

## Appendix G. Cost Opinions

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I-10/I-17 "Spine" Corridor Master Plan

Cost Opinion Unit Cost Assumptions

Spine Unit Cost Assumptions			
Series	Items	Unit	Unit Cost
200	Bridge Removal	EA	\$ 250,000
	Pavement Removal	SY	\$ 15
	Earthwork	CY	\$ 10
	Contingency and Unidentified Items	LS	30%
300 / 400	New PCCP w/base & AR	SY	\$ 40
	New AC w/ base	SY	\$ 35
	Rehab Pavement	SY	\$ 10
	Contingency and Unidentified Items	LS	15%
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000
	Drainage on-site (Retrofit)	MI	\$ 400,000
	Drainage off-site	LS	Varies
	Contingency and Unidentified Items	LS	30%
600	New Bridges	SF	\$ 130
	Rehab Bridges	LS	Varies
	Contingency and Unidentified Items	LS	10%
700	MOT (high)	MI	\$ 10,000,000
	MOT (low)	MI	\$ 1,700,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000
	Existing FMS Modifications	LS	Varies
	New ITS	MI	\$ 3,500,000
	Tolling Infrastructure	MI	\$ 600,000
	Contingency and Unidentified Items	LS	30%
	800	Landscaping	MI
Utilities		MI	\$ 1,000,000
Park and Ride Lot Expansion		LS	\$ 8,000,000
Contingency and Unidentified Items		LS	40%
900		Retaining Walls (Assume H(avg)=15')	LF
	Sound Walls (Assume H(avg)=15')	LF	\$ 525
	Roadway Appurtences	MI	\$ 1,000,000
	New Bike / Ped Bridges	EA	\$ 2,500,000
	Bike / Ped TI Upgrades	EA	\$ 600,000
	Contingency and Unidentified Items	LS	20%
	Other	Mobilization	LS
Construction Engineering		LS	9%
Contractor Quality/Survey		LS	3%
Construction Contingency		LS	5%
Enviromental Mitigation		MI	\$ 1,000,000
Design		LS	8%
ROW		Acre	\$ 1,500,000
ICAP		LS	10.14%

DOES NOT INCLUDE LIFECYCLE COSTS

I-10/I-17 "Spine" Corridor Master Plan

Detailed Cost Opinion

				I-17 Drainage	
Series	Items	Unit	Unit Cost	Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	0	\$ -
	Pavement Removal	SY	\$ 15	46,000	\$ 690,000
	Earthwork	CY	\$ 10	90,000	\$ 900,000
	Contingency and Unidentified Items	LS	30%	1	\$ 477,000
300 / 400	New PCCP w/base & AR	SY	\$ 40	7,000	\$ 280,000
	New AC w/ base	SY	\$ 35	40,000	\$ 1,400,000
	Rehab Pavement	SY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	15%	1	\$ 252,000
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Drainage on-site (Retrofit)	MI	\$ 400,000	4	\$ 1,600,000
	Drainage off-site	LS	Varies	1	\$ 8,000,000
	Contingency and Unidentified Items	LS	30%	1	\$ 2,880,000
	600	New Bridges	SF	\$ 130	0
Rehab Bridges		LS	Varies	1	\$ -
Contingency and Unidentified Items		LS	10%	1	\$ -
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	0.30	\$ 510,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	1	\$ 400,000
	Existing FMS Modifications	LS	Varies	1	\$ 250,000
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 348,000
	800	Landscaping	MI	\$ 500,000	1
Utilities		MI	\$ 1,000,000	0.25	\$ 250,000
Park and Ride Lot Expansion		LS	\$ 8,000,000	0	\$ -
Contingency and Unidentified Items		LS	40%	1	\$ 300,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	0	\$ -
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	0	\$ -
	Roadway Appurtences	MI	\$ 1,000,000	0.5	\$ 500,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	20%	1	\$ 100,000
				<b>Subtotal:</b>	<b>\$ 19,637,000</b>
Other	Mobilization	LS	8%	1	\$ 1,570,960
	Construction Engineering	LS	9%	1	\$ 1,952,900
	Contractor Quality/Survey	LS	3%	1	\$ 490,925
	Construction Contingency	LS	5%	1	\$ 1,084,944
	Enviromental Mitigation	MI	\$ 1,000,000	0.25	\$ 250,000
	Design	LS	8%	1	\$ 1,735,911
	ROW	Acre	\$ 1,500,000	0	\$ -
				<b>Subtotal:</b>	<b>\$ 26,722,640</b>
ICAP		LS	10.14%	1	\$ 2,709,676
				<b>Total:</b>	<b>\$ 29,432,315</b>

