-MC-STRC Tier 3 Structures 50' to 75' Height	0.00	SF	\$200.00000	\$0.00
			Total for Group 0060: \$28	3,361,993.00
Group 0061: Rehabilitated Structu	ires			
0223 R-MC-STRC	0.00	SF	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES			Total for Group	0061: \$0.00
Group 0062: Other Structure Cost	ts			
0224 R-OC-STRC	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, STRUCTURES Contingency				
			Total for Group	0062: \$0.00
Group 0063: Temporary Road and	d Paven	nent Cost	S	
0225 S-MC-MNTC MAJOR COST DRIVERS, MAINTENANC	1.00 E OF TRAF		\$0.00000	\$0.00
2.07.40DM				

Estimate: Alt E OH cont 4 Line # Item Number Quantity Units Description Supplemental Description	PB A <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
<u></u>	Total for Group 0063:	\$0.00
		ψ0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0064:	\$0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0065:	\$0.00
Croup ODEE: Shooting		
Group 0066: Sheeting 0229 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC		
	Total for Group 0066:	Ф 0.00
Group 0067: Temporary Signals		
0230 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0068:	\$0.00
Crown 0060, Innovative Contracting Incontatives		
Group 0069: Innovative Contracting Incentatives 0232 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC		
	Total for Group 0069:	Ф 0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS OTHER COSTS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
0512 S-OC-MNTC 0.60 MILE OTHER COSTS, MAINTENANCE OF TRAFFIC	\$500,000.00000	\$300,000.00
	Total for Group 0070: \$300,	000.00
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, WETLAND CONSTRUCTION 0360 T-MC-WTLD 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, WETLAND CONSTRUCTION	Total for Group 0071:	\$0.00
		ψ0.00

Group 0072: Misc. Costs

Estimate: Alt E OH cont 4				PB Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
Supplemental Description				
0235 U-MC-MISC MAJOR COST DRIVERS, MISCEL	0.00 LANEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOU	0.00 IS COSTS	LS	\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILRO	0.00		\$10,000.00000	\$0.00
	ADS PROTECTI	VE PUBL		Y DAMAGE
0238 623E10000 CONSTRUCTION LAYOUT STAKE 0.5%	1.00 ES	LS	\$153,247.50000	\$153,247.50
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$612,990.01000	\$612,990.01
0240 619E16020 FIELD OFFICE, TYPE C	32.00	MNTH	\$2,500.00000	\$80,000.00
0242 624E10000 MOBILIZATION	1.00	LS	\$800,000.00000	\$800,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERI 0.5%	1.00 FORMANCE BON		\$153,247.50000 OR PAYMENT BOND	\$153,247.50
0518	0.00		\$0.00000	\$0.00
0519	0.00		\$0.00000	\$0.00
0520	0.00		\$0.00000	\$0.00
0521	0.00		\$0.00000	\$0.00
			Total for Group	0072: \$1,799,485.01
Group 0073: Design Conting	ency Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTIN	1.00 IGENCY COSTS	LS	\$0.00000	\$0.00
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY 25%	1.00	LS	\$8,112,246.38000	\$8,112,246.38
			Total for Group	0073: \$8,112,246.38
Group 0074: Inflation Conting	gency			
0266 V-OC-CNTG OTHER COSTS, CONTINGENCY	0.00 COSTS	LS	\$0.00000	\$0.00
			T () (

Total for Group 0074: \$0.00

PID	89067		County	HAM		Route		75	Section		0.63	This R	/W Acquisitio	on cost es	tim
Macro View												At	tributes		
Acquisition	Unit (SF) or (Acreage)	х	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	=	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	S
-Residential	0.02	Х	############	\$26,845	+	0	+	N/A	\$0.00	=	\$26,845.33	1	0	1	
-Commercial	0.8	Х	\$659,087.22	\$527,270	+	4843600	+	N/A	\$4,843,600.00	=	\$5,370,869.78	3	0	3	
-Industrial	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
-Agricultural	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
Relocation	Unit (Displacement)	x	*RHP	/*RSP	+	Move Cost	+	Reestabli	ishment	=	Total Non Labor RAP Costs	Estima	te amount of tim all RAP parcel	-	
-Residential Owner Occupant Tenant	0	x x		,000 ,000	+ +	\$6,000 \$1,750				=	\$0 \$0		e number of year uisition begins =		ct wi 1.75
-Commerical/Farm/NPO Owner Tenant	1				x x	\$15,000 \$15,000	++	\$10,\ \$10,\		=	\$25,000 \$0				
-Personal Property	0				Х	\$1,000				=	\$0				
{[(Total Cost of Acquisition Cost)	x0.90]x0.025}+{[(Total o Cost)x0.10]x1.50		• • •	5]x1.20}+{[(Total o	of Acc	quisition		Contin (Incidentals, Admin. Re	• •	n)	1902694.575		placement Hous nt Supplemental		

Macro View					
Labor (External)	Unit (Parcels)	X	Unit Price	=	Total Cost
Titles	4	Х	\$400	=	\$1,600
Appraisal					
-Simple	1	Х	\$750	=	\$750
-Detailed	3	Х	\$4,500	=	\$13,500
Appraisal Review					
-Simple	1	х	\$500	=	\$500
-Detailed	3	х	\$2,000	=	\$6,000
Negotiations	4	Х	\$1,100	=	\$4,400
Relocations					
-Personal Property	0	Х	\$1,500	=	\$0
-Residential	0	Х	\$5,200	=	\$0
-Commercial/Farm/*NPO	1	Х	\$5,600	=	\$5,600
Closings	4	Х	\$400	=	\$1,600
Project Management	4	Х	\$550	=	\$2,200
Asbestos Testing & Abatement		Х		=	
		Tot	al Labor Costs		\$36,150
*NPO = Non-Profit Organization					

Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates		
\$26,845.33	1	0	1	0	Estimate the total number of acres involved in the		
\$5,370,869.78	3	0	3	2	project and allocate those acres into the four		
\$0.00	0	0	0	0	categories shown.		
\$0.00	0	0	0	0	Assign an average unit price for each category. These unit prices are typically taken from the auditors		
Total Non Labor	Estimat	te amount of tim	e necessary	to relocate	tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base		
RAP Costs		all RAP parcel	s = (months)	18	unit prices on a project sales data book instead of tax		
	Estimate	e number of year	rs until projec	ct wide R/W	card data.		
\$0 \$0	acqu	uisition begins =		1.75	Add structure values from the auditors tax cards only if the structures are taken.		
\$25,000 \$0 \$0					Damages must be assessed by a pre-qualified exper with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6 on Major Projects) and requires some knowledge of the impacts of the project on structures.		
1902694.575		placement Hous			Relocation Cost Estimates must consider the		
\$7,325,409.68		nt Supplemental n-Profit Organiza	•		complexity of the move process. All move estimates		
					that involve a business or a mulit-tenant residential structure should use the services of a relocation		
This R/V	V Cost Estim	ate Prepared b	у	Date	Assistance professionnal to accurately gauge costs.		
	Chris Cler	mons	-	8/4/2010	Instructions for Labor Cost Estimates		
					Labor costs are a function of time, distance, an		
This R/W Cost Estir	•	·	6		talent. Labor costs estimates should reflect the complexity of the project and the talent necessary to		
of the PDP for	MAJOR	Projects using			acquire the right of way in a timely manner. The person making the cost estimate may adjust the		
		figures given for the particular project to to reflect local labor costs. It is crit estimate be labeled to reflect the alternative, the step in the PDP proc			figures given for the particular project being estimated to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.		
	Tot	al Labor Costs	\$36	,150.00	Comments		
7	Total Non Labor R/W Costs			25,409.68	Cost/Unit were generated from auditors tax card data		
	Inflatio	n Adjustments	\$44	9,055.14			
			\$7,81				

Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	Structures Impacted	Instruction for Acquisition & Relocation Estimates
\$26,845.33	1	0	1	0	Estimate the total number of acres involved in
\$5,370,869.78	3	0	3	2	project and allocate those acres into the four
\$0.00	0	0	0	0	categories shown.
\$0.00	0	0	0	0	Assign an average unit price for each category These unit prices are typically taken from the a
Total Non Labor	Estimat	te amount of time	e necessary	to relocate	tax card data. Cost Estimates prepared at Ste (Step 7 on Major Projects) and thereafter mus
RAP Costs		all RAP parcel	s = (months)	18	unit prices on a project sales data book instea card data.
	Estimate	e number of year	rs until projec	ct wide R/W	
\$0 \$0	acqu	uisition begins =		1.75	Add structure values from the auditors tax care if the structures are taken.
\$25,000					Damages must be assessed by a pre-qualified with experience in Before & After analysis. The
\$0					usually occurs at Step 4 for Minor projects (Ste
\$0					Major Projects) and requires some knowledge impacts of the project on structures.
1902694.575		placement Hous nt Supplemental	• •		Relocation Cost Estimates must consider the
\$7,325,409.68		n-Profit Organiza			complexity of the move process. All move est that involve a business or a mulit-tenant reside
					structure should use the services of a relocation
This R/V	V Cost Estim	ate Prepared by	у	Date	Assistance professionnal to accurately gauge
	Chris Cler	mons		8/4/2010	Instructions for Labor Cost Estimate
This R/W Cost Esti	mate was per	formed at Step		6	Labor costs are a function of time, distance talent. Labor costs estimates should reflect
of the PDP for	MAJOR	Projects using			complexity of the project and the talent neces acquire the right of way in a timely manner.
		<u> </u>			person making the cost estimate may adjust figures given for the particular project being estimate and the particular project being estimated and the particular project bestimated and the particula
					to reflect local labor costs. It is critical that
					estimate be labeled to reflect the alignme alternative, the step in the PDP process an
					person(s) performing the estimate.
	Tot	al Labor Costs	\$36	s,150.00	Comments
	Total Non La	bor R/W Costs	\$7,32	25,409.68	Cost/Unit were generated from auditors tax ca
	Inflatio	n Adjustments	\$44	9,055.14	
	Т	otal R/W Costs	\$7,81	0,614.82	

P.D.P. R/W Cost Estimator

Total Non Labor R/W Costs

Estimate Alt E OH cont 5

Estimated Cost: \$160,063,863.43 Contingency: 51.30% Estimated Total: \$242,176,625.37

OH-5 Reconstruct I-75 from Findlay to the Northern Terminus of the Corridor Base Date: 07/22/10 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: 8 Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt E OH cont 5				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
Group 0001: Pavement Remova	al			
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	121,484.00	SY	\$8.00000	\$971,872.00
			Total for Group 0001:	\$971,872.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$30.00000	\$0.00
0532 203E10001	9,835.00	CY	\$30.00000	\$295,050.00
EXCAVATION, AS PER PLAN			Total for Group 0002:	\$295,050.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0344 203E10000	132,253.00	CY	\$8.00000	\$1,058,024.00
EXCAVATION			Total for Group 0003: \$	1 058 024 00
				.,,.
Group 0004: Excavation - Haza	rdous	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY	1.00	20		
			Total for Group	0004: \$0.00
Group 0005: Fill - Embankment	,	Ŭ	,	
0007 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0345 203E20000 EMBANKMENT	273,627.00	CY	\$6.00000	\$1,641,762.00
			Total for Group 0005: \$7	1,641,762.00
Group 0006: Fill - Lime Modified	d Soil			
0010 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0346 205E10050 LIME STABILIZED EMBANKMENT	0.00	CY	\$7.00000	\$0.00
0347 205E10300 LIME	0.00	TON	\$5.00000	\$0.00
			Total for Group	0006: \$0.00
Group 0007: Fill - Borrow				
0011 A-MC-RDWY	131,539.00	CY	\$8.00000	\$1,052,312.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0007: \$	1.052.312.00
				.,
Group 0008: Concrete Barrier	1.00	IS	\$0.00000	\$0.00
3:42:13PM	1.00	20	ψ0.00000	
Wednesday, December 01, 2010				Page 2 of 12

Estimate: Alt E OH cont 5				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
MAJOR COST DRIVERS, ROADWAY				
0465 622E10060 CONCRETE BARRIER, SINGLE SLOPE	18,340.00 , TYPE B	FT	\$110.00000	\$2,017,400.00
			Total for Group 0008: \$	52,017,400.00
Group 0009: Subgrade Treatmen	t - Lime			
0014 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300	0.00	TON	\$10.00000	\$0.00
LIME 0350 206E11000	0.00	SY	\$1.00000	\$0.00
CURING COAT 0351 206E20000	0.00	HOUR	\$4.00000	\$0.00
TEST ROLLING			Total for Group	0009: \$0.00
Group 0010: Subarada Treatmen	t - Come	nt		
Group 0010: Subgrade Treatmen	1 - Ceme 383,252.00		\$2.50000	\$958,130.00
MAJOR COST DRIVERS, ROADWAY	,			
			Total for Group 0010:	φ930,130.00
Group 0011: Subgrade Treatmen			Backfill	
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
			Total for Group	0011: \$0.00
Group 0012: Other Roadway Cos	sts			
0019 A-OC-RDWY OTHER COSTS, ROADWAY	0.00	LS	\$0.00000	\$0.00
Contingency	0.00	10		#0.00
0020 201E11000 CLEARING AND GRUBBING	0.00		\$856,500.00000	\$0.00
0021 201E21800 TREE REMOVED, 18" SIZE	0.00	EACH	\$250.00000	\$0.00
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0028 202E35200 PIPE REMOVED, OVER 24"	0.00	FT	\$0.00000	\$0.00
0029 202E38000 GUARDRAIL REMOVED	0.00	FT	\$0.00000	\$0.00
0030 202E42206 ANCHOR ASSEMBLY REMOVED	0.00	EACH	\$0.00000	\$0.00
0031 202E58000 MANHOLE REMOVED	0.00	EACH	\$0.00000	\$0.00
0032 202E58100	0.00	EACH	\$0.00000	\$0.00
CATCH BASIN REMOVED 0033 202E75000	0.00	FT	\$0.00000	\$0.00

stimate: Alt E OH cont 5				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description				
Supplemental Description				
FENCE REMOVED				
0034 204E45000	0.00	HOUR	\$126.59000	\$0.00
PROOF ROLLING			• • • • • • • • • • • • • • • • • • • •	
0035 204E10000	0.00	SY	\$0.81000	\$0.00
SUBGRADE COMPACTION				
0036 451E30000	0.00	FT	\$0.00000	\$0.00
SPECIAL - PRESSURE RELIEF JOIN		FT	¢14.00000	¢00.000.00
0037 606E13000	1,863.00	FT	\$14.00000	\$26,082.00
GUARDRAIL, TYPE 5 0038 606E22000	0.00	EACH	\$1,411.29597	\$0.00
ANCHOR ASSEMBLY, TYPE B-98	0.00	EACH	\$1,411.29597	φ0.00
039 606E22010	0.00	EACH	\$1,712.52574	\$0.00
ANCHOR ASSEMBLY, TYPE E-98	0.00		v · ,· · - · ·· · ·	\$0.00
0040 606E26500	0.00	EACH	\$487.23435	\$0.00
ANCHOR ASSEMBLY, TYPE T				
0041 606E35000	0.00	EACH	\$969.12750	\$0.00
BRIDGE TERMINAL ASSEMBLY, TY			•••••	.
042 606E35100	0.00	EACH	\$338.36354	\$0.00
BRIDGE TERMINAL ASSEMBLY, TY		EACH	¢2,420,05907	\$0.00
0043 606E60010 IMPACT ATTENUATOR, TYPE 1-98			\$3,439.05897	φ0.00
044 607E15000	0.00		\$0.00000	\$0.00
FENCE, TYPE 47	0.00	••	\$6.00000	φ0.00
For Fencing				
423 304E20000	0.00	CY	\$0.00000	\$0.00
AGGREGATE BASE				
For Fencing				
0424 601E32100	0.00	•.	\$0.00000	\$0.00
ROCK CHANNEL PROTECTION, TY	PE B WITH FIL	TER		
For Fencing	0.00	FACU	Ф Т О4 04044	\$0.00
0425 607E40500	0.00	EACH	\$731.31641	\$0.00
GATE, TYPE 47 For Fencing				
)426 625E32000	0.00	EACH	\$0.00000	\$0.00
GROUND ROD	0.00	Entern	\$6.00000	φ0.00
For Fencing				
0466	0.00		\$0.00000	\$0.00
			Total for Group 0012:	\$26,082.00
				. ,
oup 0014: Seeding & Mulchi	ng / Soddir	na		
0045 B-MC-ERCO	1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSION		20	ψ0.00000	ψ0.00
)467 659E10000	0.00	SY	\$1,00000	\$0.00

0467	659E10000	0.00	SY	\$1.00000	\$0.00	
SEE	EDING AND MULCHING					
0531	660E25000	0.00	SY	\$15.00000	\$0.00	
SO	DDING STAKED					
				Total for Group 0014: S	\$0.00	
					\$0.00	

Group 0015: Rock Channel Protection

0047 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00		
MAJOR COST DRIVERS, EROS	ION CONTROL					
0469 601E32000	24.00	CY	\$75.00000	\$1,800.00		
ROCK CHANNEL PROTECTION, TYPE A WITH FILTER						

Total for Group 0015: \$1,800.00

Estimate: Alt E OH cont 5				PB Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
Group 0016: Erosion Control - It	em 832			
0048 B-MC-ERCO MAJOR COST DRIVERS, EROSION C		LS	\$0.00000	\$0.00
0470 832E10000 STORM WATER POLLUTION PREVEN	1.00	LS	\$50,000.00000	\$50,000.00
0471 832E20000 EROSION CONTROL	120,000.00	EACH	\$1.00000	\$120,000.00
			Total for Group 0016:	\$170,000.00
Group 0017: Other Erosion Cont	trol Costs			
0049 670E00700 DITCH EROSION PROTECTION	0.00	SY	\$0.00000	\$0.00
0050 B-OC-ERCO OTHER COSTS, EROSION CONTROL	1.00	LS	\$0.00000	\$0.00
0051 659E00100 SOIL ANALYSIS TEST	0.00	EACH	\$0.00000	\$0.00
0052 659E00300 TOPSOIL	0.00	CY	\$0.00000	\$0.00
0053 659E14000 REPAIR SEEDING AND MULCHING	0.00	SY	\$0.00000	\$0.00
0054 659E15000 INTER-SEEDING	0.00	SY	\$0.71000	\$0.00
0055 659E20000 COMMERCIAL FERTILIZER	0.00	TON	\$410.06813	\$0.00
0056 659E31000 LIME	0.00	ACRE	\$0.00000	\$0.00
0057 659E35000 WATER	0.00	MGAL	\$5.00000	\$0.00
0058 659E40000 MOWING	0.00	MSF	\$0.00000	\$0.00
MOWING			Total for Group	0017: \$0.00
Group 0018: Underdrains				
0059 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0062 605E05100	62,408.00	FT	\$8.00000	\$499,264.00
4" SHALLOW PIPE UNDERDRAINS			Total for Group 0018:	\$499,264.00
Group 0019: Culverts - Type A:	< 5'			
0474 C-MC-DRNG	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0480 C-MC-DRNG	0.00	FT	\$350.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete F			#4 500 00000	\$0.00
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Group	0019: \$0.00
Group 0021: Culverts, Type A: 5	' - 10'			
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
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Estimate: Alt E OH cont 5				PB Americas, Inc.
Line # <u>Item Number</u> Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
0476 C-MC-DRNG	0.00	FT	\$550.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete			4000.00000	ţ0.00
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		EACH	\$1,500.00000	\$0.00
Controloto Produttano, Mingitano			Total for Group 002	21: \$0.00
Group 0022: Culverts, Type A: 1	0' - 20'			
0486 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0487 C-MC-DRNG	0.00	FT	\$1,400.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete				
0488 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Group 002	22: \$0.00
				¢0.00
Group 0024: BMP's 0076 C-MC-DRNG	1.00	18	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE	1.00	LO		
			Total for Group 002	24: \$0.00
Group 0025: Closed Storm Syst	em			
0077 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0489 603E13400 30" CONDUIT, TYPE B (Average size)	12,495.00	FT	\$75.00000	\$937,125.00
0523 604E00800 CATCH BASIN, NO. 3A	126.00	EACH	\$1,500.00000	\$189,000.00
0524 604E31500 MANHOLE, NO. 3	13.00	EACH	\$3,000.00000	\$39,000.00
0526 Special	0.00	LS	\$6,400,000.00000	\$0.00
Pump Station (Storm) 0527 Special	0.00	EACH	\$5,750.00000	\$0.00
Stormceptors 0529 Special	0.00	LS	\$109,000.00000	\$0.00
Retention basin improvements 0533 604E36601		EACH	\$1,250.00000	\$2,500.00
PRECAST REINFORCED CONCRETE	OUTLET, AS	S PER PLA	N Total for Group 0025: \$1,1	67,625.00
Croup 0026. Other Dreiness Co	oto		,	
Group 0026: Other Drainage Co	SIS 1.00	LS	\$0.00000	\$0.00
OTHER COSTS, DRAINAGE	1.00	20		
			Total for Group 002	20. φU.UU
Group 0027: Mainline - Travel La				
0095 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00		\$0.00000	\$0.00
0494 D-MC-PVMT	67,878.00	SY	\$68.00000	\$4,615,704.00
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Estimate: Alt E OH cont 5				PB Americas, Inc.
<u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Co	ompaction			
			Total for Group 0027:	\$4,615,704.00
Group 0028: Mainline - Outside	Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Co	21,164.00	SY	\$68.00000	\$1,439,152.00
			Total for Group 0028:	\$1,439,152.00
Group 0030: Mainline - Inside Sl	houlder			
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Co	15,864.00	SY	\$68.00000	\$1,078,752.00
	,		Total for Group 0030:	\$1,078,752.00
Group 0031: Ramps (including s	houlders)		
0122 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0497 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Co	33,743.00	SY	\$68.00000	\$2,294,524.00
	mpaonon		Total for Group 0031:	\$2,294,524.00
Group 0032: Non - Mainline Lan	es			
0132 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0498 D-MC-PVMT Asphalt	244,603.00	SY	\$41.00000	\$10,028,723.00
Includes 3" 448, 9" 301, 6" Agg base an	nd Subgrade	Compaction	Total for Group 0032: \$	10 028 723 00
				10,020,723.00
Group 0041: Other Pavement Co 0163 D-OC-PVMT	0StS 1.00	IS	\$0.00000	\$0.00
OTHER COSTS, PAVEMENT	1.00	20		ıp 0041: \$0.00
-				ip 0041. \$0.00
Group 0042: Water Works 0164 E-MC-WATR	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, WATER LINE 0165 E-OC-WATR			\$0.00000	\$0.00
OTHER COSTS, WATER LINE	0.00	20		
			I OTAL TOT Grou	ıp 0042: \$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI 3:42:13PM	0.00	LS	\$0.00000	\$0.00
Wednesday, December 01, 2010				Page 7 of 12

Estimate: Alt E OH cont 5			P	B Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
MAJOR COST DRIVERS, SANITARY S	SEWER			
			Total for Group 004	3: \$0.00
Group 0044: Lighting - Full Inter	change			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	EACH	\$469,000.00000	\$469,000.00
			Total for Group 0044: \$46	9,000.00
Croup 0045: Lighting Dortiol In	torohonar			
Group 0045: Lighting - Partial In 0288 G-MC-LTNG	0.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING			Total for Group 004	5: \$0.00
				- -
Group 0046: Lighting - Continuo		•		
0176 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00		\$0.00000	\$0.00
0500 G-MC-LTNG Lighting - Continuous	10,720.00	FT	\$35.00000	\$375,200.00
5 5			Total for Group 0046: \$37	5,200.00
Group 0047: Other Lighting Cos	ts			
0177 G-OC-LTNG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, LIGHTING			Total for Group 004	7: \$0.00
				Τ. ΦΟ.ΟΟ
Group 0048: Traffic Surveillance	;			
0178 H-OC-SURV OTHER COSTS, TRAFFIC SURVEILLA	1.00	LS	\$1,210,022.02000	\$1,210,022.02
			Total for Group 0048: \$1,21	0,022.02
Group 0049: Signs				
0179 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CO 0501 J-MC-TRAF	ONTROL 2.03	MILE	\$250,000.00000	\$507,500.00
Signs				
			Total for Group 0049: \$50	7,300.00
Group 0050: Pavement Marking				
0200 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC CO	1.00 NTROL	LS	\$0.00000	\$0.00
0502 644E00100 EDGE LINE	10.98	MILE	\$3,000.00000	\$32,940.00
0503 644E00200 LANE LINE	11.91	MILE	\$2,000.00000	\$23,820.00
			Total for Group 0050: \$5	6,760.00

Estimate: Alt E OH cont 5 Line # Item Number Qua Description Supplemental Description	<u>intity</u>	<u>Units</u>	Unit Price	PB Americas, Inc. <u>Extension</u>
Group 0051: Other Traffic Control Co 0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL	sts 1.00	LS	\$0.00000 Total for Group	\$0.00 0051: \$0.00
Group 0052: Signals - Intersections				
0212 K-MC-SGNL MAJOR COST DRIVERS, SIGNALS	4.00	LS	\$175,000.00000	\$700,000.00
			Total for Group 0052:	\$700,000.00
Group 0053: Other Traffic Signal Cos	ts			
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
			Total for Group	0053: \$0.00
Group 0054: Landscaping				
0214 L-MC-LSCP MAJOR COST DRIVERS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
0215 L-OC-LSCP OTHER COSTS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, LANDSCAPING			Total for Group	0054: \$0.00
Group 0055: Retaining Walls \$125 +	\$10/	ft for caps	barriers and testing	
0216 M-MC-WALL	1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, RETAINING WALLS 0504 M-MC-WALL 278,12		SF	\$135.00000	\$37,546,335.00
Retaining Walls			Total for Group 0055: \$3	7,546,335.00
Group 0056: Other Retaining Wall Co	ote			
0217 M-OC-WALL	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, RETAINING WALLS			Total for Group	0.0056° \$0.00
Group 0057: Building Demolition	1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, BUILDING DEMOLI 0219 N-OC-DEMO		LS	\$0.00000	\$0.00
OTHER COSTS, BUILDING DEMOLITION 0534 202E98100		EACH	\$8,500.00000	\$0.00
REMOVAL MISC.: Radio Tower	0.00	LAON	40,000.00000	φ0.00
	10.00	EACH	\$7,500.00000	\$75,000.00
0536 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Commercial	4.00	EACH	\$15,000.00000	\$60,000.00
0537 202E56101 BUILDING DEMOLISHED, AS PER PLAN	5.00	EACH	\$12,000.00000	\$60,000.00
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Estimate: Alt E OH cont 5				PB Americas, Inc.
Line # Item Number Q Description Supplemental Description	uantity	<u>Units</u>	<u>Unit Price</u>	Extension
Large Residential				
0538 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Commercial	0.00	EACH	\$30,000.00000	\$0.00
Large Commercial			Total for Group 0057: S	\$195,000.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIER			\$0.00000	\$0.00
0505 P-MC-NSBR Noise Barrier	0.00	LS	\$25.00000	\$0.00
			Total for Group (058: \$0.00
Group 0059: Other Noise Barrier Co	osts			
0221 P-OC-NSBR OTHER COSTS, NOISE BARRIER	1.00	LS	\$0.00000	\$0.00
0368 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIER	0.00	LS	\$0.00000	\$0.00
			Total for Group (0059: \$0.00
Group 0060: New Structures				
0222 R-MC-STRC	1.00	LS	\$0.00000	\$0.00
	,873.00	SF	\$125.00000	\$18,484,125.00
Tier 1 Structures to 25' Height 0507 R-MC-STRC	0.00	SF	\$12.00000	\$0.00
	,928.00		\$17.00000	\$1,715,776.00
	,786.00	SF	\$30.00000	\$3,923,580.00
	ery comj ,985.00		\$150.00000	\$26,697,750.00
Tier 2 Structures 25' to 50' Height 0516 R-MC-STRC	0.00	SF	\$200.00000	\$0.00
Tier 3 Structures 50' to 75' Height			Total for Group 0060: \$50	,821,231.00
Oracum 0004. Dahahilitatad Otmustum			•	
Group 0061: Rehabilitated Structure	9S 0.00	SF	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES	0.00	01		
			Total for Group (001: \$0.00
Group 0062: Other Structure Costs				
0224 R-OC-STRC OTHER COSTS, STRUCTURES Contingency	0.00	LS	\$0.00000	\$0.00
			Total for Group (0062: \$0.00
Group 0063: Temporary Road and	Paven	nent Costs	3	
0225 S-MC-MNTC MAJOR COST DRIVERS, MAINTENANCE	1.00	LS	\$0.00000	\$0.00
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Estimate: Alt E OH cont 5		PB A	mericas, Inc.
Line # Item Number Description Supplemental Description	Quantity Units	<u>Unit Price</u>	<u>Extension</u>
		Total for Group 0063:	\$0.00
Group 0064: Portable Concrete	e Barrier (PCB)		
0226 S-MC-MNTC MAJOR COST DRIVERS, MAINTENA	1.00 LS	\$0.00000	\$0.00
		Total for Group 0064:	\$0.00
Group 0065: Impact Attenuator	S		
0227 S-MC-MNTC MAJOR COST DRIVERS, MAINTENA	1.00 LS	\$0.00000	\$0.00
		Total for Group 0065:	\$0.00
Group 0066: Sheeting			
0229 S-MC-MNTC MAJOR COST DRIVERS, MAINTENA	1.00 LS	\$0.00000	\$0.00
		Total for Group 0066:	\$0.00
Group 0067: Temporary Signal	s		
0230 S-MC-MNTC	0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENA	ANCE OF TRAFFIC	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lightir	זמ		
0231 S-MC-MNTC	0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENA	ANCE OF TRAFFIC	Total for Group 0068:	\$0.00
			QUICE
Group 0069: Innovative Contra 0232 S-MC-MNTC	0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENA	ANCE OF TRAFFIC	Total for Group 0069:	\$0.00
			,
Group 0070: Other MOT Costs 0233 S-OC-MNTC	1.00 LS	\$0.00000	\$0.00
OTHER COSTS, MAINTENANCE OF 0512 S-OC-MNTC			1,015,000.00
OTHER COSTS, MAINTENANCE OF	TRAFFIC		
		Total for Group 0070: \$1,015,0	00.00
Group 0071: Wetland Construct	tion		
0234 T-MC-WTLD MAJOR COST DRIVERS, WETLAND	0.00 LS CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD MAJOR COST DRIVERS, WETLAND	0.00 LS	\$0.00000	\$0.00
		Total for Group 0071:	\$0.00
Group 0072: Misc. Costs			

Estimate:	Alt E OH cont 5				PB Americas, Inc.
Desc	<u>Item Number</u> cription plemental Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
	U-MC-MISC OR COST DRIVERS, MISCELLANE	0.00 EOUS COST		\$0.00000	\$0.00
0200	U-OC-MISC ER COSTS, MISCELLANEOUS CC	0.00 STS	LS	\$0.00000	\$0.00
0237 SPE	100E00300	1.00		\$10,000.00000 C LIABILITY AND PROPERTY DAMAGE	\$10,000.00
	623E10000 ISTRUCTION LAYOUT STAKES	1.00	LS	\$611,061.12000	\$611,061.12
	614E11000 NTAINING TRAFFIC	1.00	LS	\$2,444,244.48000	\$2,444,244.48
0240 FIEL	619E16020 D OFFICE, TYPE C	65.00	MNTH	\$2,500.00000	\$162,500.00
0242	624E10000 BILIZATION	1.00	LS	\$2,000,000.00000	\$2,000,000.00
0511 PRE <i>0.5%</i>	103E05000 MIUM FOR CONTRACT PERFORM		LS D AND FO		\$611,061.12
Croup	0072: Design Contingene	(Cooto		Total for Group 0072: \$	5,838,866.72

Group 0073: Design Contingency Costs

0243 V-MC-CNTG MAJOR COST DRIVERS, CONTINGENO	1.00 Y COSTS	LS	\$0.00000	\$0.00
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY COSTS 25%	1.00 S	LS	\$32,012,772.69000	\$32,012,772.69
			Total for Group 0073:	\$32,012,772.69

Group 0074: Inflation Contingency

0266 V-OC-CNTG OTHER COSTS, CONTINGENCY COSTS	0.00	LS	\$0.00000	\$0.00
			Total for Group 0074: \$	

Total for Group 0074: \$0.00

PID	89069	County	HAM	Route	75	Section	1.9	This R/W Acquisition cost estimate
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Macro View												A	ttributes			
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	=	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cos Estimates
Residential	2.18	Х	\$128,297.57	\$279,689	+	782660	+	N/A	\$782,660.00	=	\$1,062,348.70	31	27	4	15	Estimate the total number of acres involved in the
Commercial	1.1	Х	\$93,288.38	\$102,617	+	642800	+	N/A	\$642,800.00	=	\$745,417.22	23	8	15	4	project and allocate those acres into the four
Industrial	0.39	X	\$142,576.25	\$55,605	+	0	+	N/A	\$0.00	=	\$55,604.74	13	3	10	0	categories shown.
Agricultural	0	X	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	0	Assign an average unit price for each category. These unit prices are typically taken from the audit
Relocation	Unit (Displacement)	x	*RHP	/*RSP	+	Move Cost	+	Reestabli	shment	=	Total Non Labor RAP Costs	Estima	ate amount of tim			tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must bas unit prices on a project sales data book instead of
-Residential Owner Occupant Tenant	14 27	x x	-	I,000 0,000	++++	\$6,000 \$1,750				= =	\$560,000 \$317,250		e number of year uisition begins =		ct wide R/W 2	 Card data. Add structure values from the auditors tax cards or if the structures are taken.
-Commerical/Farm/NPO Owner Tenant	2 2				x x	\$15,000 \$15,000	++	\$10,0 \$10,0		=	\$50,000 \$50,000					Damages must be assessed by a pre-qualified exp with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6
-Personal Property	0				Х	\$1,000				=	\$0					Major Projects) and requires some knowledge of the impacts of the project on structures.
{[(Total Cost of Acquisition Cost)x0.90]x0.025}+{[(Total of Acquisition Cost)x0.15]x1.20}+{[(Total of Acquisition Cost)x0.10]x1.50} = Contingency		quisition	(placement Housing Payment It Supplemental Payment			Relocation Cost Estimates must consider the						
																I complexity of the move process. All move estimate
Macro View								Total Non Lab	or R/W Costs		\$3,497,458.82	"NPO - No	on-Profit Organiza	ation		complexity of the move process. All move estimate that involve a business or a mulit-tenant residentia structure should use the services of a relocation
Macro View Labor (External)	Unit (Parcels)	X	Unit	Price	=	Total Cost	1	Total Non Lab	or R/W Costs						Date	that involve a business or a mulit-tenant residentia
	Unit (Parcels) 67	X X		Price 400	=	Total Cost \$26,800		Total Non Lab	or R/W Costs				nate Prepared b		Date	that involve a business or a mulit-tenant residentia structure should use the services of a relocation
Labor (External)	· · · · ·	x x x x	\$4		=			Total Non Lab	or R/W Costs			V Cost Estin Chris Cle	nate Prepared b		Date 8/4/2010	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple	67 12 55 12	x x x x x	\$4 \$7 \$4 \$5	400 750 ,500 500	=	\$26,800 \$9,000 \$247,500 \$6,000		Total Non Lab	or R/W Costs		This R/M	V Cost Estin Chris Cle mate was pe	nate Prepared b		8/4/2010	that involve a business or a mulit-tenant residentia structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed	67 12 55 12 12 55	X X X X X X X X X	\$4 \$7 \$4 \$5 \$2	400 750 ,500 500 ,000	=	\$26,800 \$9,000 \$247,500 \$6,000 \$110,000		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir	V Cost Estin Chris Cle mate was pe	nate Prepared b emons rformed at Step		8/4/2010	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimat to reflect local labor costs. It is critical that the
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential	67 12 55 12	X X X X X X X X X X X X X	\$4 \$7 \$4 \$2 \$2 \$1 \$1	400 750 ,500 500		\$26,800 \$9,000 \$247,500 \$6,000		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir	V Cost Estin Chris Cle mate was pe MAJOR	nate Prepared b emons rformed at Step Projects using	y	6	that involve a business or a mulit-tenant residentia structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimate
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property	67 12 55 12 55 67 0 41 4	X X X X X X X X X X X X X	\$4 \$7 \$4 \$4 \$2 \$1 \$1 \$5 \$5	400 750 ,500 500 ,000 ,100 ,500 ,200 ,600		\$26,800 \$9,000 \$247,500 \$6,000 \$110,000 \$73,700 \$0 \$213,200 \$22,400		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir	V Cost Estin Chris Cle mate was pe MAJOR	nate Prepared b emons rformed at Step	y	8/4/2010	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimat to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential -Commercial/Farm/*NPO Closings	67 12 55 12 55 67 0 41 4 67	X X X X X X X X X X X X X X X X X X X	\$4 \$7 \$4 \$5 \$1 \$5 \$5 \$5 \$5 \$5	400 750 ,500 500 ,000 ,100 ,500 ,200 ,600 400		\$26,800 \$9,000 \$247,500 \$6,000 \$110,000 \$73,700 \$0 \$213,200 \$22,400 \$26,800		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir of the PDP for	V Cost Estin Chris Cle mate was pe MAJOR	nate Prepared b emons rformed at Step Projects using	y	6	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estima to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential -Commercial/Farm/*NPO Closings Project Management	67 12 55 12 55 67 0 41 4	X X X X X X X X X X X X X X X X X X X	\$4 \$7 \$4 \$5 \$1 \$5 \$5 \$5 \$5 \$5	400 750 ,500 500 ,000 ,100 ,500 ,200 ,600		\$26,800 \$9,000 \$247,500 \$6,000 \$110,000 \$73,700 \$0 \$213,200 \$22,400		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir of the PDP for	V Cost Estin Chris Cle mate was pe MAJOR	nate Prepared b emons rformed at Step Projects using	y	8/4/2010 6 2,250.00	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimat to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential -Commercial/Farm/*NPO	67 12 55 12 55 67 0 41 4 67	X X X X X X X X X X X X X X X X X X X	\$2 \$7 \$4 \$5 \$5 \$5 \$5 \$5 \$5	400 750 ,500 500 ,000 ,100 ,500 ,200 ,600 400 550		\$26,800 \$9,000 \$247,500 \$6,000 \$110,000 \$73,700 \$0 \$213,200 \$22,400 \$26,800 \$36,850		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir of the PDP for	V Cost Estin Chris Cle mate was pe MAJOR To Total Non La	nate Prepared b emons rformed at Step Projects using	y \$77. \$3,45	8/4/2010 6 2,250.00	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimat to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential -Commercial/Farm/*NPO Closings Project Management	67 12 55 12 55 67 0 41 4 67	X X X X X X X X X X X X X X X X X X X	\$4 \$7 \$4 \$5 \$1 \$5 \$5 \$5 \$5 \$5	400 750 ,500 500 ,000 ,100 ,500 ,200 ,600 400 550		\$26,800 \$9,000 \$247,500 \$6,000 \$110,000 \$73,700 \$0 \$213,200 \$22,400 \$26,800		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir of the PDP for	V Cost Estin Chris Cle mate was pe MAJOR To Total Non La Inflatio	nate Prepared b emons rformed at Step Projects using tal Labor Costs	y \$77. \$3,4 \$35	8/4/2010 6 2,250.00 97,458.82	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estima to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.

Macro View					
Labor (External)	Unit (Parcels)	Χ	Unit Price	=	Total Cost
Titles	67	Х	\$400	=	\$26,800
Appraisal -Simple	12	х	\$750	=	\$9,000
-Detailed	55	Х	\$4,500	=	\$247,500
Appraisal Review					
-Simple	12	Х	\$500	=	\$6,000
-Detailed	55	х	\$2,000	=	\$110,000
Negotiations	67	Х	\$1,100	=	\$73,700
Relocations	0	V	¢4 500		* 0
-Personal Property -Residential	0 41	X X	\$1,500 \$5,200	=	\$0 \$213,200
-Commercial/Farm/*NPO	4	x	\$5,600	=	\$213,200 \$22,400
Closings	67	Х	\$400	=	\$26,800
Project Management	67	Х	\$550	=	\$36,850
Asbestos Testing & Abatement		Х		=	
		Tota	al Labor Costs		\$772,250
*NPO = Non-Profit Organization	•				-

		Att	ributes					
	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates		
	\$1,062,348.70	31	27	4	15	Estimate the total number of acres involved in the		
	\$745,417.22	23	8	15	4	project and allocate those acres into the four		
	\$55,604.74	13	3	10	0	categories shown.		
	\$0.00	0	0	0	0	Assign an average unit price for each category. These unit prices are typically taken from the auditors		
	Total Non Labor	Estima	te amount of time	e necessary	to relocate	tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base		
	RAP Costs		all RAP parcels	s = (months)	24	unit prices on a project sales data book instead of tax card data.		
	* =00.000	Estimate	e number of year	rs until projec	t wide R/W			
	\$560,000 \$317,250	acqu	uisition begins =		2	Add structure values from the auditors tax cards only if the structures are taken.		
						Damages must be assessed by a pre-qualified expert		
	\$50,000 \$50,000					with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6 on		
	\$0					Major Projects) and requires some knowledge of the		
	656838.157	*RHP - Re	placement Hous	ing Payment		impacts of the project on structures.		
_	\$3,497,458.82	*RSP - Rent Supplemental Payment			complexity of the move process. All move es			
	ψ3, 43 7,430.02	56.02 Web a North Tont Organization				that involve a business or a mulit-tenant residential structure should use the services of a relocation		
[Assistance professionnal to accurately gauge costs.		
	This R/W	/ Cost Estim	ate Prepared by	Date				
		Chris Cle	mons		8/4/2010	Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and		
	This R/W Cost Estir	nate was per	formed at Step		6	talent. Labor costs estimates should reflect the		
	of the PDP for	MAJOR	Projects using			complexity of the project and the talent necessary to acquire the right of way in a timely manner. The		
						person making the cost estimate may adjust the figures given for the particular project being estimated		
						to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment		
						alternative, the step in the PDP process and the person(s) performing the estimate.		
		Tot	al Labor Costs	\$772	2,250.00	Comments		
					17,458.82	Cost/Unit were generated from auditors tax card data.		
		Inflatio	n Adjustments	\$350),116.12			
		Т	otal R/W Costs	\$4,61	9,824.94			
1								

	Att	ributes			
Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates
\$1,062,348.70	31	27	4	15	Estimate the total number of acres involved in the
\$745,417.22	23	8	15	4	project and allocate those acres into the four
\$55,604.74	13	3	10	0	categories shown.
\$0.00	0	0	0	0	Assign an average unit price for each category. These unit prices are typically taken from the auditors
Total Non Labor RAP Costs	Estimat	te amount of time all RAP parcels	-		tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base unit prices on a project sales data book instead of tax card data.
\$560,000 \$317,250		e number of year uisition begins =	s until projec	et wide R/W 2	Add structure values from the auditors tax cards only if the structures are taken.
\$50,000 \$50,000 \$0					Damages must be assessed by a pre-qualified expert with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6 on Major Projects) and requires some knowledge of the
656838.157		placement Hous			impacts of the project on structures. Relocation Cost Estimates must consider the
\$3,497,458.82	*RSP - Rent Supplemental Payme \$3,497,458.82 *NPO - Non-Profit Organization				complexity of the move process. All move estimates that involve a business or a mulit-tenant residential
					structure should use the services of a relocation
This R/W	/ Cost Estim	ate Prepared by	y	Date	Assistance professionnal to accurately gauge costs.
	Chris Cler	mons		8/4/2010	Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and
This R/W Cost Estir	nate was per	formed at Step		6	talent. Labor costs estimates should reflect the
of the PDP for	MAJOR	Projects using			complexity of the project and the talent necessary to acquire the right of way in a timely manner. The
				person making the cost estimate may adjust the figures given for the particular project being estimated to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.	
	Tot	al Labor Costs	\$772	2,250.00	Comments
٦	Γotal Non La	bor R/W Costs	\$3,49	7,458.82	Cost/Unit were generated from auditors tax card data.
	Inflatio	n Adjustments	\$350),116.12	
	Т	otal R/W Costs	\$4,61	9,824.94	

Estimate Alt E OH cont 6

Estimated Cost: \$24,818,545.94 Contingency: 57.60% Estimated Total: \$39,114,028.40

OH-6 Reconstruction from North of Linn St to Findlay St Base Date: 07/22/10 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: District: Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Line # Item Number Description Supplemental DescriptionQuantityUnitsUnit PriceExtensionGroup 0001: Pavement Removal0001 A-MC-RDWY0.00 LS\$0.00000\$0.00
Group 0001: Pavement Removal 0001 A-MC-RDWY 0.00 LS \$0.00000 \$0.00
0001 A-MC-RDWY 0.00 LS \$0.00000 \$0.00
MAJOR COST DRIVERS, ROADWAY
0343 202E23000 72,055.00 SY \$8.00000 \$576,440.00 PAVEMENT REMOVED
Total for Group 0001: \$576,440.00
Group 0002: Excavation - Rock
0003 A-MC-RDWY 0.00 CY \$30.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY
Total for Group 0002: \$0.00
Group 0003: Excavation - Soil
0004 A-MC-RDWY 1.00 LS \$0.00000 \$0.00
MAJOR COST DRIVERS, ROADWAY 0344 203E10000 121,755.00 CY \$8.00000 \$974,040.00
EXCAVATION Total for Group 0003: \$974,040.00
Group 0004: Excavation - Hazardous 0006 A-MC-RDWY 1.00 LS \$0.00000 \$0.00
MAJOR COST DRIVERS, ROADWAY
Total for Group 0004: \$0.00
Group 0005: Fill - Embankment (includes wasting excess excavation)
0007A-MC-RDWY1.00LS\$0.00000\$0.00MAJOR COST DRIVERS, ROADWAY1.00LS\$0.00000\$0.00
0345 203E20000 121,755.00 CY \$6.00000 \$730,530.00 EMBANKMENT
Total for Group 0005: \$730,530.00
Group 0006: Fill - Lime Modified Soil
0010 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY
0346 205E10050 0.00 CY \$7.00000 \$0.00 LIME STABILIZED EMBANKMENT
0347 205E10300 0.00 TON \$5.00000 \$0.00 LIME
Total for Group 0006: \$0.00
Group 0007: Fill - Borrow
0011 A-MC-RDWY 0.00 CY \$8.00000 \$0.00
MAJOR COST DRIVERS, ROADWAY Total for Group 0007: \$0.00
Group 0008: Concrete Barrier 0012 A-MC-RDWY 1.00 LS \$0.00000 \$0.00
MAJOR COST DRIVERS, ROADWAY 4,953.00 FT \$110.00000 \$544,830.00
4:07:47PM Wednesday, December 01, 2010 Page 2 of 12

Estimate: Alt E OH cont 6				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE	, TYPE B		Total for Croup 0009:	¢544 820 00
			Total for Group 0008:	φ 344,030.00
Group 0009: Subgrade Treatmen	t - Lime			
0014 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
			Total for Group	0009: \$0.00
Group 0010: Subgrade Treatmen	t - Ceme	ent		
0016 A-MC-RDWY	93,609.00		\$2.50000	\$234,022.50
MAJOR COST DRIVERS, ROADWAY			Total for Group 0010:	\$234,022.50
Group 0011: Subgrade Treatmen	t - Unde	rcut &	Backfill	
0017 A-MC-RDWY	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group	0011: \$0.00
			,	·
Group 0012: Other Roadway Cos		18	\$0,0000	00.02
OTHER COSTS, ROADWAY Contingency	0.00	L3	\$0.00000	\$0.00
0020 201E11000 CLEARING AND GRUBBING	0.00	LS	\$856,500.00000	\$0.00
0021 201E21800	0.00	EACH	\$250.00000	\$0.00
TREE REMOVED, 18" SIZE 0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000	0.00	LS	\$9,310.13000	\$0.00
STRUCTURE REMOVED 0028 202E35200	0.00	FT	\$0.00000	\$0.00
PIPE REMOVED, OVER 24" 0029 202E38000 GUARDRAIL REMOVED	0.00	FT	\$0.00000	\$0.00
0030 202E42206	0.00	EACH	\$0.00000	\$0.00
ANCHOR ASSEMBLY REMOVED	0.00	EACH	\$0.00000	\$0.00
MANHOLE REMOVED 0032 202E58100	0.00	EACH	\$0.00000	\$0.00
CATCH BASIN REMOVED 0033 202E75000	0.00	FT	\$0.00000	\$0.00
FENCE REMOVED 0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