I-10/I-17 "Spine" Corridor Master Plan  
Detailed Cost Opinion

				I-17 / Central Avenue Bridge Replacement	
Series	Items	Unit	Unit Cost	Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	1	\$ 250,000
	Pavement Removal	SY	\$ 15	32,080	\$ 481,200
	Earthwork	CY	\$ 10	50,000	\$ 500,000
	Contingency and Unidentified Items	LS	30%	1	\$ 369,360
300 / 400	New PCCP w/base & AR	SY	\$ 40	40,100	\$ 1,604,000
	New AC w/ base	SY	\$ 35	0	\$ -
	Rehab Pavement	SY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	15%	1	\$ 240,600
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Drainage on-site (Retrofit)	MI	\$ 400,000	1	\$ 400,000
	Drainage off-site	LS	Varies	1	\$ 500,000
	Contingency and Unidentified Items	LS	30%	1	\$ 270,000
600	New Bridges	SF	\$ 130	53,400	\$ 6,942,000
	Rehab Bridges	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	10%	1	\$ 694,200
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	1	\$ 1,700,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	1	\$ 400,000
	Existing FMS Modifications	LS	Varies	1	\$ 200,000
	New ITS	MI	\$ 3,500,000.00	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 690,000
800	Landscaping	MI	\$ 500,000	0.5	\$ 250,000
	Utilities	MI	\$ 1,000,000	1	\$ 1,000,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	1	\$ 500,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	2,808	\$ 2,316,600
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	0	\$ -
	Roadway Appurtences	MI	\$ 1,000,000	0.5	\$ 500,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	20%	1	\$ 563,320
				<b>Subtotal:</b>	<b>\$ 20,371,280</b>
Other	Mobilization	LS	8%	1	\$ 1,629,702
	Construction Engineering	LS	9%	1	\$ 2,025,924
	Contractor Quality/Survey	LS	3%	1	\$ 509,282
	Construction Contingency	LS	5%	1	\$ 1,125,513
	Enviromental Mitigation	MI	\$ 1,000,000	1	\$ 1,000,000
	Design	LS	8%	1	\$ 1,800,821
	ROW	Acre	\$ 1,500,000	1.4	\$ 2,100,000
				<b>Subtotal:</b>	<b>\$ 30,562,523</b>
ICAP		LS	10.14%	1	\$ 3,099,040
				<b>Total:</b>	<b>\$ 33,661,562</b>

I-10/I-17 "Spine" Corridor Master Plan  
Detailed Cost Opinion

				I-17 / Indian School TI	
Series	Items	Unit	Unit Cost	Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	1	\$ 250,000
	Pavement Removal	SY	\$ 15	31,360	\$ 470,400
	Earthwork	CY	\$ 10	60,000	\$ 600,000
	Contingency and Unidentified Items	LS	30%	1	\$ 396,120
300 / 400	New PCCP w/base & AR	SY	\$ 40	19,400	\$ 776,000
	New AC w/ base	SY	\$ 35	19,800	\$ 693,000
	Rehab Pavement	SY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	15%	1	\$ 220,350
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Drainage on-site (Retrofit)	MI	\$ 400,000	1	\$ 400,000
	Drainage off-site	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 120,000
600	New Bridges	SF	\$ 130	38,600	\$ 5,018,000
	Rehab Bridges	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	10%	1	\$ 501,800
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	1	\$ 1,700,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	1	\$ 1,500,000
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	0	\$ -
	Existing FMS Modifications	LS	Varies	1	\$ 150,000
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 1,005,000
800	Landscaping	MI	\$ 500,000	1	\$ 500,000
	Utilities	MI	\$ 1,000,000	2	\$ 2,000,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	1	\$ 1,000,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	2,036	\$ 1,679,700
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	800	\$ 420,000
	Roadway Appurtences	MI	\$ 1,000,000	1	\$ 1,000,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	1	\$ 600,000
	Contingency and Unidentified Items	LS	20%	1	\$ 739,940
				<b>Subtotal:</b>	<b>\$ 21,740,310</b>
Other	Mobilization	LS	8%	1	\$ 1,739,225
	Construction Engineering	LS	9%	1	\$ 2,162,074
	Contractor Quality/Survey	LS	3%	1	\$ 543,508
	Construction Contingency	LS	5%	1	\$ 1,201,152
	Enviromental Mitigation	MI	\$ 1,000,000	1	\$ 1,000,000
	Design	LS	8%	1	\$ 1,921,843
	ROW	Acre	\$ 1,500,000	1.3	\$ 1,950,000
				<b>Subtotal:</b>	<b>\$ 32,258,112</b>
ICAP		LS	10.14%	1	\$ 3,270,973
				<b>Total:</b>	<b>\$ 35,529,084</b>

**I-10/I-17 "Spine" Corridor Master Plan**  
Detailed Cost Opinion

Series	Items	Unit	Unit Cost	I-10 Split to SR-202L	
				Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	3	\$ 750,000
	Pavement Removal	SY	\$ 15	186,440	\$ 2,796,602
	Earthwork	CY	\$ 10	3,000,000	\$ 30,000,000
	Contingency and Unidentified Items	LS	30%	1	\$ 10,063,980
300 / 400	New PCCP w/base & AR	SY	\$ 40	621,467	\$ 24,858,680
	New AC w/ base	SY	\$ 35	27,500	\$ 962,500
	Rehab Pavement	SY	\$ 10	405,900	\$ 4,059,000
	Contingency and Unidentified Items	LS	15%	1	\$ 4,482,027
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	3	\$ 4,500,000
	Drainage on-site (Retrofit)	MI	\$ 400,000	7	\$ 2,800,000
	Drainage off-site	LS	Varies	1	\$ 6,500,000
	Contingency and Unidentified Items	LS	30%	1	\$ 4,140,000
600	New Bridges	SF	\$ 130	321,326	\$ 41,772,380
	Rehab Bridges	LS	Varies	1	\$ -
	Contingency and Unidentified Items	LS	10%	1	\$ 4,177,238
700	MOT (high)	MI	\$ 10,000,000	3	\$ 30,000,000
	MOT (low)	MI	\$ 1,700,000	7	\$ 12,240,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	3	\$ 4,500,000
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	7	\$ 2,800,000
	Existing FMS Modifications	LS	Varies	1	\$ -
	New ITS	MI	\$ 3,500,000	10	\$ 35,000,000
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 25,362,000
800	Landscaping	MI	\$ 500,000	10.5	\$ 5,250,000
	Utilities	MI	\$ 1,000,000	5.5	\$ 5,500,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	1	\$ 4,300,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	19,640	\$ 16,203,000
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	2,811	\$ 1,475,775
	Roadway Appurtences	MI	\$ 1,000,000	10.6	\$ 10,600,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	4	\$ 10,000,000
	Bike / Ped TI Upgrades	EA	\$ 600,000	2	\$ 1,200,000
	Contingency and Unidentified Items	LS	20%	1	\$ 7,895,755
			<b>Subtotal:</b>	<b>\$ 314,188,937</b>	
Other	Mobilization	LS	8%	1	\$ 25,135,115
	Construction Engineering	LS	9%	1	\$ 31,246,090
	Contractor Quality/Survey	LS	3%	1	\$ 7,854,723
	Construction Contingency	LS	5%	1	\$ 17,358,939
	Environmental Mitigation	MI	\$ 1,000,000	10	\$ 10,000,000
	Design	LS	8%	1	\$ 27,774,302
	ROW	Acre	\$ 1,500,000	5.8	\$ 8,700,000
			<b>Subtotal:</b>	<b>\$ 442,258,106</b>	
	ICAP	LS	10.14%	1	\$ 44,844,972
			<b>Total:</b>	<b>\$ 487,103,078</b>	