Estimate: Alt E	OH cont 6
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Estimate: Alt E OH cont 6				PB A	mericas, Inc.
Line # <u>Item Number</u> Description Supplemental Description	Quantity	<u>Units</u>	Unit Price		<u>Extension</u>
PROOF ROLLING					
0035 204E10000	0.00	SY	\$0.81000		\$0.00
SUBGRADE COMPACTION 0036 451E30000	0.00	FT	\$0.00000		\$0.00
SPECIAL - PRESSURE RELIEF 0037 606E13000	F JOINT, TYPE A 2,291.00	FT	\$14.00000		\$32,074.00
GUARDRAIL, TYPE 5 0038 606E22000	0.00	EACH	\$1,411.29597		\$0.00
ANCHOR ASSEMBLY, TYPE B 0039 606E22010			\$1,712.52574		\$0.00
ANCHOR ASSEMBLY, TYPE E	-98				
0040 606E26500 ANCHOR ASSEMBLY, TYPE T		EACH	\$487.23435		\$0.00
0041 606E35000 BRIDGE TERMINAL ASSEMBL	0.00 Y. TYPE 1	EACH	\$969.12750		\$0.00
0042 606E35100 BRIDGE TERMINAL ASSEMBL	0.00	EACH	\$338.36354		\$0.00
0043 606E60010	0.00	EACH	\$3,439.05897		\$0.00
IMPACT ATTENUATOR, TYPE 0044 607E15000 FENCE, TYPE 47	1-98 (BIDIRECTION) 0.00		\$0.00000		\$0.00
For Fencing 0423 304E20000 AGGREGATE BASE	0.00	CY	\$0.00000		\$0.00
For Fencing 0424 601E32100 ROCK CHANNEL PROTECTIO	0.00 N, TYPE B WITH FIL		\$0.00000		\$0.00
For Fencing 0425 607E40500 GATE, TYPE 47	0.00	EACH	\$731.31641		\$0.00
For Fencing 0426 625E32000 GROUND ROD	0.00	EACH	\$0.00000		\$0.00
For Fencing 0466	0.00		\$0.00000		\$0.00
Group 0014: Seeding & Mu	ulching / Soddir	ng	Total for Gro	oup 0012: \$32,0)74.00
0045 B-MC-ERCO MAJOR COST DRIVERS, ERO	1.00 SION CONTROL	LS	\$0.00000		\$0.00
0467 659E10000 SEEDING AND MULCHING	0.00	SY	\$1.00000		\$0.00
0531 660E25000	0.00	SY	\$15.00000		\$0.00
SODDING STAKED			Total fo	or Group 0014:	\$0.00
Group 0015: Rock Channe	el Protection				
0047 B-MC-ERCO MAJOR COST DRIVERS, ERO	1.00	LS	\$0.00000		\$0.00
0469 601E32000	0.00		\$75.00000		\$0.00
ROCK CHANNEL PROTECTIO	N, TYPE A WITH FIL	IER	Total fo	or Group 0015:	\$0.00
Group 0016: Erosion Conti	rol - Item 832				
0048 B-MC-ERCO	1.00	LS	\$0.00000		\$0.00
4:07:47PM Wednesday, December 01, 2010				F	Page 4 of 12

Estimate: Alt E OH cont 6				PB A	mericas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>		Extension
<u>Description</u> Supplemental Description					
MAJOR COST DRIVERS, EROSION CO					•
0470 832E10000 STORM WATER POLLUTION PREVEN	1.00 TION PLAN	LS	\$50,000.00000		\$50,000.00
0471 832E20000 EROSION CONTROL	35,000.00	EACH	\$1.00000		\$35,000.00
			Total for Gro	oup 0016: \$85,0	00.00
Group 0017: Other Erosion Cont	rol Costs				
0049 670E00700	0.00	SY	\$0.00000		\$0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000		\$0.00
OTHER COSTS, EROSION CONTROL 0051 659E00100	0.00	EACH	\$0.00000		\$0.00
SOIL ANALYSIS TEST 0052 659E00300	0.00		\$0.00000		\$0.00
TOPSOIL					
0053 659E14000 REPAIR SEEDING AND MULCHING	0.00	SY	\$0.00000		\$0.00
0054 659E15000 INTER-SEEDING	0.00	SY	\$0.71000		\$0.00
0055 659E20000 COMMERCIAL FERTILIZER	0.00	TON	\$410.06813		\$0.00
0056 659E31000 LIME	0.00	ACRE	\$0.00000		\$0.00
0057 659E35000 WATER	0.00	MGAL	\$5.00000		\$0.00
0058 659E40000 MOWING	0.00	MSF	\$0.00000		\$0.00
MOWING			Total fo	or Group 0017:	\$0.00
Group 0018: Underdraine					
Group 0018: Underdrains 0059 C-MC-DRNG	1.00	LS	\$0.00000		\$0.00
MAJOR COST DRIVERS, DRAINAGE 0062 605E05100	51,204.00		\$8.00000		\$409,632.00
4" SHALLOW PIPE UNDERDRAINS	51,204.00	ГІ			
			Total for Grou	ıp 0018: \$409,6	632.00
Group 0019: Culverts - Type A: <	: 5'				
0474 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	LS	\$0.00000		\$0.00
0480 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$350.00000		\$0.00
Pipe Structures - Reinforced Concrete P			* / = 00 00000		Aa aa
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000		\$0.00
Concrete Masonry			Total fo	or Group 0019:	\$0.00
• • • • • - • •					ψ0.00
Group 0021: Culverts, Type A: 5'		10			- <u>¢0</u> 00-
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00		\$0.00000		\$0.00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000		\$0.00
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Estimate: Alt E OH cont 6				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Pipe Structures - Reinforced Concrete	5' 10' 66" to	70"		
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		EACH	\$1,500.00000	\$0.00
Consister reduitants rangitants			Total for Group (0021: \$0.00
Crown 0022: Culverte Type A: 1				
Group 0022: Culverts, Type A: 1 0486 C-MC-DRNG	1.00	19	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			·	
0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$1,400.00000	\$0.00
Pipe Structures - Reinforced Concrete 1 0488 C-MC-DRNG	Pipe 10'-20' 0.00	EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	φ0.00
Concrete Masonry			Total for Group (1022· \$0.00
				JOZZ. 40.00
Group 0024: BMP's				
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group (0024: \$0.00
Crawn 0025: Classed Starm Swat				
Group 0025: Closed Storm Syst			\$0,0000	00.03
MAJOR COST DRIVERS, DRAINAGE	1.00		\$0.00000	\$0.00
0489 603E13400 30" CONDUIT, TYPE B (Average size)	7,258.00	FT	\$75.00000	\$544,350.00
0523 604E00800	70.00	EACH	\$1,500.00000	\$105,000.00
CATCH BASIN, NO. 3A 0524 604E31500	7.00	EACH	\$3,000.00000	\$21,000.00
MANHOLE, NO. 3 0525 604E36601	0.00	EACH	\$0.00000	\$0.00
PRECAST REINFORCED CONCRETE	OUTLET, AS	S PER PLAN		
0526 Special Pump Station (Storm)	0.00		\$6,400,000.00000	\$0.00
0527 Special Stormceptors	0.00	EACH	\$5,750.00000	\$0.00
0529 Special Retention basin improvements	0.00	LS	\$109,000.00000	\$0.00
Relention basin improvements			Total for Group 0025: S	\$670,350.00
			•	
Group 0026: Other Drainage Co			#a a a a a a a a a a	\$ 2.22
0078 C-OC-DRNG OTHER COSTS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group	0026: \$0.00
Group 0027: Mainline - Travel L	anes			
0095 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0494 D-MC-PVMT				
13" Reinforced Concrete Pavement	68,710.00	SY	\$68.00000	\$4,672,280.00
Includes 6" Agg Base and Subgrade Co	ompaction			
4:07:47PM Wednesday, December 01, 2010				Page 6 of 12

Estimate: Alt E OH cont 6				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
			Total for Group 0027: \$	54,672,280.00
Group 0028: Mainline - Outside	Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Co	11,609.00	SY	\$68.00000	\$789,412.00
includes of Ayy base and Subgrade Oc	лпрасион		Total for Group 0028:	\$789,412.00
Group 0030: Mainline - Inside S	houlder			
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Co	13,290.00	SY	\$68.00000	\$903,720.00
	1		Total for Group 0030:	\$903,720.00
Group 0031: Ramps (including s	shoulders)		
0122 D-MC-PVMT	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0497 D-MC-PVMT 13" Reinforced Concrete Pavement	0.00	SY	\$68.00000	\$0.00
Includes 6" Agg base and Subgrade Co			Total for Group	0031: \$0.00
Group 0032: Non - Mainline Lan			\$0.0000	¢0.00
0132 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT		-	\$0.00000	\$0.00
0498 D-MC-PVMT Asphalt	0.00		\$41.00000	\$0.00
Includes 3" 448, 9" 301, 6" Agg base ar	nd Subgrade (Compaction	Total for Group	0032: \$0.00
Group 0041: Other Pavement C	osts			
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
			Total for Group	0041: \$0.00
Group 0042: Water Works				
0164 E-MC-WATR MAJOR COST DRIVERS, WATER LIN	0.00 E	LS	\$0.00000	\$0.00
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Group	0042: \$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY S	0.00 SEWER	LS	\$0.00000	\$0.00
4:07:47PM				

Estimate: Alt E OH cont 6			PB	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
			Total for Group 0043	· \$0.00
				. 00.00
Group 0044: Lighting - Full Inte				
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	EACH	\$469,000.00000	\$0.00
,			Total for Group 0044	: \$0.00
Group 0045: Lighting - Partial I	nterchange	9		
0288 G-MC-LTNG	0.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING			Total for Group 0045	: \$0.00
				• • • •
Group 0046: Lighting - Continu 0176 G-MC-LTNG	OUS ROAdv	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING			·	
0500 G-MC-LTNG Lighting - Continuous	0.00	FT	\$138.00000	\$0.00
			Total for Group 0046	: \$0.00
Group 0047: Other Lighting Co	sts			
0177 G-OC-LTNG OTHER COSTS, LIGHTING	4,276.00	LS	\$35.00000	\$149,660.00
Officie COSTS, Eleffining			Total for Group 0047: \$149	,660.00
Group 0048: Traffic Surveilland				
0178 H-OC-SURV	بو 1.00	LS	\$185,954.41000	\$185,954.41
OTHER COSTS, TRAFFIC SURVEILI			Total for Group 0048: \$185	
			Total for Group 0046. \$185	,904.41
Group 0049: Signs				
0179 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC (1.00 CONTROL	LS	\$0.00000	\$0.00
0501 J-MC-TRAF Signs	0.81	MILE	\$250,000.00000	\$202,500.00
			Total for Group 0049: \$202	,500.00
Group 0050: Pavement Markin	α			
0200 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC 0 0502 644E00100	CONTROL 4.88	MILE	\$3,000.00000	\$14,640.00
EDGE LINE 0503 644E00200	6.47	MILE	\$2,000.00000	\$12,940.00
LANE LINE			Total for Group 0050: \$27	
				,000.00

Group 0051: Other Traffic Control Costs

Estimate: Alt E OH cont 6 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	PB A <u>Unit Price</u>	americas, Inc. <u>Extension</u>
0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL	1.00	LS	\$0.00000	\$0.00
Group 0052: Signals - Intersection	าร		Total for Group 0051:	\$0.00
0212 K-MC-SGNL	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, SIGNALS			Total for Group 0052:	\$0.00
Group 0053: Other Traffic Signal (A a a a a a a a a a a	* ****
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
			Total for Group 0053:	\$0.00
Group 0054: Landscaping				
0214 L-MC-LSCP	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, LANDSCAPING			Total for Group 0054:	\$0.00
Oroup OOFE, Dataining Malla (12)		tt for or		
Group 0055: Retaining Walls \$12: 0216 M-MC-WALL	/۱.00 + ٦		so.00000	\$0.00
MAJOR COST DRIVERS, RETAINING W 0504 M-MC-WALL			·	1,050,300.00
Retaining Walls	7,780.00	51		
Group 0056: Other Retaining Wal	l Costs		Total for Group 0055: \$1,050,3	300.00
0217 M-OC-WALL	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, RETAINING WALLS			Total for Group 0056:	\$0.00
Group 0057: Building Demolition				
0218 N-MC-DEMO	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, BUILDING DEI 0219 N-OC-DEMO	MOLITION 1.00	LS	\$0.00000	\$0.00
OTHER COSTS, BUILDING DEMOLITIO 0532 202E98100	N 0.00	EACH	\$8,500.00000	\$0.00
REMOVAL MISC.: Radio Tower		-	·····	••••
0533 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Residential	0.00 I	EACH	\$7,500.00000	\$0.00
0534 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Commercial	0.00	EACH	\$15,000.00000	\$0.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Residential		EACH	\$12,000.00000	\$0.00
0536 202E56101 4:07:47PM	0.00	EACH	\$30,000.00000	\$0.00

4:07:47PM Wednesday, December 01, 2010

Estimate: Alt E OH cont 6 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	PB Americas, Inc. <u>Extension</u>
BUILDING DEMOLISHED, AS PER PLAN Large Commercial				
Large Commercial			Total for Group 00	57: \$0.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR	1.00	LS	\$0.00000	\$0.00
	40,012.00	SF	\$25.00000	\$1,000,300.00
Noise Barrier			Total for Group 0058: \$1,0	00,300.00
Group 0059: Other Noise Barrier (Costs			
0221 P-OC-NSBR	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, NOISE BARRIER 0368 P-MC-NSBR	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIE	R		Total for Group 00	59: \$0.00
Oneuro 00000 Neuro Otra etune e				···· •
Group 0060: New Structures	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES		_	\$125.00000	\$4,622,500.00
Tier 1 Structures to 25' Height 0507 R-MC-STRC	0.00		\$12.00000	\$0.00
Removal of Existing Structures non-compl			\$17.00000	\$515,270.00
Standard Removal of Existing Structures a 0509 R-MC-STRC		age complex	\$30.00000	\$0.00
Removal of Existing Structures complex to 0513 R-MC-STRC		olex	\$150.00000	\$0.00
Tier 2 Structures 25' to 50' Height 0516 R-MC-STRC	0.00		\$200.00000	\$0.00
Tier 3 Structures 50' to 75' Height	0.00	01		
			Total for Group 0060: \$5,1	37,770.00
Group 0061: Rehabilitated Structu				
0223 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	0.00	SF	\$45.00000	\$0.00
			Total for Group 00	61: \$0.00
Group 0062: Other Structure Cost	S			
0224 R-OC-STRC OTHER COSTS, STRUCTURES	0.00	LS	\$0.00000	\$0.00
Contingency			Total for Group 00	162· \$0.00
		_		νε. ψυ.υυ
Group 0063: Temporary Road and			¢0.0000	# 0.00
0225 S-MC-MNTC MAJOR COST DRIVERS, MAINTENANCE	1.00 E OF TRAF		\$0.00000	\$0.00
4:07:47PM				

Estimate: Alt E OH cont 6 <u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	PB A <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
	Total for Group 0063:	\$0.00
Crown 0064, Dortable Constate Dorrige (DCD)	•	
Group 0064: Portable Concrete Barrier (PCB) 0226 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0064:	
		ψ0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0066:	\$0.00
Group 0067: Temporary Signals		
0230 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0067:	\$0.00
		ψ0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS	\$0.00000	\$0.00
OTHER COSTS, MAINTENANCE OF TRAFFIC 0512 S-OC-MNTC 0.81 MILE	\$500,000.00000	\$405,000.00
OTHER COSTS, MAINTENANCE OF TRAFFIC	Total for Group 0070: \$405,	
		000.00
Group 0071: Wetland Construction	A	• -
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt E OH cont 6				PB Americas, Inc.
<u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
0235 U-MC-MISC MAJOR COST DRIVERS, MISCE	0.00 LLANEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEO	0.00		\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILRO LIABILITY INSURANCE	0.00		\$10,000.00000 IC LIABILITY AND PROPERTY	\$0.00 DAMAGE
0238 623E10000 CONSTRUCTION LAYOUT STAK 0.5%	1.00 ES	LS	\$93,906.97000	\$93,906.97
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$375,627.90000	\$375,627.90
0240 619E16020 FIELD OFFICE, TYPE C	44.00	MNTH	\$2,500.00000	\$110,000.00
0242 624E10000 MOBILIZATION	1.00	LS	\$400,000.00000	\$400,000.00
0511 103E05000 PREMIUM FOR CONTRACT PER 0.5%	1.00 FORMANCE BON	LS D AND F	\$93,906.97000 OR PAYMENT BOND	\$93,906.97
0518	0.00		\$0.00000	\$0.00
0519	0.00		\$0.00000	\$0.00
0520	0.00		\$0.00000	\$0.00
0521	0.00		\$0.00000	\$0.00
			Total for Group 00	072: \$1,073,441.84
Group 0073: Design Conting	ency Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTI	1.00 NGENCY COSTS	LS	\$0.00000	\$0.00
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY 25%	1.00 COSTS	LS	\$4,963,709.19000	\$4,963,709.19
			Total for Group 00	073: \$4,963,709.19
Group 0074: Inflation Contin	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, CONTINGENCY	00515		Total for	Group 0074 \$0.00

Total for Group 0074: \$0.00

Estimate Alt E OH cont 7

Estimated Cost: \$411,459,793.70 Contingency: 57.60%

Estimated Total: \$648,460,634.87

OH-7 Reconstruction of the New Bridge over the Ohio to North of Linn St Base Date: 07/22/10 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: 8 Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt E OH cont 7				PB Americas, Inc.
<u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
Group 0001: Pavement Remova	al			
0001 A-MC-RDWY	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0343 202E23000	117,932.00	SY	\$8.00000	\$943,456.00
PAVEMENT REMOVED			Total for Group 0001: S	\$943,456.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY	0.00	CY	\$30.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group (0002: \$0.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0344 203E10000	193,736.00	CY	\$8.00000	\$1,549,888.00
EXCAVATION			Total for Group 0003: \$1	,549,888.00
Crown 0004: Execution Hoza	rdouo		•	, ,
Group 0004: Excavation - Haza	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group ()004· \$0.00
	/ I I			
Group 0005: Fill - Embankment	(Includes	LS	g excess excavation) \$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY				
0345 203E20000 EMBANKMENT	197,488.00	CY	\$6.00000	\$1,184,928.00
			Total for Group 0005: \$1	,184,928.00
Group 0006: Fill - Lime Modified				
0010 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0346 205E10050 LIME STABILIZED EMBANKMENT	0.00	CY	\$7.00000	\$0.00
0347 205E10300 LIME	0.00	TON	\$5.00000	\$0.00
			Total for Group ()006: \$0.00
Group 0007: Fill - Borrow				
0011 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	3,752.00	CY	\$8.00000	\$30,016.00
			Total for Group 0007:	\$30,016.00
Group 0008: Concrete Barrier				
0012 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0465 622E10060	11,155.00	FT	\$110.00000	\$1,227,050.00
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Estimate: Alt E OH cont 7				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE	, TYPE B			007.050.00
			Total for Group 0008: \$1	,227,050.00
Group 0009: Subgrade Treatmen	nt - Lime			
0014 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
			Total for Group (0009: \$0.00
Group 0010: Subgrade Treatmer	nt - Ceme	ent		
0016 A-MC-RDWY	122,406.00		\$2.50000	\$306,015.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0010: S	\$306.015.00
Oraun 0011. Subarada Trastras				· ,
Group 0011: Subgrade Treatmer	11 - Unde 1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY	1.00	LO		
			Total for Group (0011: \$0.00
Group 0012: Other Roadway Cos	sts			
0019 A-OC-RDWY OTHER COSTS, ROADWAY	0.00	LS	\$0.00000	\$0.00
Contingency 0020 201E11000	0.00	LS	\$856,500.00000	\$0.00
CLEARING AND GRUBBING 0021 201E21800	0.00	EACH	\$250.00000	\$0.00
TREE REMOVED, 18" SIZE				
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0028 202E35200 PIPE REMOVED, OVER 24"	0.00	FT	\$0.00000	\$0.00
0029 202E38000 GUARDRAIL REMOVED	0.00	FT	\$0.00000	\$0.00
0030 202E42206 ANCHOR ASSEMBLY REMOVED	0.00	EACH	\$0.00000	\$0.00
0031 202E58000 MANHOLE REMOVED	0.00	EACH	\$0.00000	\$0.00
0032 202E58100 CATCH BASIN REMOVED	0.00	EACH	\$0.00000	\$0.00
0033 202E75000 FENCE REMOVED	0.00	FT	\$0.00000	\$0.00
0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

Estimate: Alt E	OH cont 7
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Estimate: Alt E OH cont 7				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
Description Supplemental Description				
PROOF ROLLING				
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF JOINT,	0.00 TYPE A	FT	\$0.00000	\$0.00
0037 606E13000 GUARDRAIL, TYPE 5	14,675.00	FT	\$14.00000	\$205,450.00
0038 606E22000 ANCHOR ASSEMBLY, TYPE B-98	0.00	EACH	\$1,411.29597	\$0.00
0039 606E22010	0.00	EACH	\$1,712.52574	\$0.00
ANCHOR ASSEMBLY, TYPE E-98 0040 606E26500 ANCHOR ASSEMBLY, TYPE T	0.00	EACH	\$487.23435	\$0.00
0041 606E35000 BRIDGE TERMINAL ASSEMBLY, TYPE	0.00	EACH	\$969.12750	\$0.00
0042 606E35100	0.00	EACH	\$338.36354	\$0.00
BRIDGE TERMINAL ASSEMBLY, TYPE	0.00		\$3,439.05897	\$0.00
IMPACT ATTENUATOR, TYPE 1-98 (BII 0044 607E15000	DIRECTION 0.00		\$0.00000	\$0.00
FENCE, TYPE 47 For Fencing				
0423 304E20000 AGGREGATE BASE For Fencing	0.00	CY	\$0.00000	\$0.00
0424 601E32100 ROCK CHANNEL PROTECTION, TYPE For Fencing	0.00 B WITH FIL	-	\$0.00000	\$0.00
0425 607E40500 GATE, TYPE 47 For Fencing	0.00	EACH	\$731.31641	\$0.00
0426 625E32000 GROUND ROD	0.00	EACH	\$0.00000	\$0.00
For Fencing 0466	0.00		\$0.00000	\$0.00
			Total for Group	p 0012: \$205,450.00
Group 0014: Seeding & Mulching	ı / Soddir	na		
0045 B-MC-ERCO	1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSION CC 0467 659E10000	35,073.00	SY	\$1.00000	\$35,073.00
SEEDING AND MULCHING 0531 660E25000	0.00	SY	\$15.00000	\$0.00
SODDING STAKED			Total for Grou	up 0014: \$35,073.00
Group 0015: Rock Channel Prote			¢0,0000	¢0.00
0047 B-MC-ERCO MAJOR COST DRIVERS, EROSION CC		LS	\$0.00000	\$0.00
0469 601E32000 ROCK CHANNEL PROTECTION, TYPE	0.00 A WITH FIL		\$75.00000	\$0.00
			Total fo	r Group 0015: \$0.00
Group 0016: Erosion Control - Ite	em 832			
0048 B-MC-ERCO				
4:27:11PM	1.00	LS	\$0.00000	\$0.00

Estimate: Alt E OH cont 7				PB Ame	ericas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Į	Extension
<u>Description</u> Supplemental Description					
MAJOR COST DRIVERS, EROSION CO					
0470 832E10000 STORM WATER POLLUTION PREVEN	1.00	LS	\$50,000.00000	\$	\$50,000.00
0471 832E20000 EROSION CONTROL	42,000.00	EACH	\$1.00000	\$	642,000.00
EROSION CONTROL			Total for Gro	up 0016: \$92,00	0.00
Crown 0017: Other Freedom Cont	ral Casta			•	
Group 0017: Other Erosion Cont 0049 670E00700	0.00	ev	\$0.00000		\$0.00
DITCH EROSION PROTECTION			·		
0050 B-OC-ERCO OTHER COSTS, EROSION CONTROL	1.00	LS	\$0.00000		\$0.00
0051 659E00100 SOIL ANALYSIS TEST	0.00	EACH	\$0.00000		\$0.00
0052 659E00300 TOPSOIL	0.00	CY	\$0.00000		\$0.00
0053 659E14000 REPAIR SEEDING AND MULCHING	0.00	SY	\$0.00000		\$0.00
0054 659E15000 INTER-SEEDING	0.00	SY	\$0.71000		\$0.00
0055 659E20000 COMMERCIAL FERTILIZER	0.00	TON	\$410.06813		\$0.00
0056 659E31000 LIME	0.00	ACRE	\$0.00000		\$0.00
0057 659E35000 WATER	0.00	MGAL	\$5.00000		\$0.00
0058 659E40000 MOWING	0.00	MSF	\$0.00000		\$0.00
			Total fo	or Group 0017: \$	0.00
Croup 0019: Underdreine					
Group 0018: Underdrains 0059 C-MC-DRNG	1.00	19	\$0.00000		\$0.00
MAJOR COST DRIVERS, DRAINAGE 0062 605E05100	75,225.00		\$8.00000	۹ <i>۴</i>	\$0.00
4" SHALLOW PIPE UNDERDRAINS	10,220.00				
			Total for Grou	p 0018: \$601,80	0.00
Group 0019: Culverts - Type A: <	< 5'				
0474 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	LS	\$0.00000		\$0.00
0480 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$350.00000		\$0.00
Pipe Structures - Reinforced Concrete P					
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000		\$0.00
Concrete Masonry			Total fo	or Group 0019: \$	0.00
				· · · · · · · · · ·	-
Group 0021: Culverts, Type A: 5		10	A B B B B B B B B B B		* ~
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000		\$0.00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000		\$0.00
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Estimate: Alt E OH cont 7				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
	5' 10' 66" to	70"		
Pipe Structures - Reinforced Concrete 0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		EACH	\$1,500.00000	\$0.00
			Total for Group	0021: \$0.00
Crown 0022: Culverte Turce Av				
Group 0022: Culverts, Type A: 1 0486 C-MC-DRNG	1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE				
0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$1,400.00000	\$0.00
Pipe Structures - Reinforced Concrete 0488 C-MC-DRNG	Pipe 10'-20' 0.00	EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	Ф 0.00
Concrete Masonry			Total for Group	۱ 0022 [.] \$0 00
				, 0022.
Group 0024: BMP's				
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group	0024: \$0.00
Crown 0025: Closed Storm Syst				
Group 0025: Closed Storm Syst			¢0,0000	00 0 2
MAJOR COST DRIVERS, DRAINAGE	1.00		\$0.00000	\$0.00
0489 603E13400 30" CONDUIT, TYPE B (Average size)	12,454.00	FT	\$75.00000	\$934,050.00
0523 604E00800	128.00	EACH	\$1,500.00000	\$192,000.00
CATCH BASIN, NO. 3A 0524 604E31500	9.00	EACH	\$3,000.00000	\$27,000.00
MANHOLE, NO. 3 0525 604E36601	0.00	EACH	\$0.00000	\$0.00
PRECAST REINFORCED CONCRETE 0526 Special		S PER PLAN		\$0.00
Pump Station (Storm)				
0527 Special Stormceptors	0.00	EACH	\$5,750.00000	\$0.00
0529 Special Retention basin improvements	0.00	LS	\$109,000.00000	\$0.00
			Total for Group 0025: S	\$1,153,050.00
Croup 0026: Athar Drainage Ca	oto			
Group 0026: Other Drainage Cc 0078 C-OC-DRNG	1.00	19	\$0.00000	\$0.00
OTHER COSTS, DRAINAGE	1.00	L3	\$0.00000	φ0.00
			Total for Group	0026: \$0.00
Group 0027: Mainline - Travel L	anes			
0095 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0494 D-MC-PVMT	39,260.00	SY	\$68.00000	\$2,669,680.00
13" Reinforced Concrete Pavement	-	0.	<i>400.0000</i>	<i>_</i> ,000,000.00
Includes 6" Agg Base and Subgrade Co	ornpaction			
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Wednesday, December 01, 2010

Estimate: Alt E OH cont 7				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
			Total for Group 0027: \$	2,669,680.00
Group 0028: Mainline - Outside	Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement	8,453.00	SY	\$68.00000	\$574,804.00
Includes 6" Agg base and Subgrade Co	ompaction		Total for Group 0028:	\$574,804.00
Group 0030: Mainline - Inside S	houlder			
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement	8,932.00	SY	\$68.00000	\$607,376.00
Includes 6" Agg base and Subgrade Co	ompaction		Total for Group 0030:	\$607,376.00
Group 0031: Ramps (including s	shoulders)		
0122 D-MC-PVMT	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0497 D-MC-PVMT 13" Reinforced Concrete Pavement	29,120.00	SY	\$68.00000	\$1,980,160.00
Includes 6" Agg base and Subgrade Co	ompaction		Total for Group 0031: \$	51,980,160.00
Group 0032: Non - Mainline Lan	ies			
0132 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0498 D-MC-PVMT Asphalt	36,641.00	SY	\$41.00000	\$1,502,281.00
Includes 3" 448, 9" 301, 6" Agg base ar	nd Subgrade	Compaction	Total for Group 0032: \$	51,502,281.00
Group 0041: Other Pavement C	osts			
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
,			Total for Group	0041: \$0.00
Group 0042: Water Works				
0164 E-MC-WATR MAJOR COST DRIVERS, WATER LIN	0.00 E	LS	\$0.00000	\$0.00
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Group	0042: \$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY S	0.00 SEWER	LS	\$0.00000	\$0.00
4:27:11PM				Dage 7 of 12

Wednesday, December 01, 2010

Estimate: Alt E OH cont 7			PI	B Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
			Total for Group 004	3 [.] \$0.00
Group 0044: Lighting - Full Inte			A 2 00000	* •••••
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00		\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	3.00	EACH	\$469,000.00000	\$1,407,000.00
			Total for Group 0044: \$1,40	7,000.00
Group 0045: Lighting - Partial I	nterchange	Э		
0288 G-MC-LTNG	0.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING			Total for Group 004	5: \$0.00
Oneur 0040: Lighting Continu				·
Group 0046: Lighting - Continue 0176 G-MC-LTNG	OUS ROADV 1.00		¢0,0000	00.02
MAJOR COST DRIVERS, LIGHTING			\$0.00000	\$0.00
0500 G-MC-LTNG Lighting - Continuous	17,952.00	FT	\$35.00000	\$628,320.00
			Total for Group 0046: \$62	8,320.00
Group 0047: Other Lighting Cos	sts			
0177 G-OC-LTNG OTHER COSTS, LIGHTING	0.00	LS	\$0.00000	\$0.00
Officie COSTS, LIGHTING			Total for Group 004	7: \$0.00
Group 0048: Traffic Surveillanc	•			
0178 H-OC-SURV	e 1.00	LS	\$3,143,783.86000	\$3,143,783.86
OTHER COSTS, TRAFFIC SURVEILL		-		
			Total for Group 0048: \$3,14	3,703.00
Group 0049: Signs				
0179 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC C	1.00 ONTROL	LS	\$0.00000	\$0.00
0501 J-MC-TRAF Signs	3.40	MILE	\$250,000.00000	\$850,000.00
			Total for Group 0049: \$85	0,000.00
Group 0050: Pavement Marking	n			
0200 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC C 0502 644E00100	ONTROL 16.60	MILE	\$3,000.00000	\$49,800.00
EDGE LINE 0503 644E00200	12.50	MILE	\$2,000.00000	\$25,000.00
LANE LINE				
			Total for Group 0050: \$7	4,000.00

Group 0051: Other Traffic Control Costs

Estimate: Alt E OH cont 7 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	PB <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
0208 J-OC-TRAF	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC CONTROL			Total for Group 0051	: \$0.00
Group 0052: Signals - Intersectio 0212 K-MC-SGNL MAJOR COST DRIVERS, SIGNALS		EACH	\$175,000.00000 Total for Group 0052: \$1,137	\$1,137,500.00 ,500.00
Group 0053: Other Traffic Signal				
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
Group 0054: Landscaping			Total for Group 0053	: \$0.00
0214 L-MC-LSCP	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, LANDSCAPIN 0215 L-OC-LSCP	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, LANDSCAPING			Total for Group 0054	: \$0.00
Group 0055: Retaining Walls \$12	25 + \$10/	ft for ca	aps, barriers and testing	
0216 M-MC-WALL MAJOR COST DRIVERS, RETAINING V	1.00 VALLS	LS	\$0.00000	\$0.00
0504 M-MC-WALL Retaining Walls	38,655.00	SF	\$135.00000	\$5,218,425.00
			Total for Group 0055: \$5,218	,425.00
Group 0056: Other Retaining Wa				
0217 M-OC-WALL OTHER COSTS, RETAINING WALLS	1.00	LS	\$0.00000	\$0.00
			Total for Group 0056	: \$0.00
Group 0057: Building Demolition				
0218 N-MC-DEMO MAJOR COST DRIVERS, BUILDING DE	1.00 MOLITION	LS	\$0.00000	\$0.00
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITIC	1.00 DN	LS	\$0.00000	\$0.00
0534 202E98100 REMOVAL MISC.: Radio Tower	0.00	EACH	\$8,500.00000	\$0.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLA Small Residential	0.00 N	EACH	\$7,500.00000	\$0.00
0536 202E56101 BUILDING DEMOLISHED, AS PER PLA Small Commercial	3.00 N	EACH	\$15,000.00000	\$45,000.00
0537 202E56101 BUILDING DEMOLISHED, AS PER PLA Large Residential		EACH	\$12,000.00000	\$0.00
0538 202E56101 4:27:11PM	1.00	EACH	\$30,000.00000	\$30,000.00
4.27.11FW				Dage 0 of 12

Wednesday, December 01, 2010

Estimate: Alt E OH cont 7				PB Americas, Inc.
	uantity	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
BUILDING DEMOLISHED, AS PER PLAN				
Large Commercial			Total for Group 0057:	\$75,000,00
				φ <i>1</i> 3,000.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIER	1.00	LS	\$0.00000	\$0.00
0505 P-MC-NSBR Noise Barrier	0.00	LS	\$25.00000	\$0.00
NUISE Damei			Total for Group (0058: \$0.00
Crown 0050: Other Naise Perries Co	oto			
Group 0059: Other Noise Barrier Co 0221 P-OC-NSBR	1.00	15	\$0.00000	\$0.00
OTHER COSTS, NOISE BARRIER			·	·
0368 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIER	0.00	LS	\$0.00000	\$0.00
			Total for Group (0059: \$0.00
Group 0060: New Structures				
0222 R-MC-STRC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES 0506 R-MC-STRC 13,	862.00	SF	\$125.00000	\$1,732,750.00
Tier 1 Structures to 25' Height 0507 R-MC-STRC	0.00	SF	\$12.00000	\$0.00
Removal of Existing Structures non-complex 0508 R-MC-STRC 417,	592.00	SF	\$17.00000	\$7,099,064.00
Standard Removal of Existing Structures abo	ve aver	age complex	< compared by the second s	
Removal of Existing Structures complex to ve		olex	\$30.00000	\$8,017,950.00
0513 R-MC-STRC 258, Tier 2 Structures 25' to 50' Height	057.00	SF	\$150.00000	\$38,708,550.00
	330.00	SF	\$200.00000	\$233,066,000.00
			Total for Group 0060: \$288	,624,314.00
Croup 0061: Debebilitated Structure	~			
Group 0061: Rehabilitated Structure	0.00	SF	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES	0.00	0.		
			Total for Group (061: \$0.00
Group 0062: Other Structure Costs				
0224 R-OC-STRC OTHER COSTS, STRUCTURES	0.00	LS	\$0.00000	\$0.00
Contingency				
			Total for Group (0062: \$0.00
Group 0063: Temporary Road and F	Paven	nent Cost	ts	
0225 S-MC-MNTC	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE C	FIRA	-FIC		

Estimate: Alt E OH cont 7 Line # Item Number Quantity Units Description Supplemental Description	PB A <u>Unit Price</u>	mericas, Inc. <u>Extension</u>
	Total for Group 0063:	\$0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0064:	\$0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0066:	\$0.00
Group 0067: Temporary Signals		
0230 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS OTHER COSTS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
0512 S-OC-MNTC 3.40 MILE OTHER COSTS, MAINTENANCE OF TRAFFIC	\$500,000.00000 \$	1,700,000.00
	Total for Group 0070: \$1,700,0	00.00
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt E OH cont 7				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELI	0.00 LANEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOU	0.00 S COSTS	LS	\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILRO LIABILITY INSURANCE	1.00		\$10,000.00000 IC LIABILITY AND PROPERTY	\$10,000.00 DAMAGE
0238 623E10000 CONSTRUCTION LAYOUT STAKE 0.5%	1.00 S	LS	\$1,587,610.85000	\$1,587,610.85
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$6,350,443.40000	\$6,350,443.40
0240 619E16020 FIELD OFFICE, TYPE C	44.00	MNTH	\$2,500.00000	\$110,000.00
0242 624E10000 MOBILIZATION	1.00	LS	\$2,000,000.00000	\$2,000,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERF 0.5%	1.00 FORMANCE BON		\$1,587,610.85000 OR PAYMENT BOND	\$1,587,610.85
			Total for Group 00	72: \$11,645,665.10
Group 0073: Design Continge	ency Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTIN	1.00 GENCY COSTS	LS	\$0.00000	\$0.00
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY (25%	1.00	LS	\$82,291,958.74000	\$82,291,958.74
			Total for Group 00	73: \$82,291,958.74
Group 0074: Inflation Conting	jency			
0266 V-OC-CNTG OTHER COSTS, CONTINGENCY (0.00	LS	\$0.00000	\$0.00
OTHER COSTS, CONTINGENCE	50515		Total for	Group 0074: \$0.00

PID	89068	County	HAM	Route	75	Section	0.22	This R/W Acquisition cost estimate
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Macro View												At	tributes				
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	=	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates	
Residential	0	X	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	0	Estimate the total number of acres involved in the	
Commercial	1.65	X	\$542,378.85	5 \$894,925	+	6684870	+	N/A	\$6,684,870.00	=	\$7,579,795.10	11	3	3 8 3 project and allocate those a		project and allocate those acres into the four	
-Industrial	5.66	X	\$153,756.16	\$ \$870,260	+	3740	+	N/A	\$3,740.00	=	\$873,999.87	15	6	9	1	categories shown.	
-Agricultural	0	x	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	0	Assign an average unit price for each category.	
Relocation	Unit (Displacemen	t) x	*RH	P/*RSP	+	Move Cost	+	Reestabli	shment	=	Total Non Labor RAP Costs	Estima	ate amount of time all RAP parcels			These unit prices are typically taken from the auc tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must be unit prices on a project sales data book instead of	
-Residential Owner Occupant Tenant	0 0	x x		4,000 0,000	+ +	\$6,000 \$1,750				= =	\$0 \$0		e number of year uisition begins =		ct wide R/W 2	card data. Add structure values from the auditors tax cards or if the structures are taken.	
-Commerical/Farm/NPO Owner Tenant	3 22				x x	X \$15,000 X \$15,000		+ \$10,000 = + \$10,000 =		\$75,000 \$550,000				Damages must be assessed by a pre-qualified exp with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6			
-Personal Property	0				Х	\$1,000				=	\$0					Major Projects) and requires some knowledge of the impacts of the project on structures.	
{[(Total Cost of Acquisition Cost)	x0.90]x0.025}+{[(Tota Cost)x0.10]x1.5			.15]x1.20}+{[(Total	l of Ac	quisition	(Conting Incidentals, Admin. Re		n)	2979962.726		placement Hous		:	Relocation Cost Estimates must consider the	
	, 1						(Total Non Lab		,	\$12,058,757.69		ent Supplemental			complexity of the move process. All move estimate	
																that involve a business or a mulit-tenant residential	
																structure should use the services of a relocation	
	Unit (Parcels) X	Uni	t Price	=	Total Cost	1									structure should use the services of a relocation Assistance professionnal to accurately gauge costs	
Labor (External)	Unit (Parcels) X X		t Price	=	Total Cost \$10,400					This R/M	V Cost Estin	nate Prepared b	y	Date		
Labor (External) Titles	26) X X X X	\$	400 750	=	\$10,400 \$2,250						Chris Cle	mons	у	Date 8/4/2010	Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the	
Labor (External) Titles Appraisal -Simple -Detailed	26 3 23) x x x x x	\$ \$ \$2	400 750 4,500	=	\$10,400 \$2,250 \$103,500					This R/W This R/W Cost Estir of the PDP for	Chris Cle mate was pe	mons	y	8/4/2010	Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the	
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review	26) X X X X X X X	\$ \$ \$2 \$	400 750	= = = =	\$10,400 \$2,250					This R/W Cost Estir	Chris Cle mate was pe	mons rformed at Step	y	8/4/2010	Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimate	
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple	26 3 23 3) X X X X X X X X	\$ \$ \$2 \$2	400 750 4,500		\$10,400 \$2,250 \$103,500 \$1,500					This R/W Cost Estir	Chris Cle mate was pe	mons rformed at Step	y	8/4/2010	Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estima to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment	
-Detailed Appraisal Review -Simple -Detailed	26 3 23 3 23) X X X X X X X X X X X X X X X X X X X	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	400 750 4,500 5500 2,000		\$10,400 \$2,250 \$103,500 \$1,500 \$46,000					This R/W Cost Estir	Chris Cle mate was pe MAJOR	mons rformed at Step		8/4/2010	Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estima to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.	
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential -Commercial/Farm/*NPO	26 3 23 3 23 26 0 0) X X X X X X X X X X X X X X X X X X X	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	400 750 4,500 2,000 1,100 5,200		\$10,400 \$2,250 \$103,500 \$1,500 \$46,000 \$28,600 \$0 \$0 \$0					This R/W Cost Estir of the PDP for	Chris Cle mate was pe MAJOR	rformed at Step Projects using tal Labor Costs	\$350	6	Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estima to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.	
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential -Commercial/Farm/*NPO Closings	26 3 23 3 23 26 0 0 25) X X X X X X X X X X X X X X X X X X X	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	400 750 4,500 2,000 1,100 5,200 5,600		\$10,400 \$2,250 \$103,500 \$1,500 \$46,000 \$28,600 \$28,600 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$140,000					This R/W Cost Estir of the PDP for	Chris Cle mate was pe MAJOR	rformed at Step Projects using	\$350	6	Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estima to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.	
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential -Commercial/Farm/*NPO Closings Project Management	26 3 23 3 23 26 0 0 25 26) X X X X X X X X X X X X X X X X X X X	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	400 750 4,500 500 2,000 1,100 5,200 5,200 5,600 400		\$10,400 \$2,250 \$103,500 \$1,500 \$46,000 \$28,600 \$0 \$0 \$0 \$140,000 \$10,400					This R/W Cost Estir of the PDP for	Chris Cle mate was pe MAJOR Total Non La	rformed at Step Projects using tal Labor Costs	\$350	6	Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estima to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.	
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential	26 3 23 3 23 26 0 0 25 26		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	400 5750 4,500 2,000 1,100 1,500 5,200 5,600 400 5550		\$10,400 \$2,250 \$103,500 \$1,500 \$46,000 \$28,600 \$0 \$0 \$0 \$140,000 \$10,400					This R/W Cost Estir of the PDP for	Chris Cle mate was pe MAJOR Total Non La Inflatic	tal Labor Costs	\$350 \$12,0 \$1,01	8/4/2010 6 6,950.00 58,757.69	Assistance professionnal to accurately gauge costs Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estima to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.	