**I-10/I-17 "Spine" Corridor Master Plan**  
Detailed Cost Opinion

Series	Items	Unit	Unit Cost	I-17 / Camelback TI	
				Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	1	\$ 250,000
	Pavement Removal	SY	\$ 15	6,420	\$ 96,300
	Earthwork	CY	\$ 10	80,000	\$ 800,000
	Contingency and Unidentified Items	LS	30%	1	\$ 343,890
300 / 400	New PCCP w/base & AR	SY	\$ 40	21,400	\$ 856,000
	New AC w/ base	SY	\$ 35	24,200	\$ 847,000
	Rehab Pavement	SY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	15%	1	\$ 255,450
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Drainage on-site (Retrofit)	MI	\$ 400,000	1	\$ 400,000
	Drainage off-site	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 120,000
600	New Bridges	SF	\$ 130	63,100	\$ 8,203,000
	Rehab Bridges	LS	Varies	1	\$ 250,000
	Contingency and Unidentified Items	LS	10%	1	\$ 845,300
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	1	\$ 1,700,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	1	\$ 1,500,000
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	0	\$ -
	Existing FMS Modifications	LS	Varies	1	\$ 150,000
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 1,005,000
800	Landscaping	MI	\$ 500,000	1	\$ 500,000
	Utilities	MI	\$ 1,000,000	2	\$ 2,000,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	1	\$ 1,000,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	2,130	\$ 1,757,250
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	800	\$ 420,000
	Roadway Appurtences	MI	\$ 1,000,000	1	\$ 1,000,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	1	\$ 600,000
	Contingency and Unidentified Items	LS	20%	1	\$ 755,450
			<b>Subtotal:</b>	<b>\$ 25,654,640</b>	
Other	Mobilization	LS	8%	1	\$ 2,052,371
	Construction Engineering	LS	9%	1	\$ 2,551,354
	Contractor Quality/Survey	LS	3%	1	\$ 641,366
	Construction Contingency	LS	5%	1	\$ 1,417,419
	Environmental Mitigation	MI	\$ 1,000,000	1	\$ 1,000,000
	Design	LS	8%	1	\$ 2,267,870
	ROW	Acre	\$ 1,500,000	4.7	\$ 7,050,000
			<b>Subtotal:</b>	<b>\$ 42,635,020</b>	
	ICAP	LS	10.14%	1	\$ 4,323,191
			<b>Total:</b>	<b>\$ 46,958,211</b>	