Macro View					
Labor (External)	Unit (Parcels)	Х	Unit Price	=	Total Cost
Titles	26	Х	\$400	=	\$10,400
Appraisal -Simple -Detailed	3	x	\$750	=	\$2,250
	23	Х	\$4,500	=	\$103,500
Appraisal Review -Simple	3	x	\$500	=	\$1,500
-Detailed	23	х	\$2,000	=	\$46,000
Negotiations	26	Х	\$1,100	=	\$28,600
Relocations -Personal Property -Residential -Commercial/Farm/*NPO	0 0 25	x x x	\$1,500 \$5,200 \$5,600	= = =	\$0 \$0 \$140,000
Closings	26	Х	\$400	=	\$10,400
Project Management	26	Х	\$550	=	\$14,300
Asbestos Testing & Abatement		Х		=	
		Tota	al Labor Costs		\$356,950
*NPO = Non-Profit Organization					-

		Att	ributes				
	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates	
	\$0.00	0	0	0	0	Estimate the total number of acres involved in the	
	\$7,579,795.10	11	1 3		3	project and allocate those acres into the four	
	\$873,999.87	15	6	9	1	categories shown.	
	\$0.00	0	0	0	0	Assign an average unit price for each category. These unit prices are typically taken from the auditors	
	Total Non Labor RAP Costs	Estima	te amount of time all RAP parcels	-		tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base unit prices on a project sales data book instead of tax card data.	
	\$0 \$0		e number of year uisition begins =	rs until projec	ct wide R/W 2	Add structure values from the auditors tax cards only if the structures are taken.	
	\$75,000 \$550,000					Damages must be assessed by a pre-qualified expert with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6 on	
	\$0					Major Projects) and requires some knowledge of the impacts of the project on structures.	
	2979962.726 \$12,058,757.69	*RSP - Re	placement Hous nt Supplemental n-Profit Organiza	Payment		Relocation Cost Estimates must consider the complexity of the move process. All move estimates	
[This R/M	/ Cost Estim	ate Prepared b	y	Date	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge costs.	
		Chris Cle	mons		8/4/2010	Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and	
	This R/W Cost Estir	mate was per	formed at Step		6	talent. Labor costs estimates should reflect the complexity of the project and the talent necessary to	
	of the PDP for	MAJOR	Projects using			acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimated	
						to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.	
		Tot	al Labor Costs	8,950.00	Comments		
	1	Fotal Non La	bor R/W Costs	\$12,0	058,757.69 Cost/Unit were generated from auditors tax card data		
		Inflatio	n Adjustments	\$1,01	8,088.03		
		Т	otal R/W Costs	\$13,43	33,795.72		

	Att	ributes						
Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates			
\$0.00	0	0	0	0	Estimate the total number of acres involved in the			
\$7,579,795.10	11	3	8	3	project and allocate those acres into the four			
\$873,999.87	15	6	9	1	categories shown.			
\$0.00	0	0	0	0	Assign an average unit price for each category. These unit prices are typically taken from the auditors			
Total Non Labor RAP Costs		te amount of time all RAP parcels	s = (months)	24	tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base unit prices on a project sales data book instead of tax card data.			
\$0 \$0		e number of year uisition begins =	s until projec	ct wide R/W 2	Add structure values from the auditors tax cards only if the structures are taken.			
\$75,000 \$550,000 \$0					Damages must be assessed by a pre-qualified expert with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6 on Major Projects) and requires some knowledge of the impacts of the project on structures.			
2979962.726		placement Hous nt Supplemental			Relocation Cost Estimates must consider the			
\$12,058,757.69		n-Profit Organiza	complexity of the move process. All move estimates that involve a business or a mulit-tenant residential					
					structure should use the services of a relocation Assistance professionnal to accurately gauge costs.			
This R/W	V Cost Estim	ate Prepared by	y	Date				
	Chris Cler	mons		8/4/2010	Labor costs are a function of time, distance, and			
This R/W Cost Estir	mate was per	formed at Step		6	talent. Labor costs estimates should reflect the			
of the PDP for	MAJOR	Projects using			complexity of the project and the talent necessary to acquire the right of way in a timely manner. The person making the cost estimate may adjust the			
					figures given for the particular project being estimated to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.			
	Tot	al Labor Costs	6,950.00	Comments				
1	Fotal Non La	bor R/W Costs	\$12,0	Cost/Unit were generated from auditors tax card d				
	Inflatio	n Adjustments						
	T	otal R/W Costs	\$13,43	33,795.72				

Estimate Alt I KY cont 2

Estimated Cost: \$7,209,761.51 Contingency: 46.50% Estimated Total: \$10,562,300.61

Base Date: 01/01/15 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt I KY cont 2				PB Americas, Inc.
Line # Item Number	Quantity	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
Group 0001: Pavement Remova	I			
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	2,373.00	SY	\$8.00000	\$18,984.00
			Total for Group 0001:	\$18,984.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1,104.00	CY	\$30.00000	\$33,120.00
			Total for Group 0002:	\$33,120.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0344 203E10000 EXCAVATION	9,936.00	CY	\$8.00000	\$79,488.00
			Total for Group 0003:	\$79,488.00
Group 0004: Excavation - Hazar	dous			
0006 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group (0004: \$0.00
Group 0005: Fill - Embankment	íncludes	wasting exc	ess excavation)	
0007 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0345 203E20000	11,040.00	CY	\$6.00000	\$66,240.00
EMBANKMENT			Total for Group 0005:	\$66,240.00
Group 0006: Fill - Lime Modified	Soil			
0010 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0346 205E10050	0.00	CY	\$7.00000	\$0.00
LIME STABILIZED EMBANKMENT 0347 205E10300	0.00	TON	\$5.00000	\$0.00
LIME			Total for Group (0006: \$0.00
Group 0007: Fill Borrow				
Group 0007: Fill - Borrow 0011 A-MC-RDWY	0.00	CY	\$8.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group (0007· \$0.00
				χουτ. ψυ.υυ
Group 0008: Concrete Barrier	1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0465 622E10060	0.00		\$110.00000	\$0.00
7:22:04AM	0.00		φ110.00000	
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Estimate: Alt I KY cont 2			PE	B Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE,	TYPE B			
			Total for Group 0008	3: \$0.00
Group 0000: Subgrade Treatman	+ Limo			
Group 0009: Subgrade Treatment 0014 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY				
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
TEST KOLLING			Total for Group 0009	9: \$0.00
Crown 0040: Subgrade Tractman				
Group 0010: Subgrade Treatmen	3,309.00		\$2.50000	\$8,272.50
MAJOR COST DRIVERS, ROADWAY	3,303.00	01		
			Total for Group 0010: \$8	3,272.50
Group 0011: Subgrade Treatmen	t - Unde	rcut & I	Backfill	
0017 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0011	: \$0.00
	1 -			
Group 0012: Other Roadway Cos		10	00000 02	ድር ርር
0019 A-OC-RDWY OTHER COSTS, ROADWAY	0.00	L3	\$0.00000	\$0.00
Contingency 0020 201E11000	0.00	LS	\$856,500.00000	\$0.00
CLEARING AND GRUBBING 0021 201E21800	0.00	EACH	\$250.00000	\$0.00
TREE REMOVED, 18" SIZE 0022 201E23000	0.00		\$405.00000	\$0.00
TREE REMOVED, 30" SIZE				
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0028 202E35200 PIPE REMOVED, OVER 24"	0.00	FT		\$0.00
0029 202E38000	0.00	FT		\$0.00
GUARDRAIL REMOVED 0030 202E42206	0.00	EACH		\$0.00
ANCHOR ASSEMBLY REMOVED 0031 202E58000	0.00	EACH		\$0.00
MANHOLE REMOVED 0032 202E58100	0.00	EACH		\$0.00
CATCH BASIN REMOVED				
0033 202E75000 FENCE REMOVED	0.00			\$0.00
0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

Estimate: Alt I KY cont 2				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
PROOF ROLLING 0035 204E10000	0.00	SY	\$0.81000	\$0.00
SUBGRADE COMPACTION			••••	
0036 451E30000 SPECIAL - PRESSURE RELIEF J	0.00 OINT, TYPE A	FI		\$0.00
0037 606E13000 GUARDRAIL, TYPE 5	0.00	FT	\$14.00000	\$0.00
0038 606E22000 ANCHOR ASSEMBLY, TYPE B-98	0.00	EACH		\$0.00
0039 606E22010	0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE E-98 0040 606E26500	3 0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE T				
0041 606E35000 BRIDGE TERMINAL ASSEMBLY,	0.00 TYPE 1	EACH		\$0.00
0042 606E35100	0.00	EACH		\$0.00
BRIDGE TERMINAL ASSEMBLY, 0043 606E60010		EACH		\$0.00
IMPACT ATTENUATOR, TYPE 1-	98 (BIDIRECTION	AL)		
0044 607E15000 FENCE, TYPE 47	0.00	FT		\$0.00
For Fencing 0423 304E20000	0.00	CY		\$0.00
AGGREGATE BASE				
For Fencing 0424 601E32100	0.00	CY		\$0.00
ROCK CHANNEL PROTECTION,	TYPE B WITH FIL	TER		
For Fencing 0425 607E40500	0.00	EACH		\$0.00
GATE, TYPE 47				
For Fencing 0426 625E32000	0.00	EACH		\$0.00
GROUND ROD				• • • • •
For Fencing 0466	0.00		\$0.00000	\$0.00
	0.000		Total for Group	
			·	
Group 0014: Seeding & Mulo	ching / Soddir	ng		
0045 B-MC-ERCO MAJOR COST DRIVERS, EROSIO		LS	\$0.00000	\$0.00
0467 659E10000	1,328.00	SY	\$1.00000	\$1,328.00
SEEDING AND MULCHING 0531 660E25000	0.00	SY	\$15.00000	\$0.00
SODDING STAKED			Total for Group 001	4: \$1.328.00
	_			. ,
Group 0015: Rock Channel I	Protection			
0047 B-MC-ERCO MAJOR COST DRIVERS, EROSIO		LS	\$0.00000	\$0.00
0469 601E32000	24.00	CY	\$75.00000	\$1,800.00
ROCK CHANNEL PROTECTION,	TYPE A WITH FIL	TER	Total for Orour 001	
			Total for Group 001	ο. φι,συυ.υυ
Group 0016: Erosion Contro	l - Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
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Estimate: Alt I KY cont 2			PB A	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
MAJOR COST DRIVERS, EROSION CO				
0470 832E10000 STORM WATER POLLUTION PREVENT	1.00 FION PLAN	LS	\$20,000.00000	\$20,000.00
0471 832E20000 EROSION CONTROL	3,000.00	EACH	\$1.00000	\$3,000.00
			Total for Group 0016: \$23,	000.00
Group 0017: Other Erosion Contr	ol Costs			
0049 670E00700	0.00	SY		\$0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, EROSION CONTROL 0051 659E00100		EACH	\$0.00000	\$0.00
SOIL ANALYSIS TEST			\$0.0000	
0052 659E00300 TOPSOIL	0.00			\$0.00
0053 659E14000 REPAIR SEEDING AND MULCHING	0.00	SY		\$0.00
0054 659E15000 INTER-SEEDING	0.00	SY	\$0.71000	\$0.00
0055 659E20000 COMMERCIAL FERTILIZER	0.00	TON		\$0.00
0056 659E31000 LIME	0.00	ACRE	\$0.00000	\$0.00
0057 659E35000 WATER	0.00	MGAL	\$5.00000	\$0.00
0058 659E40000 MOWING	0.00	MSF	\$0.00000	\$0.00
			Total for Group 0017:	\$0.00
Group 0018: Underdrains				
0059 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0062 605E05100	1,223.00	FT	\$8.00000	\$9,784.00
4" SHALLOW PIPE UNDERDRAINS	,			
			Total for Group 0018: \$9,	704.00
Group 0019: Culverts - Type A: <				
0474 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	LS	\$0.00000	\$0.00
0480 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$350.00000	\$0.00
Pipe Structures - Reinforced Concrete Pi 0481 C-MC-DRNG		, EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE	0.00	LAON	\$1,000.0000	ψ0.00
Concrete Masonry			Total for Group 0019:	\$0.00
Croup 0021, Culverte Turse A. C.	10'			
Group 0021: Culverts, Type A: 5' 0067 C-MC-DRNG	- 10	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0476 C-MC-DRNG	0.00	FT	\$550.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE	0.00	11	\$330.00000 \$	φ0.00
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Estimate: Alt I KY cont 2			PB	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Pipe Structures - Reinforced Concrete 5'-	10' 66" to	78"		
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls	0.00	EACH	\$2,000.00000	\$0.00
			Total for Group 0021	: \$0.00
Group 0022: Culverts, Type A: 10)' - 20'			
0486 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0487 C-MC-DRNG	0.00	FT	\$1,400.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete Pip	pe 10'-20'			
0488 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Group 0022	: \$0.00
				φ
Group 0024: BMP's	1.00		#0.00000	^
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group 0024	: \$0.00
Group 0025: Closed Storm Syste	m			
0077 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0489 603E13400	190.00	FT	\$75.00000	\$14,250.00
30" CONDUIT, TYPE B (Average size) 0523 604E00800	4.00	EACH	\$1,500.00000	\$6,000.00
CATCH BASIN, NO. 3A 0524 604E31500	0.00	EACH	\$3,000.00000	\$0.00
MANHOLE, NO. 3 0525 604E36601	2.00	EACH	\$1,250.00000	\$2,500.00
PRECAST REINFORCED CONCRETE C 0526 Special	OUTLET, AS 0.00		\$6,400,000.00000	\$0.00
Pump Station (Storm) 0527 Special	0.00	EACH	\$5,750.00000	\$0.00
Stormceptors 0529 Special	0.00	LS	\$109,000.00000	\$0.00
Retention basin improvements			Total for Group 0025: \$22	
			Total for Group 0025: \$22	.,750.00
Group 0026: Other Drainage Cos	ts			
0078 C-OC-DRNG OTHER COSTS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
,			Total for Group 0026	: \$0.00
Group 0027: Mainline - Travel La	nes			
0095 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0494 D-MC-PVMT	0.00	SY	\$68.00000	\$0.00
13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Con	npaction			
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Estimate: Alt I KY cont 2			PB A	mericas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
			Total for Group 0027:	\$0.00
Group 0028: Mainline - Outside	e Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN	т.00	LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade C	0.00	SY	\$68.00000	\$0.00
	Joinpaolion		Total for Group 0028:	\$0.00
Group 0030: Mainline - Inside S				
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN	1.00 T	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade C	0.00	SY	\$68.00000	\$0.00
			Total for Group 0030:	\$0.00
Group 0031: Ramps (including 0122 D-MC-PVMT	shoulders)		\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMEN	Т			
0497 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade C	0.00 Compaction	SY	\$68.00000	\$0.00
			Total for Group 0031:	\$0.00
Group 0032: Non - Mainline La	nes			
0132 D-MC-PVMT	т 1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMEN 0498 D-MC-PVMT Asphalt	3,309.00		\$41.00000	\$135,669.00
Includes 3" 448, 9" 301, 6" Agg base a	and Subgrade	Compaction	Total for Group 0032: \$135,6	669.00
Group 0041: Other Pavement 0	Costs			
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
			Total for Group 0041:	\$0.00
Group 0042: Water Works				
0164 E-MC-WATR MAJOR COST DRIVERS, WATER LI	0.00 NF	LS	\$0.00000	\$0.00
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Group 0042:	ֆ Ս.ՍՍ
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY	0.00 SEWER	LS	\$0.00000	\$0.00
7:22:04AM			-	

Estimate: Alt I KY cont 2			PB A	Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
			Total for Group 0043:	\$0.00
Group 0044: Lighting - Full Interch	ange			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	EACH	\$469,000.00000	\$0.00
			Total for Group 0044:	\$0.00
Group 0045: Lighting - Partial Inter	change	9		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0045:	\$0.00
Group 0046: Lighting - Continuous	Roadv	vay		
0176 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
	1,510.00	FT	\$35.00000	\$52,850.00
			Total for Group 0046: \$52,	850.00
Group 0047: Other Lighting Costs				
0177 G-OC-LTNG OTHER COSTS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0047:	\$0.00
Group 0048: Traffic Surveillance				
0178 H-OC-SURV OTHER COSTS, TRAFFIC SURVEILLANC	0.00 E	LS	\$0.00000	\$0.00
			Total for Group 0048:	\$0.00
Group 0049: Signs				
0179 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC CONT	1.00 ROL	LS	\$0.00000	\$0.00
0501 J-MC-TRAF Signs	0.29	MILE	\$250,000.00000	\$72,500.00
			Total for Group 0049: \$72,	500.00
Group 0050: Pavement Marking				
0200 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC CONT	1.00 ROL	LS	\$0.00000	\$0.00
0502 644E00100 EDGE LINE	0.11	MILE	\$3,000.00000	\$330.00
0503 644E00200 LANE LINE	0.16	MILE	\$2,000.00000	\$320.00
			Total for Group 0050: \$	650.00

Group 0051: Other Traffic Control Costs

Estimate: Alt I KY cont 2 <u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	Quantity	<u>Units</u>	PB A <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL	1.00	LS	\$0.00000	\$0.00
Group 0052: Signals - Intersectio	ns		Total for Group 0051:	\$0.00
0212 K-MC-SGNL		EACH	\$175,000.00000	\$350,000.00
MAJOR COST DRIVERS, SIGNALS			Total for Group 0052: \$350,	00.00
Group 0053: Other Traffic Signal				
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
			Total for Group 0053:	\$0.00
Group 0054: Landscaping				
0214 L-MC-LSCP MAJOR COST DRIVERS, LANDSCAPIN	1.00	LS	\$0.00000	\$0.00
0215 L-OC-LSCP OTHER COSTS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
			Total for Group 0054:	\$0.00
Group 0055: Retaining Walls \$12	25 + \$10/	ft for ca	aps, barriers and testing	
0216 M-MC-WALL	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, RETAINING V 0504 M-MC-WALL	0.00	SF	\$135.00000	\$0.00
Retaining Walls			Total for Group 0055:	\$0.00
Group 0056: Other Retaining Wa	ll Costs			
0217 M-OC-WALL	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, RETAINING WALLS			Total for Group 0056:	\$0.00
• • • • • • • • • • • • • • • • • • •				φ0.00
Group 0057: Building Demolition	1.00	LS	\$0.00000	00.02
MAJOR COST DRIVERS, BUILDING DE	MOLITION			\$0.00
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITIC		LS	\$0.00000	\$0.00
0533 202E56101 BUILDING DEMOLISHED, AS PER PLA	0.00 N	EACH	\$30,000.00000	\$0.00
Large Commercial 0534 202E56101	0.00	EACH	\$15,000.00000	\$0.00
BUILDING DEMOLISHED, AS PER PLA Small Commercial	N			
0535 202E56101 BUILDING DEMOLISHED, AS PER PLA Large Residential	0.00 N	EACH	\$12,000.00000	\$0.00
0536 202E56101 BUILDING DEMOLISHED, AS PER PLA	0.00 N	EACH	\$7,500.00000	\$0.00
Small Residential 0537 202E98100	0.00	EACH	\$8,500.00000	\$0.00
7:22:04AM				

Estimate: Alt I KY cont 2 Line # Item Number Quadratic structure Description Supplemental Description	uantity	<u>Units</u>	PB / <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
REMOVAL MISC.: Radio Tower				
Naulo TOWEI			Total for Group 0057:	\$0.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIER	0.00	LS	\$400.00000	\$0.00
Noise Barrier			Total for Group 0058:	\$0.00
Group 0059: Other Noise Barrier Co	ete			
0221 P-OC-NSBR	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, NOISE BARRIER 0368 P-MC-NSBR	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIER			Total for Group 0059:	\$0.00
One we append the other strengt				<i>t</i> ere e
Group 0060: New Structures	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES	313.00		·	3,914,125.00
Tier 1 Structures to 25' Height 0507 R-MC-STRC	0.00		\$12.00000	\$0.00
Removal of Existing Structures non-complex			\$17.00000	\$423,963.00
Standard Removal of Existing Structures abo 0509 R-MC-STRC		age complex	\$30.00000	\$0.00
Removal of Existing Structures complex to ve 0513 R-MC-STRC		olex	\$150.00000	\$0.00
Tier 2 Structures 25' to 50' Height 0516 R-MC-STRC	0.00		\$200.00000	\$0.00
Tier 3 Structures 50' to 75' Height		•		
			Total for Group 0060: \$4,338,	000.00
Group 0061: Rehabilitated Structure		05	¢45,0000	00.0 1
0223 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	0.00	55	\$45.00000	\$0.00
			Total for Group 0061:	\$0.00
Group 0062: Other Structure Costs				
0224 R-OC-STRC OTHER COSTS, STRUCTURES	0.00	LS	\$0.00000	\$0.00
Contingency			Total for Group 0062:	\$0.00
Croup 0062. Tomporary Dood and [ant Casta		,
Group 0063: Temporary Road and F 0225 S-MC-MNTC	2aven 1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE C				
7:22:04AM				

Estimate: Alt I KY cont 2 <u>Line # Item Number</u> <u>Description</u> <u>Quantity</u>	PB A <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
Supplemental Description		
	Total for Group 0063:	\$0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0064:	\$0.00
		ψ0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0066:	\$0.00
Group 0067: Tomporary Signals		
Group 0067: Temporary Signals 0230 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC		
	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs 0233 S-OC-MNTC 1.00 LS	\$0.00000	\$0.00
OTHER COSTS, MAINTENANCE OF TRAFFIC 0512 S-OC-MNTC 0.29 MILE	\$500,000.00000	\$145,000.00
OTHER COSTS, MAINTENANCE OF TRAFFIC		
	Total for Group 0070: \$145,	000.00
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
MAGENCOULD RIVERO, WE TEAND CONSTRUCTION	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt I KY cont 2				PB Americas, Inc.
Line # Item Number	Quantity	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELLA	0.00 ANEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOUS	0.00 COSTS	LS	\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILROA LIABILITY INSURANCE	0.00 DS' PROTECTI		\$10,000.00000 IC LIABILITY AND PROPERTY DAMAGE	\$0.00
0238 623E10000 CONSTRUCTION LAYOUT STAKES 0.5%	1.00	LS	\$26,797.62000	\$26,797.62
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$107,190.47000	\$107,190.47
0240 619E16020 FIELD OFFICE, TYPE C	19.00	MNTH	\$2,500.00000	\$47,500.00
0242 624E10000 MOBILIZATION	1.00	LS	\$200,000.00000	\$200,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERFC 0.5%	1.00 DRMANCE BON		\$26,797.62000 OR PAYMENT BOND	\$26,797.62
0518	0.00		\$0.00000	\$0.00
0519	0.00		\$0.00000	\$0.00
0520	0.00		\$0.00000	\$0.00
0521	0.00		\$0.00000	\$0.00
0532	0.00		\$0.00000	\$0.00
			Total for Group 0072:	\$408,285.71

Group 0073: Design Contingency Costs

0243 V-MC-CNTG	1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, CONTINGENO	CY COSTS		
0244 V-OC-CNTG	1.00 LS	\$1,441,952.30000	\$1,441,952.30
OTHER COSTS, CONTINGENCY COST	S		
25%			

Total for Group 0073: \$1,441,952.30

Group 0074: Inflation Contingency

0266 V-OC-CNTG OTHER COSTS, CONTINGENCY COSTS	0.00	LS	\$0.00000	\$0.00
			Total for Group 0074:	¢0 00

Total for Group 0074: \$0.00

Estimate Alt I KY cont 3

Estimated Cost: \$7,818,842.99 Contingency: 29.70% Estimated Total: \$10,141,039.36

Base Date: 01/01/15 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Latitude: District: Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt I KY cont 3				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
<u>Description</u> Supplemental Description				
Group 0001: Pavement Remova	I			
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	2,006.00	SY	\$8.00000	\$16,048.00
			Total for Group 0001: \$	616,048.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1,960.00	CY	\$30.00000	\$58,800.00
			Total for Group 0002: \$	58,800.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0344 203E10000 EXCAVATION	17,640.00	CY	\$8.00000	\$141,120.00
LACAVATION			Total for Group 0003: \$1	41,120.00
Group 0004: Excavation - Hazar	dous			
0006 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 00	04: \$0.00
Group 0005: Fill - Embankment	(includes	wasting	excess excavation)	
0007 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0345 203E20000	19,600.00	CY	\$6.00000	\$117,600.00
EMBANKMENT			Total for Group 0005: \$1	17,600.00
Group 0006: Fill - Lime Modified	Soil		•	
0010 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0346 205E10050	0.00	CY	\$7.00000	\$0.00
LIME STABILIZED EMBANKMENT 0347 205E10300	0.00	TON	\$5.00000	\$0.00
LIME			Total for Group 00	006: \$0.00
Croup 0007: Fill Borrow			·	
Group 0007: Fill - Borrow	0.00	CY	\$8.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 00	07. \$0.00
				νοι. φυ.υυ
Group 0008: Concrete Barrier	1.00	1.5	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0465 622E10060			\$110.00000	\$0.00
7:29:35AM	0.00		ψ110.00000	
Thursday, December 02, 2010				Page 2 of 12

Estimate: Alt I KY cont 3			PB	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE,	TYPE B			
CONCRETE BARRIER, ONCE CECT E,	THE B		Total for Group 0008	8: \$0.00
Crown 0000: Subgrade Tractment				
Group 0009: Subgrade Treatment	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY				
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
TEST KOLLING			Total for Group 0009): \$0.00
Crown 0010: Subarada Tractman			· · · · · · · · · · · · · · · · · · ·	
Group 0010: Subgrade Treatment	533.00		\$2.50000	\$1,332.50
MAJOR COST DRIVERS, ROADWAY	555.00	01		
			Total for Group 0010: \$1	,332.50
Group 0011: Subgrade Treatment	t - Unde	rcut & I	Backfill	
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAT			Total for Group 0011	: \$0.00
Crown 0010: Other Beadway Coo	4.5			
Group 0012: Other Roadway Cos 0019 A-OC-RDWY	0.00	18	\$0.00000	\$0.00
OTHER COSTS, ROADWAY	0.00	LO	\$0.00000	φ0.00
Contingency 0020 201E11000	0.00	LS	\$856,500.00000	\$0.00
CLEARING AND GRUBBING 0021 201E21800	0.00	EACH	\$250.00000	\$0.00
TREE REMOVED, 18" SIZE 0022 201E23000	0.00	EACH	\$405.00000	\$0.00
TREE REMOVED, 30" SIZE 0023 201E24800	0.00	EACH	\$772.00000	\$0.00
TREE REMOVED, 48" SIZE				
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0028 202E35200 PIPE REMOVED, OVER 24"	0.00	FT		\$0.00
0029 202E38000 GUARDRAIL REMOVED	0.00	FT		\$0.00
0030 202E42206	0.00	EACH		\$0.00
ANCHOR ASSEMBLY REMOVED 0031 202E58000	0.00	EACH		\$0.00
MANHOLE REMOVED 0032 202E58100	0.00	EACH		\$0.00
CATCH BASIN REMOVED 0033 202E75000	0.00			\$0.00
FENCE REMOVED			Auga =0000	
0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

Estimate: Alt I KY cont 3 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	Quantity	<u>Units</u>	PB A <u>Unit Price</u>	mericas, Inc. <u>Extension</u>
PROOF ROLLING 0035 204E10000	0.00	SY	\$0.81000	\$0.00
SUBGRADE COMPACTION 0036 451E30000	0.00	FT		\$0.00
SPECIAL - PRESSURE RELIEF	JOINT, TYPE A 0.00	FT	\$14.00000	\$0.00
GUARDRAIL, TYPE 5 0038 606E22000	0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE B-9 0039 606E22010	0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE E-9 0040 606E26500 ANCHOR ASSEMBLY, TYPE T	0.00	EACH		\$0.00
0041 606E35000 BRIDGE TERMINAL ASSEMBLY	0.00	EACH		\$0.00
0042 606E35100 BRIDGE TERMINAL ASSEMBLY	0.00	EACH		\$0.00
0043 606E60010 IMPACT ATTENUATOR, TYPE 1	0.00	EACH		\$0.00
0044 607E15000 FENCE, TYPE 47 For Fencing	0.00	,		\$0.00
0423 304E20000 AGGREGATE BASE For Fencing	0.00	CY		\$0.00
0424 601E32100 ROCK CHANNEL PROTECTION For Fencing	0.00 , TYPE B WITH FIL	-		\$0.00
0425 607E40500 GATE, TYPE 47 For Fencing	0.00	EACH		\$0.00
0426 625E32000 GROUND ROD For Fencing	0.00	EACH		\$0.00
0466	0.00		\$0.00000	\$0.00
			Total for Group 0012:	\$0.00
Group 0014: Seeding & Mul 0045 B-MC-ERCO	lching / Soddir 1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROS 0467 659E10000		SY	\$1.00000	\$0.00
SEEDING AND MULCHING 0531 660E25000	0.00	SY	\$15.00000	\$0.00
SODDING STAKED		0.	Total for Group 0014:	
Croup 0015: Book Channel	Drataction			<i>Q</i> O O O
Group 0015: Rock Channel	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROS 0469 601E32000			\$75.00000	\$0.00
ROCK CHANNEL PROTECTION				
			Total for Group 0015:	φ0.00
Group 0016: Erosion Contro	ol - Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
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Estimate: Alt I KY cont 3				Americas, Inc.
Description	Quantity	<u>Units</u>	Unit Price	<u>Extension</u>
Supplemental Description				
MAJOR COST DRIVERS, EROSION CONT 0470 832E10000	TROL 1.00	LS	\$20,000.00000	\$20,000.00
STORM WATER POLLUTION PREVENTIO	ON PLAN 0,000.00	EACH	\$1.00000	\$10,000.00
EROSION CONTROL	0,000.00	L/(OIT		
			Total for Group 0016: \$30,	000.00
Group 0017: Other Erosion Control	Costs			
0049 670E00700 DITCH EROSION PROTECTION	0.00	SY		\$0.00
0050 B-OC-ERCO OTHER COSTS, EROSION CONTROL	1.00	LS	\$0.00000	\$0.00
0051 659E00100	0.00	EACH	\$0.00000	\$0.00
SOIL ANALYSIS TEST 0052 659E00300	0.00	CY		\$0.00
TOPSOIL 0053 659E14000	0.00	SY		\$0.00
REPAIR SEEDING AND MULCHING 0054 659E15000	0.00	SY	\$0.71000	\$0.00
INTER-SEEDING 0055 659E20000	0.00	TON		\$0.00
COMMERCIAL FERTILIZER 0056 659E31000		ACRE	\$0.00000	\$0.00
LIME		MGAL		
0057 659E35000 WATER	0.00		\$5.00000	\$0.00
0058 659E40000 MOWING	0.00	MSF	\$0.00000	\$0.00
			Total for Group 0017:	\$0.00
Group 0018: Underdrains				
0059 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0062 605E05100	0.00	FT	\$8.00000	\$0.00
4" SHALLOW PIPE UNDERDRAINS			Total for Group 0018:	\$0.00
				<i>v</i> · · · · ·
Group 0019: Culverts - Type A: < 5 0474 C-MC-DRNG	0.00	10	\$0.00000	00.02
MAJOR COST DRIVERS, DRAINAGE			· · · · · · · · · · · · · · · · · · ·	\$0.00
0480 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$350.00000	\$0.00
Pipe Structures - Reinforced Concrete Pipe 0481 C-MC-DRNG		EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Concrete Masonry				
			Total for Group 0019:	\$0.00
Group 0021: Culverts, Type A: 5' -	10'			
0067 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0476 C-MC-DRNG	0.00	FT	\$550.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE				
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Estimate: Alt I KY cont 3			PB A	mericas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
Pipe Structures - Reinforced Concrete 5' 0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE		78" EACH	\$2,000.00000	\$0.00
Concrete - Headwalls/wingwalls			Total for Group 0021:	\$0.00
				ψ0.00
Group 0022: Culverts, Type A: 10				
0486 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete Pl	0.00	FT	\$1,400.00000	\$0.00
0488 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete Masonry		EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Group 0022:	\$0.00
Group 0024: BMP's				
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group 0024:	\$0.00
Group 0025: Closed Storm Syste	em			
0077 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0489 603E13400	0.00	FT	\$75.00000	\$0.00
30" CONDUIT, TYPE B (Average size) 0523 604E00800	0.00	EACH	\$1,500.00000	\$0.00
CATCH BASIN, NO. 3A 0524 604E31500 MANHOLE, NO. 3	0.00	EACH	\$3,000.00000	\$0.00
0525	0.00		\$0.00000	\$0.00
0526 Special Pump Station (Storm)	0.00	LS	\$6,400,000.00000	\$0.00
0527 Special Stormceptors	0.00	EACH	\$5,750.00000	\$0.00
0529 Special Retention basin improvements	0.00	LS	\$109,000.00000	\$0.00
			Total for Group 0025:	\$0.00
Group 0026: Other Drainage Cos	sts			
0078 C-OC-DRNG OTHER COSTS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, DRAINAGE			Total for Group 0026:	\$0.00
Group 0027: Mainline - Travel La	ines			
0095 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0494 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Cor	0.00 mpaction	SY	\$68.00000	\$0.00

Estimate: Alt I KY cont 3			PB A	mericas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
			Total for Group 0027:	\$0.00
Group 0028: Mainline - Outside	Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT		LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade C	0.00	SY	\$68.00000	\$0.00
			Total for Group 0028:	\$0.00
Group 0030: Mainline - Inside S			#0.00000	# 0.00
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT		LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade C	0.00 ompaction	SY	\$68.00000	\$0.00
Group 0021: Pampa (including	chauldara		Total for Group 0030:	\$0.00
Group 0031: Ramps (including 0122 D-MC-PVMT	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0497 D-MC-PVMT			\$68.00000	\$0.00
13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade C		51	Total for Group 0031:	
Croup 0022: Non Mainling La				φ0.00
Group 0032: Non - Mainline Lar	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT	Г	-		
0498 D-MC-PVMT Asphalt	533.00		\$41.00000	\$21,853.00
Includes 3" 448, 9" 301, 6" Agg base a	nd Subgrade (Compaction	Total for Group 0032: \$21,8	353.00
Group 0041: Other Pavement C	Costs			
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
			Total for Group 0041:	\$0.00
Group 0042: Water Works				
0164 E-MC-WATR MAJOR COST DRIVERS, WATER LIN	0.00 IE	LS	\$0.00000	\$0.00
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Group 0042:	\$0.00
Group 0043: Sanitary Line 0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY	0.00 SEWER	LS	\$0.00000	\$0.00
7:29:35AM			_	

Estimate: Alt I KY cont 3			PB A	mericas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
			Total for Group 0043:	\$0.00
				ψοισσ
Group 0044: Lighting - Full Interch	-	10	#0.0000	\$ 0.00
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	EACH	\$469,000.00000	\$0.00
			Total for Group 0044:	\$0.00
Group 0045: Lighting - Partial Inte	erchange	;		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING			Total for Group 0045:	\$0.00
Croup 00/6: Lighting Continuou	a Boody	(0) (
Group 0046: Lighting - Continuou 0176 G-MC-LTNG	5 RUAUM 1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING 0500 G-MC-LTNG	840.00	FT	\$35.00000	\$29,400.00
Lighting - Continuous	040.00			
			Total for Group 0046: \$29,4	100.00
Group 0047: Other Lighting Costs	5			
0177 G-OC-LTNG OTHER COSTS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0047:	\$0.00
Group 0048: Traffic Surveillance				
0178 H-OC-SURV	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC SURVEILLAN	ICE		Total for Group 0048:	\$0.00
				ψ0.00
Group 0049: Signs			A a a a a a a a a a a	Aa aa
0179 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC CON			\$0.00000	\$0.00
0501 J-MC-TRAF Signs	0.16	MILE	\$250,000.00000	\$40,000.00
			Total for Group 0049: \$40,0	00.00
Group 0050: Pavement Marking				
0200 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CON 0502 644E00100	11ROL 0.18	MILE	\$3,000.00000	\$540.00
EDGE LINE 0503 644E00200	0.13	MILE	\$2,000.00000	\$260.00
LANE LINE			Total for Group 0050: \$8	300.00

Group 0051: Other Traffic Control Costs

Estimate: Alt I KY cont 3 <u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	PB / <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL	1.00	LS	\$0.00000	\$0.00
Group 0052: Signals - Intersection	S		Total for Group 0051:	\$0.00
0212 K-MC-SGNL		EACH	\$175,000.00000	\$350,000.00
MAJOR COST DRIVERS, SIGNALS			Total for Group 0052: \$350,	000.00
Group 0053: Other Traffic Signal C	JOSIS	LS	\$0.00000	\$0.00
OTHER COSTS, SIGNALS	1.00	20		
Group 0054: Landscaping			Total for Group 0053:	
0214 L-MC-LSCP MAJOR COST DRIVERS, LANDSCAPING			\$0.00000	\$0.00
0215 L-OC-LSCP OTHER COSTS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
Group 0055: Retaining Walls \$125 0216 M-MC-WALL MAJOR COST DRIVERS, RETAINING WA	1.00		Total for Group 0054: ps, barriers and testing \$0.00000	\$0.00
0504 M-MC-WALL Retaining Walls	0.00	SF	\$135.00000	\$0.00
Group 0056: Other Retaining Wall	Costs		Total for Group 0055:	\$0.00
0217 M-OC-WALL OTHER COSTS, RETAINING WALLS	1.00	LS	\$0.00000	\$0.00
			Total for Group 0056:	\$0.00
Group 0057: Building Demolition	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, BUILDING DEM 0219 N-OC-DEMO	10LITION 1.00	LS	\$0.00000	\$0.00
OTHER COSTS, BUILDING DEMOLITION 0532 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Commercial	0.00	EACH	\$30,000.00000	\$0.00
0533 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Commercial	0.00	EACH	\$15,000.00000	\$0.00
0534 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Residential	0.00	EACH	\$12,000.00000	\$0.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Residential		EACH	\$7,500.00000	\$0.00
0536 202E98100 7:29:35AM	0.00	EACH	\$8,500.00000	\$0.00

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Estimate: Alt I KY cont 3 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	Quantity	<u>Units</u>	PB A <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
REMOVAL MISC.: Radio Tower				
			Total for Group 0057:	\$0.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIE	R 0.00	LS	\$400.00000	\$0.00
Noise Barrier			Total for Group 0058:	\$0.00
Crown 0050: Other Maine Derrier C	Secto		·	·
Group 0059: Other Noise Barrier C 0221 P-OC-NSBR	OSIS 1.00	19	\$0.00000	\$0.00
OTHER COSTS, NOISE BARRIER			·	
0368 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIE	0.00 R	LS	\$0.00000	\$0.00
			Total for Group 0059:	\$0.00
Group 0060: New Structures				
0222 R-MC-STRC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES 0506 R-MC-STRC	0.00	SF	\$125.00000	\$0.00
Tier 1 Structures to 25' Height 0507 R-MC-STRC	0.00	SF	\$12.00000	\$0.00
	7,629.00		\$17.00000	\$299,693.00
Standard Removal of Existing Structures al 0509 R-MC-STRC	bove aver 0.00	v ,	\$30.00000	\$0.00
Removal of Existing Structures complex to	very comp 0,973.00			4,645,950.00
Tier 2 Structures 25' to 50' Height	,			
0516 R-MC-STRC Tier 3 Structures 50' to 75' Height	0.00	SF	\$200.00000	\$0.00
			Total for Group 0060: \$4,945,	643.00
Group 0061: Rehabilitated Structur	res			
0223 R-MC-STRC	0.00	SF	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES			Total for Group 0061:	\$0.00
Group 0062: Other Structure Costs 0224 R-OC-STRC	6 0.00	19	\$0.00000	\$0.00
OTHER COSTS, STRUCTURES	0.00	LO	\$0.00000	φ0.00
Contingency			Total for Group 0062:	\$0.00
Group 0063: Temporary Road and				¢ooo
0225 S-MC-MNTC MAJOR COST DRIVERS, MAINTENANCE	1.00 OF TRAF		\$0.00000	\$0.00
7:29:35AM				

Estimate: Alt I KY cont 3 <u>Line # Item Number</u> <u>Quantity</u> <u>Units</u> Description	PB A <u>Unit Price</u>	mericas, Inc. <u>Extension</u>
Supplemental Description		
	Total for Group 0063:	\$0.00
Crown 0004: Dortable Concrete Derrier (DCD)		
Group 0064: Portable Concrete Barrier (PCB) 0226 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC		
	Total for Group 0064:	\$0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0066:	\$0.00
Croup 0067: Tomporary Signala		
Group 0067: Temporary Signals 0230 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC		
	Total for Group 0067:	φ0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS	\$0.00000	\$0.00
OTHER COSTS, MAINTENANCE OF TRAFFIC 0512 S-OC-MNTC 0.16 MILE	\$500,000.00000	\$80,000.00
OTHER COSTS, MAINTENANCE OF TRAFFIC	Total for Group 0070: \$80,0	00.00
Group 0071: Wetland Construction	#0.0000	\$ 0.00
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt I KY cont 3				PB Americas, Inc.
<u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
Supplemental Description				
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELLANE	0.00 OUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOUS COS	0.00 STS	LS	\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILROADS' I LIABILITY INSURANCE	0.00		\$10,000.00000 LIC LIABILITY AND PROPERTY	\$0.00 \$0.00
0238 623E10000 CONSTRUCTION LAYOUT STAKES 0.5%	1.00	LS	\$29,162.98000	\$29,162.98
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$116,651.93000	\$116,651.93
0240 619E16020 FIELD OFFICE, TYPE C	19.00	MNTH	\$2,500.00000	\$47,500.00
0242 624E10000 MOBILIZATION	1.00	LS	\$200,000.00000	\$200,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERFORM 0.5%	1.00 ANCE BON		\$29,162.98000 FOR PAYMENT BOND	\$29,162.98
0518	0.00		\$0.00000	\$0.00
0519	0.00		\$0.00000	\$0.00
0520	0.00		\$0.00000	\$0.00
0521	0.00		\$0.00000	\$0.00
			Total for Group	0072: \$422,477.89
Group 0073: Design Contingency	Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTINGENC	1.00 Y COSTS	LS	\$0.00000	\$0.00
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY COST 25%	1.00	LS	\$1,563,768.60000	\$1,563,768.60
			Total for Group 0	073: \$1,563,768.60
Group 0074: Inflation Contingency	y			
0266 V-OC-CNTG OTHER COSTS, CONTINGENCY COST	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, CONTINGENCY COST	0		Total for	Group 0074: \$0.00

Estimate Alt I KY cont 5

Estimated Cost: \$71,530,905.30 Contingency: 57.60% Estimated Total: \$112,732,706.75

Base Date: 01/01/15 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt I KY cont 5				PB Americas, Inc.			
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension			
<u>Description</u> Supplemental Description							
Group 0001: Pavement Removal							
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00			
0343 202E23000 PAVEMENT REMOVED	212,051.00	SY	\$8.00000	\$1,696,408.00			
			Total for Group 0001:	\$1,696,408.00			
Group 0002: Excavation - Rock							
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	146,868.00	CY	\$30.00000	\$4,406,040.00			
			Total for Group 0002:	\$4,406,040.00			
Group 0003: Excavation - Soil							
0004 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00			
0344 203E10000 EXCAVATION	342,692.00	CY	\$8.00000	\$2,741,536.00			
			Total for Group 0003:	\$2,741,536.00			
Group 0004: Excavation - Hazardous							
0006 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00			
MAJOR COST DRIVERS, ROADWAY			Total for Grou	p 0004: \$0.00			
Group 0005: Fill - Embankment (includes wasting excess excavation)							
0007 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00			
MAJOR COST DRIVERS, ROADWAY 0345 203E20000 EMBANKMENT	489,560.00	CY	\$6.00000	\$2,937,360.00			
EMDAINNMENT			Total for Group 0005:	\$2,937,360.00			
Group 0006: Fill - Lime Modified	l Soil						
0010 A-MC-RDWY		LS	\$0.00000	\$0.00			
MAJOR COST DRIVERS, ROADWAY 0346 205E10050	0.00	CY	\$7.00000	\$0.00			
LIME STABILIZED EMBANKMENT 0347 205E10300	0.00	TON	\$5.00000	\$0.00			
LIME			Total for Grou	p 0006: \$0.00			
Group 0007: Fill - Borrow							
0011 A-MC-RDWY	0.00	CY	\$8.00000	\$0.00			
MAJOR COST DRIVERS, ROADWAY			Total for Grou	p 0007: \$0.00			
Crown 0000: Constate Derriter							
Group 0008: Concrete Barrier	1.00	LS	\$0.00000	\$0.00			
MAJOR COST DRIVERS, ROADWAY 0465 622E10060		FT	\$110.00000	\$2,288,000.00			
7:32:36AM	_0,000.00		φ				
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Estimate: Alt I KY cont 5				PB Americas, Inc.				
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension				
<u>Description</u> Supplemental Description								
CONCRETE BARRIER, SINGLE SLOPE, TYPE B								
			Total for Group 0008: \$2	2,288,000.00				
Group 0009: Subgrade Treatmen	t - Lime							
0014 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00				
MAJOR COST DRIVERS, ROADWAY 0348 206E10000	0.00	SY	\$1.85000	\$0.00				
LIME STABILIZED SUBGRADE 0349 206E10300	0.00	TON	\$10.00000	\$0.00				
LIME 0350 206E11000	0.00	SY	\$1.00000	\$0.00				
CURING COAT 0351 206E20000	0.00	HOUR	\$4.00000	\$0.00				
TEST ROLLING			Total for Group	0009 \$0.00				
				0003. 00.00				
Group 0010: Subgrade Treatmen			* 0 5 0000					
0016 A-MC-RDWY 2 MAJOR COST DRIVERS, ROADWAY	298,491.00	SY	\$2.50000	\$746,227.50				
			Total for Group 0010:	\$746,227.50				
Group 0011: Subgrade Treatment - Undercut & Backfill								
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00				
			Total for Group	0011: \$0.00				
Group 0012: Other Roadway Cos	ete							
0019 A-OC-RDWY	0.00	LS	\$0.00000	\$0.00				
OTHER COSTS, ROADWAY Contingency								
0020 201E11000 CLEARING AND GRUBBING	0.00	LS	\$856,500.00000	\$0.00				
0021 201E21800 TREE REMOVED, 18" SIZE	0.00	EACH	\$250.00000	\$0.00				
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00				
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00				
0026 202E11000	0.00	LS	\$9,310.13000	\$0.00				
STRUCTURE REMOVED 0028 202E35200	0.00	FT		\$0.00				
PIPE REMOVED, OVER 24" 0029 202E38000	0.00	FT		\$0.00				
GUARDRAIL REMOVED 0030 202E42206	0.00	EACH		\$0.00				
ANCHOR ASSEMBLY REMOVED 0031 202E58000	0.00	EACH		\$0.00				
MANHOLE REMOVED 0032 202E58100	0.00	EACH		\$0.00				
CATCH BASIN REMOVED 0033 202E75000	0.00			\$0.00				
FENCE REMOVED 0034 204E45000		HOUR	\$126.59000	\$0.00				
0034 204E43000	0.00	HOUR	\$120.33000	Φ0.00				

Estimate: Alt I KY cont 5				PB Americas, Inc.
Line # Item Number	Quantity	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
PROOF ROLLING				
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF JOIN	0.00 JT TYPE A	FT		\$0.00
0037 606E13000 GUARDRAIL, TYPE 5	5,300.00	FT	\$14.00000	\$74,200.00
0038 606E22000	0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE B-98 0039 606E22010	0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE E-98 0040 606E26500	0.00	EACH		00.02
0040 606E26500 ANCHOR ASSEMBLY, TYPE T	0.00	EACH		\$0.00
0041 606E35000 BRIDGE TERMINAL ASSEMBLY, TY	0.00	EACH		\$0.00
0042 606E35100 BRIDGE TERMINAL ASSEMBLY, TY	0.00	EACH		\$0.00
0043 606E60010	0.00	EACH		\$0.00
IMPACT ATTENUATOR, TYPE 1-98 0044 607E15000	(BIDIRECTION 0.00	,		\$0.00
FENCE, TYPE 47 For Fencing				
0423 304E20000 AGGREGATE BASE	0.00	CY		\$0.00
For Fencing				
0424 601E32100 ROCK CHANNEL PROTECTION, TY	0.00 PE B WITH FIL			\$0.00
For Fencing				
0425 607E40500 GATE, TYPE 47 <i>For Fencing</i>	0.00	EACH		\$0.00
0426 625E32000 GROUND ROD	0.00	EACH		\$0.00
For Fencing 0466	0.00		\$0.00000	\$0.00
0400	0.00		Total for Group 0012:	•
				φr 1,200.00
Group 0014: Seeding & Mulchi	ng / Soddir	ng		
0045 B-MC-ERCO MAJOR COST DRIVERS, EROSION		LS	\$0.00000	\$0.00
0467 659E10000 SEEDING AND MULCHING	133,774.00	SY	\$1.00000	\$133,774.00
0531 660E25000	0.00	SY	\$15.00000	\$0.00
SODDING STAKED			Total for Group 0014: §	6133,774.00
Group 0015: Rock Channel Pro	otection			
0047 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSION	CONTROL			
0469 601E32000 ROCK CHANNEL PROTECTION, TY	192.00 PE A WITH FIL	CY TER	\$75.00000	\$14,400.00
			Total for Group 0015:	\$14,400.00
Group 0016: Erosion Control -	Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
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Line # Item Number Description Supplemental Description	<u>Quantity</u>	Units	<u>Unit Price</u>	<u>Extension</u>
MAJOR COST DRIVERS, EROSION CO				
0470 832E10000 STORM WATER POLLUTION PREVEN	1.00 TION PLAN	LS	\$50,000.00000	\$50,000.00
	300,000.00	EACH	\$1.00000	\$300,000.00
			Total for Group 0016:	\$350,000.00
Group 0017: Other Erosion Cont	rol Costs			
0049 670E00700	0.00	SY		\$0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, EROSION CONTROL				
0051 659E00100 SOIL ANALYSIS TEST	0.00	EACH	\$0.00000	\$0.00
0052 659E00300 TOPSOIL	0.00	CY		\$0.00
0053 659E14000 REPAIR SEEDING AND MULCHING	0.00	SY		\$0.00
0054 659E15000	0.00	SY	\$0.71000	\$0.00
INTER-SEEDING 0055 659E20000	0.00	TON		\$0.00
COMMERCIAL FERTILIZER 0056 659E31000	0.00	ACRE	\$0.00000	\$0.00
LIME 0057 659E35000	0.00	MGAL	\$5.00000	\$0.00
WATER 0058 659E40000	0.00	MSF	\$0.00000	\$0.00
MOWING	0.00	MOL		
			Total for Group	0017: \$0.00
Group 0018: Underdrains				
0059 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0062 605E05100	29,635.00	FT	\$8.00000	\$237,080.00
4" SHALLOW PIPE UNDERDRAINS			Total for Group 0018:	\$237,080.00
Crown 0040: Culverte Turc A			·	. ,
Group 0019: Culverts - Type A: < 0474 C-MC-DRNG	5 0.00	10	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			·	
0480 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	86.00	FT	\$350.00000	\$30,100.00
Pipe Structures - Reinforced Concrete P 0481 C-MC-DRNG		EACH	\$1,500.00000	\$3,000.00
MAJOR COST DRIVERS, DRAINAGE Concrete Masonry			• .,	<i> </i>
Concrete Masonry			Total for Group 0019:	\$33,100.00
Group 0021: Culvarta Tupa A: 5	- 10'			
Group 0021: Culverts, Type A: 5' 0067 C-MC-DRNG	- TU 1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0476 C-MC-DRNG	36.00	FT	\$550.00000	\$19,800.00
MAJOR COST DRIVERS, DRAINAGE	30.00	ΓI	ຈວວບ.ບບບບບ	φτ9,600.00
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Estimate: Alt I KY cont 5				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Pipe Structures - Reinforced Concrete	5'-10' 66" to	78"		
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		EACH	\$2,000.00000	\$2,000.00
Consister medanans mighane			Total for Group 002	1: \$21,800.00
Group 0022: Culverts Type A: 1	0' 20'			
Group 0022: Culverts, Type A: 1 0486 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0487 C-MC-DRNG			·	
MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$1,400.00000	\$0.00
Pipe Structures - Reinforced Concrete I 0488 C-MC-DRNG	Pipe 10'-20' 0.00	EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Concrete Masonry			+ ,	•
Concrete Masonry			Total for Grou	p 0022: \$0.00
Group 0024: BMP's	1.00		¢0,0000	¢0.00
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Grou	p 0024: \$0.00
Group 0025: Closed Storm Syst	em			
0077 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0489 603E13400	11,994.00	FT	\$75.00000	\$899,550.00
30" CONDUIT, TYPE B (Average size)	·			
CATCH BASIN, NO. 3A		EACH	\$1,500.00000	\$126,000.00
0524 604E31500 MANHOLE, NO. 3	20.00	EACH	\$3,000.00000	\$60,000.00
0525 604E36601			\$1,250.00000	\$16,250.00
PRECAST REINFORCED CONCRETE 0526 Special	0.00 0.00		\$6,400,000.00000	\$0.00
Pump Station (Storm) 0527 Special	0.00	EACH	\$5,750.00000	\$0.00
Stormceptors 0529 Special	0.00	LS	\$109,000.00000	\$0.00
Retention basin improvements	0.00	LO		
			Total for Group 0025:	\$1,101,800.00
Group 0026: Other Drainage Co	sts			
0078 C-OC-DRNG	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, DRAINAGE			Total for Grou	p 0026: \$0.00
				p 0020. 40.00
Group 0027: Mainline - Travel La				
0095 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0494 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Co	171,479.00	SY	\$68.00000	\$11,660,572.00
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Estimate: Alt I KY cont 5 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	PB Americas, Inc. <u>Extension</u>
			Total for Group 0027: S	\$11,660,572.00
Group 0028: Mainline - Outside	Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement	38,883.00	SY	\$68.00000	\$2,644,044.00
Includes 6" Agg base and Subgrade Co.	mpaction		Total for Group 0028:	\$2,644,044.00
Group 0030: Mainline - Inside St	noulder			
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Col	38,377.00	SY	\$68.00000	\$2,609,636.00
			Total for Group 0030:	\$2,609,636.00
Group 0031: Non - Mainline Lan	es			
0532 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0533 D-MC-PVMT Asphalt	3,441.00		\$41.00000	\$141,081.00
Includes 3" 448, 9" 301, 6" Agg base an	d Subgrade (Compaction	Total for Group 003	I: \$141,081.00
Group 0036: Ramps (including s	houlders))		
0122 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0497 D-MC-PVMT 13" Reinforced Concrete Pavement	46,310.00	SY	\$68.00000	\$3,149,080.00
Includes 6" Agg base and Subgrade Co.	mpaction		Total for Group 0036:	\$3,149,080.00
Crown 0041: Other Devemant C	aata		·	
Group 0041: Other Pavement Co 0163 D-OC-PVMT	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, PAVEMENT			Total for Grou	up 0041: \$0.00
				φ.0041. ψ0.00
Group 0042: Water Works	0.00		A 0.00000	\$ 2.22
0164 E-MC-WATR MAJOR COST DRIVERS, WATER LINE			\$0.00000	\$0.00
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Grou	up 0042: \$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY S	0.00 EWER	LS	\$0.00000	\$0.00
7:32:36AM				

7:32:36AM Thursday, December 02, 2010

Estimate: Alt I KY cont 5			PB	Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
			Total for Group 0043	: \$0.00
Group 0044: Lighting - Full Inte	erchange			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	2.00	EACH	\$469,000.00000	\$938,000.00
			Total for Group 0044: \$938	,000.00
Group 0045: Lighting - Partial I	nterchange)		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0045	: \$0.00
Group 0046: Lighting - Continu	ous Roadv	vay		
0176 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0500 G-MC-LTNG Lighting - Continuous	13,415.00	FT	\$35.00000	\$469,525.00
			Total for Group 0046: \$469	,525.00
Group 0047: Other Lighting Co	sts			
0177 G-OC-LTNG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, LIGHTING			Total for Group 0047	: \$0.00
Group 0048: Traffic Surveillanc	<u>م</u>			
0178 H-OC-SURV	1.00	LS	\$537,486.54000	\$537,486.54
OTHER COSTS, TRAFFIC SURVEIL	LANCE		Total for Group 0048: \$537	,486.54
Group 0040: Signs				
Group 0049: Signs 0179 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC C 0501 J-MC-TRAF	CONTROL 2.54	MILE	\$250,000.00000	\$635,000.00
Signs			Total for Group 0049: \$635	
				,000.00
Group 0050: Pavement Marking 0200 J-MC-TRAF	0		00000	00.02
MAJOR COST DRIVERS, TRAFFIC C			\$0.00000	\$0.00
0502 644E00100 EDGE LINE	18.30	MILE	\$3,000.00000	\$54,900.00
0503 644E00200 LANE LINE	17.93	MILE	\$2,000.00000	\$35,860.00
			Total for Group 0050: \$90	,760.00

Group 0051: Other Traffic Control Costs

Estimate: Alt I KY cont 5 Line # Item Number Q Description Supplemental Description	Quantity		PB A <u>Unit Price</u>	PB Americas, Inc. <u>Extension</u>		
0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL	1.00	LS	\$0.00000	\$0.00		
Group 0052: Signals - Intersections			Total for Group 0051:	\$0.00		
0212 K-MC-SGNL	1.00	LS	\$0.00000	\$0.00		
MAJOR COST DRIVERS, SIGNALS			Total for Group 0052:	\$0.00		
Group 0053: Other Traffic Signal Co			A 2 A 2 A 2 A	^		
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00		
			Total for Group 0053:	\$0.00		
Group 0054: Landscaping						
0214 L-MC-LSCP	1.00	LS	\$0.00000	\$0.00		
MAJOR COST DRIVERS, LANDSCAPING 0215 L-OC-LSCP	1.00	LS	\$0.00000	\$0.00		
OTHER COSTS, LANDSCAPING			Total for Group 0054:	\$0.00		
Oroup 0055, Dataining Malla \$425	. @10/	ft for or				
Group 0055: Retaining Walls \$125 - 0216 M-MC-WALL	ት		\$0.00000	\$0.00		
MAJOR COST DRIVERS, RETAINING WAL	LS.		·			
0504 M-MC-WALL 8 Retaining Walls	,870.00	55		1,197,450.00		
			Total for Group 0055: \$1,197,4	450.00		
Group 0056: Other Retaining Wall 0	Costs					
0217 M-OC-WALL OTHER COSTS, RETAINING WALLS	1.00	LS	\$0.00000	\$0.00		
			Total for Group 0056:	\$0.00		
Group 0057: Building Demolition						
0218 N-MC-DEMO	1.00	LS	\$0.00000	\$0.00		
MAJOR COST DRIVERS, BUILDING DEMC 0219 N-OC-DEMO	LITION 1.00	LS	\$0.00000	\$0.00		
OTHER COSTS, BUILDING DEMOLITION 0534 202E56101	3.00	EACH	\$7,500.00000	\$22,500.00		
BUILDING DEMOLISHED, AS PER PLAN Small Residential	0.00		.	<i> </i>		
0535 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Residential	2.00	EACH	\$12,000.00000	\$24,000.00		
0536 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Commercial	0.00	EACH	\$15,000.00000	\$0.00		
0537 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Commercial	1.00	EACH	\$30,000.00000	\$30,000.00		
0538 202E98100 7:32:36AM	0.00	EACH	\$8,500.00000	\$0.00		

7:32:36AM Thursday, December 02, 2010

Estimate: Alt I KY cont 5 Line # Item Number C Description Supplemental Description	luantity	<u>Units</u>	<u>Unit Price</u>	PB Americas, Inc. <u>Extension</u>
REMOVAL MISC.: Radio Tower				
Naulo Tower			Total for Group 0057: \$7	76,500.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR	1.00	LS	\$0.00000	\$0.00
	8,304.00	SF	\$25.00000	\$1,457,600.00
Noise Barrier			Total for Group 0058: \$1,4	57,600.00
Group 0050: Other Noise Barrier C	octo			
Group 0059: Other Noise Barrier Co 0221 P-OC-NSBR	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, NOISE BARRIER 0368 P-MC-NSBR	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIEF	R		Total for Group 005	
				J9. 40.00
Group 0060: New Structures	4.00		A A A AAAA	* •••••
0222 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	1.00		\$0.00000	\$0.00
Tier 1 Structures to 25' Height	<i>'</i> ,961.00		\$125.00000	\$9,745,125.00
0507 R-MC-STRC Removal of Existing Structures non-complex	0.00	SF	\$12.00000	\$0.00
	,915.00		\$17.00000	\$882,555.00
0509 R-MC-STRC Removal of Existing Structures complex to v	0.00	SF	\$30.00000	\$0.00
0513 R-MC-STRC Tier 2 Structures 25' to 50' Height	0.00		\$150.00000	\$0.00
0516 R-MC-STRC Tier 3 Structures 50' to 75' Height	0.00	SF	\$200.00000	\$0.00
			Total for Group 0060: \$10,62	27,680.00
Group 0061: Rehabilitated Structure	es			
0223 R-MC-STRC	0.00	SF	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES			Total for Group 006	61: \$0.00
Crown 0000, Other Structure Costs				
Group 0062: Other Structure Costs 0224 R-OC-STRC	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, STRUCTURES Contingency				
			Total for Group 006	62: \$0.00
Group 0063: Temporary Road and	Paven	nent Cost	S	
0225 S-MC-MNTC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE	UF TRAI			
7:32:36AM				

Estimate: Alt I KY cont 5 Line # Item Number Quantity Units Description Supplemental Description	PB A <u>Unit Price</u>	mericas, Inc. <u>Extension</u>
	Total for Group 0063:	\$0.00
		\$0100
Group 0064: Portable Concrete Barrier (PCB)	#0.00000	¢0.00
0226 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0064:	\$0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0066:	\$0.00
		~ • • • • •
Group 0067: Temporary Signals 0230 S-MC-MNTC 0.00 LS	¢0,0000	<u>م</u>
0230 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0069:	\$0.00
		V 0100
Group 0070: Other MOT Costs 0233 S-OC-MNTC 1.00 LS	\$0.00000	\$0.00
OTHER COSTS, MAINTENANCE OF TRAFFIC		
0512 S-OC-MNTC 2.54 MILE OTHER COSTS, MAINTENANCE OF TRAFFIC		1,270,000.00
	Total for Group 0070: \$1,270,0	00.00
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt I KY cont 5				PB Americas, Inc.
<u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELLA	0.00 NEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOUS	0.00		\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILROAD LIABILITY INSURANCE	0.00		\$10,000.00000 IC LIABILITY AND PROPERTY	\$0.00 DAMAGE
0238 623E10000 CONSTRUCTION LAYOUT STAKES 0.5%	1.00	LS	\$271,430.70000	\$271,430.70
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$1,085,722.80000	\$1,085,722.80
0240 619E16020 FIELD OFFICE, TYPE C	44.00	MNTH	\$2,500.00000	\$110,000.00
0242 624E10000 MOBILIZATION	1.00	LS	\$1,200,000.00000	\$1,200,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERFO 0.5%	1.00 RMANCE BON		\$271,430.70000 FOR PAYMENT BOND	\$271,430.70
0518	0.00		\$0.00000	\$0.00
0519	0.00		\$0.00000	\$0.00
0520	0.00		\$0.00000	\$0.00
0521	0.00		\$0.00000	\$0.00
			Total for Group 0	072: \$2,938,584.20
Group 0073: Design Continger	cy Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTING	1.00 ENCY COSTS	LS	\$0.00000	\$0.00
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY CC 25%	1.00	LS	\$14,306,181.06000	\$14,306,181.06
			Total for Group 00	73: \$14,306,181.06
Group 0074: Inflation Continge	ncy			
0266 V-OC-CNTG OTHER COSTS, CONTINGENCY CO	0.00 STS	LS	\$0.00000	\$0.00
			Total for	Group 0074: \$0.00

PID	KY-5	County	Kenton	Route	75	Section	This R/W Acquisition cost estimate i
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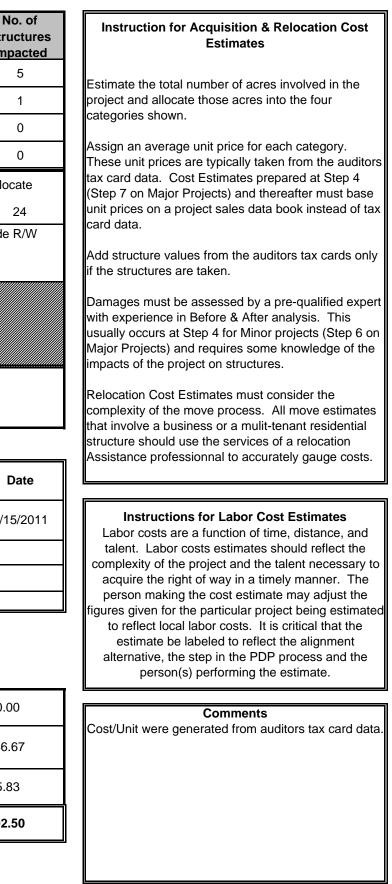
Macro View												At	tributes		
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	=	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No Struc Impa
-Residential	3.31	х	\$82,451.65	\$272,750	+	855500	+	N/A	\$855,500.00	=	\$1,128,250.05	17	6	11	
-Commercial	6.68	Х	\$147,451.64	\$985,065	+	1135000	+	N/A	\$1,135,000.00	=	\$2,120,065.42	19	1	18	
-Industrial	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
-Agricultural	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	I	\$0.00	0	0	0	
Relocation	Unit (Displacement)	x	*RHP	P/*RSP	+	Move Cost	+	Reestabli	ishment	=	Total Non Labor RAP Costs	Estimate amount of time necessary to rel all RAP parcels = (months)			
-Residential Owner Occupant Tenant	3 14	x x		l,000),000	+	\$6,000 \$1,750				=	\$120,000 \$164,500		e number of year uisition begins =		ct wide F 3.5
-Commerical/Farm/NPO Owner Tenant	1 1				x x	\$15,000 \$15,000	++	\$10, \$10,		=	\$25,000 \$25,000				
-Personal Property	0				Х	\$1,000				=	\$0				
{[(Total Cost of Acquisition Cost)x	0.90]x0.025}+{[(Total c Cost)x0.10]x1.50}		• •	15]x1.20}+{[(Total	of Ac	quisition		Contin (Incidentals, Admin. Re		n)	1145031.203		placement Hous nt Supplemental		
								Total Non Lab	or R/W Costs		\$4,727,846.67		on-Profit Organiza		

Macro View					
Labor (External)	Unit (Parcels)	Х	Unit Price	=	Total Cost
Titles	36	Х	\$400	=	\$14,400
Appraisal -Simple	12	x	\$750	_	\$9,000
-Detailed	24	x	\$4,500	=	\$108,000
Appraisal Review					
-Simple	12	х	\$500	=	\$6,000
-Detailed	24	х	\$2,000	=	\$48,000
Negotiations	36	Х	\$1,100	=	\$39,600
Relocations					
-Personal Property	0	Х	\$1,500	=	\$0
-Residential	17	Х	\$5,200	=	\$88,400
-Commercial/Farm/*NPO	1	Х	\$5,600	=	\$5,600
Closings	36	Х	\$400	=	\$14,400
Project Management	36	Х	\$550	=	\$19,800
Asbestos Testing & Abatement		Х		=	
		Tota	al Labor Costs		\$353,200
*NPO = Non-Profit Organization					-

This R/W Cost Estimate Prepared by								
Joseph Kuehnle								
This R/W Cost Estimate was performed at Step								
of the PDP for	MAJOR	Projects using						

Total Labor Costs	\$353,200.0
Total Non Labor R/W Costs	\$4,727,846.
Inflation Adjustments	\$416,645.8
Total R/W Costs	\$5,497,692.

P.D.P. R/W Cost Estimator



Estimate Alt I KY cont 6

Estimated Cost: \$33,202,743.20 Contingency: 53.80% Estimated Total: \$51,065,819.04

Base Date: 01/01/15 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt I KY cont 6				PB Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
Group 0001: Pavement Remova	al			
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	52,245.00	SY	\$8.00000	\$417,960.00
			Total for Group 0001:	\$417,960.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	331,350.00	CY	\$30.00000	\$9,940,500.00
			Total for Group 0002: \$	9,940,500.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0344 203E10000 EXCAVATION	331,350.00	CY	\$8.00000	\$2,650,800.00
			Total for Group 0003: \$2	2,650,800.00
Group 0004: Excavation - Haza	rdous			
0006 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
MAJON COOT DRIVENO, NOADWAT			Total for Group	0004: \$0.00
Group 0005: Fill - Embankment	(includes	wasting	g excess excavation)	
0007 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0345 203E20000 EMBANKMENT	662,700.00	CY	\$6.00000	\$3,976,200.00
			Total for Group 0005: \$	3,976,200.00
Group 0006: Fill - Lime Modified	l Soil			
0010 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0346 205E10050 LIME STABILIZED EMBANKMENT	0.00	CY	\$7.00000	\$0.00
0347 205E10300 LIME	0.00	TON	\$5.00000	\$0.00
			Total for Group	0006: \$0.00
Group 0007: Fill - Borrow				
0011 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$8.00000	\$0.00
MAJOR COST DRIVERS, ROADWAT			Total for Group	0007: \$0.00
Group 0008: Concrete Barrier				
0012 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0465 622E10060	3,600.00	FT	\$110.00000	\$396,000.00
7:34:02AM Thursday, December 02, 2010				Page 2 of 12

Estimate: Alt I KY cont 6				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE	, TYPE B			
			Total for Group 0008:	\$396,000.00
Group 0009: Subgrade Treatmen	t - Lime			
0014 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0348 206E10000	0.00	SY	\$1.85000	\$0.00
LIME STABILIZED SUBGRADE 0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000	0.00	SY	\$1.00000	\$0.00
CURING COAT 0351 206E20000	0.00	HOUR	\$4.00000	\$0.00
TEST ROLLING			Total for Group	0009: \$0.00
Group 0010: Subgrade Treatmen	t - Come	nt		
0016 A-MC-RDWY	81,883.00		\$2.50000	\$204,707.50
MAJOR COST DRIVERS, ROADWAY	·		Total for Group 0010:	
				φ204,707.00
Group 0011: Subgrade Treatmen				
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
			Total for Group	0011: \$0.00
Group 0012: Other Roadway Cos	sts			
0019 A-OC-RDWY OTHER COSTS, ROADWAY	0.00	LS	\$0.00000	\$0.00
Contingency	0.00		¢256 500 00000	00.02
0020 201E11000 CLEARING AND GRUBBING	0.00		\$856,500.00000	\$0.00
0021 201E21800 TREE REMOVED, 18" SIZE	0.00	EACH	\$250.00000	\$0.00
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0028 202E35200	0.00	FT		\$0.00
PIPE REMOVED, OVER 24" 0029 202E38000	0.00	FT		\$0.00
GUARDRAIL REMOVED 0030 202E42206	0.00	EACH		\$0.00
ANCHOR ASSEMBLY REMOVED 0031 202E58000	0.00	EACH		\$0.00
MANHOLE REMOVED 0032 202E58100	0.00	EACH		\$0.00
CATCH BASIN REMOVED 0033 202E75000	0.00	FT		\$0.00
FENCE REMOVED 0034 204E45000		HOUR	\$126.59000	\$0.00
	0.00		¥120.00000	φ0.00

Estimate: Alt I KY cont 6				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
PROOF ROLLING				
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF JOI	0.00 NT TYPE A	FT		\$0.00
0037 606E13000 GUARDRAIL, TYPE 5	1,250.00	FT	\$14.00000	\$17,500.00
0038 606E22000	0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE B-98 0039 606E22010	0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE E-98 0040 606E26500	0.00	EACH		\$0.00
ANCHOR ASSEMBLY, TYPE T 0041 606E35000	0.00	EACH		\$0.00
BRIDGE TERMINAL ASSEMBLY, TY 0042 606E35100	(PE 1 0.00	EACH		\$0.00
BRIDGE TERMINAL ASSEMBLY, TY 0043 606E60010	(PE 2	EACH		\$0.00
IMPACT ATTENUATOR, TYPE 1-98	(BIDIRECTION	AL)		
0044 607E15000 FENCE, TYPE 47 <i>For Fencing</i>	0.00	FT		\$0.00
0423 304E20000 AGGREGATE BASE For Fencing	0.00	CY		\$0.00
0424 601E32100 ROCK CHANNEL PROTECTION, TY	0.00 PE B WITH FIL	-		\$0.00
For Fencing 0425 607E40500 GATE, TYPE 47 For Fencing	0.00	EACH		\$0.00
0426 625E32000 GROUND ROD	0.00	EACH		\$0.00
For Fencing 0466	0.00		\$0.00000	\$0.00
			Total for Group 0012:	\$17,500.00
Group 0014: Seeding & Mulch	ina / Soddir	חמ		
0045 B-MC-ERCO	1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSION 0467 659E10000	67,695.00	SY	\$1.00000	\$67,695.00
SEEDING AND MULCHING 0531 660E25000	0.00	SY	\$15.00000	\$0.00
SODDING STAKED			Total for Group 0014:	\$67.695.00
Group 0015: Rock Channel Pr	otection			. ,
0047 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSION 0469 601E32000	I CONTROL 12.00	CY	\$75.00000	\$900.00
ROCK CHANNEL PROTECTION, T				
			Total for Group 001	12: \$900.00
Group 0016: Erosion Control -	Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
7:34:02AM				Dego 4 of 12

Estimate: Alt I KY cont 6				PB Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
Supplemental Description				
MAJOR COST DRIVERS, EROSION C 0470 832E10000	ONTROL 1.00	LS	\$50,000.00000	\$50,000.00
STORM WATER POLLUTION PREVEN	NTION PLAN	EACH	· · · · ·	
0471 832E20000 EROSION CONTROL	300,000.00	EACH	\$1.00000	\$300,000.00
			Total for Group 0016:	\$350,000.00
Group 0017: Other Erosion Cont	trol Costs			
0049 670E00700 DITCH EROSION PROTECTION	0.00	SY		\$0.00
0050 B-OC-ERCO	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, EROSION CONTROL 0051 659E00100		EACH	\$0.00000	\$0.00
SOIL ANALYSIS TEST 0052 659E00300	0.00	CY		\$0.00
TOPSOIL 0053 659E14000	0.00	SY		\$0.00
REPAIR SEEDING AND MULCHING 0054 659E15000	0.00		\$0.71000	\$0.00
INTER-SEEDING			\$0.71000	
0055 659E20000 COMMERCIAL FERTILIZER	0.00	TON		\$0.00
0056 659E31000 LIME	0.00	ACRE	\$0.00000	\$0.00
0057 659E35000 WATER	0.00	MGAL	\$5.00000	\$0.00
0058 659E40000 MOWING	0.00	MSF	\$0.00000	\$0.00
MOWING			Total for Group	0017: \$0.00
Group 0018: Underdrains 0059 C-MC-DRNG	1.00	19	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE				
0062 605E05100 4" SHALLOW PIPE UNDERDRAINS	10,850.00	FT	\$8.00000	\$86,800.00
			Total for Group 0018	: \$86,800.00
Group 0019: Culverts - Type A:	< 5'			
0474 C-MC-DRNG	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0480 C-MC-DRNG	37.00	FT	\$350.00000	\$12,950.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete I	Pipe up to 60"			
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00		\$1,500.00000	\$1,500.00
Concrete Masonry			T () () 0 0 00 (0	
			Total for Group 0019	: \$14,450.00
Group 0021: Culverts, Type A: 5	5' - 10'			
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0476 C-MC-DRNG	0.00	FT	\$550.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE				
7:34:02AM Thursday, December 02, 2010				Page 5 of 12

Estimate: Alt I KY cont 6				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
Pipe Structures - Reinforced Concrete	5' 10' 66" to	70"		
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		EACH	\$2,000.00000	\$0.00
			Total for Group	0021: \$0.00
Crown 0022; Culverte Type A: 1				
Group 0022: Culverts, Type A: 1 0486 C-MC-DRNG	1.00	19	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			·	
0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$1,400.00000	\$0.00
Pipe Structures - Reinforced Concrete I 0488 C-MC-DRNG	Pipe 10'-20' 0.00	EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	φ0.00
Concrete Masonry			Total for Group	0022 \$0.00
				0022. 00.00
Group 0024: BMP's				
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group	0024: \$0.00
Group 0025: Closed Storm Syst			#0 00000	\$ 0.00
0077 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0489 603E13400 30" CONDUIT, TYPE B (Average size)	3,608.00	FT	\$75.00000	\$270,600.00
0523 604E00800	14.00	EACH	\$1,500.00000	\$21,000.00
CATCH BASIN, NO. 3A 0524 604E31500	1.00	EACH	\$3,000.00000	\$3,000.00
MANHOLE, NO. 3 0525 604E36601	0.00	EACH	\$1,250.00000	\$0.00
PRECAST REINFORCED CONCRETE	OUTLET, AS	PER PLAN		
0526 Special Pump Station (Storm)	0.00		\$6,400,000.00000	\$0.00
0527 Special Stormceptors	0.00	EACH	\$5,750.00000	\$0.00
0529 Special	0.00	LS	\$109,000.00000	\$0.00
Retention basin improvements			Total for Group 0025:	\$294.600.00
				+ - ,
Group 0026: Other Drainage Co				
0078 C-OC-DRNG OTHER COSTS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group	0026: \$0.00
Group 0027: Mainling Travel	anas			
Group 0027: Mainline - Travel La 0095 D-MC-PVMT	anes 1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT				
0494 D-MC-PVMT 13" Reinforced Concrete Pavement	59,563.00	SY	\$68.00000	\$4,050,284.00
Includes 6" Agg Base and Subgrade Co	ompaction			
7:34:02AM Thursday, December 02, 2010				Page 6 of 12

Estimate: Alt I KY cont 6				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
			Total for Group 0027: \$	4,050,284.00
Group 0028: Mainline - Outside Sh	oulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement	8,534.00	SY	\$68.00000	\$580,312.00
Includes 6" Agg base and Subgrade Compa	action		Total for Group 0028:	\$580,312.00
Group 0030: Mainline - Inside Shou	ulder			
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 1 13" Reinforced Concrete Pavement	1,410.00	SY	\$68.00000	\$775,880.00
Includes 6" Agg base and Subgrade Compa	action		Total for Group 0030:	\$775,880.00
Group 0031: Ramps (including sho	ulders)			
0122 D-MC-PVMT	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0497 D-MC-PVMT 13" Reinforced Concrete Pavement	2,376.00	SY	\$68.00000	\$161,568.00
Includes 6" Agg base and Subgrade Compa	action		Total for Group 0031:	\$161,568.00
Group 0032: Non - Mainline Lanes				
0132 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0498 D-MC-PVMT Asphalt	0.00	SY	\$41.00000	\$0.00
Includes 3" 448, 9" 301, 6" Agg base and S	Subgrade (Compaction	Total for Group	0032: \$0.00
Group 0041: Other Pavement Cost	tS			
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
			Total for Group	0041: \$0.00
Group 0042: Water Works				
0164 E-MC-WATR MAJOR COST DRIVERS, WATER LINE	0.00	LS	\$0.00000	\$0.00
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Group	0042: \$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY SEW	0.00 /ER	LS	\$0.00000	\$0.00
7:34:02AM				

Estimate: Alt I KY cont 6			PB	Americas, Inc.
<u>Line # Item Number</u> <u>Description</u> Supplemental Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Supplemental Description</u>			Total for Group 0043:	\$0.00
Group 0044: Lighting - Full Intercha	ange			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	EACH	\$469,000.00000	\$0.00
			Total for Group 0044:	\$0.00
Group 0045: Lighting - Partial Inter	change)		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0045:	\$0.00
Group 0046: Lighting - Continuous	Roadv	vay		
0176 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
	3,600.00	FT	\$35.00000	\$126,000.00
Lighting - Continuous			Total for Group 0046: \$126,	000.00
Group 0047: Other Lighting Costs				
0177 G-OC-LTNG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, LIGHTING			Total for Group 0047:	\$0.00
Group 0048: Traffic Surveillance				
0178 H-OC-SURV	1.00	LS	\$246,872.97000	\$246,872.97
OTHER COSTS, TRAFFIC SURVEILLANC	E		Total for Group 0048: \$246,	872 97
0 0040 0				012101
Group 0049: Signs 0179 J-MC-TRAF	1.00	19	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CONT 0501 J-MC-TRAF		MILE	\$250,000.00000	\$170,000.00
Signs	0.00			
			Total for Group 0049: \$170,	000.00
Group 0050: Pavement Marking				
0200 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC CONT	1.00 ROL	LS	\$0.00000	\$0.00
0502 644E00100 EDGE LINE	2.92	MILE	\$3,000.00000	\$8,760.00
0503 644E00200 LANE LINE	7.19	MILE	\$2,000.00000	\$14,380.00
			Total for Group 0050: \$23,	140.00

Group 0051: Other Traffic Control Costs

Estimate: Alt I KY cont 6 <u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	PB A <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL	1.00	LS	\$0.00000	\$0.00
Group 0052: Signals - Intersection	ns		Total for Group 0051:	\$0.00
0212 K-MC-SGNL	0.00	LS	\$175.00000	\$0.00
MAJOR COST DRIVERS, SIGNALS			Total for Group 0052:	\$0.00
Group 0053: Other Traffic Signal				4 • • • •
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
Group 0054: Landscaping			Total for Group 0053:	\$0.00
0214 L-MC-LSCP	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, LANDSCAPI 0215 L-OC-LSCP OTHER COSTS, LANDSCAPING	NG 1.00	LS	\$0.00000	\$0.00
OTHER COUTS, EANDOCALING			Total for Group 0054:	\$0.00
Group 0055: Retaining Walls \$12	25 + \$10/	ft for ca	ons barriers and testing	
0216 M-MC-WALL	1.00 1 0 10,		\$0.00000	\$0.00
MAJOR COST DRIVERS, RETAINING V 0504 M-MC-WALL Retaining Walls	WALLS 0.00	SF	\$135.00000	\$0.00
			Total for Group 0055:	\$0.00
Group 0056: Other Retaining Wa	all Costs	LS	\$0.0000	\$0.00
OTHER COSTS, RETAINING WALLS				
			Total for Group 0056:	\$0.00
Group 0057: Building Demolition				
0218 N-MC-DEMO MAJOR COST DRIVERS, BUILDING DI	1.00 EMOLITION	LS	\$0.00000	\$0.00
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITIC	1.00 ON	LS	\$0.00000	\$0.00
0532 202E56101 BUILDING DEMOLISHED, AS PER PLA Large Commercial	0.00	EACH	\$30,000.00000	\$0.00
0533 202E56101 BUILDING DEMOLISHED, AS PER PLA Small Commercial	0.00 AN	EACH	\$15,000.00000	\$0.00
0534 202E56101 BUILDING DEMOLISHED, AS PER PLA Large Residential	1.00 AN	EACH	\$12,000.00000	\$12,000.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLA Small Residential	4.00 AN	EACH	\$7,500.00000	\$30,000.00
0536 202E98100 7:34:02AM	0.00	EACH	\$8,500.00000	\$0.00

Estimate: Alt I KY cont 6			PB A	mericas, Inc.
<u>Line #</u> <u>Item Number</u> <u>Q</u> <u>Description</u> <u>Supplemental Description</u>	<u>uantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
REMOVAL MISC.: Radio Tower				
			Total for Group 0057: \$42,	00.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIER 0505 P-MC-NSBR	0.00	LS	\$400.00000	\$0.00
Noise Barrier			Total for Group 0058:	\$0.00
Oracus 0050: Other Naise Demise Or	1 .			• • • •
Group 0059: Other Noise Barrier Co 0221 P-OC-NSBR		10	\$0.00000	00.02
OTHER COSTS, NOISE BARRIER	1.00		·	\$0.00
0368 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIER	0.00	LS	\$0.00000	\$0.00
			Total for Group 0059:	\$0.00
Group 0060: New Structures				
0222 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	1.00	LS	\$0.00000	\$0.00
0506 R-MC-STRC Tier 1 Structures to 25' Height	0.00	SF	\$125.00000	\$0.00
0507 R-MC-STRC	0.00	SF	\$12.00000	\$0.00
Removal of Existing Structures non-complex 0508 R-MC-STRC	0.00		\$17.00000	\$0.00
Standard Removal of Existing Structures abo 0509 R-MC-STRC	ove aver 0.00		\$30.00000	\$0.00
Removal of Existing Structures complex to ve 0513 R-MC-STRC	ery comp 0.00		\$150.00000	\$0.00
Tier 2 Structures 25' to 50' Height				
0516 R-MC-STRC Tier 3 Structures 50' to 75' Height	0.00	SF	\$200.00000	\$0.00
			Total for Group 0060:	\$0.00
Group 0061: Rehabilitated Structure	es			
0223 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	0.00	SF	\$45.00000	\$0.00
			Total for Group 0061:	\$0.00
Group 0062: Other Structure Costs				
Group 0062: Other Structure Costs 0224 R-OC-STRC	0.00	15	\$0.00000	\$0.00
OTHER COSTS, STRUCTURES	0.00	20	<i>40.0000</i>	ψ0.00
Contingency			Total for Group 0062:	\$0.00
Group 0063: Temporary Road and I	Paven	nent Costs	5	
0225 S-MC-MNTC MAJOR COST DRIVERS, MAINTENANCE (1.00	LS	\$0.00000	\$0.00

Estimate: Alt I KY cont 6 <u>Line # Item Number</u> <u>Description</u> <u>Quantity</u>	PB A <u>Unit Price</u>	mericas, Inc. <u>Extension</u>
Supplemental Description		
	Total for Group 0063:	\$0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0064:	\$0.00
		ψ0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0066:	\$0.00
Group 0067: Temporary Signals		
0230 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0067:	\$0.00
		ψ0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS	\$0.00000	\$0.00
OTHER COSTS, MAINTENANCE OF TRAFFIC 0512 S-OC-MNTC 0.68 MILE	\$500,000.00000	\$340,000.00
OTHER COSTS, MAINTENANCE OF TRAFFIC	Total for Group 0070: \$340,	
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt I KY cont 6				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELLANE	0.00 EOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOUS CO	0.00		\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILROADS LIABILITY INSURANCE	0.00		\$10,000.00000 IC LIABILITY AND PROPERTY DAM.	\$0.00
0238 623E10000 CONSTRUCTION LAYOUT STAKES 0.5%	1.00	LS	\$124,670.85000	\$124,670.85
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$498,683.39000	\$498,683.39
0240 619E16020 FIELD OFFICE, TYPE C	32.00	MNTH	\$2,500.00000	\$80,000.00
0242 624E10000 MOBILIZATION	1.00	LS	\$800,000.00000	\$800,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERFORM 0.5%	1.00 /IANCE BON		\$124,670.85000 OR PAYMENT BOND	\$124,670.85
0518	0.00		\$0.00000	\$0.00
0519	0.00		\$0.00000	\$0.00
0520	0.00	_	\$0.00000	\$0.00
0521	0.00		\$0.00000 Total for Group 0072:	\$0.00 \$1 628 025 09
				φ1,020,020.00
Group 0073: Design Contingency	y Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTINGEN	1.00 CY COSTS	LS	\$0.00000	\$0.00
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY COS 25%	1.00	LS	\$6,640,548.64000	\$6,640,548.64
			Total for Group 0073:	\$6,640,548.64
Group 0074: Inflation Contingend	су			
0266 V-OC-CNTG OTHER COSTS, CONTINGENCY COS	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, CONTINGENCT COS	I U		Total for Gro	oup 0074: \$0.00

PID	KY-6	County	Kenton	Route	75	Section	This R/W Acquisition cost estimate
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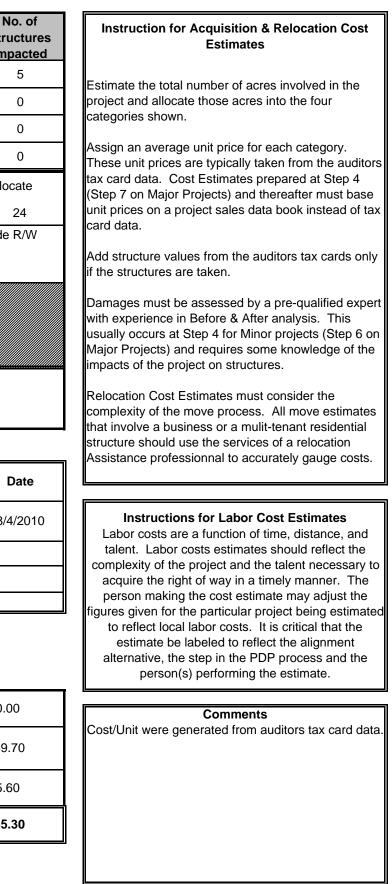
acro View Attributes															
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	=	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No Struc Impa
-Residential	3.37	Х	\$96,480.75	\$325,140	+	2085000	+	N/A	\$2,085,000.00	=	\$2,410,140.13	8	4	4	:
-Commercial	0.41	Х	\$4,950.50	\$2,030	+	0	+	N/A	\$0.00	=	\$2,029.71	1	0	1	
-Industrial	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
-Agricultural	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
Relocation	Unit (Displacement)	x	*RHF	9/*RSP	+	Move Cost	+	Reestabl	ishment	=	Total Non Labor RAP Costs	Estima	te amount of tim all RAP parcel	-	
-Residential Owner Occupant Tenant	5 18	x x		1,000),000	+++	\$6,000 \$1,750				=	\$200,000 \$211,500		e number of yea uisition begins =		ct wide F 3.5
-Commerical/Farm/NPO Owner Tenant	0 0				x x	\$15,000 \$15,000	++	\$10, \$10,		=	\$0 \$0				
-Personal Property	0				Х	\$1,000				=	\$0				
{[(Total Cost of Acquisition Cost)x0.90]x0.025}+{[(Total o Cost)x0.10]x1.50]		• • •	15]x1.20}+{[(Total	of Ac	quisition		Contingency (Incidentals, Admin. Review & Appropriation) 850289.866 *RHP - Replacement Housing Payment *RSP - Rent Supplemental Payment			t				
								Total Non Lab	or R/W Costs		\$3,673,959.70		on-Profit Organiz		

Macro View				_	-
Labor (External)	Unit (Parcels)	х	Unit Price	=	Total Cost
Titles	9	Х	\$400	=	\$3,600
Appraisal -Simple -Detailed	4	x x	\$750 \$4,500	=	\$3,000 \$22,500
Appraisal Review -Simple -Detailed	4	x x	\$500 \$2,000	=	\$2,000 \$10,000
Negotiations	9	Х	\$1,100	=	\$9,900
Relocations -Personal Property -Residential -Commercial/Farm/*NPO	0 23 0	x x x	\$1,500 \$5,200 \$5,600	= = =	\$0 \$119,600 \$0
Closings	23	Х	\$400	=	\$9,200
Project Management	23	Х	\$550	=	\$12,650
Asbestos Testing & Abatement		Х		=	
		\$192,450			
*NPO = Non-Profit Organization					

This R/W Cost Estimate Prepared by						
Chris Clemons						
This R/W Cost Esti	mate was pe	nate was performed at Step				
of the PDP for	MAJOR	Projects using				

Total Labor Costs	\$192,450.0
Total Non Labor R/W Costs	\$3,673,959.
Inflation Adjustments	\$317,045.6
Total R/W Costs	\$4,183,455.

P.D.P. R/W Cost Estimator



Estimate Alt I KY cont 7

Estimated Cost: \$242,532,360.08 Contingency: 57.60% Estimated Total: \$382,230,999.49

Base Date: 01/01/15 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt I KY cont 7				PB Americas, Inc.
Line # Item Number	Quantity	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Group 0001: Pavement Remova	al			
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	130,262.00	SY	\$8.00000	\$1,042,096.00
			Total for Group 0001: \$	1,042,096.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY	113,800.00	CY	\$30.00000	\$3,414,000.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0002: \$	3,414,000.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0344 203E10000	170,700.00	CY	\$8.00000	\$1,365,600.00
EXCAVATION			Total for Group 0003: \$	1,365,600.00
Group 0004: Excavation - Haza	rdous			
0006 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group	0004: \$0.00
Croup 0005: Fill Embonymont	(includes	weating	•	
Group 0005: Fill - Embankment	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0345 203E20000	284,500.00		\$6.00000	\$1,707,000.00
EMBANKMENT	201,000100	01	Total for Group 0005: \$	
				1,707,000.00
Group 0006: Fill - Lime Modified	d Soil 1.00	10	00000 02	00.04
MAJOR COST DRIVERS, ROADWAY			\$0.00000	\$0.00
0346 205E10050 LIME STABILIZED EMBANKMENT			\$7.00000	\$0.00
0347 205E10300 LIME	0.00	TON	\$5.00000	\$0.00
			Total for Group	0006: \$0.00
Group 0007: Fill - Borrow				
0011 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$8.00000	\$0.00
			Total for Group	0007: \$0.00
Group 0008: Concrete Barrier				
0012 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0465 622E10060	8,000.00	FT	\$110.00000	\$880,000.00
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Estimate: Alt I KY cont 7				PB Americas, Inc.
	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE, 1	ΓΥΡΕ Β			• · · · · · · · · · · · ·
			Total for Group 0008:	\$880,000.00
Group 0009: Subgrade Treatment	- Lime			
0014 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
			Total for Group	0009: \$0.00
Group 0010: Subgrade Treatment	- Ceme	ent		
0016 A-MC-RDWY 15	8,488.00		\$2.50000	\$396,220.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0010:	\$396.220.00
				+;
Group 0011: Subgrade Treatment				\$ 2.22
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
			Total for Group	0011: \$0.00
Group 0012: Other Roadway Costs	S			
0019 A-OC-RDWY	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, ROADWAY Contingency	0.00	10	\$050 500 0000	\$ 0.00
0020 201E11000 CLEARING AND GRUBBING	0.00		\$856,500.00000	\$0.00
0021 201E21800 TREE REMOVED, 18" SIZE	0.00		\$250.00000	\$0.00
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0028 202E35200	0.00	FT		\$0.00
PIPE REMOVED, OVER 24" 0029 202E38000	0.00	FT		\$0.00
GUARDRAIL REMOVED 0030 202E42206	0.00	EACH		\$0.00
ANCHOR ASSEMBLY REMOVED 0031 202E58000	0.00	EACH		\$0.00
MANHOLE REMOVED 0032 202E58100	0.00	EACH		\$0.00
CATCH BASIN REMOVED 0033 202E75000	0.00	FT		\$0.00
FENCE REMOVED 0034 204E45000		HOUR	\$126.59000	\$0.00
	0.00	1001	ψ120.00000	ψ0.00

Estimate: Alt I KY cont 7 <u>Line #</u> <u>Item Number</u> <u>Description</u> Supplemental Description	Quantity	<u>Units</u>	Unit Price	PB Americas, Inc. <u>Extension</u>
PROOF ROLLING				
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF	0.00 IOINT TYPE A	FT		\$0.00
0037 606E13000 GUARDRAIL, TYPE 5	1,750.00	FT	\$14.00000	\$24,500.00
0038 606E22000 ANCHOR ASSEMBLY, TYPE B-9		EACH		\$0.00
0039 606E22010 ANCHOR ASSEMBLY, TYPE E-9	0.00	EACH		\$0.00
0040 606E26500 ANCHOR ASSEMBLY, TYPE T	0.00	EACH		\$0.00
0041 606E35000 BRIDGE TERMINAL ASSEMBLY	0.00	EACH		\$0.00
0042 606E35100	0.00	EACH		\$0.00
BRIDGE TERMINAL ASSEMBLY 0043 606E60010	0.00	EACH		\$0.00
IMPACT ATTENUATOR, TYPE 1 0044 607E15000 FENCE, TYPE 47	-98 (BIDIRECTION 0.00			\$0.00
For Fencing 0423 304E20000 AGGREGATE BASE	0.00	CY		\$0.00
For Fencing 0424 601E32100 ROCK CHANNEL PROTECTION	0.00 , TYPE B WITH FIL	-		\$0.00
For Fencing 0425 607E40500 GATE, TYPE 47 For Fencing	0.00	EACH		\$0.00
0426 625E32000 GROUND ROD For Fencing	0.00	EACH		\$0.00
0466	0.00		\$0.00000	\$0.00
			Total for Group 0012:	\$24,500.00
Group 0014: Seeding & Mul	ching / Soddir	ng		
0045 B-MC-ERCO MAJOR COST DRIVERS, EROS	1.00 ION CONTROL	LS	\$0.00000	\$0.00
0467 659E10000 SEEDING AND MULCHING	47,213.00	SY	\$1.00000	\$47,213.00
0531 660E25000 SODDING STAKED	0.00	SY	\$15.00000	\$0.00
			Total for Group 0014:	\$47,213.00
Group 0015: Rock Channel	Protection			
0047 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSI 0469 601E32000	12.00	CY	\$75.00000	\$900.00
ROCK CHANNEL PROTECTION	, ITEE A WITH FIL		Total for Group 00	15: \$900.00
Group 0016: Erosion Contro) - Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
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Estimate: Alt I KY cont 7			PB	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
MAJOR COST DRIVERS, EROSION CO				
0470 832E10000 STORM WATER POLLUTION PREVEN	1.00 ITION PLAN	LS	\$50,000.00000	\$50,000.00
0471 832E20000 EROSION CONTROL	170,000.00	EACH	\$1.00000	\$170,000.00
			Total for Group 0016: \$220	,000.00
Group 0017: Other Erosion Cont	rol Costs			
0049 670E00700	0.00	SY		\$0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, EROSION CONTROL 0051 659E00100	0.00	EACH	\$0.00000	\$0.00
SOIL ANALYSIS TEST 0052 659E00300	0.00	CY		\$0.00
TOPSOIL 0053 659E14000	0.00	SY		\$0.00
REPAIR SEEDING AND MULCHING 0054 659E15000	0.00	SY	\$0.71000	\$0.00
INTER-SEEDING 0055 659E20000	0.00	TON	••••••	\$0.00
COMMERCIAL FERTILIZER 0056 659E31000		ACRE	\$0.00000	\$0.00
LIME				
0057 659E35000 WATER	0.00	MGAL	\$5.00000	\$0.00
0058 659E40000 MOWING	0.00	MSF	\$0.00000	\$0.00
			Total for Group 0017	': \$0.00
Group 0018: Underdrains				
0059 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0062 605E05100	11,925.00	FT	\$8.00000	\$95,400.00
4" SHALLOW PIPE UNDERDRAINS			Total for Group 0018: \$95	5,400.00
Group 0019: Culverts - Type A: <	- 5'			
0474 C-MC-DRNG	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0480 C-MC-DRNG	0.00	FT	\$350.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete P				·
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE		EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total fan Onaum 0040	. <u> </u>
			Total for Group 0019): \$0.00
Group 0021: Culverts, Type A: 5				
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000	\$0.00
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Estimate: Alt I KY cont 7				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
Pipe Structures - Reinforced Concrete 5				
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls	0.00	EACH	\$2,000.00000	\$0.00
			Total for Grou	p 0021: \$0.00
Group 0022: Culverts, Type A: 1	0' - 20'			
0486 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete P	0.00	FT	\$1,400.00000	\$0.00
0488 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Grou	p 0022: \$0.00
Group 0024: BMP's				
0076 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			Total for Grou	p 0024: \$0.00
				, +
Group 0025: Closed Storm Syste	em 1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0489 603E13400	21,838.00		·	\$1,637,850.00
30" CONDUIT, TYPE B (Average size)			\$75.00000	
0523 604E00800 CATCH BASIN, NO. 3A		EACH	\$1,500.00000	\$147,000.00
0524 604E31500 MANHOLE, NO. 3	31.00		\$3,000.00000	\$93,000.00
0525 604E36601 PRECAST REINFORCED CONCRETE	OUTLET, AS		\$1,250.00000	\$1,250.00
0526 Special Pump Station (Storm)	1.00	LS	\$6,400,000.00000	\$6,400,000.00
0527 Special Stormceptors	6.00	EACH	\$5,750.00000	\$34,500.00
0529 Special Retention basin improvements	1.00	LS	\$109,000.00000	\$109,000.00
			Total for Group 0025:	\$8,422,600.00
Group 0026: Other Drainage Cos	sts			
0078 C-OC-DRNG	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, DRAINAGE			Total for Grou	p 0026: \$0.00
Group 0027: Mainling Travelle				
Group 0027: Mainline - Travel La 0095 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0494 D-MC-PVMT		SY	\$68.00000	\$4,172,480.00
13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Co.			ψυυ.υυυυυ	ψτ, Π 2,τ00.00
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Estimate: Alt I KY cont 7				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
			Total for Group 0027:	¢1 172 190 00
			Total for Group 0027:	φ4,172,400.00
Group 0028: Mainline - Outsid	e Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN	1.00 NT	LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement	17,902.00	SY	\$68.00000	\$1,217,336.00
Includes 6" Agg base and Subgrade	Compaction		Total for Group 0028:	\$1.217.336.00
	.		· · · · · · · · · · · · · · · · · · ·	÷ ;_ · ; =
Group 0030: Mainline - Inside			A 2 22222	Aa aa
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN		LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement	12,396.00	SY	\$68.00000	\$842,928.00
Includes 6" Agg base and Subgrade	Compaction		Total for Croup 002	• • • • • • • • • • • • • • • • • • • •
			Total for Group 0030	J. φ042,920.00
Group 0031: Ramps (including	g shoulders))		
0122 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN	1.00 NT	LS	\$0.00000	\$0.00
0497 D-MC-PVMT 13" Reinforced Concrete Pavement	15,551.00	SY	\$68.00000	\$1,057,468.00
Includes 6" Agg base and Subgrade	Compaction		Total for Group 0031:	\$1 057 468 00
				¢1,001,100.00
Group 0032: Non - Mainline La				
0132 D-MC-PVMT MAJOR COST DRIVERS, PAVEMEN	1.00 NT	LS	\$0.00000	\$0.00
0498 D-MC-PVMT Asphalt	51,279.00	SY	\$41.00000	\$2,102,439.00
Includes 3" 448, 9" 301, 6" Agg base	and Subgrade	Compaction	T () (O 0000	A O 400 400 00
			Total for Group 0032:	\$2,102,439.00
Group 0041: Other Pavement	Costs			
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, FAVEMENT			Total for Grou	up 0041: \$0.00
Group 0042: Water Works 0164 E-MC-WATR	0.00	19	\$0.00000	\$0.00
MAJOR COST DRIVERS, WATER L	INE			
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Grou	up 0042: \$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITAR	0.00 Y SEWER	LS	\$0.00000	\$0.00
7:35:13AM				
				D 7 . (40