**I-10/I-17 "Spine" Corridor Master Plan**  
Detailed Cost Opinion

Series	Items	Unit	Unit Cost	I-17 / Northern TI	
				Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	1	\$ 250,000
	Pavement Removal	SY	\$ 15	31,200	\$ 468,000
	Earthwork	CY	\$ 10	60,000	\$ 600,000
	Contingency and Unidentified Items	LS	30%	1	\$ 395,400
300 / 400	New PCCP w/base & AR	SY	\$ 40	23,000	\$ 920,000
	New AC w/ base	SY	\$ 35	16,000	\$ 560,000
	Rehab Pavement	SY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	15%	1	\$ 222,000
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Drainage on-site (Retrofit)	MI	\$ 400,000	1	\$ 400,000
	Drainage off-site	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 120,000
600	New Bridges	SF	\$ 130	38,800	\$ 5,044,000
	Rehab Bridges	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	10%	1	\$ 504,400
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	1	\$ 1,700,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	1	\$ 1,500,000
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	0	\$ -
	Existing FMS Modifications	LS	Varies	1	\$ 150,000
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 1,005,000
800	Landscaping	MI	\$ 500,000	1	\$ 500,000
	Utilities	MI	\$ 1,000,000	2	\$ 2,000,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	1	\$ 1,000,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	2,427	\$ 2,002,275
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	800	\$ 420,000
	Roadway Appurtences	MI	\$ 1,000,000	1	\$ 1,000,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	1	\$ 600,000
	Contingency and Unidentified Items	LS	20%	1	\$ 804,455
			<b>Subtotal:</b>	<b>\$ 22,165,530</b>	
Other	Mobilization	LS	8%	1	\$ 1,773,242
	Construction Engineering	LS	9%	1	\$ 2,204,362
	Contractor Quality/Survey	LS	3%	1	\$ 554,138
	Construction Contingency	LS	5%	1	\$ 1,224,646
	Environmental Mitigation	MI	\$ 1,000,000	1	\$ 1,000,000
	Design	LS	8%	1	\$ 1,959,433
	ROW	Acre	\$ 1,500,000	2.3	\$ 3,450,000
			<b>Subtotal:</b>	<b>\$ 34,331,351</b>	
	ICAP	LS	10.14%	1	\$ 3,481,199
			<b>Total:</b>	<b>\$ 37,812,550</b>	

**I-10/I-17 "Spine" Corridor Master Plan**  
Detailed Cost Opinion

Series	Items	Unit	Unit Cost	I-17 Split to 19th Ave	
				Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	14	\$ 3,500,000
	Pavement Removal	SY	\$ 15	356,574	\$ 5,348,604
	Earthwork	CY	\$ 10	1,200,000	\$ 12,000,000
	Contingency and Unidentified Items	LS	30%	1	\$ 6,254,581
300 / 400	New PCCP w/base & AR	SY	\$ 40	398,317	\$ 15,932,680
	New AC w/ base	SY	\$ 35	47,400	\$ 1,659,000
	Rehab Pavement	SY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	15%	1	\$ 2,638,752
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	3.5	\$ 5,250,000
	Drainage on-site (Retrofit)	MI	\$ 400,000	0	\$ -
	Drainage off-site	LS	Varies	1	\$ 5,000,000
	Contingency and Unidentified Items	LS	30%	1	\$ 3,075,000
600	New Bridges	SF	\$ 130	173,000	\$ 22,490,000
	Rehab Bridges	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	10%	1	\$ 2,249,000
700	MOT (high)	MI	\$ 10,000,000	3.5	\$ 35,000,000
	MOT (low)	MI	\$ 1,700,000	0	\$ -
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	3.5	\$ 5,250,000
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	1	\$ 400,000
	Existing FMS Modifications	LS	Varies	1	\$ -
	New ITS	MI	\$ 3,500,000	3.5	\$ 12,250,000
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 15,870,000
800	Landscaping	MI	\$ 500,000	3.5	\$ 1,750,000
	Utilities	MI	\$ 1,000,000	3.5	\$ 3,500,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	1	\$ 2,100,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	36,100	\$ 29,782,500
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	10,000	\$ 5,250,000
	Roadway Appurtences	MI	\$ 1,000,000	3.5	\$ 3,500,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	4	\$ 2,400,000
	Contingency and Unidentified Items	LS	20%	1	\$ 8,186,500
			<b>Subtotal:</b>	<b>\$ 210,636,617</b>	
Other	Mobilization	LS	8%	1	\$ 16,850,929
	Construction Engineering	LS	9%	1	\$ 20,947,812
	Contractor Quality/Survey	LS	3%	1	\$ 5,265,915
	Construction Contingency	LS	5%	1	\$ 11,637,673
	Environmental Mitigation	MI	\$ 1,000,000	3.5	\$ 3,500,000
	Design	LS	8%	1	\$ 18,620,277
	ROW	Acre	\$ 1,500,000	10.6	\$ 15,900,000
			<b>Subtotal:</b>	<b>\$ 303,359,224</b>	
	ICAP	LS	10.14%	1	\$ 30,760,625
			<b>Total:</b>	<b>\$ 334,119,849</b>	