Estimate: Alt I KY cont 7			Р	B Americas, Inc.
<u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
			Total for Group 004	3: \$0.00
Group 0044: Lighting - Full Inter	change			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	2.00	EACH	\$469,000.00000	\$938,000.00
			Total for Group 0044: \$93	8,000.00
Group 0045: Lighting - Partial In	terchange	;		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
,			Total for Group 004	5: \$0.00
Group 0046: Lighting - Continuc	ous Roadv	vay		
0176 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0500 G-MC-LTNG Lighting - Continuous	6,195.00	FT	\$35.00000	\$216,825.00
			Total for Group 0046: \$21	6,825.00
Group 0047: Other Lighting Cos	ts			
0177 G-OC-LTNG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, LIGHTING			Total for Group 004	7: \$0.00
Group 0048: Traffic Surveillance	2			
0178 H-OC-SURV	1.00	LS	\$1,844,812.92000	\$1,844,812.92
OTHER COSTS, TRAFFIC SURVEILL	ANCE		Total for Group 0048: \$1,84	4,812.92
Croup 0040: Signa			•	
Group 0049: Signs 0179 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CO 0501 J-MC-TRAF		MILE	\$250,000.00000	\$292,500.00
Signs			Total for Group 0049: \$29	
• ····				2,000.00
Group 0050: Pavement Marking			* 0.0000	# 0.00
0200 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC CO			\$0.00000	\$0.00
0502 644E00100 EDGE LINE	18.92	MILE	\$3,000.00000	\$56,760.00
0503 644E00200 LANE LINE	13.77	MILE	\$2,000.00000	\$27,540.00
			Total for Group 0050: \$8	4,300.00

Group 0051: Other Traffic Control Costs

Estimate: Alt I KY cont 7 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	Unit Price	PB Americas, Inc. <u>Extension</u>
0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC CONTROL			Total for Group 00	51: \$0.00
Group 0052: Signals - Intersection 0212 K-MC-SGNL MAJOR COST DRIVERS, SIGNALS	DNS 7.00	LS	\$175,000.00000 Total for Group 0052: \$1,22	\$1,225,000.00 25,000.00
Group 0053: Other Traffic Signa	I Costs			
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
Group 0054: Landscaping			Total for Group 00	53: \$0.00
0214 L-MC-LSCP	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, LANDSCAPI 0215 L-OC-LSCP	NG 1.00	LS	\$0.00000	\$0.00
OTHER COSTS, LANDSCAPING			Total for Group 00	54: \$0.00
Group 0055: Retaining Walls \$1 0216 M-MC-WALL MAJOR COST DRIVERS, RETAINING 0504 M-MC-WALL Retaining Walls	1.00	LS	aps, barriers and testing \$0.00000 \$135.00000 Total for Group 0055: \$16,04	\$0.00 \$16,041,375.00 41,375.00
Group 0056: Other Retaining Wa 0217 M-OC-WALL OTHER COSTS, RETAINING WALLS	all Costs 1.00	LS	\$0.00000 Total for Group 00	\$0.00 56: \$0.00
Group 0057: Building Demolition			# 0.0000	\$ 2.22
0218 N-MC-DEMO MAJOR COST DRIVERS, BUILDING D		LS	\$0.00000	\$0.00
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITI		LS	\$0.00000	\$0.00
0532 202E98100 REMOVAL MISC.: Radio Tower	1.00	EACH	\$8,500.00000	\$8,500.00
0533 202E56101 BUILDING DEMOLISHED, AS PER PL/ Large Commercial	0.00 AN	EACH	\$30,000.00000	\$0.00
0534 202E56101 BUILDING DEMOLISHED, AS PER PL/ Small Commercial	7.00 AN	EACH	\$15,000.00000	\$105,000.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PL/ Large Residential		EACH	\$12,000.00000	\$0.00
0536 202E56101 7:35:13AM Thursday, December 02, 2010	33.00	EACH	\$7,500.00000	\$247,500.00

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Estimate: Alt I KY cont 7				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
BUILDING DEMOLISHED, AS PER P Small Residential	LAN			
			Total for Group 0057:	\$361,000.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BA	47,772.00	SF	\$25.00000	\$1,194,300.00
Noise Barrier			Total for Group 0058: \$	\$1,194,300,00
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Group 0059: Other Noise Barri				
0221 P-OC-NSBR OTHER COSTS, NOISE BARRIER	1.00	LS	\$0.00000	\$0.00
0368 P-MC-NSBR MAJOR COST DRIVERS, NOISE BA	0.00 RRIER	LS	\$0.00000	\$0.00
· · · · ·			Total for Group	0059: \$0.00
Group 0060: New Structures				
0222 R-MC-STRC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, STRUCTU 0506 R-MC-STRC	315,174.00	SF	\$125.00000	\$39,396,750.00
Tier 1 Structures to 25' Height 0507 R-MC-STRC	4,744.00	SF	\$12.00000	\$56,928.00
Removal of Existing Structures non-co 0508 R-MC-STRC	175,222.00		\$17.00000	\$2,978,774.00
Standard Removal of Existing Structu 0509 R-MC-STRC	113,347.00	SF	\$30.00000	\$3,400,410.00
Removal of Existing Structures compl 0513 R-MC-STRC	ex to very comp 372,133.00		\$150.00000	\$55,819,950.00
Tier 2 Structures 25' to 50' Height 0516 R-MC-STRC	174,410.00	SF	\$200.00000	\$34,882,000.00
Tier 3 Structures 50' to 75' Height			Total for Group 0060: \$13	6.534.812.00
				-,,-
Group 0061: Rehabilitated Stru 0223 R-MC-STRC	Ictures	SE	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTU		0		
			Total for Group	0061: \$0.00
Group 0062: Other Structure C	osts			
0224 R-OC-STRC OTHER COSTS, STRUCTURES	0.00	LS	\$0.00000	\$0.00
Contingency			Total for Crown	
			Total for Group	, υυσζ. φυ.υυ
Group 0063: Temporary Road	and Pavem	nent Cos	sts	
0225 S-MC-MNTC MAJOR COST DRIVERS, MAINTENA	1.00 NCE OF TRAF		\$0.00000	\$0.00

Estimate: Alt I KY cont 7 Line # Item Number Quantity Units	PB / <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
Description Supplemental Description		
	Total for Group 0063:	\$0.00
		φοισσ
Group 0064: Portable Concrete Barrier (PCB) 0226 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0064:	
		ψ0.00
Group 0065: Impact Attenuators	A a a a a a a a a a a	* •••••
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0066:	\$0.00
Group 0067: Temporary Signals		
0230 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0069:	\$0.00
Oneuro 0070: Other MOT Create		•
Group 0070: Other MOT Costs 0233 S-OC-MNTC 1.00 LS	\$0.00000	\$0.00
OTHER COSTS, MAINTENANCE OF TRAFFIC 0512 S-OC-MNTC 1.17 MILE	\$500,000.00000	\$585,000.00
OTHER COSTS, MAINTENANCE OF TRAFFIC		
	Total for Group 0070: \$585,	000.00
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt I KY cont 7				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
0235 U-MC-MISC MAJOR COST DRIVERS, MISCEL	0.00 LANEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOU	0.00		\$0.00000	\$0.00
0237 100E00300	0.00		\$10,000.00000 LIC LIABILITY AND PROPERTY DA	\$0.00 MAGE
0238 623E10000 CONSTRUCTION LAYOUT STAKE 0.5%	1.00 ES	LS	\$931,630.52000	\$931,630.52
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$3,726,522.10000	\$3,726,522.10
0240 619E16020 FIELD OFFICE, TYPE C	44.00	MNTH	\$2,500.00000	\$110,000.00
0242 624E10000 MOBILIZATION	1.00	LS	\$2,000,000.00000	\$2,000,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERI 0.5%	1.00 FORMANCE BON		\$931,630.52000 FOR PAYMENT BOND	\$931,630.52
0518	0.00		\$0.00000	\$0.00
0519 0520	0.00 0.00		\$0.00000 \$0.00000	\$0.00 \$0.00
0521	0.00		\$0.00000	\$0.00
0021	0.00		Total for Group 007	
Group 0073: Design Conting	ency Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTIN		LS	\$0.00000	\$0.00
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY 25%	1.00	LS	\$48,506,472.02000	\$48,506,472.02
			Total for Group 0073	: \$48,506,472.02
Group 0074: Inflation Conting	gency			
0266 V-OC-CNTG OTHER COSTS, CONTINGENCY	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, CONTINGENCE	00010		Total for G	roup 0074: \$0.00

PID	KY-7	_ County _	Kenton	Route	75	Section	This R/W Acquisition cost estimate i
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Macro View												A	tributes			
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	II	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cos Estimates
Residential	5.94	X	\$59,492.13	\$353,383	+	1102500	+	N/A	\$1,102,500.00	Ш	\$1,455,883.25	44	36	8	30	Estimate the total number of acres involved in the
-Commercial	5.19	Х	\$643,180.38	\$3,338,106	+	654000	+	N/A	\$654,000.00	=	\$3,992,106.17	24	8	16	5	project and allocate those acres into the four
-Industrial	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	0	categories shown.
-Other	0.34	X	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	1	1	0	1	Assign an average unit price for each category.
Relocation	Unit (Displacement)) x	*RHP		+	Move Cost	+	Reestabli		=	Total Non Labor RAP Costs	Estima	ite amount of time all RAP parcels	-		These unit prices are typically taken from the audit tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must bas unit prices on a project sales data book instead of
-Residential Owner Occupant Tenant	24 30	x x		,000 ,000	+ +	\$6,000 \$1,750				= =	\$960,000 \$352,500		e number of year uisition begins =		ct wide R/W 3.5	 Card data. Add structure values from the auditors tax cards o if the structures are taken.
-Commerical/Farm/NPO Owner Tenant	2 4				x x	\$15,000 \$15,000	++	\$10,0 \$10,0		= =	\$50,000 \$100,000					Damages must be assessed by a pre-qualified exp with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6
-Personal Property	0				Х	\$1,000				=	\$0					Major Projects) and requires some knowledge of to impacts of the project on structures.
{[(Total Cost of Acquisition Cost)x	0.90]x0.025}+{[(Total Cost)x0.10]x1.50			5]x1.20}+{[(Total	of Ac	quisition	(Contingency (Incidentals, Admin. Review & Appropriation) 1920416.272 *RHP - Replacement Housing Payment Total Non Labor R/W Costs \$8,830,905,70 *NPO - Non-Profit Organization				Relocation Cost Estimates must consider the				
	003()x0.10]x1.30							Total Non Lab	or R/W Costs		\$8,830,905.70	^NPO - No	on-Profit Organiza	ation		complexity of the move process. All move estimat
			Unit	Price	_	Total Cost	1	Total Non Lab	or R/W Costs						1	 complexity of the move process. All move estimate that involve a business or a mulit-tenant residentia structure should use the services of a relocation Assistance professionnal to accurately gauge cost
Labor (External)	Unit (Parcels)	XXX		Price	=	Total Cost \$27.600]	Total Non Lab	or R/W Costs				nate Prepared b		Date	that involve a business or a mulit-tenant residentia structure should use the services of a relocation
Labor (External) Titles		X X X X	\$4 \$7		=	Total Cost \$27,600 \$3,750 \$288,000		Total Non Lab	or R/W Costs			V Cost Estin Joseph Kr	nate Prepared b		Date 2/23/2011 6	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge cost Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the
Labor (External) Titles Appraisal -Simple -Detailed	Unit (Parcels) 69 5 64 5	X X X X X X	\$4 \$7 \$4, \$5	00 50 500 00	= = =	\$27,600 \$3,750 \$288,000 \$2,500		Total Non Lab	or R/W Costs		This R/M	V Cost Estin Joseph Kr	nate Prepared b		2/23/2011	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge cost Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. Th person making the cost estimate may adjust the figures given for the particular project being estimate
-Detailed Appraisal Review -Simple -Detailed	Unit (Parcels) 69 5 64	X X X X X X X X X X X	\$4 \$7 \$4, \$5 \$2,	00 50 500	= = =	\$27,600 \$3,750 \$288,000 \$2,500 \$128,000		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir	V Cost Estin Joseph Ki mate was pe	nate Prepared b uehnle rformed at Step		2/23/2011	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge cost Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. Th person making the cost estimate may adjust the figures given for the particular project being estimate to reflect local labor costs. It is critical that the
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple	Unit (Parcels) 69 5 64 5 64	X X X X X X X X X X X X X X X X X X X	\$4 \$7 \$4, \$5 \$2, \$1, \$1, \$5,	00 50 500 00 000 100 500 200		\$27,600 \$3,750 \$288,000 \$2,500 \$128,000 \$75,900 \$0 \$280,800		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir	V Cost Estin Joseph Ki mate was pe MAJOR	nate Prepared b uehnle rformed at Step	y	2/23/2011	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge cost Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. Th person making the cost estimate may adjust the figures given for the particular project being estimate
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential -Commercial/Farm/*NPO	Unit (Parcels) 69 5 64 5 64 69 0	X X X X X X X X X X X X X X X X X X X	\$4 \$7 \$4, \$5 \$2, \$1, \$1, \$5, \$5,	00 50 500 00 000 100 500		\$27,600 \$3,750 \$288,000 \$2,500 \$128,000 \$75,900 \$0		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir of the PDP for	V Cost Estin Joseph Ki mate was pe MAJOR	nate Prepared b uehnle rformed at Step Projects using	y	2/23/2011 6 04,500.00	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge cost Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimate to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential -Commercial/Farm/*NPO Closings	Unit (Parcels) 69 5 64 5 64 64 69 0 54 4	X X X X X X X X X X X X X X X X X X X	\$4 \$7 \$4, \$5 <u>\$2,</u> \$1, \$1, \$5, \$5, \$5, \$5,	00 50 500 00 000 100 500 200 600		\$27,600 \$3,750 \$288,000 \$2,500 \$128,000 \$75,900 \$0 \$280,800 \$22,400		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir of the PDP for	V Cost Estin Joseph Ki mate was pe MAJOR	nate Prepared b uehnle rformed at Step Projects using	y	6	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge cost Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimate to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential -Commercial/Farm/*NPO Closings Project Management	Unit (Parcels) 69 5 64 5 64 69 0 54 4 69	X X X X X X X X X X X X X X X X X X X	\$4 \$7 \$4, \$5 <u>\$2,</u> \$1, \$1, \$5, \$5, \$5, \$5,	00 50 500 00 000 100 500 200 600 00		\$27,600 \$3,750 \$288,000 \$2,500 \$128,000 \$75,900 \$0 \$280,800 \$22,400 \$27,600		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir of the PDP for	V Cost Estin Joseph Ki mate was pe MAJOR To To	nate Prepared b uehnle rformed at Step Projects using tal Labor Costs	y \$89 \$8,8	2/23/2011 6 04,500.00	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge cost Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimate to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
Labor (External) Titles Appraisal -Simple -Detailed Appraisal Review -Simple -Detailed Negotiations Relocations -Personal Property -Residential	Unit (Parcels) 69 5 64 5 64 69 0 54 4 69	X X X X X X X X X X X X X X X X X X X	\$4 \$7 \$4, \$5 <u>\$2,</u> \$1, \$1, \$5, \$5, \$5, \$5,	00 50 500 00 000 100 500 200 600 00 50		\$27,600 \$3,750 \$288,000 \$2,500 \$128,000 \$75,900 \$0 \$280,800 \$22,400 \$27,600		Total Non Lab	or R/W Costs		This R/W This R/W Cost Estir of the PDP for	V Cost Estin Joseph Ki mate was pe MAJOR To Total Non La Inflatio	nate Prepared b uehnle rformed at Step Projects using	y \$89 \$8,8 \$79	2/23/2011 6 14,500.00 30,905.70	that involve a business or a mulit-tenant residential structure should use the services of a relocation Assistance professionnal to accurately gauge cost Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and talent. Labor costs estimates should reflect the complexity of the project and the talent necessary acquire the right of way in a timely manner. The person making the cost estimate may adjust the figures given for the particular project being estimate to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.

Macro View					
Labor (External)	Unit (Parcels)	X	Unit Price	=	Total Cost
Titles	69	Х	\$400	=	\$27,600
Appraisal -Simple -Detailed	5 64	x x	\$750 \$4,500	=	\$3,750 \$288,000
Appraisal Review -Simple -Detailed	5 64	x x	\$500 \$2,000	=	\$2,500 \$128,000
Negotiations	69	Х	\$1,100	=	\$75,900
Relocations -Personal Property -Residential -Commercial/Farm/*NPO	0 54 4	x x x	\$1,500 \$5,200 \$5,600	= = =	\$0 \$280,800 \$22,400
Closings	69	Х	\$400	=	\$27,600
Project Management	69	Х	\$550	=	\$37,950
Asbestos Testing & Abatement		Х		=	
		Tota	al Labor Costs		\$894,500
*NPO = Non-Profit Organization	-				-

	Att	ributes			
Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates
\$1,455,883.25	44	36	8	30	Estimate the total number of acres involved in the
\$3,992,106.17	24	8	16	5	project and allocate those acres into the four
\$0.00	0	0	0	0	categories shown.
\$0.00	1	1	0	1	Assign an average unit price for each category. These unit prices are typically taken from the auditors
Total Non Labor	Estimat	te amount of tim	e necessary	to relocate	tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base
RAP Costs		all RAP parcel	s = (months)	24	unit prices on a project sales data book instead of tax
	Estimate	e number of yea	rs until projec	ct wide R/W	card data.
\$960,000 \$352,500	acqu	uisition begins =		3.5	Add structure values from the auditors tax cards only if the structures are taken.
\$50,000 \$100,000					Damages must be assessed by a pre-qualified expert with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6 on Major Projects) and requires some knowledge of the
\$0					impacts of the project on structures.
1920416.272		placement Hous nt Supplemental			Relocation Cost Estimates must consider the
\$8,830,905.70		n-Profit Organiza	•		complexity of the move process. All move estimates that involve a business or a mulit-tenant residential
					structure should use the services of a relocation Assistance professionnal to accurately gauge costs.
This R/M	/ Cost Estim	ate Prepared b	у	Date	
	Joseph Ku	ehnle		2/23/2011	Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and
This R/W Cost Estir	nate was per	formed at Step		6	talent. Labor costs estimates should reflect the complexity of the project and the talent necessary to
of the PDP for	MAJOR	Projects using			acquire the right of way in a timely manner. The person making the cost estimate may adjust the
					figures given for the particular project being estimated to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
	Tot	al Labor Costs	\$894	4,500.00	Comments
r	rotal Non La	bor R/W Costs	\$8,83	30,905.70	Cost/Unit were generated from auditors tax card data. Changed "Agriculture" category to "Other" to include Goebel Park and other properties that do not fit the
	Inflatio	n Adjustments	\$797	7,483.27	main categories.
	т	otal R/W Costs	\$10,5	22,888.97	

	Att	ributes			
Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No. of Structures Impacted	Instruction for Acquisition & Relocation Cost Estimates
\$1,455,883.25	44	36	8	30	Estimate the total number of acres involved in the
\$3,992,106.17	24	8	16	5	project and allocate those acres into the four
\$0.00	0	0	0	0	categories shown.
\$0.00	1	1	0	1	Assign an average unit price for each category. These unit prices are typically taken from the auditors
Total Non Labor RAP Costs	Estimat	all RAP parcels	-	to relocate 24	tax card data. Cost Estimates prepared at Step 4 (Step 7 on Major Projects) and thereafter must base unit prices on a project sales data book instead of tax card data.
\$960,000 \$352,500		e number of year uisition begins =		t wide R/W 3.5	Add structure values from the auditors tax cards only if the structures are taken.
\$50,000 \$100,000 \$0					Damages must be assessed by a pre-qualified expert with experience in Before & After analysis. This usually occurs at Step 4 for Minor projects (Step 6 on Major Projects) and requires some knowledge of the impacts of the project on structures.
1920416.272		placement Hous	• •		Relocation Cost Estimates must consider the
\$8,830,905.70		nt Supplemental n-Profit Organiza			complexity of the move process. All move estimates that involve a business or a mulit-tenant residential
					structure should use the services of a relocation
This R/W	/ Cost Estim	ate Prepared b	y	Date	Assistance professionnal to accurately gauge costs.
	Joseph Ku	ehnle		2/23/2011	Instructions for Labor Cost Estimates Labor costs are a function of time, distance, and
This R/W Cost Estir	nate was per	formed at Step		6	talent. Labor costs estimates should reflect the
of the PDP for	MAJOR	Projects using			complexity of the project and the talent necessary to acquire the right of way in a timely manner. The person making the cost estimate may adjust the
					figures given for the particular project being estimated to reflect local labor costs. It is critical that the estimate be labeled to reflect the alignment alternative, the step in the PDP process and the person(s) performing the estimate.
	Tot	al Labor Costs	\$894	4,500.00	Comments
r	「otal Non La	bor R/W Costs	\$8,83	0,905.70	Cost/Unit were generated from auditors tax card data. Changed "Agriculture" category to "Other" to include Goebel Park and other properties that do not fit the
	Inflatio	n Adjustments	\$797	7,483.27	main categories.
	Т	otal R/W Costs	\$10,52	22,888.97	

Estimate Alt I KY cont 8

Estimated Cost: \$40,553,981.01 Contingency: 65.50% Estimated Total: \$67,116,838.57

Base Date: 01/01/15 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt I KY cont 8			PB A	Americas, Inc.
	Quantity	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Group 0001: Pavement Removal				
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	0.00	SY	\$8.00000	\$0.00
FAVEMENT REMOVED			Total for Group 0001:	\$0.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$30.00000	\$0.00
			Total for Group 0002:	\$0.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0344 203E10000 EXCAVATION	0.00	CY	\$8.00000	\$0.00
			Total for Group 0003:	\$0.00
Group 0004: Excavation - Hazardo	ous			
0006 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0004:	\$0.00
Group 0005: Fill - Embankment (in	cludes	wasting excess e	xcavation)	
0007 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0345 203E20000	0.00	CY	\$6.00000	\$0.00
EMBANKMENT			Total for Group 0005:	\$0.00
			· • • • • • • • • • • • • • • • • • • •	~
Group 0006: Fill - Lime Modified So 0010 A-MC-RDWY	OII 1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0346 205E10050	0.00		\$7.00000	\$0.00
LIME STABILIZED EMBANKMENT 0347 205E10300		TON	\$5.00000	\$0.00
LIME	0.00			
			Total for Group 0006:	Ф 0.00
Group 0007: Fill - Borrow			• • • • • • • • • • • • • • • • • • • •	• • • • •
0011 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$8.00000	\$0.00
			Total for Group 0007:	\$0.00
Group 0008: Concrete Barrier				
0012 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0465 622E10060	0.00	FT	\$110.00000	\$0.00
7:36:37AM Thursday, December 02, 2010				Page 2 of 11

Estimate: Alt I KY cont 8				Americas, Inc.			
<u>Line #</u> <u>Item Number</u> <u>Q</u> <u>Description</u> <u>Supplemental Description</u>	<u>uantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>			
CONCRETE BARRIER, SINGLE SLOPE, T	/PE B			• • • •			
			Total for Group 0008:	\$0.00			
Group 0009: Subgrade Treatment -	Lime						
0014 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00			
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00			
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00			
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00			
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00			
			Total for Group 0009:	\$0.00			
Group 0010: Subgrade Treatment -	Ceme	ent					
0016 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00		\$2.50000	\$0.00			
MAJOR COST DRIVERS, ROADWAT			Total for Group 0010:	\$0.00			
Group 0011: Subgrade Treatment -	Unde	rcut & Bar	ckfill				
0017 A-MC-RDWY	1.00		\$0.00000	\$0.00			
MAJOR COST DRIVERS, ROADWAY			Total for Group 0011:	\$0.00			
				•			
Group 0012: Other Roadway Costs 0019 A-OC-RDWY	0.00	15	\$0.00000	\$0.00			
OTHER COSTS, ROADWAY Contingency	0.00	20	ψ0.00000	φ0.00			
0020 201E11000 CLEARING AND GRUBBING	0.00	LS	\$856,500.00000	\$0.00			
0021 201E21800 TREE REMOVED, 18" SIZE	0.00	EACH	\$250.00000	\$0.00			
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00			
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00			
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00			
0034 204E45000 PROOF ROLLING	0.00	HOUR	\$126.59000	\$0.00			
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00			
0037 606E13000 GUARDRAIL, TYPE 5	0.00	FT	\$14.00000	\$0.00			
0466	0.00		\$0.00000 Total far Oraun 0040	\$0.00			
Total for Group 0012: \$0.00							
Group 0014: Seeding & Mulching / Sodding							
0045 B-MC-ERCO MAJOR COST DRIVERS, EROSION CONT	1.00 ROL	LS	\$0.00000	\$0.00			
7:36:37AM Thursday, December 02, 2010				Page 3 of 11			

Estimate: Alt I KY cont 8			PB A	mericas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
0467 659E10000 SEEDING AND MULCHING	0.00	SY	\$1.00000	\$0.00
0531 660E25000 SODDING STAKED	0.00	SY	\$15.00000	\$0.00
SODDING STAKED			Total for Group 0014:	\$0.00
Group 0015: Rock Channel Prote	ection			
0047 B-MC-ERCO MAJOR COST DRIVERS, EROSION CO		LS	\$0.00000	\$0.00
0469 601E32000	0.00	- ·	\$75.00000	\$0.00
ROCK CHANNEL PROTECTION, TYPE	A WITH FIL	IER	Total for Group 0015:	\$0.00
Group 0016: Erosion Control - Ite	em 832			
0048 B-MC-ERCO MAJOR COST DRIVERS, EROSION CO	1.00	LS	\$0.00000	\$0.00
0470 832E10000 STORM WATER POLLUTION PREVEN	1.00	LS	\$20,000.00000	\$20,000.00
0471 832E20000 EROSION CONTROL	2,000.00	EACH	\$1.00000	\$2,000.00
			Total for Group 0016: \$22,	00.00
Group 0018: Underdrains				
0059 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0062 605E05100 4" SHALLOW PIPE UNDERDRAINS	0.00	FT	\$8.00000	\$0.00
4 SHALLOW FIPE UNDERDRAINS			Total for Group 0018:	\$0.00
Group 0010: Culverte Type A:	- 5 '			
Group 0019: Culverts - Type A: < 0474 C-MC-DRNG	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0480 C-MC-DRNG	0.00		\$350.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			φ330.00000	φ0.00
Pipe Structures - Reinforced Concrete P 0481 C-MC-DRNG		EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Concrete Masonry				
			Total for Group 0019:	\$0.00
Group 0021: Culverts, Type A: 5'	- 10'			
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000	\$0.00
Pipe Structures - Reinforced Concrete 5 0477 C-MC-DRNG		78" EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls	0.00			\$3.00
			Total for Group 0021:	\$0.00

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Estimate: Alt I KY cont 8				PB A	mericas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price		Extension
Supplemental Description					
Group 0022: Culverts, Type A: 10'	- 20'				
0486 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000		\$0.00
0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete Pipe	0.00	FT	\$1,400.00000		\$0.00
0488 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete Masonry	0.00	EACH	\$1,500.00000		\$0.00
Concrete Masonry			Total for	Group 0022:	\$0.00
Group 0024: BMP's					
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000		\$0.00
			Total for	Group 0024:	\$0.00
Group 0025: Closed Storm System	ו				
0077 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000		\$0.00
0489 603E13400 30" CONDUIT, TYPE B (Average size)	0.00	FT	\$75.00000		\$0.00
0523 604E00800 CATCH BASIN, NO. 3A	0.00	EACH	\$1,500.00000		\$0.00
0524 604E31500 MANHOLE, NO. 3	0.00	EACH	\$3,000.00000		\$0.00
0525 604E36601 PRECAST REINFORCED CONCRETE OL	0.00 ITLET AS	EACH PER PLAN	\$0.00000		\$0.00
0526 Special Pump Station (Storm)	0.00		\$6,400,000.00000		\$0.00
0527 Special Stormceptors	0.00	EACH	\$5,750.00000		\$0.00
0529 Special Retention basin improvements	0.00	LS	\$10,900.00000		\$0.00
			Total for	Group 0025:	\$0.00
Group 0026: Other Drainage Costs	6				
0078 C-OC-DRNG	1.00	LS	\$0.00000		\$0.00
OTHER COSTS, DRAINAGE			Total for	Group 0026:	\$0.00
Group 0027: Mainline - Travel Lan	es				
0095 D-MC-PVMT	1.00	LS	\$0.00000		\$0.00
MAJOR COST DRIVERS, PAVEMENT 0494 D-MC-PVMT	0.00	SY	\$68.00000		\$0.00
13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Comp	action				
			Total for	Group 0027:	\$0.00
Group 0028: Mainline - Outside Sh	oulder				
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000		\$0.00
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Estimate: Alt I KY cont 8			PB A	mericas, Inc.
Line # Item Number Que Description Supplemental Description	<u>uantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0495 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Compac	0.00	SY	\$59.00000	\$0.00
			Total for Group 0028:	\$0.00
Group 0030: Mainline - Inside Shoul 0115 D-MC-PVMT		LS	\$0.00000	00.02
MAJOR COST DRIVERS, PAVEMENT	1.00			\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Compac	0.00 tion	SY	\$59.00000	\$0.00
			Total for Group 0030:	\$0.00
Group 0031: Ramps (including shou			* 2 22222	\$ 2,22
0122 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0497 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Compac	0.00 tion	SY	\$68.00000	\$0.00
			Total for Group 0031:	\$0.00
Group 0032: Non - Mainline Lanes				
0132 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0498 D-MC-PVMT Asphalt Includes 3" 448, 9" 301, 6" Agg base and Su	0.00 barade (\$40.00000	\$0.00
	0	,	Total for Group 0032:	\$0.00
Group 0041: Other Pavement Costs				
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
			Total for Group 0041:	\$0.00
Group 0042: Water Works				A
0164 E-MC-WATR MAJOR COST DRIVERS, WATER LINE	0.00	LS	\$0.00000	\$0.00
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
, ,			Total for Group 0042:	\$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY SEWE	0.00 R	LS	\$0.00000	\$0.00
			Total for Group 0043:	\$0.00
Group 0044: Lighting - Full Intercha	nge			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG	0.00	EACH	\$469,000.00000	\$0.00
7:36:37AM Thursday, December 02, 2010			F	Page 6 of 11

Estimate: Alt I KY cont 8			PB	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
MAJOR COST DRIVERS, LIGHTING				
			Total for Group 0044	: \$0.00
Group 0045: Lighting - Partial Ir	torchange	`		
0288 G-MC-LTNG	0.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING				
			Total for Group 0045	: \$0.00
Group 0046: Lighting - Continue	ous Roadv	vay		
0176 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0500 G-MC-LTNG	3,492.00	FT	\$35.00000	\$122,220.00
Lighting - Continuous			Total for Group 0046: \$122	,220.00
			· · ·	,
Group 0047: Other Lighting Cos 0177 G-OC-LTNG	StS 0.00	10	\$0.00000	00.02
OTHER COSTS, LIGHTING	0.00	L3		\$0.00
			Total for Group 0047	: \$0.00
Group 0048: Traffic Surveillance	Э			
0178 H-OC-SURV	1.00	LS	\$309,731.25000	\$309,731.25
OTHER COSTS, TRAFFIC SURVEILL	ANCE		Total for Group 0048: \$309	.731.25
0 0040 0			· · ·	,
Group 0049: Signs 0179 J-MC-TRAF	1.00	18	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC C	ONTROL			
0501 J-MC-TRAF Signs	0.66	MILE	\$250,000.00000	\$165,000.00
			Total for Group 0049: \$165	,000.00
Group 0050: Pavement Marking	a a a a a a a a a a a a a a a a a a a			
0200 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC C 0502 644E00100	ONTROL 1.32	MILE	\$3,000.00000	\$3,960.00
EDGE LINE 0503 644E00200	0.99	MILE	\$2,000.00000	\$1,980.00
LANE LINE				
			Total for Group 0050: \$5	,940.00
Group 0051: Other Traffic Contr	rol Costs			
0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL	1.00	LS	\$0.00000	\$0.00
			Total for Group 0051	: \$0.00
Group 0052: Signals Intercepti	ione			
Group 0052: Signals - Intersecti 0212 K-MC-SGNL	1.00	LS	\$0.00000	\$0.00
7:36:37AM	-			·

Estimate: Alt I KY cont 8			PB A	mericas, Inc.
	uantity	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
MAJOR COST DRIVERS, SIGNALS				
			Total for Group 0052:	\$0.00
Group 0053: Other Traffic Signal Co	osts			
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
			Total for Group 0053:	\$0.00
Group 0054: Landscaping				
0214 L-MC-LSCP	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, LANDSCAPING 0215 L-OC-LSCP	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, LANDSCAPING			Total for Group 0054:	\$0.00
Oraun 0055: Dataining Malla (195	. @40/	(1 for oo)		
Group 0055: Retaining Walls \$125 - 0216 M-MC-WALL	+		s, barriers and testing	\$0.00
MAJOR COST DRIVERS, RETAINING WAL			\$135.00000	\$0.00
Retaining Walls	0.00	JF		
			Total for Group 0055:	\$0.00
Group 0056: Other Retaining Wall 0	Costs			
0217 M-OC-WALL OTHER COSTS, RETAINING WALLS	1.00	LS	\$0.00000	\$0.00
			Total for Group 0056:	\$0.00
Group 0057: Building Demolition				
0218 N-MC-DEMO	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, BUILDING DEMC 0219 N-OC-DEMO	LITION 1.00	LS	\$0.00000	\$0.00
OTHER COSTS, BUILDING DEMOLITION		EACH	·	
0538 202E56101 BUILDING DEMOLISHED, AS PER PLAN	0.00	EACH	\$30,000.00000	\$0.00
Large Commercial 0539 202E56101	0.00	EACH	\$15,000.00000	\$0.00
BUILDING DEMOLISHED, AS PER PLAN Small Commercial				
0540 202E56101 BUILDING DEMOLISHED, AS PER PLAN	0.00	EACH	\$12,000.00000	\$0.00
Large Residential 0541 202E56101	0.00	EACH	\$7,500.00000	\$0.00
BUILDING DEMOLISHED, AS PER PLAN Small Residential				
0542 202E98100 REMOVAL MISC.:	0.00	EACH	\$8,500.00000	\$0.00
Radio Tower			Total for Group 0057:	\$0.00
Oreun 0050: Naiss Domism			,	-
Group 0058: Noise Barrier	1.00	15	\$0.00000	\$0.00
7:36:37AM	1.00	L0	ψυ.υυυυυ	φ0.00
Thursday December 02 2010			ŗ	Page 8 of 11

Estimate: Alt I KY cont 8				PB Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
Supplemental Description				
MAJOR COST DRIVERS, NOISE BARRIE				
0505 P-MC-NSBR Noise Barrier	0.00	LS	\$400.00000	\$0.00
			Total fo	or Group 0058: \$0.00
Group 0059: Other Noise Barrier C	Costs			
0221 P-OC-NSBR OTHER COSTS, NOISE BARRIER	1.00	LS	\$0.00000	\$0.00
0368 P-MC-NSBR	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIE	Γ		Total fo	or Group 0059: \$0.00
Group 0060: New Structures				
0222 R-MC-STRC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES 0506 R-MC-STRC	0.00	SF	\$125.00000	\$0.00
Tier 1 Structures to 25' Height 0507 R-MC-STRC	0.00	SF	\$12.00000	\$0.00
Removal of Existing Structures non-comple 0508 R-MC-STRC			\$17.00000	\$0.00
Standard Removal of Existing Structures a		age com	plex	
Removal of Existing Structures complex to	very comp	olex	\$30.00000	\$0.00
0513 R-MC-STRC Tier 2 Structures 25' to 50' Height	0.00		\$150.00000	\$0.00
0516 R-MC-STRC Tier 3 Structures 50' to 75' Height	0.00	SF	\$200.00000	\$0.00
			Total fo	or Group 0060: \$0.00
Group 0061: Rehabilitated Structu	res			
0223 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	1.00	LS	\$0.00000	\$0.00
0533 511E34434 17	0,177.00	SF	\$35.00000	\$5,956,195.00
CLASS S CONCRETE, BRIDGE DECK new bridge deck on existing beams	4.00	10	\$20,000,000,0000	\$20,000,000,000
0535 514E99000 SPECIAL - BRIDGE PAINTING	1.00		\$22,000,000.00000	\$22,000,000.00
0536 Structural repair/rehabilitation	1.00	LS	\$1,000,000.00000	\$1,000,000.00
0537 202E11301 17 PORTIONS OF STRUCTURE REMOVED, Briodge deck removal	70,177.00 AS PER I		\$10.00000	\$1,701,770.00
			Total for Group 0	061: \$30,657,965.00
Group 0062: Other Structure Costs	S			
0224 R-OC-STRC	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, STRUCTURES Contingency				
0534	0.00		\$0.00000 Total fo	\$0.00 or Group 0062: \$0.00
			rotarit	ν στουρ 0002. ψ0.00

Group 0063: Temporary Road and Pavement Costs

Estimate: Alt I KY cont 8		PB A	mericas, Inc.
Line # Item Number	Quantity Units	Unit Price	Extension
Description Supplemental Description			
0225 S-MC-MNTC MAJOR COST DRIVERS, MAIN	1.00 LS TENANCE OF TRAFFIC	\$0.00000	\$0.00
		Total for Group 0063:	\$0.00
Group 0064: Portable Conc	proto Barrior (PCB)		
0226 S-MC-MNTC	1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAIN	TENANCE OF TRAFFIC	Total for Group 0064:	¢0.00
		Total for Group 0064:	φ0.00
Group 0065: Impact Attenu	ators		
0227 S-MC-MNTC MAJOR COST DRIVERS, MAIN	1.00 LS TENANCE OF TRAFFIC	\$0.00000	\$0.00
,		Total for Group 0065:	\$0.00
Group 0066: Sheeting			
0229 S-MC-MNTC	1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAIN	TENANCE OF TRAFFIC	Total for Group 0066:	\$0.00
			ψ0.00
Group 0067: Temporary Sig	-		.
0230 S-MC-MNTC MAJOR COST DRIVERS, MAIN	0.00 LS TENANCE OF TRAFFIC	\$0.00000	\$0.00
		Total for Group 0067:	\$0.00
Group 0068: Work Zone Lig	ghting		
0231 S-MC-MNTC	0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAIN	TENANCE OF TRAFFIC	Total for Group 0068:	\$0.00
			+ - -
Group 0069: Innovative Col 0232 S-MC-MNTC	0.00 LS	00000 02	00.02
MAJOR COST DRIVERS, MAIN		\$0.00000	\$0.00
		Total for Group 0069:	\$0.00
Group 0070: Other MOT Co	osts		
0233 S-OC-MNTC	1.00 LS	\$0.00000	\$0.00
OTHER COSTS, MAINTENANC	0.00 MILE	\$5,000,000.00000	\$0.00
OTHER COSTS, MAINTENANC	E OF TRAFFIC	Total for Group 0070:	\$0.00
			+
Group 0071: Wetland Cons		#0.0000	¢0.00
0234 T-MC-WTLD MAJOR COST DRIVERS, WETL		\$0.00000	\$0.00
0360 T-MC-WTLD MAJOR COST DRIVERS, WETL	0.00 LS AND CONSTRUCTION	\$0.00000	\$0.00
		Total for Group 0071:	\$0.00

Line # Item Number	Quantity Units	Unit Price	Extension
Description			
Supplemental Description			

Group 0072: Misc. Costs

0235 U-MC-MISC MAJOR COST DRIVERS, MISCELLANEOU	0.00 S COST	-	\$0.00000	\$0.00			
0236 U-OC-MISC OTHER COSTS, MISCELLANEOUS COSTS	0.00 S	LS	\$0.00000	\$0.00			
0237 100E00300 SPECIAL - PREMIUM ON RAILROADS' PR LIABILITY INSURANCE	0.00 OTECTI	-	\$10,000.00000 C LIABILITY AND PROPERTY DAMAGE	\$0.00			
0238 623E10000 CONSTRUCTION LAYOUT STAKES 0.5%	1.00	LS	\$156,414.28000	\$156,414.28			
0239 614E11000 MAINTAINING TRAFFIC 2%	0.00	LS	\$0.00000	\$0.00			
0240 619E16020 FIELD OFFICE, TYPE C	19.00	MNTH	\$2,500.00000	\$47,500.00			
0242 624E10000 MOBILIZATION	1.00	LS	\$800,000.00000	\$800,000.00			
0511 103E05000 1.00 LS \$156,414.28000 \$156,414.28 PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND 0.5%							
Total for Group 0072: \$1,160,328.56							

Group 0073: Design Contingency Costs

•	0	0	•			
0243	V-MC-CNTG		1.00	LS	\$0.00000	\$0.00
MAJ	JOR COST DRIVI	ERS, CONTING	SENCY COSTS			
0244	V-OC-CNTG		1.00	LS	\$8,110,796.20000	\$8,110,796.20
OTH	IER COSTS, CO	NTINGENCY C	OSTS			
25%	/ D					
					Total for Group 0073	3: \$8,110,796.20
						$\psi_{0,110,100.20}$

Group 0074: Inflation Contingency

•	0,		
0266 V-OC-CNTG	0.00 LS	\$0.00000	\$0.00
OTHER COSTS, CONTINGENO	CY COSTS		
		Total for Group 00	074: \$0.00

Estimate Alt I OH cont 2

Estimated Cost: \$10,727,667.45 Contingency: 29.20% Estimated Total: \$13,860,146.35

Linn St

Base Date: 07/22/10

Spec Year: 10

Unit System: E

Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE

Highway Type: 451

Urban/Rural Type: URBAN CLASS

Season: SUMMER

County: HAMILTON

Midpoint of Latitude:

Midpoint of Longitude:

District: 8

Federal/State Project Number:

Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt I OH cont 2			РВ	Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
Group 0001: Pavement Remova	I			
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	17,258.00	SY	\$8.00000	\$138,064.00
			Total for Group 0001: \$138	,064.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$30.00000	\$0.00
			Total for Group 0002	: \$0.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0344 203E10000 EXCAVATION	12,592.00	CY	\$8.00000	\$100,736.00
EXONVITION			Total for Group 0003: \$100	,736.00
Group 0004: Excavation - Hazar	dous			
0006 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0004	: \$0.00
Group 0005: Fill - Embankment	(includes	wasting	excess excavation)	
0007 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0345 203E20000	12,592.00	CY	\$6.00000	\$75,552.00
EMBANKMENT			Total for Group 0005: \$75	,552.00
Group 0006: Fill - Lime Modified	Soil			
0010 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0346 205E10050	0.00	CY	\$7.00000	\$0.00
LIME STABILIZED EMBANKMENT	0.00	TON	\$5.00000	\$0.00
LIME			Total for Group 0006	: \$0.00
Group 0007: Fill - Borrow				
0011 A-MC-RDWY	0.00	CY	\$8.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0007	: \$0.00
Croup 0009: Concrete Derrier				
Group 0008: Concrete Barrier	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0465 622E10060	0.00	FT	\$110.00000	\$0.00
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Estimate: Alt I OH cont 2			PB A	mericas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE	TYPE B			
	.,		Total for Group 0008:	\$0.00
Croup 0000: Subgrada Traatmar	t lime			
Group 0009: Subgrade Treatmer	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY				
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000	0.00	HOUR	\$4.00000	\$0.00
TEST ROLLING			Total for Group 0009:	\$0.00
				T
Group 0010: Subgrade Treatmer			# 0 50000	\$04.005.00
0016 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	12,534.00	SY	\$2.50000	\$31,335.00
			Total for Group 0010: \$31,3	335.00
Group 0011: Subgrade Treatmer	nt - Unde	rcut & F	Backfill	
0017 A-MC-RDWY	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0011:	\$0.00
				ψ0.00
Group 0012: Other Roadway Cos				
0019 A-OC-RDWY OTHER COSTS, ROADWAY	0.00	LS	\$0.00000	\$0.00
Contingency 0020 201E11000	0.00	19	\$856,500.00000	\$0.00
CLEARING AND GRUBBING				
0021 201E21800 TREE REMOVED, 18" SIZE	0.00	EACH	\$250.00000	\$0.00
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000	0.00	LS	\$9,310.13000	
STRUCTURE REMOVED 0028 202E35200				\$0.00
	0.00	FT	\$0.00000	\$0.00 \$0.00
PIPE REMOVED, OVER 24" 0029 202E38000				\$0.00
0029 202E38000 GUARDRAIL REMOVED	0.00	FT	\$0.00000	\$0.00 \$0.00
0029 202E38000 GUARDRAIL REMOVED 0030 202E42206 ANCHOR ASSEMBLY REMOVED	0.00	FT EACH	\$0.00000 \$0.00000	\$0.00 \$0.00 \$0.00
0029 202E38000 GUARDRAIL REMOVED 0030 202E42206 ANCHOR ASSEMBLY REMOVED 0031 202E58000 MANHOLE REMOVED	0.00	FT EACH EACH	\$0.00000 \$0.00000 \$0.00000	\$0.00 \$0.00 \$0.00 \$0.00
0029 202E38000 GUARDRAIL REMOVED 0030 202E42206 ANCHOR ASSEMBLY REMOVED 0031 202E58000 MANHOLE REMOVED 0032 202E58100	0.00	FT EACH	\$0.00000 \$0.00000	\$0.00 \$0.00 \$0.00
0029 202E38000 GUARDRAIL REMOVED 0030 202E42206 ANCHOR ASSEMBLY REMOVED 0031 202E58000 MANHOLE REMOVED	0.00 0.00 0.00	FT EACH EACH EACH	\$0.00000 \$0.00000 \$0.00000	\$0.00 \$0.00 \$0.00 \$0.00

8:07:25AM

Estimate:	Alt I	OH cont 2
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Estimate: Alt I OH cont 2			PB	Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
PROOF ROLLING 0035 204E10000	0.00	SV	\$0.81000	\$0.00
SUBGRADE COMPACTION 0036 451E30000	0.00		\$0.00000	\$0.00
SPECIAL - PRESSURE RELIEF	JOINT, TYPE A		·	
0037 606E13000 GUARDRAIL, TYPE 5	0.00		\$14.00000	\$0.00
0038 606E22000 ANCHOR ASSEMBLY, TYPE B-9		EACH	\$1,411.29597	\$0.00
0039 606E22010 ANCHOR ASSEMBLY, TYPE E-9	0.00	EACH	\$1,712.52574	\$0.00
0040 606E26500 ANCHOR ASSEMBLY, TYPE T	0.00	EACH	\$487.23435	\$0.00
0041 606E35000 BRIDGE TERMINAL ASSEMBLY	0.00	EACH	\$969.12750	\$0.00
0042 606E35100	0.00	EACH	\$338.36354	\$0.00
BRIDGE TERMINAL ASSEMBLY 0043 606E60010	0.00	EACH	\$3,439.05897	\$0.00
IMPACT ATTENUATOR, TYPE 1 0044 607E15000 FENCE, TYPE 47 For Foncing	-98 (BIDIRECTION 0.00		\$0.00000	\$0.00
For Fencing 0423 304E20000 AGGREGATE BASE For Fencing	0.00	CY	\$0.00000	\$0.00
0424 601E32100 ROCK CHANNEL PROTECTION For Fencing	0.00 , TYPE B WITH FIL		\$0.00000	\$0.00
0425 607E40500 GATE, TYPE 47 For Fencing	0.00	EACH	\$731.31641	\$0.00
0426 625E32000 GROUND ROD For Fencing	0.00	EACH	\$0.00000	\$0.00
0466	0.00		\$0.00000	\$0.00
			Total for Group 0012	: \$0.00
Group 0014: Seeding & Mul	0	0	# 0.00000	\$ 0.00
0045 B-MC-ERCO MAJOR COST DRIVERS, EROS			\$0.0000	\$0.00
0467 659E10000 SEEDING AND MULCHING	0.00	SY	\$1.00000	\$0.00
0531 660E25000 SODDING STAKED	0.00	SY	\$15.00000	\$0.00
			Total for Group 0014	: \$0.00
Group 0015: Rock Channel	Protection			
0047 B-MC-ERCO MAJOR COST DRIVERS, EROS	1.00 ION CONTROL	LS	\$0.00000	\$0.00
0469 601E32000 ROCK CHANNEL PROTECTION	0.00		\$75.00000	\$0.00
	, <u>.</u> /		Total for Group 0015	: \$0.00
Group 0016: Erosion Contro	ol - Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
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Estimate: Alt I OH cont 2	Quantity	Unito	F Unit Price	B Americas, Inc.
<u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>omis</u>	<u>Unit Price</u>	<u>Extension</u>
MAJOR COST DRIVERS, EROSION CO				
0470 832E10000 STORM WATER POLLUTION PREVEN	1.00 TION PLAN	LS	\$20,000.00000	\$20,000.00
0471 832E20000 EROSION CONTROL	6,000.00	EACH	\$1.00000	\$6,000.00
			Total for Group 0016: \$2	26,000.00
Group 0017: Other Freeign Cont	rol Costa			
Group 0017: Other Erosion Conti 0049 670E00700	0.00	SY	\$0.00000	\$0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00		\$0.00000	
OTHER COSTS, EROSION CONTROL				\$0.00
0051 659E00100 SOIL ANALYSIS TEST	0.00	EACH	\$0.00000	\$0.00
0052 659E00300 TOPSOIL	0.00	CY	\$0.00000	\$0.00
0053 659E14000 REPAIR SEEDING AND MULCHING	0.00	SY	\$0.00000	\$0.00
0054 659E15000 INTER-SEEDING	0.00	SY	\$0.71000	\$0.00
0055 659E20000 COMMERCIAL FERTILIZER	0.00	TON	\$410.06813	\$0.00
0056 659E31000 LIME	0.00	ACRE	\$0.00000	\$0.00
0057 659E35000 WATER	0.00	MGAL	\$5.00000	\$0.00
0058 659E40000 MOWING	0.00	MSF	\$0.00000	\$0.00
MOWING			Total for Group 001	7: \$0.00
Group 0018: Underdrains 0059 C-MC-DRNG	1.00	19	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0062 605E05100	4,524.00		\$8.00000	
4" SHALLOW PIPE UNDERDRAINS	4,524.00	ГІ		\$36,192.00
			Total for Group 0018: \$3	6,192.00
Group 0019: Culverts - Type A: <	: 5'			
0474 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	LS	\$0.00000	\$0.00
0480 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$350.00000	\$0.00
Pipe Structures - Reinforced Concrete Pl 0481 C-MC-DRNG		EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE	0.00	LACIT	\$1,000.00000	φ0.00
Concrete Masonry			Total for Group 001	9: \$0.00
Group 0021: Culverts, Type A: 5'	- 10'			
0067 C-MC-DRNG	- 10	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE				
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000	\$0.00
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Estimate: Alt I OH cont 2				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Pipe Structures - Reinforced Concrete 5'-	·10' 66" to	78"		
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		EACH	\$1,500.00000	\$0.00
			Total for Group 00	21: \$0.00
Group 0022: Culverts, Type A: 10)' - 20'			
0486 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0487 C-MC-DRNG	0.00	FT	\$1,400.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete Pi	pe 10'-20'			
0488 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Group 00	22. 00 00
			Total for Group 00	ΖΖ. ΦΟ.ΟΟ
Group 0024: BMP's				
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group 00	24: \$0.00
Group 0025: Closed Storm Syste	m			
0077 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0489 603E13400	1,694.00	FT	\$75.00000	\$127,050.00
30" CONDUIT, TYPE B (Average size) 0523 604E00800	16.00	EACH	\$1,500.00000	\$24,000.00
CATCH BASIN, NO. 3A 0524 604E31500	4.00	EACH	\$3,000.00000	\$12,000.00
MANHOLE, NO. 3 0525 604E36601	0.00	EACH	\$1,250.00000	\$0.00
PRECAST REINFORCED CONCRETE C 0526 Special	OUTLET, AS 0.00		\$6,400,000.00000	\$0.00
Pump Station (Storm) 0527 Special	0.00	EACH	\$5,750.00000	\$0.00
Stormceptors 0529 Special	0.00	LS	\$109,000.00000	\$0.00
Retention basin improvements				
			Total for Group 0025: \$1	63,050.00
Group 0026: Other Drainage Cos	ts			
0078 C-OC-DRNG OTHER COSTS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group 00	26: \$0.00
Group 0027: Mainline - Travel La	nes			
0095 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0494 D-MC-PVMT	0.00	SY	\$68.00000	\$0.00
13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Con	npaction			
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Estimate: Alt I OH cont 2			PB A	mericas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
			Total for Group 0027:	\$0.00
				ψ0.00
Group 0028: Mainline - Outs	ide Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEM	1.00 1ENT	LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavemer	0.00	SY	\$68.00000	\$0.00
Includes 6" Agg base and Subgrad				A a a a
			Total for Group 0028:	\$0.00
Group 0030: Mainline - Insid	le Shoulder			
0115 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEM 0496 D-MC-PVMT	0.00	SY	\$68.00000	\$0.00
13" Reinforced Concrete Pavemer Includes 6" Agg base and Subgrad				
			Total for Group 0030:	\$0.00
Group 0031: Ramps (includi	na shoulders`)		
0122 D-MC-PVMT	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEM 0497 D-MC-PVMT	1ENT 0.00	SY	\$68.00000	\$0.00
13" Reinforced Concrete Pavemer Includes 6" Agg base and Subgrad				
			Total for Group 0031:	\$0.00
Group 0032: Non - Mainline	lanes			
0132 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEM 0498 D-MC-PVMT	1ENT 12,534.00	SY		\$513,894.00
Asphalt Includes 3" 448, 9" 301, 6" Agg ba			¢11.00000	\$010,00 H00
includes 3 446, 9 301, 0 Agy ba	ise and Subgrade	Compaction	Total for Group 0032: \$513,8	394.00
Crown 0041. Other Deverse				
Group 0041: Other Pavemer 0163 D-OC-PVMT	11 COSTS 1.00	15	\$0.00000	\$0.00
OTHER COSTS, PAVEMENT	1.00	20		
			Total for Group 0041:	\$0.00
Group 0042: Water Works				
0164 E-MC-WATR MAJOR COST DRIVERS, WATEF	0.00	LS	\$0.00000	\$0.00
0165 E-OC-WATR	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, WATER LINE			Total for Group 0042:	\$0.00
			· · · · · · · · · · · · · · · · · · ·	, -
Group 0043: Sanitary Line	0.00		¢0.00000	# 0.00
0170 F-MC-SANI MAJOR COST DRIVERS, SANITA	0.00 ARY SEWER	LƏ	\$0.00000	\$0.00
8:07:25AM				

Estimate: Alt I OH cont 2 <u>Line #</u> <u>Item Number</u> Description	Quantity	<u>Units</u>	PB / <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
Supplemental Description				
			Total for Group 0043:	\$0.00
Oraun 0044: Lighting - Full Interat				
Group 0044: Lighting - Full Interch 0173 G-MC-LTNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING				
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	EACH	\$469,000.00000	\$0.00
			Total for Group 0044:	\$0.00
Group 0045: Lighting - Partial Inte	rchange	9		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0045:	\$0.00
Group 0046: Lighting - Continuous	s Roadv	vav		
0176 G-MC-LTNG	1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING 0500 G-MC-LTNG	2,665.00	FT	\$35.00000	\$93,275.00
Lighting - Continuous			Total for Group 0046: \$93,	275.00
				275.00
Group 0047: Other Lighting Costs				•
0177 G-OC-LTNG OTHER COSTS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0047:	\$0.00
Group 0048: Traffic Surveillance				
0178 H-OC-SURV OTHER COSTS, TRAFFIC SURVEILLAN	0.00	LS	\$0.00000	\$0.00
OTTER COSTS, TRAFFIC SORVEILLAN	UE .		Total for Group 0048:	\$0.00
Group 0049: Signs				
0179 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CON 0501 J-MC-TRAF	TROL 0.50	MILE	\$250,000.00000	\$125,000.00
Signs				
			Total for Group 0049: \$125,	000.00
Group 0050: Pavement Marking				
0200 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC CON	1.00 TROL	LS	\$0.00000	\$0.00
0502 644E00100 EDGE LINE	1.02	MILE	\$3,000.00000	\$3,060.00
0503 644E00200 LANE LINE	0.41	MILE	\$2,000.00000	\$820.00
			Total for Group 0050: \$3,	880.00

Group 0051: Other Traffic Control Costs

Estimate: Alt I OH cont 2 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	Quantity	<u>Units</u>	PB <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
0208 J-OC-TRAF	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC CONTROL Group 0052: Signals - Intersection			Total for Group 0051	: \$0.00
0212 K-MC-SGNL	1.00	LS	\$175,000.00000	\$175,000.00
MAJOR COST DRIVERS, SIGNALS	_		Total for Group 0052: \$175	,000.00
Group 0053: Other Traffic Signal			¢0.0000	\$ 0.00
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
Group 0054: Landscaping			Total for Group 0053	: \$0.00
0214 L-MC-LSCP MAJOR COST DRIVERS, LANDSCAPIN	1.00 G	LS	\$0.00000	\$0.00
0215 L-OC-LSCP OTHER COSTS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
			Total for Group 0054	: \$0.00
Group 0055: Retaining Walls \$12	5 + \$10/	ft for ca	aps, barriers and testing	
0216 M-MC-WALL	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, RETAINING W 0504 M-MC-WALL Retaining Walls	8,400.00	SF	\$135.00000	\$1,134,000.00
			Total for Group 0055: \$1,134	,000.00
Group 0056: Other Retaining Wal	l Costs			
0217 M-OC-WALL	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, RETAINING WALLS			Total for Group 0056	: \$0.00
Group 0057: Building Demolition				
0218 N-MC-DEMO	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, BUILDING DEI 0219 N-OC-DEMO	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, BUILDING DEMOLITIO 0532 202E56101 BUILDING DEMOLISHED, AS PER PLAN	0.00	EACH	\$30,000.00000	\$0.00
Large Commercial 0533 202E56101	0.00	EACH	\$15,000.00000	\$0.00
BUILDING DEMOLISHED, AS PER PLAN Small Commercial		EAGIT	φ10,000.00000	40.00
0534 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Residential		EACH	\$12,000.00000	\$0.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Residential		EACH	\$7,500.00000	\$0.00
0536 202E98100 8:07:25AM	0.00	EACH	\$8,500.00000	\$0.00

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Estimate: Alt I OH cont 2			PB /	Americas, Inc.
	uantity	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
REMOVAL MISC.: Radio Tower				
			Total for Group 0057:	\$0.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIER	1.00	LS	\$0.00000	\$0.00
0505 P-MC-NSBR Noise Barrier	0.00	LS	\$400.00000	\$0.00
			Total for Group 0058:	\$0.00
Group 0059: Other Noise Barrier Co	osts			
0221 P-OC-NSBR OTHER COSTS, NOISE BARRIER	1.00	LS	\$0.00000	\$0.00
0368 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIER	0.00	LS	\$0.00000	\$0.00
			Total for Group 0059:	\$0.00
Group 0060: New Structures				
0222 R-MC-STRC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES 0506 R-MC-STRC 35, Tier 1 Structures to 25' Height	636.00	SF	\$125.00000	\$4,454,500.00
0507 R-MC-STRC Removal of Existing Structures non-complex	0.00	SF	\$12.00000	\$0.00
	662.00		\$17.00000	\$776,254.00
0509 R-MC-STRC Removal of Existing Structures complex to ve	0.00	SF	\$30.00000	\$0.00
0513 R-MC-STRC Tier 2 Structures 25' to 50' Height	0.00		\$150.00000	\$0.00
0516 R-MC-STRC Tier 3 Structures 50' to 75' Height	0.00	SF	\$200.00000	\$0.00
			Total for Group 0060: \$5,230,	754.00
Group 0061: Rehabilitated Structure	es			
0223 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	0.00	SF	\$45.00000	\$0.00
			Total for Group 0061:	\$0.00
Group 0062: Other Structure Costs				
0224 R-OC-STRC OTHER COSTS, STRUCTURES	0.00	LS	\$0.00000	\$0.00
Contingency			Total for Croup 0062:	ድር <u>ሰ</u> ር
			Total for Group 0062:	φ0.00
Group 0063: Temporary Road and F			* 2.2222	*0 00
0225 S-MC-MNTC MAJOR COST DRIVERS, MAINTENANCE C	1.00 DF TRAI		\$0.00000	\$0.00
8:07:25AM				

Estimate: Alt I OH cont 2	PB	Americas, Inc.
<u>Line # Item Number</u> <u>Quantity</u> <u>Units</u> <u>Description</u> <u>Supplemental Description</u>	<u>Unit Price</u>	<u>Extension</u>
	Total for Group 0063:	\$0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0064:	\$0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0066:	\$0.00
Group 0067: Temporary Signals		
0230 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS OTHER COSTS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
0512 S-OC-MNTC 0.50 MILE OTHER COSTS, MAINTENANCE OF TRAFFIC	\$500,000.00000	\$250,000.00
	Total for Group 0070: \$250,	000.00
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt I OH cont 2				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELLA	0.00 NEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOUS	0.00		\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILROAE LIABILITY INSURANCE	0.00		\$10,000.00000 IC LIABILITY AND PROPERT	\$0.00 \$0.00
0238 623E10000 CONSTRUCTION LAYOUT STAKES 0.5%	1.00	LS	\$40,483.66000	\$40,483.66
0239 614E11000 MAINTAINING TRAFFIC 5%	1.00	LS	\$161,934.64000	\$161,934.64
0240 619E16020 FIELD OFFICE, TYPE C	17.00	MNTH	\$2,500.00000	\$42,500.00
0242 624E10000 MOBILIZATION	1.00	LS	\$200,000.00000	\$200,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERFO 0.5%	1.00 RMANCE BON		\$40,483.66000 OR PAYMENT BOND	\$40,483.66
			Total for Grou	ıp 0072: \$485,401.96
Group 0073: Design Contingen	cy Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTINGE 25%	1.00 ENCY COSTS	LS	\$2,145,533.49000	\$2,145,533.49
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY CC	1.00 STS	LS	\$0.00000	\$0.00
			Total for Group	0073: \$2,145,533.49
Group 0074: Inflation Continge	ncy			
0266 V-OC-CNTG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, CONTINGENCY CC	515		Total fo	or Group 0074: \$0.00

PID	89056	County	HAM	Route	75	Section	1.04	This R/W Acquisition cost estimate
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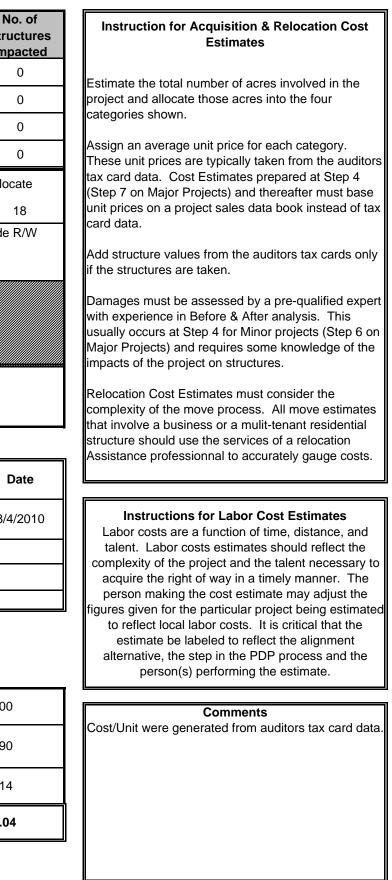
lacro View Attributes															
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	=	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No Strue Impa
-Residential	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
-Commercial	0.01	Х	\$702,025.81	\$7,020	+	0	+	N/A	\$0.00	=	\$7,020.26	1	0	1	
-Industrial	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
-Agricultural	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
Relocation	Unit (Displacement)	x	*RHF	9/*RSP	+	Move Cost	+	+ Reestablishment = Total Non Labor RAP Costs		Estima	te amount of tim all RAP parcel	-			
-Residential Owner Occupant Tenant	0	x x		4,000 0,000	+++	\$6,000 \$1,750				=	\$0 \$0		e number of year uisition begins =		ct wide F 1.75
-Commerical/Farm/NPO Owner Tenant	0 0				x x	\$15,000 \$15,000	+++	\$10, \$10,		=	\$0 \$0				
-Personal Property	0				Х	\$1,000				=	\$0				
{[(Total Cost of Acquisition Cos	t)x0.90]x0.025}+{[(Total o Cost)x0.10]x1.50			15]x1.20}+{[(Total	of Ac	quisition		Contin (Incidentals, Admin. Re		on)	2474.64098		placement Hous		t
							Total Non Labor R/W Costs \$9,494.90 *RSP - Rent Supplemental Payment								

Macro View	-	_		_	
Labor (External)	Unit (Parcels)	Х	Unit Price	=	Total Cost
Titles	1	Х	\$400	=	\$400
Appraisal -Simple -Detailed	0 1	x x	\$750 \$4,500	=	\$0 \$4,500
Appraisal Review -Simple -Detailed	0 1	x x	\$500 \$2,000	=	\$0 \$2,000
Negotiations	1	Х	\$1,100	=	\$1,100
Relocations -Personal Property -Residential -Commercial/Farm/*NPO	0 0 0	x x x	\$1,500 \$5,200 \$5,600	= =	\$0 \$0 \$0
Closings	1	Х	\$400	=	\$400
Project Management	1	Х	\$550	=	\$550
Asbestos Testing & Abatement		Х		=	
		Tota	al Labor Costs		\$8,950
*NPO = Non-Profit Organization					-

This R/W Cost Estimate Prepared by								
Chris Clemons								
This R/W Cost Estimate was performed at Step								
of the PDP for	MAJOR	Projects using						

Total R/W Costs	\$19,570.04
Inflation Adjustments	\$1,125.14
Total Non Labor R/W Costs	\$9,494.90
Total Labor Costs	\$8,950.00

P.D.P. R/W Cost Estimator



Estimate Alt I OH cont 3

Estimated Cost: \$22,959,232.28 Contingency: 32.90%

Estimated Total: \$30,512,819.70

OH-3 Ezzard Charles Base Date: 07/22/10 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Latitude: District: 8 Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt I OH cont 3				PB Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
Supplemental Description				
Group 0001: Pavement Remova				
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	21,262.00	SY	\$8.00000	\$170,096.00
			Total for Group 0001: \$	170,096.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$30.00000	\$0.00
			Total for Group 0	002: \$0.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0344 203E10000	40,911.00	CY	\$8.00000	\$327,288.00
EXCAVATION			Total for Group 0003: \$	327.288.00
				- ,
Group 0004: Excavation - Hazar	aous 1.00	IS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY	1.00	20		
			Total for Group 0	004.
Group 0005: Fill - Embankment	•		,	
0007 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0345 203E20000 EMBANKMENT	40,911.00	CY	\$6.00000	\$245,466.00
			Total for Group 0005: \$	245,466.00
Group 0006: Fill - Lime Modified	Soil			
0010 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0346 205E10050 LIME STABILIZED EMBANKMENT	0.00	CY	\$7.00000	\$0.00
0347 205E10300	0.00	TON	\$5.00000	\$0.00
LIME			Total for Group 0	006: \$0.00
Group 0007: Fill - Borrow				
0011 A-MC-RDWY	0.00	CY	\$8.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0	007 \$0.00
				οστ. φυ.ου
Group 0008: Concrete Barrier	- 1.00		# 0.0000	* ~ ~~
0012 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00		\$0.00000	\$0.00
0465 622E10060 8:11:07AM	0.00	FT	\$110.00000	\$0.00
Wednesday, December 01, 2010				Page 2 of 12

Estimate: Alt I OH cont 3			PB A	mericas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPI	TYPE B			
	_, D		Total for Group 0008:	\$0.00
Croup 0000: Subgrada Traatma	ot limo			
Group 0009: Subgrade Treatmer	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY				
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000	0.00	HOUR	\$4.00000	\$0.00
TEST ROLLING			Total for Group 0009:	\$0.00
			·	·
Group 0010: Subgrade Treatmer			\$2 50000	
0016 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	27,862.00	SY	\$2.50000	\$69,655.00
			Total for Group 0010: \$69,	655.00
Group 0011: Subgrade Treatmer	nt - Unde	rcut & E	Backfill	
0017 A-MC-RDWY	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0011:	\$0.00
				ψ0.00
Group 0012: Other Roadway Co	sts			
0019 A-OC-RDWY OTHER COSTS, ROADWAY	0.00	LS	\$0.00000	\$0.00
Contingency 0020 201E11000	0.00	15	\$856,500.00000	\$0.00
CLEARING AND GRUBBING				
0021 201E21800 TREE REMOVED, 18" SIZE	0.00	EACH	\$250.00000	\$0.00
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000	0.00	LS	\$9,310.13000	\$0.00
STRUCTURE REMOVED 0028 202E35200	0.00	FT	\$0.00000	\$0.00
PIPE REMOVED, OVER 24" 0029 202E38000	0.00	FT	\$0.00000	\$0.00
GUARDRAIL REMOVED 0030 202E42206	0.00	EACH	\$0.00000	\$0.00
ANCHOR ASSEMBLY REMOVED				
0031 202E58000 MANHOLE REMOVED	0.00	EACH	\$0.00000	\$0.00
			\$0.00000	.
0032 202E58100 CATCH BASIN REMOVED	0.00	EACH	<i>Q</i> (100000	\$0.00
	0.00		\$0.00000	\$0.00 \$0.00

8:11:07AM

Estimate:	Alt I	OH co	nt 3
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Estimate: Alt I OH cont 3			PB	Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
PROOF ROLLING		<u></u>	AA A A A A A A A A 	* •••••
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF J	0.00 OINT. TYPE A	FT	\$0.00000	\$0.00
0037 606E13000 GUARDRAIL, TYPE 5	0.00	FT	\$14.00000	\$0.00
0038 606E22000	0.00	EACH	\$1,411.29597	\$0.00
ANCHOR ASSEMBLY, TYPE B-98 0039 606E22010	0.00	EACH	\$1,712.52574	\$0.00
ANCHOR ASSEMBLY, TYPE E-98 0040 606E26500	0.00	EACH	\$487.23435	\$0.00
ANCHOR ASSEMBLY, TYPE T 0041 606E35000	0.00	EACH	\$969.12750	\$0.00
BRIDGE TERMINAL ASSEMBLY,	TYPE 1	EACH	\$338.36354	
BRIDGE TERMINAL ASSEMBLY,			·	\$0.00
0043 606E60010 IMPACT ATTENUATOR, TYPE 1-3		EACH AL)	\$3,439.05897	\$0.00
0044 607E15000 FENCE, TYPE 47 For Fencing	0.00		\$0.00000	\$0.00
0423 304E20000 AGGREGATE BASE For Fencing	0.00	CY	\$0.00000	\$0.00
0424 601E32100 ROCK CHANNEL PROTECTION, For Fencing	0.00 TYPE B WITH FIL	-	\$0.00000	\$0.00
0425 607E40500 GATE, TYPE 47 For Fencing	0.00	EACH	\$731.31641	\$0.00
0426 625E32000 GROUND ROD For Fencing	0.00	EACH	\$0.00000	\$0.00
0466	0.00		\$0.00000	\$0.00
			Total for Group 0012:	\$0.00
Group 0014: Seeding & Mulo	hing / Soddir	ng		
0045 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSIO 0467 659E10000	14,738.00	SY	\$1.00000	\$14,738.00
SEEDING AND MULCHING 0531 660E25000	0.00	SY	\$15.00000	\$0.00
SODDING STAKED			Total for Group 0014: \$14,	738 00
• · · · · · ·				
Group 0015: Rock Channel F			A 2 2222	* •••••
0047 B-MC-ERCO MAJOR COST DRIVERS, EROSIO	1.00 ON CONTROL	LS	\$0.00000	\$0.00
0469 601E32000 ROCK CHANNEL PROTECTION,	0.00 TYPE A WITH FIL		\$75.00000	\$0.00
·····			Total for Group 0015:	\$0.00
Group 0016: Erosion Control	- Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
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Estimate: Alt I OH cont 3				PB Americas, In	IC.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extensio	<u>on</u>
Supplemental Description					
MAJOR COST DRIVERS, EROSION CO		1.0	\$ 50,000,00000	\$ 50,000	
0470 832E10000 STORM WATER POLLUTION PREVEN			\$50,000.00000	\$50,000.0	
0471 832E20000 EROSION CONTROL	24,000.00	EACH	\$1.00000	\$24,000.0	00
			Total for Gro	oup 0016: \$74,000.00	
Group 0017: Other Erosion Cont	rol Costs				
0049 670E00700	0.00	SY	\$0.00000	\$0.0	00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000	\$0.0	00
OTHER COSTS, EROSION CONTROL 0051 659E00100	0.00	EACH	\$0.00000	\$0.0	00
SOIL ANALYSIS TEST 0052 659E00300	0.00	CY	\$0.00000	\$0.0	00
TOPSOIL 0053 659E14000	0.00	SY	\$0.00000	\$0.0	00
REPAIR SEEDING AND MULCHING 0054 659E15000	0.00	SY	\$0.71000	\$0.0	00
INTER-SEEDING 0055 659E20000	0.00	TON	\$410.06813	\$0.0	00
COMMERCIAL FERTILIZER 0056 659E31000		ACRE	\$0.00000	\$0.0	
LIME 0057 659E35000	0.00	MGAL	\$5.00000	\$0.0	
WATER			·	· · · · · · · · · · · · · · · · · · ·	
0058 659E40000 MOWING	0.00	MSF	\$0.00000	\$0.0	00
			Total fo	or Group 0017: \$0.00	
Group 0018: Underdrains					
0059 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.0	00
0062 605E05100 4" SHALLOW PIPE UNDERDRAINS	16,411.00	FT	\$8.00000	\$131,288.0	00
4 SHALLOW FIFE UNDERDRAINS			Total for Grou	ıp 0018: \$131,288.00	
Group 0019: Culverts - Type A: <	- 5'				
0474 C-MC-DRNG	0.00	LS	\$0.00000	\$0.0	00
MAJOR COST DRIVERS, DRAINAGE 0480 C-MC-DRNG	0.00	FT	\$350.00000	\$0.0	00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete P					
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE		EACH	\$1,500.00000	\$0.0	00
Concrete Masonry			T _(-) (
			I otal fo	or Group 0019: \$0.00	
Group 0021: Culverts, Type A: 5'	- 10'				
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.0	00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000	\$0.0	00
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Estimate: Alt I OH cont 3				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Pipe Structures - Reinforced Concrete 5'	'-10' 66" to	78"		
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		EACH	\$1,500.00000	\$0.00
			Total for Group 0	021: \$0.00
Group 0022: Culverts, Type A: 10	0' - 20'			
0486 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0487 C-MC-DRNG	0.00	FT	\$1,400.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete Pl	ipe 10'-20'			
0488 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Group 0	022. 00 00
			Total for Group 0	022. φ0.00
Group 0024: BMP's				
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group 0	024: \$0.00
Group 0025: Closed Storm Syste	em			
0077 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0489 603E13400	1,400.00	FT	\$75.00000	\$105,000.00
30" CONDUIT, TYPE B (Average size) 0523 604E00800	25.00	EACH	\$1,500.00000	\$37,500.00
CATCH BASIN, NO. 3A 0524 604E31500	3.00	EACH	\$3,000.00000	\$9,000.00
MANHOLE, NO. 3 0525 604E36601		EACH	\$1,250.00000	\$0.00
PRECAST REINFORCED CONCRETE (OUTLET, AS	PER PLAN		
0526 Special Pump Station (Storm)	0.00		\$6,400,000.00000	\$0.00
0527 Special Stormceptors	0.00	EACH	\$5,750.00000	\$0.00
0529 Special Retention basin improvements	0.00	LS	\$109,000.00000	\$0.00
			Total for Group 0025: \$	151,500.00
Group 0026: Other Drainage Cos	sts			
0078 C-OC-DRNG	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, DRAINAGE			Total for Group 0	026 [.] \$0.00
-				σ20. φ0.00
Group 0027: Mainline - Travel La			6 0 00000	** **
0095 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0494 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Cor	0.00 mpaction	SY	\$68.00000	\$0.00
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		Р	B Americas, Inc.
<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
		Total for Group 002	7: \$0.00
Shouldor		·	
	15	00000 02	\$0.00
	SY	\$68.00000	\$0.00
mpaction		Total for Group 002	8: \$0.00
			ο. φο.σο
1.00	LS	\$0.00000	\$0.00
0.00	SY	\$68.00000	\$0.00
mpaction		T () () 0 0 0 0 0	o f o oo
		Total for Group 003	0: \$0.00
houlders))		
1.00	LS	\$0.00000	\$0.00
8,907.00	SY	\$68.00000	\$605,676.00
mpaction			
		Total for Group 0031: \$60	5,676.00
es			
	LS	\$0.00000	\$0.00
18 955 00	SY	\$41,00000	\$777,155.00
,		\$11.00000	<i>QTTT</i> ,100.00
a Subgrade (Jompaction	Total for Group 0032: \$77	7,155.00
		•	
	10	00000	ቀሳ ሳሳ
1.00	LS		\$0.00
		Total for Group 004	1: \$0.00
0.00	LS	\$0.00000	\$0.00
0.00		\$0.00000 \$0.00000	\$0.00 \$0.00
Ξ		\$0.00000	\$0.00
Ξ			\$0.00
Ξ		\$0.00000	\$0.00
Ξ	LS	\$0.00000	\$0.00
	Shoulder 1.00 0.00 mpaction houlder 1.00 0.00 mpaction shoulders) 1.00 8,907.00 mpaction es 1.00 18,955.00 od Subgrade of 0.005ts	1.00 LS 0.00 SY impaction Incompaction 1.00 LS 0.00 SY impaction SY <td>QuantityUnitsUnit PriceTotal for Group 002Shoulder1.00LS\$0.00000.00SY\$68.0000mpactionTotal for Group 0021.00LS\$0.000000.00SY\$68.0000mpactionTotal for Group 003mpactionTotal for Group 003mpactionTotal for Group 003mpactionTotal for Group 003mpactionTotal for Group 003shoulders)S1.00LS\$0.0000SY\$68.0000Group 0031:\$60S1.00LS\$0.0000SY\$68.0000Total for Group 0031:\$60S1.00LS\$0.0000SY\$1.00SY</td>	QuantityUnitsUnit PriceTotal for Group 002Shoulder1.00LS\$0.00000.00SY\$68.0000mpactionTotal for Group 0021.00LS\$0.000000.00SY\$68.0000mpactionTotal for Group 003mpactionTotal for Group 003mpactionTotal for Group 003mpactionTotal for Group 003mpactionTotal for Group 003shoulders)S1.00LS\$0.0000SY\$68.0000Group 0031:\$60S1.00LS\$0.0000SY\$68.0000Total for Group 0031:\$60S1.00LS\$0.0000SY\$1.00SY

Estimate: Alt I OH cont 3 <u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	PE <u>Unit Price</u>	3 Americas, Inc. <u>Extension</u>
			Total for Group 0043	3: \$0.00
Group 0044: Lighting - Full Interc	change			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	EACH	\$469,000.00000	\$0.00
			Total for Group 0044	1: \$0.00
Group 0045: Lighting - Partial Int	erchange	9		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0045	5: \$0.00
Group 0046: Lighting - Continuo	us Roadv	vav		
0176 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	•	\$0.00000	\$0.00
0500 G-MC-LTNG Lighting - Continuous	4,966.00	FT	\$35.00000	\$173,810.00
Lighting - Continuous			Total for Group 0046: \$173	3,810.00
Group 0047: Other Lighting Cost	S			
0177 G-OC-LTNG OTHER COSTS, LIGHTING	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, EIGHTING			Total for Group 0047	7: \$0.00
Group 0048: Traffic Surveillance				
0178 H-OC-SURV	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC SURVEILLA	NCE		Total for Group 0048	3: \$0.00
Group 0049: Signs				
0179 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CO 0501 J-MC-TRAF	0.94	MILE	\$250,000.00000	\$235,000.00
Signs			Total for Group 0049: \$235	5,000.00
Group 0050: Pavement Marking				
0200 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CO 0502 644E00100	NTROL 2.44	MILE	\$3,000.00000	\$7,320.00
EDGE LINE 0503 644E00200	0.16	MILE	\$2,000.00000	\$320.00
LANE LINE			Total for Group 0050: \$7	7,640.00

Group 0051: Other Traffic Control Costs

Estimate: Alt I OH cont 3 Line # Item Number 0 Description 0 Supplemental Description	Quantity	<u>Units</u>	PB <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
0208 J-OC-TRAF	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC CONTROL Group 0052: Signals - Intersections	2		Total for Group 0051	: \$0.00
0212 K-MC-SGNL		EACH	\$175,000.00000	\$700,000.00
MAJOR COST DRIVERS, SIGNALS			Total for Group 0052: \$700),000.00
Group 0053: Other Traffic Signal C		10	* 0.0000	* 0.00
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
			Total for Group 0053	3: \$0.00
Group 0054: Landscaping				
0214 L-MC-LSCP MAJOR COST DRIVERS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
0215 L-OC-LSCP OTHER COSTS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
			Total for Group 0054	: \$0.00
Group 0055: Retaining Walls \$125	+ \$10/	ft for ca	aps, barriers and testing	
0216 M-MC-WALL	1.00		\$0.00000	\$0.00
	LLS 3,583.00	SF	\$135.00000	\$5,208,705.00
Retaining Walls			Total for Group 0055: \$5,208	3,705.00
Croup 0056: Other Betaining Wall	Conto		•	
Group 0056: Other Retaining Wall	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, RETAINING WALLS			Total for Group 0056	\$0.00
				. ψ0.00
Group 0057: Building Demolition	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, BUILDING DEM	OLITION		·	
OTHER COSTS, BUILDING DEMOLITION	1.00	LS	\$0.00000	\$0.00
0532 202E98100 REMOVAL MISC.:	0.00	EACH	\$8,500.00000	\$0.00
Radio Tower 0533 202E56101	0.00	EACH	\$7,500.00000	\$0.00
BUILDING DEMOLISHED, AS PER PLAN Small Residential				
0534 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Residential	0.00		\$12,000.00000	\$0.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Commercial	0.00		\$15,000.00000	\$0.00
0536 202E56101 8:11:07AM	0.00	EACH	\$30,000.00000	\$0.00

8:11:07AM Wednesday, December 01, 2010

Estimate: Alt I OH cont 3 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	Quantity	<u>Units</u>	F <u>Unit Price</u>	B Americas, Inc. <u>Extension</u>
BUILDING DEMOLISHED, AS PER PLAN Large Commercial				
Large Commercial			Total for Group 005	7: \$0.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR	1.00	LS	\$0.00000	\$0.00
	R 3,370.00	SF	\$25.00000	\$334,250.00
Noise Barrier			Total for Group 0058: \$33	4,250.00
Croup 0050: Other Maine Parrier C	aata		· · ·	,
Group 0059: Other Noise Barrier C 0221 P-OC-NSBR	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, NOISE BARRIER 0368 P-MC-NSBR	0.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIEI				
			Total for Group 005	9. 40.00
Group 0060: New Structures				
0222 R-MC-STRC MAJOR COST DRIVERS, STRUCTURES	1.00	LS	\$0.00000	\$0.00
0506 R-MC-STRC 5 Tier 1 Structures to 25' Height	7,283.00	SF	\$125.00000	\$7,160,375.00
	2,637.00 x	SF	\$12.00000	\$31,644.00
	8,124.00		\$17.00000	\$478,108.00
0509 R-MC-STRC	0.00	SF	\$30.00000	\$0.00
Removal of Existing Structures complex to 0513 R-MC-STRC Tier 2 Structures 25' to 50' Height	0.00		\$150.00000	\$0.00
0516 R-MC-STRC	0.00	SF	\$200.00000	\$0.00
Tier 3 Structures 50' to 75' Height			Total for Group 0060: \$7,67	0,127.00
Group 0061: Rehabilitated Structur	20			
0223 R-MC-STRC	0.00	SF	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES			Total for Group 006	51: \$0.00
			· · · · · · · · · · · · · · · · · · ·	+ - - - -
Group 0062: Other Structure Costs 0224 R-OC-STRC	6 0.00	19	\$0.00000	\$0.00
OTHER COSTS, STRUCTURES	0.00	13	φ0.00000	φ0.00
Contingency			Total for Group 006	2: \$0.00
Group 0063: Temporary Road and	Pavor	nent Coste		
0225 S-MC-MNTC	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE				
8:11:07AM				

Estimate: Alt I OH cont 3 Line # Item Number Quantity Units Description Supplemental Description Supplemental Description	PB A <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
	Total for Group 0063:	\$0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0064:	\$0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0066:	\$0.00
Group 0067: Temporary Signals		
0230 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
,	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS OTHER COSTS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
0512 S-OC-MNTC 0.94 MILE OTHER COSTS, MAINTENANCE OF TRAFFIC	\$500,000.00000	\$470,000.00
	Total for Group 0070: \$470,	000.00
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt I OH cont 3				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELL	0.00 ANEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOUS	0.00		\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILROA LIABILITY INSURANCE	0.00		\$10,000.00000 IC LIABILITY AND PROPERT	\$0.00 Y DAMAGE
0238 623E10000 CONSTRUCTION LAYOUT STAKES 0.5%	1.00 S	LS	\$86,831.97000	\$86,831.97
0239 614E11000 MAINTAINING TRAFFIC 5%	1.00	LS	\$347,327.88000	\$347,327.88
0240 619E16020 FIELD OFFICE, TYPE C	32.00	MNTH	\$2,500.00000	\$80,000.00
0242 624E10000 MOBILIZATION	1.00	LS	\$400,000.00000	\$400,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERF 0.5%	1.00 ORMANCE BON		\$86,831.97000 OR PAYMENT BOND	\$86,831.97
			Total for Group	0072: \$1,000,991.82
Group 0073: Design Continge	ncy Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTING 25%	1.00 GENCY COSTS	LS	\$4,591,846.46000	\$4,591,846.46
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY C	1.00 COSTS	LS	\$0.00000	\$0.00
o men doord, continuend to			Total for Group	0073: \$4,591,846.46
Group 0074: Inflation Conting	ency			
0266 V-OC-CNTG OTHER COSTS, CONTINGENCY C	0.00 OSTS	LS	\$0.00000	\$0.00
,			Total fo	or Group 0074: \$0.00

PID	89065	County	HAM	Route	75	Section	1.15	This R/W Acquisition cost estimate
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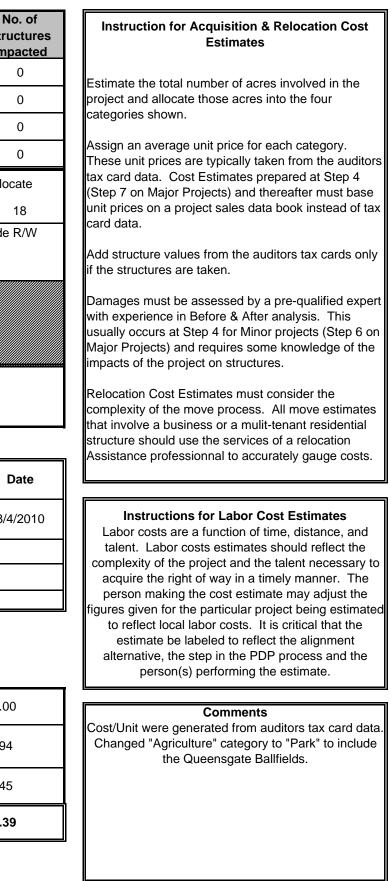
Macro View												At	tributes		
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	=	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No Strue Impa
-Residential	0.01	Х	\$101,498.99	\$1,015	+	0	+	N/A	\$0.00	=	\$1,014.99	1	0	1	
-Commercial	0.01	Х	\$91,923.04	\$919	+	0	+	N/A	\$0.00	=	\$919.23	2	0	2	
-Industrial	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
-Park	0.28	Х	\$955.66	\$268	+	0	+	N/A	\$0.00	=	\$267.58	1	0	1	
Relocation	Unit (Displacement)	x	*RHF	P/*RSP	+	Move Cost	+	+ Reestablishment = Total Non Labor RAP Costs		Estima	te amount of tim all RAP parcel	-			
-Residential Owner Occupant Tenant	0	x x		4,000 0,000	+++	\$6,000 \$1,750				=	\$0 \$0		e number of year uisition begins =		ct wide F 1.75
-Commerical/Farm/NPO Owner Tenant	0 0				x x	\$15,000 \$15,000	++	\$10, \$10,		=	\$0 \$0				
-Personal Property	0				Х	\$1,000				=	\$0				
{[(Total Cost of Acquisition Cost	{[(Total Cost of Acquisition Cost)x0.90]x0.025}+{[(Total of Acquisition Cost)x0.15]x1.20}+{[(Total of Acquisition Cost)x0.10]x1.50} = Contingency			Contingency (Incidentals, Admin. Review & Appropriation) 776.1362978			776.1362978		placement Hous nt Supplemental						
								Total Non Lab	or R/W Costs		\$2,977.94		on-Profit Organiza	-	

Macro View					
Labor (External)	Unit (Parcels)	Х	Unit Price	=	Total Cost
Titles	4	Х	\$400	=	\$1,600
Appraisal -Simple	0	x	\$750	=	\$0
-Detailed	4	х	\$4,500	=	\$18,000
Appraisal Review					
-Simple	0	Х	\$500	=	\$0
-Detailed	4	Х	\$2,000	=	\$8,000
Negotiations	4	Х	\$1,100	=	\$4,400
Relocations					
-Personal Property	0	Х	\$1,500	=	\$0
-Residential	0	Х	\$5,200	=	\$0
-Commercial/Farm/*NPO	0	Х	\$5,600	=	\$0
Closings	4	Х	\$400	=	\$1,600
Project Management	4	Х	\$550	=	\$2,200
Asbestos Testing & Abatement		Х		=	
		\$35,800			
*NPO = Non-Profit Organization					

This R/W Cost Estimate Prepared by						
Chris Clemons						
This R/W Cost Estimate was performed at Step						
of the PDP for	MAJOR	Projects using				
		•		6		

Total Labor Costs	\$35,800.00
Total Non Labor R/W Costs	\$2,977.94
Inflation Adjustments	\$2,365.45
Total R/W Costs	\$41,143.39

P.D.P. R/W Cost Estimator



Estimate Alt I OH cont 4

Estimated Cost: \$29,959,628.59 Contingency: 32.90% Estimated Total: \$39,816,346.40 OH-4 Seventh St, Eigth St, Ninth St Base Date: 07/22/10 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: 8 Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt I OH cont 4			Р	B Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
Group 0001: Pavement Remova	l			
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	7,488.00	SY	\$8.00000	\$59,904.00
			Total for Group 0001: \$5	9,904.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$30.00000	\$0.00
			Total for Group 000	2: \$0.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0344 203E10000	45,208.00	CY	\$8.00000	\$361,664.00
EXCAVATION			Total for Group 0003: \$36	1.664.00
				.,
Group 0004: Excavation - Hazar	dous 1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY	1.00	LO		
			Total for Group 000	4: \$0.00
Group 0005: Fill - Embankment	(includes	wasting e	excess excavation)	
0007 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0345 203E20000 EMBANKMENT	45,208.00	CY	\$6.00000	\$271,248.00
			Total for Group 0005: \$27	1,248.00
Group 0006: Fill - Lime Modified	Soil			
0010 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0346 205E10050 LIME STABILIZED EMBANKMENT	0.00	CY	\$7.00000	\$0.00
0347 205E10300	0.00	TON	\$5.00000	\$0.00
LIME			Total for Group 000	6: \$0.00
Group 0007: Fill Borrow				
Group 0007: Fill - Borrow	0.00	СҮ	\$8.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 000	
				ι. ψυ.υυ
Group 0008: Concrete Barrier		1.0	A C 22222	<i>*</i>
0012 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00		\$0.00000	\$0.00
0465 622E10060 8:11:35AM	0.00	FT	\$110.00000	\$0.00
Wednesday, December 01, 2010				Page 2 of 12

Estimate: Alt I OH cont 4			PB A	mericas, Inc.
	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE,	TYPE B			
			Total for Group 0008:	\$0.00
Group 0009: Subgrade Treatment	- Lime			
0014 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0348 206E10000	0.00	SY	\$1.85000	\$0.00
LIME STABILIZED SUBGRADE 0349 206E10300	0.00	TON	\$10.00000	\$0.00
LIME 0350 206E11000	0.00	SY	\$1.00000	\$0.00
CURING COAT				
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
			Total for Group 0009:	\$0.00
Group 0010: Subgrade Treatment	- Ceme	ent		
0016 A-MC-RDWY 1	7,679.00		\$2.50000	\$44,197.50
MAJOR COST DRIVERS, ROADWAY			Total for Group 0010: \$44,	197.50
			•	
Group 0011: Subgrade Treatment				\$2.00
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
			Total for Group 0011:	\$0.00
Group 0012: Other Roadway Cost	S			
0019 A-OC-RDWY	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, ROADWAY Contingency				
0020 201E11000 CLEARING AND GRUBBING	0.00	LS	\$856,500.00000	\$0.00
0021 201E21800 TREE REMOVED, 18" SIZE	0.00	EACH	\$250.00000	\$0.00
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800	0.00	EACH	\$772.00000	\$0.00
TREE REMOVED, 48" SIZE 0026 202E11000	0.00	LS	\$9,310.13000	\$0.00
STRUCTURE REMOVED 0028 202E35200	0.00	FT	\$0.00000	\$0.00
PIPE REMOVED, OVER 24" 0029 202E38000	0.00	FT	\$0.00000	\$0.00
GUARDRAIL REMOVED 0030 202E42206	0.00	EACH	\$0.00000	\$0.00
ANCHOR ASSEMBLY REMOVED				
0031 202E58000 MANHOLE REMOVED	0.00	EACH	\$0.00000	\$0.00
0032 202E58100 CATCH BASIN REMOVED	0.00	EACH	\$0.00000	\$0.00
0033 202E75000 FENCE REMOVED	0.00	FT	\$0.00000	\$0.00
0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

Estimate: Alt I OH cont 4			PB /	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
PROOF ROLLING				
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF JOIN	0.00	FT	\$0.00000	\$0.00
0037 606E13000 GUARDRAIL, TYPE 5	0.00	FT	\$14.00000	\$0.00
0038 606E22000 ANCHOR ASSEMBLY, TYPE B-98	0.00	EACH	\$1,411.29597	\$0.00
0039 606E22010	0.00	EACH	\$1,712.52574	\$0.00
ANCHOR ASSEMBLY, TYPE E-98 0040 606E26500 ANCHOR ASSEMBLY, TYPE T	0.00	EACH	\$487.23435	\$0.00
0041 606E35000 BRIDGE TERMINAL ASSEMBLY, TY	0.00	EACH	\$969.12750	\$0.00
0042 606E35100 BRIDGE TERMINAL ASSEMBLY, TY	0.00	EACH	\$338.36354	\$0.00
0043 606E60010 IMPACT ATTENUATOR, TYPE 1-98	0.00	EACH AL)	\$3,439.05897	\$0.00
0044 607E15000 FENCE, TYPE 47 For Fencing	0.00		\$0.00000	\$0.00
0423 304E20000 AGGREGATE BASE For Fencing	0.00	CY	\$0.00000	\$0.00
0424 601E32100 ROCK CHANNEL PROTECTION, TY For Fencing	0.00 PE B WITH FIL		\$0.00000	\$0.00
0425 607E40500 GATE, TYPE 47 For Fencing	0.00	EACH	\$731.31641	\$0.00
0426 625E32000 GROUND ROD For Fencing	0.00	EACH	\$0.00000	\$0.00
0466	0.00		\$0.00000	\$0.00
			Total for Group 0012:	\$0.00
Group 0014: Seeding & Mulchi	na / Soddir	na		
0045 B-MC-ERCO	1.00	0	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSION 0467 659E10000	CONTROL 5,080.00	SY	\$1.00000	\$5,080.00
SEEDING AND MULCHING 0531 660E25000	0.00	SY	\$15.00000	\$0.00
SODDING STAKED			Total for Group 0014: \$5,	080.00
Group 0015: Rock Channel Pro	otection			
0047 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSION 0469 601E32000	0.00	CY	\$75.00000	\$0.00
ROCK CHANNEL PROTECTION, TY	PE A WITH FIL	TER	Total for Group 0015:	\$0.00
Group 0016: Erosion Control -	ltem 832		•	
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
8:11:35AM	1.00	20	ψυ.υυυυ	φ0.00
Wednesday, December 01, 2010				Page 4 of 12

Estimate: Alt I OH cont 4			PB	Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
MAJOR COST DRIVERS, EROSION CO		1.0	A 50,000,00000	#5 0,000,000
0470 832E10000 STORM WATER POLLUTION PREVEN			\$50,000.00000	\$50,000.00
0471 832E20000 EROSION CONTROL	24,000.00	EACH	\$1.00000	\$24,000.00
			Total for Group 0016: \$74	,000.00
Group 0017: Other Erosion Cont	rol Costs			
0049 670E00700	0.00	SY	\$0.00000	\$0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, EROSION CONTROL 0051 659E00100	0.00	EACH	\$0.00000	\$0.00
SOIL ANALYSIS TEST 0052 659E00300	0.00	CY	\$0.00000	\$0.00
TOPSOIL 0053 659E14000	0.00	SY	\$0.00000	\$0.00
REPAIR SEEDING AND MULCHING 0054 659E15000	0.00	SY	\$0.71000	\$0.00
INTER-SEEDING 0055 659E20000	0.00	TON	\$410.06813	\$0.00
COMMERCIAL FERTILIZER 0056 659E31000		ACRE	\$0.00000	\$0.00
LIME 0057 659E35000	0.00	MGAL	\$5.00000	\$0.00
WATER			·	
0058 659E40000 MOWING	0.00	MSF	\$0.00000	\$0.00
			Total for Group 0017	: \$0.00
Group 0018: Underdrains				
0059 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0062 605E05100 4" SHALLOW PIPE UNDERDRAINS	11,272.00	FT	\$8.00000	\$90,176.00
4 SHALLOW FIFE UNDERDRAINS			Total for Group 0018: \$90	,176.00
Group 0019: Culverts - Type A: <	- 5'			
0474 C-MC-DRNG	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0480 C-MC-DRNG	0.00	FT	\$350.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete P				·
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE		EACH	\$1,500.00000	\$0.00
Concrete Masonry				. <u>¢0</u> .00
			Total for Group 0019	: \$0.00
Group 0021: Culverts, Type A: 5	' - 10'			
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000	\$0.00
8:11:35AM Wednesday, December 01, 2010				Page 5 of 12

Estimate: Alt I OH cont 4				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Pipe Structures - Reinforced Concrete 5'	-10' 66" to	78"		
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls	0.00	EACH	\$1,500.00000	\$0.00
			Total for Group 00	021: \$0.00
Group 0022: Culverts, Type A: 10)' - 20'			
0486 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0487 C-MC-DRNG	0.00	FT	\$1,400.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete Pi	ipe 10'-20'			
0488 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for Group 00)22: \$0.00
				+
Group 0024: BMP's	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE	1.00	LS	·	
			Total for Group 00)24: \$0.00
Group 0025: Closed Storm Syste	m			
0077 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0489 603E13400 30" CONDUIT, TYPE B (Average size)	221.00	FT	\$75.00000	\$16,575.00
0523 604E00800	12.00	EACH	\$1,500.00000	\$18,000.00
CATCH BASIN, NO. 3A 0524 604E31500	0.00	EACH	\$3,000.00000	\$0.00
MANHOLE, NO. 3 0525 604E36601		EACH	\$1,250.00000	\$0.00
PRECAST REINFORCED CONCRETE C 0526 Special	OUTLET, AS 0.00		\$6,400,000.00000	\$0.00
Pump Station (Storm) 0527 Special	0.00	EACH	\$5,750.00000	\$0.00
Stormceptors 0529 Special	0.00	LS	\$109,000.00000	\$0.00
Retention basin improvements			Total for Group 0025:	34 575 00
			10tal 101 Group 0025. 3	5,575.00
Group 0026: Other Drainage Cos	sts			
0078 C-OC-DRNG OTHER COSTS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group 00)26: \$0.00
Group 0027: Mainline - Travel La	nes			
0095 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0494 D-MC-PVMT	0.00	SY	\$68.00000	\$0.00
13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Con	npaction			
8:11:35AM Wednesday, December 01, 2010				Page 6 of 12

Estimate: Alt I OH cont 4			PE	3 Americas, Inc.
<u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
<u></u>			Total for Group 0027	7: \$0.00
Group 0028: Mainline - Outside S	Shoulder			
0100 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0495 D-MC-PVMT	0.00	SY	\$68.00000	\$0.00
13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Col	mpaction			
			Total for Group 0028	3: \$0.00
Group 0030: Mainline - Inside Sh	noulder			
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement	0.00	SY	\$68.00000	\$0.00
Includes 6" Agg base and Subgrade Col	mpaction			• • • • •
			Total for Group 0030): \$0.00
Group 0031: Ramps (including s	houlders))		
0122 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0497 D-MC-PVMT 13" Reinforced Concrete Pavement	3,607.00	SY	\$68.00000	\$245,276.00
Includes 6" Agg base and Subgrade Col	mpaction			
			Total for Group 0031: \$245	b,276.00
Group 0032: Non - Mainline Lane	es			
0132 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0498 D-MC-PVMT Asphalt	14,072.00	SY	\$41.00000	\$576,952.00
Includes 3" 448, 9" 301, 6" Agg base and	d Subgrade (Compaction		
			Total for Group 0032: \$576	6,952.00
Group 0041: Other Pavement Co	osts			
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
			Total for Group 0041	1: \$0.00
Group 0042: Water Works				
0164 E-MC-WATR	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, WATER LINE 0165 E-OC-WATR	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, WATER LINE			Total for Group 0042	
				ψυ.υυ
Group 0043: Sanitary Line			A C 22222	A
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY S	0.00 EWER	LS	\$0.00000	\$0.00
8:11:35AM				
Wednesday, December 01, 2010				Page 7 of 12

Estimate: Alt I OH cont 4 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	PE <u>Unit Price</u>	3 Americas, Inc. <u>Extension</u>
			Total for Group 0043	3: \$0.00
Group 0044: Lighting - Full Interch	ange			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	EACH	\$469,000.00000	\$0.00
			Total for Group 0044	4: \$0.00
Group 0045: Lighting - Partial Inte	rchange	Э		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0045	5: \$0.00
Group 0046: Lighting - Continuous	s Roadv	vav		
0176 G-MC-LTNG	1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING 0500 G-MC-LTNG	5,299.00	FT	\$35.00000	\$185,465.00
Lighting - Continuous			Total for Group 0046: \$185	5,465.00
Group 0047: Other Lighting Costs				
0177 G-OC-LTNG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, LIGHTING			Total for Group 0047	7: \$0.00
Group 0048: Traffic Surveillance				
0178 H-OC-SURV	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC SURVEILLAN	CE		Total for Group 0048	3: \$0.00
Crown 0040: Ciana				• • • • •
Group 0049: Signs 0179 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CON 0501 J-MC-TRAF		MILE	\$250,000.00000	\$250,000.00
Signs			Total for Group 0049: \$250	
				,000.00
Group 0050: Pavement Marking 0200 J-MC-TRAF	1.00	10	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CON	TROL		·	
0502 644E00100 EDGE LINE	2.20	MILE	\$3,000.00000	\$6,600.00
0503 644E00200 LANE LINE	0.95	MILE	\$2,000.00000	\$1,900.00
			Total for Group 0050: \$8	3,500.00

Group 0051: Other Traffic Control Costs

Estimate: Alt I OH cont 4 Line # Item Number 0 Description 0 Supplemental Description	Quantity	<u>Units</u>	PB A <u>Unit Price</u>	mericas, Inc. <u>Extension</u>
0208 J-OC-TRAF	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC CONTROL			Total for Group 0051:	\$0.00
Group 0052: Signals - Intersections 0212 K-MC-SGNL MAJOR COST DRIVERS, SIGNALS	S 1.00	LS	\$0.00000 Total for Group 0052:	\$0.00 \$0.00
Group 0053: Other Traffic Signal C	osts			
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
			Total for Group 0053:	\$0.00
Group 0054: Landscaping				
0214 L-MC-LSCP	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, LANDSCAPING 0215 L-OC-LSCP	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, LANDSCAPING			Total for Group 0054:	\$0.00
Group 0055: Retaining Walls \$125	+ \$10/	ft for ca	ins barriers and testing	
0216 M-MC-WALL	1.00		\$0.00000	\$0.00
	LLS 8,939.00	SF	\$135.00000 \$	2,556,765.00
Retaining Walls			Total for Group 0055: \$2,556,7	765.00
Group 0056: Other Retaining Wall 0217 M-OC-WALL OTHER COSTS, RETAINING WALLS	Costs 1.00	LS	\$0.00000 Total for Group 0056:	\$0.00
Group 0057: Building Demolition				
0218 N-MC-DEMO MAJOR COST DRIVERS, BUILDING DEMO	1.00 OLITION	LS	\$0.00000	\$0.00
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITION	1.00	LS	\$0.00000	\$0.00
0532 202E98100 REMOVAL MISC.: Radio Tower	0.00	EACH	\$8,500.00000	\$0.00
0533 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Commercial	0.00	EACH	\$30,000.00000	\$0.00
0534 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Commercial	1.00	EACH	\$15,000.00000	\$15,000.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Residential	0.00	EACH	\$12,000.00000	\$0.00
0536 202E56101 8:11:35AM	0.00	EACH	\$7,500.00000	\$0.00

Estimate: Alt I OH cont 4	Quentitu	11:40	Unit Dring	PB Americas, Inc.
<u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
BUILDING DEMOLISHED, AS PER PLAN Small Residential	l			
			Total for Group 0057:	\$15,000.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIE	1.00 ER	LS	\$0.00000	\$0.00
0505 P-MC-NSBR Noise Barrier	0.00	LS	\$400.00000	\$0.00
			Total for Group	0058: \$0.00
Group 0059: Other Noise Barrier (Costs			
0221 P-OC-NSBR OTHER COSTS, NOISE BARRIER	1.00	LS	\$0.00000	\$0.00
0368 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIE	0.00 -R	LS	\$0.00000	\$0.00
	_1\		Total for Group	0059: \$0.00
Group 0060: New Structures				
0222 R-MC-STRC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES 0506 R-MC-STRC	0.00	SF	\$125.00000	\$0.00
Tier 1 Structures to 25' Height 0507 R-MC-STRC Borowal of Existing Structures per compl	0.00	SF	\$12.00000	\$0.00
	85,729.00		\$17.00000	\$1,457,393.00
Standard Removal of Existing Structures a 0509 R-MC-STRC Beneval of Existing Structures complex to	0.00	SF	\$30.00000	\$0.00
Removal of Existing Structures complex to 0513 R-MC-STRC 1 Tier 2 Structures 25' to 50' Height	04,527.00		\$150.00000	\$15,679,050.00
0516 R-MC-STRC Tier 3 Structures 50' to 75' Height	0.00	SF	\$200.00000	\$0.00
The o diructures of to 75 Theight			Total for Group 0060: \$17	7,136,443.00
Group 0061: Rehabilitated Structu	ires			
0223 R-MC-STRC	0.00	SF	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES	1		Total for Group	0061: \$0.00
Group 0062: Other Structure Cost	S			
0224 R-OC-STRC	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, STRUCTURES Contingency				
			Total for Group	0062: \$0.00
Group 0063: Temporary Road and			3	
0225 S-MC-MNTC MAJOR COST DRIVERS, MAINTENANC	1.00 E OF TRAF		\$0.00000	\$0.00
- · · ·				

Estimate: Alt I OH cont 4	PB /	Americas, Inc.
Line # Item Number Quantity Units Description	<u>Unit Price</u>	Extension
Supplemental Description		
	Total for Group 0063:	\$0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0064:	\$0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0065:	\$0.00
Croup ODEE: Shooting	, i	·
Group 0066: Sheeting 0229 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0066:	\$0.00
		~ • • • • •
Group 0067: Temporary Signals 0230 S-MC-MNTC 0.00 LS	\$0.00000	<u>م</u>
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC		\$0.00
	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS OTHER COSTS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
0512 S-OC-MNTC 1.00 MILE OTHER COSTS, MAINTENANCE OF TRAFFIC	\$500,000.00000	\$500,000.00
	Total for Group 0070: \$500,	000.00
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, WETLAND CONSTRUCTION 0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
WASON COST DRIVENS, WE TEAMD CONSTRUCTION	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt I OH cont 4				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELI	0.00 ANEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOUS	0.00		\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILRO/ LIABILITY INSURANCE	0.00		\$10,000.00000 IC LIABILITY AND PROPERT	Y DAMAGE
0238 623E10000 CONSTRUCTION LAYOUT STAKE 0.5%	1.00 S	LS	\$112,076.23000	\$112,076.23
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$448,304.91000	\$448,304.91
0240 619E16020 FIELD OFFICE, TYPE C	32.00	MNTH	\$2,500.00000	\$80,000.00
0242 624E10000 MOBILIZATION	1.00	LS	\$800,000.00000	\$800,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERF 0.5%	1.00 ORMANCE BON		\$112,076.23000 FOR PAYMENT BOND	\$112,076.23
			Total for Group	0072: \$1,552,457.37
Group 0073: Design Continge	ency Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTING 25%	1.00 GENCY COSTS	LS	\$5,991,925.72000	\$5,991,925.72
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY (1.00 COSTS	LS	\$0.00000	\$0.00
,, _,			Total for Group	0073: \$5,991,925.72
Group 0074: Inflation Conting	ency			
0266 V-OC-CNTG OTHER COSTS, CONTINGENCY (0.00 COSTS	LS	\$0.00000	\$0.00
			Total fo	or Group 0074: \$0.00

PID	89067	County	HAM	Route	75	Section	0.63	This R/W Acquisition cost estimate
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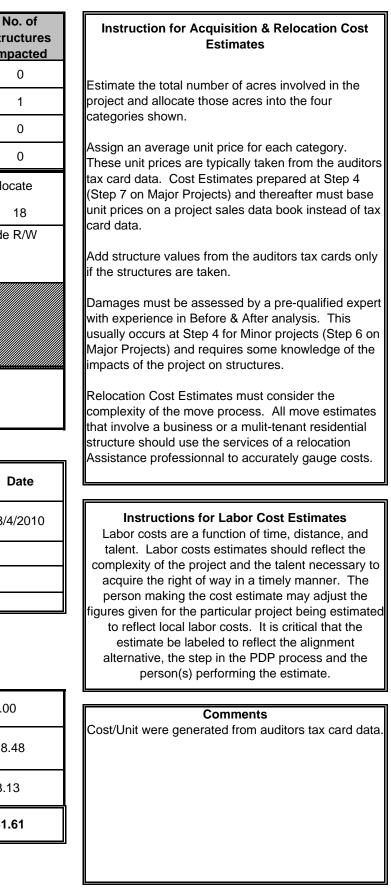
Macro View												At	tributes		
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	=	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No Strue Impa
-Residential	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
-Commercial	0.49	Х	\$457,603.80	\$224,226	+	2933200	+	N/A	\$2,933,200.00	=	\$3,157,425.86	3	0	3	
-Industrial	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
-Agricultural	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
Relocation	Unit (Displacement)	x	*RHF	9/*RSP	+	Move Cost	+	Reestabl	ishment	=	Total Non Labor RAP Costs	Estima	te amount of tim all RAP parcel	-	
-Residential Owner Occupant Tenant	0	x x		4,000 0,000	+++	\$6,000 \$1,750				=	\$0 \$0		e number of year uisition begins =		ct wide I 1.75
-Commerical/Farm/NPO Owner Tenant	0 0				x x	\$15,000 \$15,000	++	\$10, \$10,		=	\$0 \$0				
-Personal Property	0				Х	\$1,000				=	\$0				
{[(Total Cost of Acquisition Cost)x0.90]x0.025}+{[(Total o Cost)x0.10]x1.50			15]x1.20}+{[(Total	of Ac	quisition		Contin (Incidentals, Admin. Re		on)	1112992.616		placement Hous nt Supplemental	• •	t
								Total Non Lab	or R/W Costs		\$4,270,418.48		on-Profit Organiza	•	

Macro View					
Labor (External)	Unit (Parcels)	X	Unit Price	=	Total Cost
Titles	3	Х	\$400	=	\$1,200
Appraisal -Simple	1	x	\$750	=	\$750
-Detailed	2	х	\$4,500	=	\$9,000
Appraisal Review					
-Simple	1	Х	\$500	=	\$500
-Detailed	2	х	\$2,000	=	\$4,000
Negotiations	3	Х	\$1,100	=	\$3,300
Relocations					
-Personal Property	0	Х	\$1,500	=	\$0
-Residential	0	Х	\$5,200	=	\$0
-Commercial/Farm/*NPO	0	Х	\$5,600	=	\$0
Closings	3	Х	\$400	=	\$1,200
Project Management	3	Х	\$550	=	\$1,650
Asbestos Testing & Abatement		Х		=	
		\$21,600			
*NPO = Non-Profit Organization					

This R/W Cost Estimate Prepared by					
Chris Clemons					
This R/W Cost Esti	mate was pe	rformed at Step		6	
of the PDP for	MAJOR	Projects using			
		-			

Total Labor Costs	\$21,600.00
Total Non Labor R/W Costs	\$4,270,418.
Inflation Adjustments	\$261,813.1
Total R/W Costs	\$4,553,831.

P.D.P. R/W Cost Estimator



Estimate Alt I OH cont 5

Estimated Cost: \$84,839,975.26 Contingency: 51.30% Estimated Total: \$128,362,882.57

Reconstruct I-75 from Findlay to the northern terminus of the corridor Base Date: 07/22/10 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: 8 Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt I OH cont 5				PB Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
Supplemental Description	_			
Group 0001: Pavement Remova	al 0.00	LS	\$0.00000	00.02
MAJOR COST DRIVERS, ROADWAY				\$0.00
0343 202E23000 PAVEMENT REMOVED	104,667.00	SY	\$8.00000	\$837,336.00
			Total for Group 0001:	\$837,336.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$30.00000	\$0.00
			Total for Group	0002: \$0.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0344 203E10000	77,557.00	CY	\$8.00000	\$620,456.00
EXCAVATION			Total for Group 0003:	\$620,456.00
Croup 0004: Execution Hoza	rdouo			
Group 0004: Excavation - Haza	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group	0004 \$0.00
				0004. ψ0.00
Group 0005: Fill - Embankment	•	U	,	\$ 0.00
0007 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0345 203E20000 EMBANKMENT	117,928.00	CY	\$6.00000	\$707,568.00
			Total for Group 0005:	\$707,568.00
Group 0006: Fill - Lime Modified	l Soil			
0010 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0346 205E10050 LIME STABILIZED EMBANKMENT	0.00	СҮ	\$7.00000	\$0.00
0347 205E10300 LIME	0.00	TON	\$5.00000	\$0.00
			Total for Group	0006: \$0.00
Group 0007: Fill - Borrow				
0011 A-MC-RDWY	40,371.00	CY	\$8.00000	\$322,968.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0007:	\$322.968.00
Group 0008: Concrete Barrier	1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY	17,612.00		\$110.00000	
0465 622E10060 8:13:44AM	17,012.00	1-1	φττυ.υυυυυ	\$1,937,320.00
Wednesday, December 01, 2010				Page 2 of 12

Estimate: Alt I OH cont 5				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE,	TYPE B			
			Total for Group 0008: \$	1,937,320.00
Group 0009: Subgrade Treatment	t - Lime			
0014 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
			Total for Group	0009: \$0.00
Group 0010: Subgrade Treatment	t - Ceme	nt		
	36,698.00		\$2.50000	\$341,745.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0010:	\$341 745 00
				¢e i i,i ieiee
Group 0011: Subgrade Treatment				\$ 0.00
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
			Total for Group	0011: \$0.00
Group 0012: Other Roadway Cos	ts			
0019 A-OC-RDWY OTHER COSTS, ROADWAY	0.00	LS	\$0.00000	\$0.00
Contingency 0020 201E11000	0.00	15	\$856,500.00000	\$0.00
CLEARING AND GRUBBING				
0021 201E21800 TREE REMOVED, 18" SIZE	0.00	EACH	\$250.00000	\$0.00
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0028 202E35200 PIPE REMOVED, OVER 24"	0.00	FT	\$0.00000	\$0.00
0029 202E38000 GUARDRAIL REMOVED	0.00	FT	\$0.00000	\$0.00
0030 202E42206 ANCHOR ASSEMBLY REMOVED	0.00	EACH	\$0.00000	\$0.00
0031 202E58000 MANHOLE REMOVED	0.00	EACH	\$0.00000	\$0.00
0032 202E58100 CATCH BASIN REMOVED	0.00	EACH	\$0.00000	\$0.00
0033 202E75000 FENCE REMOVED	0.00	FT	\$0.00000	\$0.00
0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

Estimate: Alt I OH cont 5				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
PROOF ROLLING				
0035 204E10000	0.00	SY	\$0.81000	\$0.00
SUBGRADE COMPACTION 0036 451E30000	0.00	FT	\$0.00000	\$0.00
SPECIAL - PRESSURE RELIEF J 0037 606E13000	3,295.00	FT	\$14.00000	\$46,130.00
GUARDRAIL, TYPE 5 0038 606E22000	0.00	EACH	\$1,411.29597	\$0.00
ANCHOR ASSEMBLY, TYPE B-98 0039 606E22010	3 0.00	EACH	\$1,712.52574	\$0.00
ANCHOR ASSEMBLY, TYPE E-98 0040 606E26500	3 0.00	EACH	\$487.23435	\$0.00
ANCHOR ASSEMBLY, TYPE T 0041 606E35000	0.00	EACH	\$969.12750	\$0.00
BRIDGE TERMINAL ASSEMBLY, 0042 606E35100		EACH		\$0.00
BRIDGE TERMINAL ASSEMBLY,	TYPE 2		\$338.36354	
0043 606E60010 IMPACT ATTENUATOR, TYPE 1-3		EACH AL)	\$3,439.05897	\$0.00
0044 607E15000 FENCE, TYPE 47	0.00	FT	\$0.00000	\$0.00
For Fencing 0423 304E20000 AGGREGATE BASE	0.00	CY	\$0.00000	\$0.00
For Fencing 0424 601E32100 ROCK CHANNEL PROTECTION,	0.00 TYPE B WITH FIL		\$0.00000	\$0.00
For Fencing 0425 607E40500 GATE, TYPE 47	0.00	EACH	\$731.31641	\$0.00
For Fencing 0426 625E32000 GROUND ROD	0.00	EACH	\$0.00000	\$0.00
For Fencing 0466	0.00		\$0.00000	\$0.00
			Total for Gro	oup 0012: \$46,130.00
Group 0014: Seeding & Mulo	china / Soddir	na		
0045 B-MC-ERCO	1.00	•	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSIO 0467 659E10000	0.00	SY	\$1.00000	\$0.00
SEEDING AND MULCHING 0531 660E25000	0.00	SY	\$15.00000	\$0.00
SODDING STAKED			Total fo	or Group 0014: \$0.00
	_			
Group 0015: Rock Channel F		10	¢0,0000	¢0.00
0047 B-MC-ERCO MAJOR COST DRIVERS, EROSIO		LS	\$0.00000	\$0.00
0469 601E32000 ROCK CHANNEL PROTECTION,	0.00 TYPE A WITH FIL	-	\$75.00000	\$0.00
			Total fo	or Group 0015: \$0.00
Group 0016: Erosion Control	l - Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
8:13:44AM Wednesday, December 01, 2010				Page 4 of 12
				-

Estimate: Alt I OH cont 5 Line # Item Number	Quantity	Unite	Unit Price	PB Americas, Inc. Extension
<u>Description</u> <u>Supplemental Description</u>	<u>wuantity</u>	011113	Unit Price	
MAJOR COST DRIVERS, EROSION CC				
0470 832E10000 STORM WATER POLLUTION PREVEN	1.00 TION PLAN	LS	\$50,000.00000	\$50,000.00
0471 832E20000 EROSION CONTROL	35,000.00	EACH	\$1.00000	\$35,000.00
			Total for Gro	up 0016: \$85,000.00
Group 0017: Other Erosion Contr	rol Costs			
0049 670E00700	0.00	SY	\$0.00000	\$0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, EROSION CONTROL 0051 659E00100		EACH	\$0.00000	\$0.00
SOIL ANALYSIS TEST			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
0052 659E00300 TOPSOIL	0.00		\$0.00000	\$0.00
0053 659E14000 REPAIR SEEDING AND MULCHING	0.00	SY	\$0.00000	\$0.00
0054 659E15000 INTER-SEEDING	0.00	SY	\$0.71000	\$0.00
0055 659E20000 COMMERCIAL FERTILIZER	0.00	TON	\$410.06813	\$0.00
0056 659E31000 LIME	0.00	ACRE	\$0.00000	\$0.00
0057 659E35000 WATER	0.00	MGAL	\$5.00000	\$0.00
0058 659E40000	0.00	MSF	\$0.00000	\$0.00
MOWING			Total fo	r Group 0017: \$0.00
Group 0018: Underdrains 0059 C-MC-DRNG	1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			· · · · · · · · · · · · · · · · · · ·	
0062 605E05100 4" SHALLOW PIPE UNDERDRAINS	63,704.00	FI	\$8.00000	\$509,632.00
			Total for Group	p 0018: \$509,632.00
Group 0019: Culverts - Type A: <	: 5'			
0474 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	LS	\$0.00000	\$0.00
0480 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$350.00000	\$0.00
Pipe Structures - Reinforced Concrete Pi			¢4 500 00000	\$ 0.00
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total fo	r Group 0019: \$0.00
Group 0021: Culverts, Type A: 5' 0067 C-MC-DRNG		10	¢0.0000	¢0.00
MAJOR COST DRIVERS, DRAINAGE	1.00		\$0.00000	\$0.00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000	\$0.00
8:13:44AM Wednesday, December 01, 2010				Page 5 of 12

Estimate: Alt I OH cont 5				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
	5' 10' 66" to	70"		
Pipe Structures - Reinforced Concrete 0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		EACH	\$1,500.00000	\$0.00
			Total for Group	0021: \$0.00
Group 0022: Culverts, Type A: 0486 C-MC-DRNG	1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE				
0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$1,400.00000	\$0.00
Pipe Structures - Reinforced Concrete 0488 C-MC-DRNG	<i>Pipe 10'-20'</i> 0.00	EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE		EACH	\$1,500.00000	φ0.00
Concrete Masonry			Total for Group	۱ 0022 [.] \$0 00
				, 0022.
Group 0024: BMP's				
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group	0024: \$0.00
Crown 0025: Closed Storm Suct				
Group 0025: Closed Storm Syst			\$0,0000	¢0.00
MAJOR COST DRIVERS, DRAINAGE			\$0.00000	\$0.00
0489 603E13400 30" CONDUIT, TYPE B (Average size)	11,504.00	FT	\$75.00000	\$862,800.00
0523 604E00800	152.00	EACH	\$1,500.00000	\$228,000.00
CATCH BASIN, NO. 3A 0524 604E31500	15.00	EACH	\$3,000.00000	\$45,000.00
MANHOLE, NO. 3 0525 604E36601	0.00	EACH	\$1,250.00000	\$0.00
PRECAST REINFORCED CONCRETE 0526 Special	E OUTLET, AS 0.00			\$0.00
Pump Station (Storm)				
0527 Special Stormceptors	0.00	EACH	\$5,750.00000	\$0.00
0529 Special Retention basin improvements	0.00	LS	\$109,000.00000	\$0.00
			Total for Group 0025: S	\$1,135,800.00
Craws 0020: Other Drains as Co				
Group 0026: Other Drainage Co			¢0,0000	00 0 2
OTHER COSTS, DRAINAGE	1.00	L3	\$0.00000	\$0.00
			Total for Group	0026: \$0.00
Group 0027: Mainline - Travel L	anes			
0095 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0494 D-MC-PVMT	- 68,870.00	SY	\$68.00000	\$4,683,160.00
13" Reinforced Concrete Pavement	·	0.	ψ00.00000	ψ 1 ,000,100.00
Includes 6" Agg Base and Subgrade C	ompaction			
8:13:44AM Wednesday, December 01, 2010				Page 6 of 12

Estimate: Alt I OH cont 5				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
			Total for Group 0027:	\$4 683 160 00
				φ+,000,100.00
Group 0028: Mainline - Outside	Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement	8,030.00	SY	\$68.00000	\$546,040.00
Includes 6" Agg base and Subgrade Co	ompaction		Total for Oroup 0000	
			Total for Group 0028	3: \$546,040.00
Group 0030: Mainline - Inside Sl	houlder			
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement	15,773.00	SY	\$68.00000	\$1,072,564.00
Includes 6" Agg base and Subgrade Co	ompaction			• · · · · · · ·
			Total for Group 0030:	\$1,072,564.00
Group 0031: Ramps (including s	shoulders)		
0122 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0497 D-MC-PVMT	37,642.00	SY	\$68.00000	\$2,559,656.00
13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Co	ompaction			
			Total for Group 0031:	\$2,559,656.00
Group 0032: Non - Mainline Lan	es			
0132 D-MC-PVMT	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0498 D-MC-PVMT	6,383.00	SY	\$41.00000	\$261,703.00
Asphalt Includes 3" 448, 9" 301, 6" Agg base an	nd Subgrade	Compaction		
			Total for Group 0032	2: \$261,703.00
Group 0041: Other Pavement Co	osts			
0163 D-OC-PVMT	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, PAVEMENT			Total for Grou	up 0041: \$0.00
Group 0042: Water Works 0164 E-MC-WATR	0.00	10	00000 02	00.02
MAJOR COST DRIVERS, WATER LINE			\$0.00000	\$0.00
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Grou	ıp 0042: \$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, SANITARY S	SEWER			
8:13:44AM				

Estimate: Alt I OH cont 5			PB	Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
			Total for Group 0043	· \$0.00
				. 00.00
Group 0044: Lighting - Full Inter	•			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	EACH	\$469,000.00000	\$469,000.00
,			Total for Group 0044: \$469	,000.00
Group 0045: Lighting - Partial Ir	iterchange	ć		
0288 G-MC-LTNG	0.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING			Total for Group 0045	· \$0.00
				, toro
Group 0046: Lighting - Continuc		•	# 0.0000	# 0.00
0176 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00		\$0.00000	\$0.00
0500 G-MC-LTNG Lighting - Continuous	9,226.00	FT	\$35.00000	\$322,910.00
			Total for Group 0046: \$322	,910.00
Group 0047: Other Lighting Cos	sts			
0177 G-OC-LTNG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, LIGHTING			Total for Group 0047	: \$0.00
Group 0048: Traffic Surveillance	e 1.00	10	\$635,388.64000	\$635,388.64
OTHER COSTS, TRAFFIC SURVEILL		LO		
			Total for Group 0048: \$635	,388.64
Group 0049: Signs				
0179 J-MC-TRAF MAJOR COST DRIVERS, TRAFFIC CO	1.00	LS	\$0.00000	\$0.00
0501 J-MC-TRAF Signs	1.75	MILE	\$250,000.00000	\$437,500.00
oigns			Total for Group 0049: \$437	,500.00
Group 0050: Poyomont Marking				
Group 0050: Pavement Marking 0200 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CO 0502 644E00100		MILE	\$3,000.00000	\$35,040.00
EDGE LINE				
0503 644E00200 LANE LINE	11.53	MILE	\$2,000.00000	\$23,060.00
			Total for Group 0050: \$58	,100.00

Group 0051: Other Traffic Control Costs

Estimate: Alt I OH cont 5 <u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	PB A <u>Unit Price</u>	mericas, Inc. <u>Extension</u>
0208 J-OC-TRAF	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC CONTROL			Total for Group 0051:	\$0.00
Group 0052: Signals - Intersection 0212 K-MC-SGNL MAJOR COST DRIVERS, SIGNALS		EACH	\$175,000.00000 Total for Group 0052: \$525,0	\$525,000.00 000.00
Group 0053: Other Traffic Signal				
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
Group 0054: Landscaping			Total for Group 0053:	\$0.00
0214 L-MC-LSCP MAJOR COST DRIVERS, LANDSCAPII	1.00	LS	\$0.00000	\$0.00
0215 L-OC-LSCP OTHER COSTS, LANDSCAPING	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, LANDSCAPING			Total for Group 0054:	\$0.00
Group 0055: Retaining Walls \$12	25 + \$10/	ft for ca	os barriers and testing	
0216 M-MC-WALL	1.00		\$0.00000	\$0.00
	WALLS 113,592.00	SF	\$135.00000 \$1	5,334,920.00
Retaining Walls			Total for Group 0055: \$15,334,9	920.00
Group 0056: Other Retaining Wa 0217 M-OC-WALL OTHER COSTS, RETAINING WALLS	all Costs 1.00	LS	\$0.00000 Total for Group 0056:	\$0.00
Group 0057: Building Demolition				
0218 N-MC-DEMO MAJOR COST DRIVERS, BUILDING DI	1.00 EMOLITION	LS	\$0.00000	\$0.00
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITIC	1.00	LS	\$0.00000	\$0.00
0532 202E98100 REMOVAL MISC.: Radio Tower	0.00	EACH	\$8,500.00000	\$0.00
0533 202E56101 BUILDING DEMOLISHED, AS PER PLA Small Commercial		EACH	\$15,000.00000	\$30,000.00
0534 202E56101 BUILDING DEMOLISHED, AS PER PLA Large Commercial	1.00 N	EACH	\$30,000.00000	\$30,000.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLA Large Residential		EACH	\$12,000.00000	\$0.00
0536 202E56101 8:13:44AM	0.00	EACH	\$7,500.00000	\$0.00

Estimate: Alt I OH cont 5 <u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	PB Americas, Inc. <u>Extension</u>
BUILDING DEMOLISHED, AS PER PLA Small Residential	N			
Small Residential			Total for Group 0057:	\$60,000.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARR 0505 P-MC-NSBR	0.00	LS	\$25.00000	\$0.00
Noise Barrier			Total for Group	0058: \$0.00
Group 0059: Other Noise Barrier	Costs			
0221 P-OC-NSBR	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, NOISE BARRIER 0368 P-MC-NSBR	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARR	IER		Total for Group	0059: \$0.00
Group 0060: New Structures				
0222 R-MC-STRC	1.00	LS	\$0.00000	\$0.00
	S 176,046.00	SF	\$125.00000	\$22,005,750.00
Tier 1 Structures to 25' Height 0507 R-MC-STRC	0.00	SF	\$12.00000	\$0.00
	100,928.00		\$17.00000	\$1,715,776.00
Standard Removal of Existing Structures 0509 R-MC-STRC	58,771.00	SF	\$30.00000	\$1,763,130.00
Removal of Existing Structures complex 0513 R-MC-STRC	28,698.00		\$150.00000	\$4,304,700.00
Tier 2 Structures 25' to 50' Height 0516 R-MC-STRC	0.00	SF	\$200.00000	\$0.00
Tier 3 Structures 50' to 75' Height			Total for Group 0060: \$29	9,789,356.00
Group 0061: Rehabilitated Struct	ures			
0223 R-MC-STRC	0.00	SF	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURE	:5		Total for Group	0061: \$0.00
Group 0062: Other Structure Cos	sts			
0224 R-OC-STRC	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, STRUCTURES Contingency				
			Total for Group	0062: \$0.00
Group 0063: Temporary Road ar				
0225 S-MC-MNTC MAJOR COST DRIVERS, MAINTENANO	1.00 CE OF TRAF		\$0.00000	\$0.00

Estimate: Alt I OH cont 5 <u>Line # Item Number</u> <u>Description</u> Supplemental Description	PB A <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
	Total for Group 0063:	\$0.00
One of the Original Density (DOD)	•	·
Group 0064: Portable Concrete Barrier (PCB) 0226 S-MC-MNTC 1.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC		
	Total for Group 0064:	φ0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0066:	\$0.00
Group 0067: Temporary Signals		
0230 S-MC-MNTC 0.00 LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	Total for Group 0067:	\$0.00
		ψ0.00
Group 0068: Work Zone Lighting	# 0.0000	* 0.00
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS	\$0.00000	\$0.00
OTHER COSTS, MAINTENANCE OF TRAFFIC 0512 S-OC-MNTC 1.75 MILE	\$500,000.00000	\$875,000.00
OTHER COSTS, MAINTENANCE OF TRAFFIC	Total for Group 0070: \$875,	000 00
Group 0071: Wetland Construction	¢0,00000	¢0.00
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt I OH cont 5				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELL	0.00 ANEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOUS	0.00		\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILROA LIABILITY INSURANCE	1.00		\$10,000.00000 IC LIABILITY AND PROPER	\$10,000.00 TY DAMAGE
0238 623E10000 CONSTRUCTION LAYOUT STAKES 0.5%	1.00 S	LS	\$320,871.26000	\$320,871.26
0239 614E11000 MAINTAINING TRAFFIC 5%	1.00	LS	\$1,283,485.05000	\$1,283,485.05
0240 619E16020 FIELD OFFICE, TYPE C	65.00	MNTH	\$2,500.00000	\$162,500.00
0242 624E10000 MOBILIZATION	1.00	LS	\$1,600,000.00000	\$1,600,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERFO	1.00 ORMANCE BON		\$320,871.26000 OR PAYMENT BOND	\$320,871.26
			Total for Group	0072: \$3,697,727.57
Group 0073: Design Continge	ncy Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTING 25%	1.00 SENCY COSTS	LS	\$16,967,995.05000	\$16,967,995.05
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY C	1.00 OSTS	LS	\$0.00000	\$0.00
	0010		Total for Group (0073: \$16,967,995.05
Group 0074: Inflation Continge	,			
0266 V-OC-CNTG OTHER COSTS, CONTINGENCY C	0.00 OSTS	LS	\$0.00000	\$0.00
,			Total f	or Group 0074: \$0.00

PID	89069	County	HAM	Route	75	Section	1.9	This R/W Acquisition cost estimate
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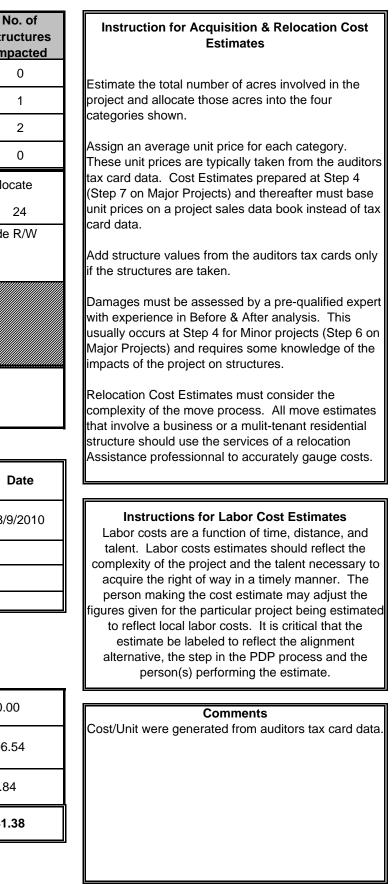
Attributes															
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	=	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No Struc Impa
-Residential	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
-Commercial	0.25	Х	\$122,978.79	\$30,745	+	355150	+	N/A	\$355,150.00	=	\$385,894.70	8	0	8	
-Industrial	1.16	Х	\$71,861.63	\$83,359	+	242100	+	N/A	\$242,100.00	=	\$325,459.49	12	4	8	
-Agricultural	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	=	\$0.00	0	0	0	
Relocation	Unit (Displacement)	x	*RHF	P/*RSP	+	Move Cost	+	+ Reestablishment -		Total Non Labor RAP Costs	Estimate amount of time necessary to reloc all RAP parcels = (months)				
-Residential Owner Occupant Tenant	0	x x		4,000 0,000	+++	\$6,000 \$1,750		= \$0 = \$0			e number of year uisition begins =	s until proje	ct wide I 2		
-Commerical/Farm/NPO Owner Tenant	2 1				x x	\$15,000 \$15,000	++	\$10, \$10,		=	\$50,000 \$25,000				
-Personal Property	0				Х	\$1,000				=	\$0				
{[(Total Cost of Acquisition Cost)x0.90]x0.025}+{[(Total of Acquisition Cost)x0.15]x1.20}+{[(Total of Acquisition Cost)x0.10]x1.50} = Contingency				Contingency (Incidentals, Admin. Review & Appropriation) 250752.3514		250752.3514	*RHP - Replacement Housing Payment *RSP - Rent Supplemental Payment								
							Total Non Labor R/W Costs \$1,037,106.54 *NPO - Non-Profit Organization								

Macro View						
Labor (External)	Unit (Parcels)	Х	Unit Price	=	Total Cost	
Titles	20	Х	\$400	=	\$8,000	
Appraisal -Simple -Detailed	7 13	x x	\$750 \$4,500	=	\$5,250 \$58,500	
Appraisal Review -Simple -Detailed	7 13	x x	\$500 \$2,000	=	\$3,500 \$26,000	
Negotiations	20	Х	\$1,100	=	\$22,000	
Relocations -Personal Property -Residential -Commercial/Farm/*NPO	0 0 3	x x x	\$1,500 \$5,200 \$5,600	= = =	\$0 \$0 \$16,800	
Closings	20	Х	\$400	=	\$8,000	
Project Management	20	Х	\$550	=	\$11,000	
Asbestos Testing & Abatement		Х		=		
	Total Labor Costs \$159,03					
*NPO = Non-Profit Organization						

This R/W Cost Estimate Prepared by							
Chris Clemons							
This R/W Cost Estimate was performed at Step							
of the PDP for	MAJOR	Projects using					
		-		-			

Total R/W Costs	\$1,294,241.
Inflation Adjustments	\$98,084.84
Total Non Labor R/W Costs	\$1,037,106.
Total Labor Costs	\$159,050.0

P.D.P. R/W Cost Estimator



Estimate Alt I OH cont 6

Estimated Cost: \$31,450,188.58 Contingency: 57.60% Estimated Total: \$49,565,497.20

Reconstruction from north of Linn St to Findlay St Base Date: 07/22/10 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: District: 8 Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Estimate: Alt I OH cont 6				PB Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
Group 0001: Pavement Remova	al			
0001 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	LS	\$0.00000	\$0.00
0343 202E23000 PAVEMENT REMOVED	72,055.00	SY	\$8.00000	\$576,440.00
			Total for Group 0001: \$	576,440.00
Group 0002: Excavation - Rock				
0003 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	0.00	CY	\$30.00000	\$0.00
			Total for Group 0	002: \$0.00
Group 0003: Excavation - Soil				
0004 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0344 203E10000 EXCAVATION	171,489.00	CY	\$8.00000	\$1,371,912.00
EXONUMION			Total for Group 0003: \$1,	371,912.00
Group 0004: Excavation - Haza	rdous			
0006 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0	004: \$0.00
Group 0005: Fill - Embankment	(includes	wasting	a excess excavation)	
0007 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0345 203E20000 EMBANKMENT	171,489.00	CY	\$6.00000	\$1,028,934.00
EMDAINNMENT			Total for Group 0005: \$1,	028,934.00
Group 0006: Fill - Lime Modified	d Soil			
0010 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0346 205E10050 LIME STABILIZED EMBANKMENT	0.00	CY	\$7.00000	\$0.00
0347 205E10300 LIME	0.00	TON	\$5.00000	\$0.00
			Total for Group 0	006: \$0.00
Group 0007: Fill - Borrow				
0011 A-MC-RDWY	0.00	CY	\$8.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0	007: \$0.00
Group 0008: Concrete Barrier				
0012 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0465 622E10060	10,712.00	FT	\$110.00000	\$1,178,320.00
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Estimate: Alt I OH cont 6				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
CONCRETE BARRIER, SINGLE SLOPE	E, TYPE B			
			Total for Group 0008: \$1,	178,320.00
Group 0009: Subgrade Treatmer	nt - Lime			
0014 A-MC-RDWY	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY 0348 206E10000	0.00	SY	\$1.85000	\$0.00
LIME STABILIZED SUBGRADE 0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000	0.00	SY	\$1.00000	\$0.00
CURING COAT 0351 206E20000	0.00	HOUR	\$4.00000	\$0.00
TEST ROLLING			Total for Group 00	009: \$0.00
Group 0010: Subarada Traatmar	ot Come	nt		
Group 0010: Subgrade Treatmer	97,995.00		\$2.50000	\$244,987.50
MAJOR COST DRIVERS, ROADWAY	01,000100	01		
			Total for Group 0010: \$2	244,907.50
Group 0011: Subgrade Treatmer				
0017 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
			Total for Group 00)11: \$0.00
Group 0012: Other Roadway Cos	sts			
0019 A-OC-RDWY	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, ROADWAY Contingency	0.00	1.0		\$ 2.22
0020 201E11000 CLEARING AND GRUBBING	0.00		\$856,500.00000	\$0.00
0021 201E21800 TREE REMOVED, 18" SIZE	0.00	EACH	\$250.00000	\$0.00
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0028 202E35200 PIPE REMOVED, OVER 24"	0.00	FT	\$0.00000	\$0.00
0029 202E38000 GUARDRAIL REMOVED	0.00	FT	\$0.00000	\$0.00
0030 202E42206 ANCHOR ASSEMBLY REMOVED	0.00	EACH	\$0.00000	\$0.00
0031 202E58000 MANHOLE REMOVED	0.00	EACH	\$0.00000	\$0.00
0032 202E58100 CATCH BASIN REMOVED	0.00	EACH	\$0.00000	\$0.00
0033 202E75000 FENCE REMOVED	0.00	FT	\$0.00000	\$0.00
0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

Estimate: A	lt I OH	cont 6
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Estimate: Alt I OH cont 6				PB Americas, Inc.
<u>Line # Item Number</u> <u>Description</u> <u>Supplemental Description</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
PROOF ROLLING				
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF J		FT	\$0.00000	\$0.00
0037 606E13000	2,291.00	FT	\$14.00000	\$32,074.00
GUARDRAIL, TYPE 5 0038 606E22000	0.00	EACH	\$1,411.29597	\$0.00
ANCHOR ASSEMBLY, TYPE B-9 0039 606E22010	8 0.00	EACH	\$1,712.52574	\$0.00
ANCHOR ASSEMBLY, TYPE E-9		EACH	\$487.23435	
0040 606E26500 ANCHOR ASSEMBLY, TYPE T	0.00	EACH	\$487.23435	\$0.00
0041 606E35000 BRIDGE TERMINAL ASSEMBLY,	0.00 TYPE 1	EACH	\$969.12750	\$0.00
0042 606E35100 BRIDGE TERMINAL ASSEMBLY	0.00	EACH	\$338.36354	\$0.00
0043 606E60010	0.00	EACH	\$3,439.05897	\$0.00
IMPACT ATTENUATOR, TYPE 1- 0044 607E15000 FENCE, TYPE 47	-98 (BIDIRECTION 0.00		\$0.00000	\$0.00
For Fencing 0423 304E20000 AGGREGATE BASE For Fencing	0.00	CY	\$0.00000	\$0.00
0424 601E32100 ROCK CHANNEL PROTECTION, For Fencing	0.00 TYPE B WITH FIL		\$0.00000	\$0.00
0425 607E40500 GATE, TYPE 47 For Fencing	0.00	EACH	\$731.31641	\$0.00
0426 625E32000 GROUND ROD For Fencing	0.00	EACH	\$0.00000	\$0.00
0466	0.00		\$0.00000	\$0.00
			Total for Gro	oup 0012: \$32,074.00
Group 0014: Seeding & Mul	ching / Soddir	ng		
0045 B-MC-ERCO MAJOR COST DRIVERS, EROSI	1.00	•	\$0.00000	\$0.00
0467 659E10000 SEEDING AND MULCHING	0.00	SY	\$1.00000	\$0.00
0531 660E25000	0.00	SY	\$15.00000	\$0.00
SODDING STAKED			Total fo	or Group 0014: \$0.00
Group 0015: Rock Channel	Protection			
0047 B-MC-ERCO MAJOR COST DRIVERS, EROSI	1.00 ON CONTROL	LS	\$0.00000	\$0.00
0469 601E32000 ROCK CHANNEL PROTECTION,	0.00		\$75.00000	\$0.00
ROOK ON/MALET ROTEOTION,			Total fo	or Group 0015: \$0.00
Group 0016: Erosion Contro	l - Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
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Estimate: Alt I OH cont 6 Line # Item Number	Quantity	Unite	Unit Price	PB Americas, Inc. Extension
<u>Description</u> <u>Supplemental Description</u>	<u>wuantity</u>	<u>onito</u>	ontrace	
MAJOR COST DRIVERS, EROSION CO				
0470 832E10000 STORM WATER POLLUTION PREVEN	1.00 TION PLAN	LS	\$50,000.00000	\$50,000.00
0471 832E20000 EROSION CONTROL	42,000.00	EACH	\$1.00000	\$42,000.00
			Total for Group (0016: \$92,000.00
Group 0017: Other Erosion Cont	rol Costs			
0049 670E00700	0.00	SY	\$0.00000	\$0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, EROSION CONTROL 0051 659E00100	0.00	EACH	\$0.00000	\$0.00
SOIL ANALYSIS TEST 0052 659E00300	0.00		\$0.00000	\$0.00
TOPSOIL				
0053 659E14000 REPAIR SEEDING AND MULCHING	0.00	SY	\$0.00000	\$0.00
0054 659E15000 INTER-SEEDING	0.00	SY	\$0.71000	\$0.00
0055 659E20000 COMMERCIAL FERTILIZER	0.00	TON	\$410.06813	\$0.00
0056 659E31000 LIME	0.00	ACRE	\$0.00000	\$0.00
0057 659E35000 WATER	0.00	MGAL	\$5.00000	\$0.00
0058 659E40000	0.00	MSF	\$0.00000	\$0.00
MOWING			Total for G	roup 0017: \$0.00
Crown 0040: Underdreine				•
Group 0018: Underdrains 0059 C-MC-DRNG	1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			·	
0062 605E05100 4" SHALLOW PIPE UNDERDRAINS	49,472.00	FI	\$8.00000	\$395,776.00
			Total for Group 00	018: \$395,776.00
Group 0019: Culverts - Type A: <	: 5'			
0474 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	LS	\$0.00000	\$0.00
0480 C-MC-DRNG	0.00	FT	\$350.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Pipe Structures - Reinforced Concrete P			* / = 00 0000	Aa aa
0481 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	EACH	\$1,500.00000	\$0.00
Concrete Masonry			Total for G	roup 0019: \$0.00
Group 0021: Culverts, Type A: 5'		10	¢0,0000	\$0.00
0067 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00		\$0.00000	\$0.00
0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000	\$0.00
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Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
Pipe Structures - Reinforced Concrete	5' 10' 66" to	70"		
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		EACH	\$1,500.00000	\$0.00
			Total for Group	0021: \$0.00
Croup 0022: Culverte Type A: 1	0' 20'			
Group 0022: Culverts, Type A: 1 0486 C-MC-DRNG	1.00	15	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			·	
0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$1,400.00000	\$0.00
Pipe Structures - Reinforced Concrete I 0488 C-MC-DRNG	Pipe 10'-20' 0.00	EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE	0.00	LACH	\$1,500.00000	φ0.00
Concrete Masonry			Total for Group	0022· \$0.00
				0022. 0 0.00
Group 0024: BMP's				
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group	0024: \$0.00
Group 0025: Closed Storm Syst			* 0.0000	* 0.00
0077 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
0489 603E13400 30" CONDUIT, TYPE B (Average size)	8,090.00	FT	\$75.00000	\$606,750.00
0523 604E00800	71.00	EACH	\$1,500.00000	\$106,500.00
CATCH BASIN, NO. 3A 0524 604E31500	9.00	EACH	\$3,000.00000	\$27,000.00
MANHOLE, NO. 3 0525 604E36601	0.00	EACH	\$1,250.00000	\$0.00
PRECAST REINFORCED CONCRETE	OUTLET, AS	PER PLAN		
0526 Special Pump Station (Storm)	0.00	LS	\$6,400,000.00000	\$0.00
0527 Special Stormceptors	0.00	EACH	\$5,750.00000	\$0.00
0529 Special	0.00	LS	\$109,000.00000	\$0.00
Retention basin improvements			Total for Group 0025:	\$740,250,00
				φ, <u>_</u> σοιοσ
Group 0026: Other Drainage Co				
0078 C-OC-DRNG OTHER COSTS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Group	0026: \$0.00
Group 0027: Mainling Travel	0000			
Group 0027: Mainline - Travel La 0095 D-MC-PVMT	anes 1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT				
0494 D-MC-PVMT 13" Reinforced Concrete Pavement	73,584.00	SY	\$68.00000	\$5,003,712.00
Includes 6" Agg Base and Subgrade Co	ompaction			
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Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	Unit Price	<u>Extension</u>
			Total for Group 0027: \$5	5,003,712.00
Group 0028: Mainline - Outside	Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT		LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Co	10,683.00	SY	\$68.00000	\$726,444.00
includes of Agy base and Subgrade G	ompaction		Total for Group 0028:	\$726,444.00
Group 0030: Mainline - Inside S	houlder			
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	- 1.00	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Co	13,728.00 ompaction	SY	\$68.00000	\$933,504.00
			Total for Group 0030:	\$933,504.00
Group 0031: Ramps (including	shoulders			
0122 D-MC-PVMT	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, PAVEMENT 0497 D-MC-PVMT 13" Reinforced Concrete Pavement	0.00	SY	\$68.00000	\$0.00
Includes 6" Agg base and Subgrade Co	ompaction		Total for Group	0031: \$0.00
Group 0032: Non - Mainline Lar	nes			
0132 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0498 D-MC-PVMT Asphalt	0.00	SY	\$41.00000	\$0.00
Includes 3" 448, 9" 301, 6" Agg base a	nd Subgrade (Compaction	Total for Group	0032: \$0.00
Group 0041: Other Pavement C	costs			
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
			Total for Group	0041: \$0.00
Group 0042: Water Works				
0164 E-MC-WATR MAJOR COST DRIVERS, WATER LIN	0.00 IE	LS	\$0.00000	\$0.00
0165 E-OC-WATR OTHER COSTS, WATER LINE	0.00	LS	\$0.00000	\$0.00
			Total for Group	0042: \$0.00
Group 0043: Sanitary Line				
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY	0.00 SEWER	LS	\$0.00000	\$0.00
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			Total for Group 0043	: \$0.00
Group 0044: Lighting - Full Intere	change			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	EACH	\$469,000.00000	\$0.00
			Total for Group 0044	: \$0.00
Group 0045: Lighting - Partial Int	terchange	9		
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Group 0045	: \$0.00
Group 0046: Lighting - Continuo	us Roadv	vay		
0176 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0500 G-MC-LTNG Lighting - Continuous	4,272.00	FT	\$35.00000	\$149,520.00
			Total for Group 0046: \$149	,520.00
Group 0047: Other Lighting Cost	ts			
0177 G-OC-LTNG OTHER COSTS, LIGHTING	0.00	LS	\$0.00000	\$0.00
o mer odoro, elomino			Total for Group 0047	: \$0.00
Group 0048: Traffic Surveillance				
0178 H-OC-SURV OTHER COSTS, TRAFFIC SURVEILLA	1.00	LS	\$233,107.29000	\$233,107.29
			Total for Group 0048: \$233	,107.29
Group 0049: Signs				
0179 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CC 0501 J-MC-TRAF	0.81	MILE	\$250,000.00000	\$202,500.00
Signs			Total for Group 0049: \$202	,500.00
Group 0050: Pavement Marking				
0200 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC CC 0502 644E00100	3.66	MILE	\$3,000.00000	\$10,980.00
EDGE LINE 0503 644E00200	5.81	MILE	\$2,000.00000	\$11,620.00
LANE LINE			Total for Group 0050: \$22	,600.00

Group 0051: Other Traffic Control Costs

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0208 J-OC-TRAF OTHER COSTS, TRAFFIC CONTROL	1.00	LS	\$0.00000	\$0.00
Group 0052: Signals - Intersection	าร		Total for Group 0051:	\$0.00
0212 K-MC-SGNL	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, SIGNALS			Total for Group 0052:	\$0.00
Group 0053: Other Traffic Signal				
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
			Total for Group 0053:	\$0.00
Group 0054: Landscaping				
0214 L-MC-LSCP	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, LANDSCAPIN 0215 L-OC-LSCP	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, LANDSCAPING			Total for Group 0054:	\$0.00
Croup 0055: Potoining Walls \$12		ft for or	harriara and tasting	
Group 0055: Retaining Walls \$12	/1.00 + ع 1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, RETAINING W			·	3,998,835.00
Retaining Walls	20,021.00	01		
			Total for Group 0055: \$3,998,8	835.00
Group 0056: Other Retaining Wal	l Costs			
0217 M-OC-WALL OTHER COSTS, RETAINING WALLS	1.00	LS	\$0.00000	\$0.00
,			Total for Group 0056:	\$0.00
Group 0057: Building Demolition				
0218 N-MC-DEMO	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, BUILDING DE 0219 N-OC-DEMO	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, BUILDING DEMOLITIO 0532 202E98100	N 0.00	EACH	\$8,500.00000	\$0.00
REMOVAL MISC.: Radio Tower				
0533 202E56101 BUILDING DEMOLISHED, AS PER PLAN Small Commercial	0.00 N	EACH	\$15,000.00000	\$0.00
0534 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Commercial	0.00 N	EACH	\$30,000.00000	\$0.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLAN Large Residential	0.00 N	EACH	\$12,000.00000	\$0.00
0536 202E56101 8:12:26AM	0.00	EACH	\$7,500.00000	\$0.00

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BUILDING DEMOLISHED, AS PER PLAN Small Residential				
			Total for Group 005	7: \$0.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR MAJOR COST DRIVERS, NOISE BARRIE	1.00	LS	\$0.00000	\$0.00
	2,806.00	SF	\$25.00000	\$1,070,150.00
			Total for Group 0058: \$1,07	0,150.00
Group 0059: Other Noise Barrier C	:osts			
0221 P-OC-NSBR	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, NOISE BARRIER 0368 P-MC-NSBR	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, NOISE BARRIE	R		Total for Group 005	9: \$0.00
Group 0060: Now Structures			·	
Group 0060: New Structures 0222 R-MC-STRC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES 0506 R-MC-STRC 3	6,980.00	SF	\$125.00000	\$4,622,500.00
Tier 1 Structures to 25' Height 0507 R-MC-STRC	0.00	SF	\$12.00000	\$0.00
Removal of Existing Structures non-comple 0508 R-MC-STRC 3	ex 0,310.00	SF	\$17.00000	\$515,270.00
Standard Removal of Existing Structures a 0509 R-MC-STRC	bove aver 0.00	· ·	\$30.00000	\$0.00
Removal of Existing Structures complex to 0513 R-MC-STRC	very comp 0.00		\$150.00000	\$0.00
Tier 2 Structures 25' to 50' Height 0516 R-MC-STRC	0.00	SF	\$200.00000	\$0.00
Tier 3 Structures 50' to 75' Height			Total for Group 0060: \$5,13	7.770.00
				.,
Group 0061: Rehabilitated Structur	0.00	SF	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTURES	0.00			
			Total for Group 006	Τ. ΦΟ.ΟΟ
Group 0062: Other Structure Costs			#0.00000	¢0.00
0224 R-OC-STRC OTHER COSTS, STRUCTURES	0.00	LS	\$0.00000	\$0.00
Contingency			Total for Group 006	2: \$0.00
Group 0063: Temporary Road and	Paver	nent Costs		
0225 S-MC-MNTC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, MAINTENANCE	OF TRAF	FIC		
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<u>Line # Item Number</u> <u>Quantity</u> <u>Units</u> <u>Description</u> <u>Supplemental Description</u>	<u>Unit Price</u>	<u>Extension</u>
	Total for Group 0063:	\$0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0064:	\$0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0066:	\$0.00
Group 0067: Temporary Signals		
0230 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS OTHER COSTS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
0512 S-OC-MNTC 0.81 MILE OTHER COSTS, MAINTENANCE OF TRAFFIC	\$500,000.00000	\$405,000.00
	Total for Group 0070: \$405,	000.00
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

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Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0235 U-MC-MISC MAJOR COST DRIVERS, MISCELLA	0.00 NEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOUS	0.00		\$0.00000	\$0.00
0237 100E00300 SPECIAL - PREMIUM ON RAILROAI LIABILITY INSURANCE	0.00		\$10,000.00000 IC LIABILITY AND PROPERT	\$0.00 \$0.00
0238 623E10000 CONSTRUCTION LAYOUT STAKES 0.5%	1.00	LS	\$117,719.18000	\$117,719.18
0239 619E16020 FIELD OFFICE, TYPE C	44.00	MNTH	\$2,500.00000	\$110,000.00
0240 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$470,876.72000	\$470,876.72
0242 624E10000 MOBILIZATION	1.00	LS	\$800,000.00000	\$800,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERFC 0.5%	1.00 RMANCE BON		\$117,719.18000 OR PAYMENT BOND	\$117,719.18
			Total for Group	0072: \$1,616,315.08
Group 0073: Design Continger	ncy Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTING 25%	1.00 ENCY COSTS	LS	\$6,290,037.71000	\$6,290,037.71
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY CO	1.00 DSTS	LS	\$0.00000	\$0.00
			Total for Group	0073: \$6,290,037.71
Group 0074: Inflation Continge	ency			
0266 V-OC-CNTG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, CONTINGENCY CO	515		Total fo	or Group 0074: \$0.00

Estimate Alt I OH cont 7

Estimated Cost: \$373,074,847.21 Contingency: 57.60% Estimated Total: \$587,965,959.20

OH-7 Reconstruction from the new bridge over the Ohio to north of Linn St. Base Date: 07/22/10 Spec Year: 10 Unit System: E Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE Highway Type: 451 Urban/Rural Type: URBAN CLASS Season: SUMMER County: HAMILTON Midpoint of Latitude: Midpoint of Longitude: District: 8 Federal/State Project Number: Estimate Type: C1 Prepared by Parsons Brinckerhoff on 07/22/10

Line # tem Number Description Quantity Units Units Unit Price Extension Group 0001: Pavement Removal 0001 A-MC-RDWY 0.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 0.00 LS \$0.00000 \$943,456.00 PAVEMENT REMOVED 117,932.00 SY \$8.00000 \$943,456.00 Group 0002: Excavation - Rock 0003 A-MC-RDWY Total for Group 0001: \$943,456.00 Group 0003: Excavation - Rock 0004 A-MC-RDWY S0.00000 \$0.00 Group 0003: Excavation - Soil 0004 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 0044 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 0044 20341000 Excavation - Hazardous \$0.000 \$0.00 0006 A-MC-RDWY 1.00 LS \$0.00000 \$2.723,880.00 Group 0005: Fill - Embankment (includes wasting excess excavation) \$0.000 \$2.723,880.00 <t< th=""></t<>
Supplemental Description Group 0001: Pavement Removal 0001 A-MC-RDWY 0.00 LS \$0.00000000000000000000000000000000000
0001 A-MC-RDWY 0.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 117,932.00 SY \$8.00000 \$943,456.00 PAVEMENT REMOVED 117,932.00 SY \$8.00000 \$943,456.00 Group 0002: Excavation - Rock 000 CY \$30.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 0.00 CY \$30.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 0.00 CY \$30.00000 \$0.00 Group 0003: Excavation - Soil 0004 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 0044 A-MC-RDWY 1.00 LS \$0.00000 \$3,631,840.00 Excavation - Hazardous 0006 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 Group 0004: Excavation - Hazardous 0006 A-MC-RDWY 1.00 LS \$0.00000000000000000000000000000000000
MAJOR COST DRIVERS, ROADWAY MAJOR COST DRIVERS, ROADWAY 117,932.00 SY \$8.0000 \$943,456.00 PAVEMENT REMOVED 117,932.00 SY \$8.0000 \$943,456.00 Group 0002: Excavation - Rock 003 A-MC-RDWY 0.00 CY \$30.0000 \$0.00 MAJOR COST DRIVERS, ROADWAY 0.00 CY \$30.0000 \$0.00 Group 0003: Excavation - Soil 004 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$3,631,840.00 Excavation - Hazardous 006 A-MC-RDWY 1.00 LS \$0.0000 \$0.00 Group 0004: Excavation - Hazardous 006 A-MC-RDWY 1.00 LS \$0.0000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 O006 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00
0343 202E23000 117,932.00 SY \$8.00000 \$943,456.00 Total for Group 0001: \$943,456.00 Group 0002: Excavation - Rock 0003 A-MC-RDWY 0.00 CY \$30.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 0.00 CY \$30.00000 \$0.00 Group 0003: Excavation - Soil 0004 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$3.631,840.00 Correct Cost DRIVERS, ROADWAY Major COST DRIVERS, ROADWAY 1.00 LS \$0.000000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.000000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000000000000000000000000000000000
Total for Group 0001: \$943,456.00 Group 0002: Excavation - Rock 0003 A-MC-RDWY 0.00 CY \$30.0000 \$0.00 MAJOR COST DRIVERS, ROADWAY 0.00 CY \$30.0000 \$0.00 Group 0003: Excavation - Soil 0004 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$3,631,840.00 Group 0004: Excavation - Hazardous 0006 A-MC-RDWY 1.00 LS \$0.000003: \$3,631,840.00 Group 0004: Excavation - Hazardous 0006 A-MC-RDWY 1.00 LS \$0.0000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 \$0.00 Group 0005: Fill - Embankment (includes wasting excess excavation) 0007 A-MC-RDWY 1.00 LS \$0.0000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.0000 \$0.00 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.0000 \$2,723,880.00 Group 0005: \$2,723,
0003 A-MC-RDWY 0.00 CY \$30.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 0.00 CY \$30.00000 \$0.00 Group 0003: Excavation - Soil 0004 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$3.631,840.00 O344 203E10000 453,980.00 CY \$8.00000 \$3.631,840.00 Group 0004: Excavation - Hazardous 0006 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 MAJOR 0006 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR 0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR 0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR 0007 A-MC-RDWY 1.00 LS \$0.0000 \$2.723,880.00 MAJOR COST DRIVERS, ROADWAY Total for Group 0005: <td< td=""></td<>
MAJOR COST DRIVERS, ROADWAY Total for Group 0002: \$0.00 Group 0003: Excavation - Soil 0004 A-MC-RDWY 1.00 LS \$0.0000 \$0.00 0344 203E10000 453,980.00 CY \$8.00000 \$3,631,840.00 EXCAVATION 453,980.00 CY \$8.00000 \$3,631,840.00 Group 0004: Excavation - Hazardous 0006 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$2.723,880.00 Croup 0006: Fill - Lime Modified Soil Image: Single Sing
Total for Group 0002: \$0.00 Group 0003: Excavation - Soil \$0.000 \$0.00 0004 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 453,980.00 CY \$8.00000 \$3,631,840.00 EXCAVATION 453,980.00 CY \$8.00000 \$3,631,840.00 Group 0004: Excavation - Hazardous Total for Group 0003: \$3,631,840.00 Group 0004: Excavation - Hazardous \$0.000 \$0.00 0006 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 0345 203E20000 453,980.00 CY \$6.00000 \$2,723,880.00 EMBANKMENT Total for Group 0005: \$2,723,880.00 Group 0005: \$2,723,880.00 O10 A-MC-RDWY 1.00 LS \$0.0000 \$0.00
0004 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 453,980.00 CY \$8.00000 \$3,631,840.00 EXCAVATION Total for Group 0003: \$3,631,840.00 Group 0003: \$3,631,840.00 Group 0004: Excavation - Hazardous Total for Group 0003: \$3,631,840.00 \$0.00 0006 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 Group 0005: Fill - Embankment (includes wasting excess excavation) Total for Group 0004: \$0.00 0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$2,723,880.00 0345 203E2000 453,980.00 CY \$6.00000 \$2,723,880.00 EMBANKMENT Total for Group 0005: \$2,723,880.00 Go10 \$0.00 \$0.00 010 A-MC-RDWY 1.00 LS \$0.000005: \$2,723,880.00 Group 0006: Fill - Lime Modi
0004 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 453,980.00 CY \$8.00000 \$3,631,840.00 EXCAVATION Total for Group 0003: \$3,631,840.00 Group 0003: \$3,631,840.00 Group 0004: Excavation - Hazardous Total for Group 0003: \$3,631,840.00 \$0.00 0006 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 Group 0005: Fill - Embankment (includes wasting excess excavation) Total for Group 0004: \$0.00 0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$2,723,880.00 0345 203E2000 453,980.00 CY \$6.00000 \$2,723,880.00 EMBANKMENT Total for Group 0005: \$2,723,880.00 Go10 \$0.00 \$0.00 010 A-MC-RDWY 1.00 LS \$0.000005: \$2,723,880.00 Group 0006: Fill - Lime Modi
0344 203E10000 453,980.00 CY \$8.00000 \$3,631,840.00 Total for Group 0003: \$3,631,840.00 Group 0004: Excavation - Hazardous 0006 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 Group 0005: Fill - Embankment (includes wasting excess excavation) 0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 0345 203E20000 453,980.00 CY \$6.00000 \$2,723,880.00 EMBANKMENT 453,980.00 CY \$6.00000 \$2,723,880.00 Group 0006: Fill - Lime Modified Soil 010 A-MC-RDWY 1.00 LS \$0.000 \$0.00 010 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 \$0.00 \$0.00 010 A-MC-RDWY 1.00 <t< td=""></t<>
Total for Group 0003: \$3,631,840.00 Group 0004: Excavation - Hazardous 0006 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY Total for Group 0004: \$0.00 Total for Group 0004: \$0.00 Group 0005: Fill - Embankment (includes wasting excess excavation) 0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 0345 203E20000 453,980.00 CY \$6.00000 \$2,723,880.00 Group 0006: Fill - Lime Modified Soil Total for Group 0005: \$2,723,880.00 Group 0005: \$2,723,880.00 \$0.00 010 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 0.00 CY \$7.00000 \$0.00
0006 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 Group 0005: Fill - Embankment (includes wasting excess excavation) 0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 0345 203E20000 453,980.00 CY \$6.00000 \$2,723,880.00 EMBANKMENT Total for Group 0005: \$2,723,880.00 Total for Group 0005: \$2,723,880.00 Group 0006: Fill - Lime Modified Soil 0010 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 0010 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 0346 205E10050 0.00 CY \$7.00000 \$0.00
0006 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 Group 0005: Fill - Embankment (includes wasting excess excavation) 0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 0345 203E20000 453,980.00 CY \$6.00000 \$2,723,880.00 EMBANKMENT Total for Group 0005: \$2,723,880.00 Total for Group 0005: \$2,723,880.00 Group 0006: Fill - Lime Modified Soil 0010 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 0010 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 0346 205E10050 0.00 CY \$7.00000 \$0.00
Total for Group 0004: \$0.00 Group 0005: Fill - Embankment (includes wasting excess excavation) 0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 0345 203E20000 453,980.00 CY \$6.00000 \$2,723,880.00 EMBANKMENT Total for Group 0005: \$2,723,880.00 Group 0006: Fill - Lime Modified Soil 0010 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 0346 205E10050 0.00 CY \$7.00000 \$0.00
0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 0345 203E20000 453,980.00 CY \$6.00000 \$2,723,880.00 0345 203E20000 453,980.00 CY \$6.00000 \$2,723,880.00 EMBANKMENT Total for Group 0005: \$2,723,880.00 Total for Group 0005: \$2,723,880.00 Group 0006: Fill - Lime Modified Soil 0010 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 \$0.00 0346 205E10050 0.00 CY \$7.00000 \$0.00
0007 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 0345 203E20000 453,980.00 CY \$6.00000 \$2,723,880.00 0345 203E20000 453,980.00 CY \$6.00000 \$2,723,880.00 EMBANKMENT Total for Group 0005: \$2,723,880.00 Total for Group 0005: \$2,723,880.00 Group 0006: Fill - Lime Modified Soil 0010 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 1.00 LS \$0.00000 \$0.00 \$0.00 0346 205E10050 0.00 CY \$7.00000 \$0.00
0345 203E20000 453,980.00 CY \$6.00000 \$2,723,880.00 Total for Group 0005: \$2,723,880.00 Group 0006: Fill - Lime Modified Soil 0010 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 0.00 CY \$7.00000 \$0.00
Total for Group 0005: \$2,723,880.00 Group 0006: Fill - Lime Modified Soil 0010 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 0.00 CY \$7.00000 \$0.00
Group 0006: Fill - Lime Modified Soil 0010 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY 0346 205E10050 0.00 CY \$7.00000 \$0.00
0010 A-MC-RDWY 1.00 LS \$0.00000 \$0.00 MAJOR COST DRIVERS, ROADWAY 0.00 CY \$7.00000 \$0.00
0346 205E10050 0.00 CY \$7.00000 \$0.00
LIME STABILIZED EMBANKMENT
0347 205E10300 0.00 TON \$5.00000 \$0.00
LIME Total for Group 0006: \$0.00
Group 0007: Fill - Borrow 0.00 CY \$8.0000 \$0.00 0011 A-MC-RDWY 0.00 CY \$8.00000 \$0.00
MAJOR COST DRIVERS, ROADWAY Total for Group 0007: \$0.00
Group 0008: Concrete Barrier 0012 A-MC-RDWY 1.00 LS \$0.0000 \$0.00
MAJOR COST DRIVERS, ROADWAY 1.00 ES \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.0000000 \$0.0000000 \$0.0000000 \$0.0000000 \$0.0000000 \$0.0000000 \$0.0000000 \$0.0000000 \$0.00000000 \$0.000000000000 \$0.00000000000000000000000000000000000
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Estimate: Alt I OH cont 7				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
CONCRETE BARRIER, SINGLE SLOP	E, TYPE B			
			Total for Group 0008: S	\$2,468,290.00
Group 0009: Subgrade Treatme	nt - Lime			
0014 A-MC-RDWY MAJOR COST DRIVERS, ROADWAY	1.00	LS	\$0.00000	\$0.00
0348 206E10000 LIME STABILIZED SUBGRADE	0.00	SY	\$1.85000	\$0.00
0349 206E10300 LIME	0.00	TON	\$10.00000	\$0.00
0350 206E11000 CURING COAT	0.00	SY	\$1.00000	\$0.00
0351 206E20000 TEST ROLLING	0.00	HOUR	\$4.00000	\$0.00
			Total for Group	0009: \$0.00
Group 0010: Subgrade Treatme	nt - Ceme	ent		
0016 A-MC-RDWY	155,020.00		\$2.50000	\$387,550.00
MAJOR COST DRIVERS, ROADWAY			Total for Group 0010:	\$387.550.00
One un 0011. Oute ano de Tre stress	at llada			+ ,
Group 0011: Subgrade Treatme	nt - Unde 1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, ROADWAY	1.00	LU		
			Total for Group	5 0011: \$0.00
Group 0012: Other Roadway Co	sts			
0019 A-OC-RDWY OTHER COSTS, ROADWAY	0.00	LS	\$0.00000	\$0.00
Contingency 0020 201E11000	0.00	15	\$856,500.00000	\$0.00
CLEARING AND GRUBBING				
0021 201E21800 TREE REMOVED, 18" SIZE	0.00	EACH	\$250.00000	\$0.00
0022 201E23000 TREE REMOVED, 30" SIZE	0.00	EACH	\$405.00000	\$0.00
0023 201E24800 TREE REMOVED, 48" SIZE	0.00	EACH	\$772.00000	\$0.00
0026 202E11000 STRUCTURE REMOVED	0.00	LS	\$9,310.13000	\$0.00
0028 202E35200	0.00	FT	\$0.00000	\$0.00
PIPE REMOVED, OVER 24" 0029 202E38000 GUARDRAIL REMOVED	0.00	FT	\$0.00000	\$0.00
0030 202E42206	0.00	EACH	\$0.00000	\$0.00
ANCHOR ASSEMBLY REMOVED 0031 202E58000 MANHOLE REMOVED	0.00	EACH	\$0.00000	\$0.00
0032 202E58100	0.00	EACH	\$0.00000	\$0.00
CATCH BASIN REMOVED 0033 202E75000	0.00	FT	\$0.00000	\$0.00
FENCE REMOVED 0034 204E45000	0.00	HOUR	\$126.59000	\$0.00

Estimate:	Alt I	OH cont	t 7
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Estimate: Alt I OH cont 7				PB Americas, Inc.
Line # <u>Item Number</u> Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	Extension
PROOF ROLLING				
0035 204E10000 SUBGRADE COMPACTION	0.00	SY	\$0.81000	\$0.00
0036 451E30000 SPECIAL - PRESSURE RELIEF J	0.00 OINT TYPE A	FT	\$0.00000	\$0.00
0037 606E13000 GUARDRAIL, TYPE 5	14,675.00	FT	\$14.00000	\$205,450.00
0038 606E22000	0.00	EACH	\$1,411.29597	\$0.00
ANCHOR ASSEMBLY, TYPE B-98 0039 606E22010	0.00	EACH	\$1,712.52574	\$0.00
ANCHOR ASSEMBLY, TYPE E-98 0040 606E26500	3 0.00	EACH	\$487.23435	\$0.00
ANCHOR ASSEMBLY, TYPE T 0041 606E35000	0.00	EACH	\$969.12750	\$0.00
BRIDGE TERMINAL ASSEMBLY, 0042 606E35100	TYPE 1 0.00	EACH	\$338.36354	\$0.00
BRIDGE TERMINAL ASSEMBLY, 0043 606E60010	TYPE 2	EACH	\$3,439.05897	\$0.00
IMPACT ATTENUATOR, TYPE 1-	98 (BIDIRECTION	AL)		
0044 607E15000 FENCE, TYPE 47	0.00	FI	\$0.00000	\$0.00
For Fencing 0423 304E20000 AGGREGATE BASE For Fencing	0.00	CY	\$0.00000	\$0.00
For Fencing 0424 601E32100 ROCK CHANNEL PROTECTION, For Fencing	0.00 TYPE B WITH FIL	-	\$0.00000	\$0.00
0425 607E40500 GATE, TYPE 47 For Fencing	0.00	EACH	\$731.31641	\$0.00
0426 625E32000 GROUND ROD For Fencing	0.00	EACH	\$0.00000	\$0.00
0466	0.00		\$0.00000	\$0.00
			Total for Grou	ıp 0012: \$205,450.00
Group 0014: Seeding & Mulo	ching / Soddir	ng		
0045 B-MC-ERCO MAJOR COST DRIVERS, EROSIO		LS	\$0.00000	\$0.00
0467 659E10000 SEEDING AND MULCHING	26,772.00	SY	\$1.00000	\$26,772.00
0531 660E25000	0.00	SY	\$15.00000	\$0.00
SODDING STAKED			Total for Gro	oup 0014: \$26,772.00
Group 0015: Rock Channel I	Protection			
0047 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, EROSIO 0469 601E32000	ON CONTROL 0.00	CY	\$75.00000	\$0.00
ROCK CHANNEL PROTECTION,				
			I otal f	or Group 0015: \$0.00
Group 0016: Erosion Control	l - Item 832			
0048 B-MC-ERCO	1.00	LS	\$0.00000	\$0.00
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Estimate: Alt I OH cont 7 Line # Item Number	Quantity	Units	PI Unit Price	3 Americas, Inc. Extension
Description Supplemental Description				
MAJOR COST DRIVERS, EROSION C				
0470 832E10000 STORM WATER POLLUTION PREVEN	1.00 NTION PLAN	LS	\$50,000.00000	\$50,000.00
0471 832E20000 EROSION CONTROL	170,000.00	EACH	\$1.00000	\$170,000.00
			Total for Group 0016: \$22	0,000.00
Group 0017: Other Erosion Cont	trol Costs			
	0.00	SY	\$0.00000	\$0.00
DITCH EROSION PROTECTION 0050 B-OC-ERCO	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, EROSION CONTROL 0051 659E00100		EACH	\$0.00000	\$0.00
SOIL ANALYSIS TEST 0052 659E00300	0.00	CY	\$0.00000	\$0.00
TOPSOIL 0053 659E14000	0.00	SY	\$0.00000	\$0.00
REPAIR SEEDING AND MULCHING 0054 659E15000	0.00	SY	\$0.71000	\$0.00
INTER-SEEDING 0055 659E20000	0.00	TON	\$410.06813	\$0.00
COMMERCIAL FERTILIZER 0056 659E31000	0.00	ACRE	\$0.00000	\$0.00
LIME 0057 659E35000	0.00	MGAL	\$5.00000	\$0.00
WATER 0058 659E40000	0.00	MSF	\$0.00000	\$0.00
MOWING			Total for Group 001	7: \$0.00
			•	·
Group 0018: Underdrains	4.00		#0.00000	* 0.00
0059 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00		\$0.00000	\$0.00
0062 605E05100 4" SHALLOW PIPE UNDERDRAINS	93,645.00	FI	\$8.00000	\$749,160.00
			Total for Group 0018: \$74	9,160.00
Group 0019: Culverts - Type A:	< 5'			
0474 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	LS	\$0.00000	\$0.00
0480 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$350.00000	\$0.00
Pipe Structures - Reinforced Concrete F 0481 C-MC-DRNG		EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Concrete Masonry	0.00	LAGIT	\$1,300.00000	ψ0.00
Concrete Masonry			Total for Group 001	9: \$0.00
Group 0021: Culverts, Type A: 5	5' - 10'			
0067 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0476 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$550.00000	\$0.00
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Estimate: Alt I OH cont 7				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
<u>Description</u> Supplemental Description				
Pipe Structures - Reinforced Concrete	5'-10' 66" to	78"		
0477 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE Concrete - Headwalls/wingwalls		EACH	\$1,500.00000	\$0.00
			Total for Grou	p 0021: \$0.00
Group 0022: Culverte Type A: 1				
Group 0022: Culverts, Type A: 1 0486 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE			·	
0487 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	0.00	FT	\$1,400.00000	\$0.00
Pipe Structures - Reinforced Concrete 0488 C-MC-DRNG	Pipe 10'-20' 0.00	EACH	\$1,500.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE Concrete Masonry				
Concrete Masonry			Total for Grou	p 0022: \$0.00
Group 0024: BMP's	1.00		¢0,0000	¢0.00
0076 C-MC-DRNG MAJOR COST DRIVERS, DRAINAGE	1.00	LS	\$0.00000	\$0.00
			Total for Grou	p 0024: \$0.00
Group 0025: Closed Storm Syst	em			
0077 C-MC-DRNG	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, DRAINAGE 0489 603E13400	18,743.00	FT	\$75.00000	\$1,405,725.00
30" CONDUIT, TYPE B (Average size) 0523 604E00800	196.00			
CATCH BASIN, NO. 3A			\$1,500.00000	\$294,000.00
0524 604E31500 MANHOLE, NO. 3	16.00	EACH	\$3,000.00000	\$48,000.00
0525 604E36601 PRECAST REINFORCED CONCRETE			\$1,250.00000	\$0.00
0526 Special	0.00		\$6,400,000.00000	\$0.00
Pump Station (Storm) 0527 Special	0.00	EACH	\$5,750.00000	\$0.00
Stormceptors 0529 Special	0.00	LS	\$109,000.00000	\$0.00
Retention basin improvements				
			Total for Group 0025:	\$1,747,725.00
Group 0026: Other Drainage Co	osts			
0078 C-OC-DRNG	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, DRAINAGE			Total for Grou	p 0026: \$0.00
Group 0027: Mainline - Travel L			- ¢0.0000	
0095 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT		LS	\$0.00000	\$0.00
0494 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg Base and Subgrade Co	78,463.00 Compaction	SY	\$68.00000	\$5,335,484.00
8:13:09AM Wednesday, December 01, 2010				Page 6 of 12

Estimate: Alt I OH cont 7				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
			Total for Group 0027:	\$5 335 /8/ 00
				ψ0,000,+04.00
Group 0028: Mainline - Outside	Shoulder			
0100 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT		LS	\$0.00000	\$0.00
0495 D-MC-PVMT 13" Reinforced Concrete Pavement Includes 6" Agg base and Subgrade Co	17,545.00	SY	\$68.00000	\$1,193,060.00
includes of Agg base and Subgrade Co	ompaction		Total for Group 0028:	\$1,193,060.00
Group 0030: Mainline - Inside S	houlder			
0115 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0496 D-MC-PVMT 13" Reinforced Concrete Pavement	19,110.00	SY	\$68.00000	\$1,299,480.00
Includes 6" Agg base and Subgrade Co	ompaction		T () (O 0000	#4 000 400 00
			Total for Group 0030:	\$1,299,480.00
Group 0031: Ramps (including s	shoulders))		
0122 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0497 D-MC-PVMT 13" Reinforced Concrete Pavement	25,969.00	SY	\$68.00000	\$1,765,892.00
Includes 6" Agg base and Subgrade Co	ompaction		Tatal fan Onaum 0004.	¢4 705 000 00
			Total for Group 0031:	\$1,765,892.00
Group 0032: Non - Mainline Lar	nes			
0132 D-MC-PVMT MAJOR COST DRIVERS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
0498 D-MC-PVMT Asphalt	13,933.00	SY	\$41.00000	\$571,253.00
Includes 3" 448, 9" 301, 6" Agg base a	nd Subgrade	Compaction	T () (O (O (O	
			Total for Group 0032	2: \$571,253.00
Group 0041: Other Pavement C	osts			
0163 D-OC-PVMT OTHER COSTS, PAVEMENT	1.00	LS	\$0.00000	\$0.00
officience of the second			Total for Grou	up 0041: \$0.00
Group 0042: Water Works				
0164 E-MC-WATR	0.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, WATER LIN 0165 E-OC-WATR	E 0.00	LS	\$0.00000	\$0.00
OTHER COSTS, WATER LINE			Total for Grou	up 0042: \$0.00
Group 0043: Sanitary Line	0.00	10	¢0,0000	¢0.00
0170 F-MC-SANI MAJOR COST DRIVERS, SANITARY S	0.00 SEWER	19	\$0.00000	\$0.00
8:13:09AM				Dogo 7 of 12

Estimate: Alt I OH cont 7				PB Americas, Inc.
Line # Item Number	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Description Supplemental Description				
			Total for Cro	
			Total for Gro	up 0043: \$0.00
Group 0044: Lighting - Full Inte	rchange			
0173 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	1.00	LS	\$0.00000	\$0.00
0499 G-MC-LTNG	3.00	EACH	\$469,000.00000	\$1,407,000.00
MAJOR COST DRIVERS, LIGHTING			Total for Group 0044:	\$1,407,000.00
				Ŧ) -)
Group 0045: Lighting - Partial I	v			
0288 G-MC-LTNG MAJOR COST DRIVERS, LIGHTING	0.00	LS	\$0.00000	\$0.00
			Total for Gro	up 0045: \$0.00
Group 0046: Lighting - Continu	ous Roady	vav		
0176 G-MC-LTNG	1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, LIGHTING 0500 G-MC-LTNG	21,768.00		\$35.00000	\$761,880.00
Lighting - Continuous	21,700.00			
			Total for Group 004	6: \$761,880.00
Group 0047: Other Lighting Co	sts			
0177 G-OC-LTNG	0.00	LS	\$0.00000	\$0.00
OTHER COSTS, LIGHTING			Total for Gro	up 0047: \$0.00
				up 0047. \$0.00
Group 0048: Traffic Surveillanc	e			
0178 H-OC-SURV OTHER COSTS, TRAFFIC SURVEILI	1.00 ANCE	LS	\$2,848,600.19000	\$2,848,600.19
	-		Total for Group 0048:	\$2,848,600.19
Group 0049: Signs				
Group 0049: Signs 0179 J-MC-TRAF	1.00	IS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC C	CONTROL		·	·
0501 J-MC-TRAF Signs	4.13		\$250,000.00000	\$1,032,500.00
			Total for Group 0049:	\$1,032,500.00
Group 0050: Pavement Marking	q			
0200 J-MC-TRAF	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, TRAFFIC C 0502 644E00100	CONTROL 17.83	MILE	\$3,000.00000	\$53,490.00
EDGE LINE 0503 644E00200		MILE	\$2,000.00000	\$17,840.00
LANE LINE	0.92			
			Total for Group 00	50: \$71,330.00

Group 0051: Other Traffic Control Costs

Estimate: Alt I OH cont 7 <u>Line #</u> <u>Item Number</u> <u>Description</u> <u>Supplemental Description</u>	Quantity	<u>Units</u>	PB A <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
0208 J-OC-TRAF	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, TRAFFIC CONTROL Group 0052: Signals - Intersection			Total for Group 0051:	\$0.00
0212 K-MC-SGNL		EACH	\$175,000.00000	\$612,500.00
MAJOR COST DRIVERS, SIGNALS			Total for Group 0052: \$612,	500.00
Group 0053: Other Traffic Signa	l Costs			
0213 K-OC-SGNL OTHER COSTS, SIGNALS	1.00	LS	\$0.00000	\$0.00
			Total for Group 0053:	\$0.00
Group 0054: Landscaping				
0214 L-MC-LSCP	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, LANDSCAPI 0215 L-OC-LSCP	NG 1.00	LS	\$0.00000	\$0.00
OTHER COSTS, LANDSCAPING			Total for Group 0054:	\$0.00
Croup 0055: Detaining Walls \$1		ft for on		
Group 0055: Retaining Walls \$12	/1.00 + 1.00		\$0.00000	\$0.00
MAJOR COST DRIVERS, RETAINING 0504 M-MC-WALL			·	9,593,495.00
Retaining Walls	,			
			Total for Group 0055: \$19,593,	495.00
Group 0056: Other Retaining Wa			•• ••••	A
0217 M-OC-WALL OTHER COSTS, RETAINING WALLS	1.00	LS	\$0.00000	\$0.00
			Total for Group 0056:	\$0.00
Group 0057: Building Demolition				
0218 N-MC-DEMO MAJOR COST DRIVERS, BUILDING D		LS	\$0.00000	\$0.00
0219 N-OC-DEMO OTHER COSTS, BUILDING DEMOLITI	1.00	LS	\$0.00000	\$0.00
0532 202E98100 REMOVAL MISC.: Radio Tower	0.00	EACH	\$8,500.00000	\$0.00
0533 202E56101 BUILDING DEMOLISHED, AS PER PLA Large Commercial	1.00 AN	EACH	\$30,000.00000	\$30,000.00
0534 202E56101 BUILDING DEMOLISHED, AS PER PLA Small Commercial	3.00 AN	EACH	\$15,000.00000	\$45,000.00
0535 202E56101 BUILDING DEMOLISHED, AS PER PLA Large Residential	0.00 AN	EACH	\$12,000.00000	\$0.00
0536 202E56101 8:13:09AM	0.00	EACH	\$7,500.00000	\$0.00

Estimate: Alt I OH cont 7				PB Americas, Inc.
Line # Item Number Description	<u>Quantity</u>	<u>Units</u>	Unit Price	Extension
Supplemental Description				
BUILDING DEMOLISHED, AS PER Small Residential	PLAN			
			Total for Group 0057:	\$75,000.00
Group 0058: Noise Barrier				
0220 P-MC-NSBR MAJOR COST DRIVERS, NOISE BA	1.00 ARRIER	LS	\$0.00000	\$0.00
0505 P-MC-NSBR Noise Barrier	0.00	LS	\$400.00000	\$0.00
			Total for Group (0058: \$0.00
Group 0059: Other Noise Barr	ier Costs			
0221 P-OC-NSBR	1.00	LS	\$0.00000	\$0.00
OTHER COSTS, NOISE BARRIER 0368 P-MC-NSBR MAJOR COST DRIVERS, NOISE BA		LS	\$0.00000	\$0.00
			Total for Group (0059: \$0.00
Group 0060: New Structures				
0222 R-MC-STRC	1.00	LS	\$0.00000	\$0.00
MAJOR COST DRIVERS, STRUCTU 0506 R-MC-STRC	JRES 65,593.00	SF	\$125.00000	\$8,199,125.00
Tier 1 Structures to 25' Height 0507 R-MC-STRC	0.00		\$12.00000	\$0.00
Removal of Existing Structures non-	complex		·	
0508 R-MC-STRC Standard Removal of Existing Struct	396,141.00 ures above aver		\$17.00000 plex	\$6,734,397.00
0509 R-MC-STRC Removal of Existing Structures comp	267,295.00		\$30.00000	\$8,018,850.00
0513 R-MC-STRC Tier 2 Structures 25' to 50' Height	631,959.00		\$150.00000	\$94,793,850.00
0516 R-MC-STRC Tier 3 Structures 50' to 75' Height	591,129.00	SF	\$200.00000	\$118,225,800.00
The o officiales of to ro fleight			Total for Group 0060: \$235	,972,022.00
Group 0061: Rehabilitated Str	uctures			
0223 R-MC-STRC	0.00	SF	\$45.00000	\$0.00
MAJOR COST DRIVERS, STRUCTU	JRES		Total for Group (0061 \$0.00
				νοι. φυ.υυ
Group 0062: Other Structure 0	Costs			
0224 R-OC-STRC OTHER COSTS, STRUCTURES <i>Contingency</i>	0.00	LS	\$0.00000	\$0.00
			Total for Group (062: \$0.00
Group 0063: Temporary Road	and Paven	nent Co	osts	
0225 S-MC-MNTC	1.00		\$0.00000	\$0.00

Estimate: Alt I OH cont 7 Line # Item Number Quantity Units Description Supplemental Description	PB A <u>Unit Price</u>	Americas, Inc. <u>Extension</u>
	Total for Group 0063:	\$0.00
Group 0064: Portable Concrete Barrier (PCB)		
0226 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0064:	\$0.00
Group 0065: Impact Attenuators		
0227 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0065:	\$0.00
Group 0066: Sheeting		
0229 S-MC-MNTC 1.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0066:	\$0.00
Group 0067: Temporary Signals		
0230 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0067:	\$0.00
Group 0068: Work Zone Lighting		
0231 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0068:	\$0.00
Group 0069: Innovative Contracting Incentatives		
0232 S-MC-MNTC 0.00 LS MAJOR COST DRIVERS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
	Total for Group 0069:	\$0.00
Group 0070: Other MOT Costs		
0233 S-OC-MNTC 1.00 LS OTHER COSTS, MAINTENANCE OF TRAFFIC	\$0.00000	\$0.00
0512 S-OC-MNTC 4.13 MILE OTHER COSTS, MAINTENANCE OF TRAFFIC	\$500,000.00000 \$	2,065,000.00
	Total for Group 0070: \$2,065,	000.00
Group 0071: Wetland Construction		
0234 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
0360 T-MC-WTLD 0.00 LS MAJOR COST DRIVERS, WETLAND CONSTRUCTION	\$0.00000	\$0.00
	Total for Group 0071:	\$0.00

Group 0072: Misc. Costs

Estimate: Alt I OH cont 7				PB Americas, Inc.
Line # Item Number Description Supplemental Description	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0235 U-MC-MISC MAJOR COST DRIVERS, MISCEL	0.00 LANEOUS COST		\$0.00000	\$0.00
0236 U-OC-MISC OTHER COSTS, MISCELLANEOU	0.00		\$0.00000	\$0.00
0237 100E00300	1.00		\$10,000.00000 LIC LIABILITY AND PROPERTY DAI	\$10,000.00 MAGE
0238 623E10000 CONSTRUCTION LAYOUT STAKE 0.5%	1.00 S	LS	\$1,438,543.10000	\$1,438,543.10
0239 614E11000 MAINTAINING TRAFFIC 2%	1.00	LS	\$5,754,172.38000	\$5,754,172.38
0240 619E16020 FIELD OFFICE, TYPE C	44.00	MNTH	\$2,500.00000	\$110,000.00
0242 624E10000 MOBILIZATION	1.00	LS	\$2,000,000.00000	\$2,000,000.00
0511 103E05000 PREMIUM FOR CONTRACT PERF 0.5%	1.00 FORMANCE BON		\$1,438,543.10000 FOR PAYMENT BOND	\$1,438,543.10
			Total for Group 0072:	\$10,751,258.58
Group 0073: Design Continge	encv Costs			
0243 V-MC-CNTG MAJOR COST DRIVERS, CONTIN 25%	1.00	LS	\$74,614,969.44000	\$74,614,969.44
0244 V-OC-CNTG OTHER COSTS, CONTINGENCY (1.00	LS	\$0.00000	\$0.00
OTHER OCOTO, CONTINUEROT			Total for Group 0073:	\$74,614,969.44
Group 0074: Inflation Conting				
0266 V-OC-CNTG OTHER COSTS, CONTINGENCY (0.00 COSTS	LS	\$0.00000	\$0.00
,			Total for Gr	oup 0074: \$0.00

PID	89068	County	HAM	Route	75	Section	0.22	This R/W Acquisition cost estimate
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Macro View Attributes															
Acquisition	Unit (SF) or (Acreage)	x	Cost/Unit (\$\$/SF) (\$\$/Acre)	Subtotal Land Value	+	Structure Values (if Taken)	+	Damages (Loss in Value to the Residue)	Subtotal Structures & Damages	=	Total Non Labor Acquisition Costs	Parcel Count	Total Takes	Partial Takes	No Struc Impa
-Residential	0	х	\$0.00	\$0	+	0	+	N/A	\$0.00	I	\$0.00	0	0	0	
-Commercial	1.89	х	\$523,138.30	\$988,731	+	6684870	+	N/A	\$6,684,870.00	=	\$7,673,601.39	10	3	7	
-Industrial	5.85	Х	\$159,395.56	\$932,464	+	3740	+	N/A	\$3,740.00	=	\$936,204.03	19	8	11	
-Agricultural	0	Х	\$0.00	\$0	+	0	+	N/A	\$0.00	"	\$0.00	0	0	0	
Relocation	Unit (Displacement)	x	*RHF	9/*RSP	+	Move Cost	+			te amount of time all RAP parcels	-				
-Residential Owner Occupant Tenant	0	x x	-	4,000 0,000	++	\$6,000 \$1,750				= =	\$0 \$0		e number of year uisition begins =	rs until proje	ct wide F 2
-Commerical/Farm/NPO Owner Tenant	3 22				x x	\$15,000 \$15,000	++	\$10,000 = \$10,000 =		\$75,000 \$550,000					
-Personal Property	0				Х	\$1,000				=	\$0				
{[(Total Cost of Acquisition Cost)x	0.90]x0.025}+{[(Total c Cost)x0.10]x1.50}			15]x1.20}+{[(Total	of Ac	quisition	Contingency (Incidentals, Admin. Review & Appropriation) 3034956.		3034956.408	956.408 *RHP - Replacement Housing Payment *RSP - Rent Supplemental Payment			t		
								Total Non Lab	or R/W Costs		\$12,269,761.82		on-Profit Organiza	-	

Macro View					
Labor (External)	Unit (Parcels)	Х	Unit Price	=	Total Cost
Titles	29	Х	\$400	=	\$11,600
Appraisal -Simple -Detailed	4 25	x x	\$750 \$4,500	=	\$3,000 \$112,500
Appraisal Review -Simple -Detailed	4 25	x x	\$500 \$2,000	=	\$2,000 \$50,000
Negotiations	29	Х	\$1,100	=	\$31,900
Relocations -Personal Property -Residential -Commercial/Farm/*NPO	0 0 25	x x x	\$1,500 \$5,200 \$5,600	= =	\$0 \$0 \$140,000
Closings	29	Х	\$400	=	\$11,600
Project Management	29	Х	\$550	=	\$15,950
Asbestos Testing & Abatement		Х		=	
		\$378,550			
*NPO = Non-Profit Organization					

This R/W Cost Estimate Prepared by					
Chris Clemons					
This R/W Cost Estimate was performed at Step					
of the PDP for	MAJOR	Projects using			
		-			

Total R/W Costs	\$13,685,473
Inflation Adjustments	\$1,037,161.
Total Non Labor R/W Costs	\$12,269,761
Total Labor Costs	\$378,550.0

P.D.P. R/W Cost Estimator