**I-10/I-17 "Spine" Corridor Master Plan**  
Detailed Cost Opinion

Series	Items	Unit	Unit Cost	I-17 / Glendale TI	
				Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	1	\$ 250,000
	Pavement Removal	SY	\$ 15	17,400	\$ 261,000
	Earthwork	CY	\$ 10	60,000	\$ 600,000
	Contingency and Unidentified Items	LS	30%	1	\$ 333,300
300 / 400	New PCCP w/base & AR	SY	\$ 40	20,300	\$ 812,000
	New AC w/ base	SY	\$ 35	14,500	\$ 507,500
	Rehab Pavement	SY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	15%	1	\$ 197,925
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Drainage on-site (Retrofit)	MI	\$ 400,000	1	\$ 400,000
	Drainage off-site	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 120,000
600	New Bridges	SF	\$ 130	41,500	\$ 5,395,000
	Rehab Bridges	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	10%	1	\$ 539,500
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	1	\$ 1,700,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	1	\$ 1,500,000
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	0	\$ -
	Existing FMS Modifications	LS	Varies	1	\$ 150,000
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 1,005,000
800	Landscaping	MI	\$ 500,000	1	\$ 500,000
	Utilities	MI	\$ 1,000,000	2	\$ 2,000,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	1	\$ 1,000,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	2,209	\$ 1,822,425
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	1,600	\$ 840,000
	Roadway Appurtences	MI	\$ 1,000,000	1	\$ 1,000,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	1	\$ 600,000
	Contingency and Unidentified Items	LS	20%	1	\$ 852,485
			<b>Subtotal:</b>	<b>\$ 22,386,135</b>	
Other	Mobilization	LS	8%	1	\$ 1,790,891
	Construction Engineering	LS	9%	1	\$ 2,226,301
	Contractor Quality/Survey	LS	3%	1	\$ 559,653
	Construction Contingency	LS	5%	1	\$ 1,236,834
	Environmental Mitigation	MI	\$ 1,000,000	1	\$ 1,000,000
	Design	LS	8%	1	\$ 1,978,934
	ROW	Acre	\$ 1,500,000	2.3	\$ 3,450,000
			<b>Subtotal:</b>	<b>\$ 34,628,749</b>	
	ICAP	LS	10.14%	1	\$ 3,511,355
			<b>Total:</b>	<b>\$ 38,140,104</b>	

**I-10/I-17 "Spine" Corridor Master Plan**  
Detailed Cost Opinion

Series	Items	Unit	Unit Cost	I-17 / Thunderbird TI	
				Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	2	\$ 500,000
	Pavement Removal	SY	\$ 15	60,200	\$ 903,000
	Earthwork	CY	\$ 10	250,000	\$ 2,500,000
	Contingency and Unidentified Items	LS	30%	1	\$ 1,170,900
300 / 400	New PCCP w/base & AR	SY	\$ 40	96,100	\$ 3,844,000
	New AC w/ base	SY	\$ 35	24,300	\$ 850,500
	Rehab Pavement	SY	\$ 10	17,600	\$ 176,000
	Contingency and Unidentified Items	LS	15%	1	\$ 730,575
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	1	\$ 1,500,000
	Drainage on-site (Retrofit)	MI	\$ 400,000	1	\$ 400,000
	Drainage off-site	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 570,000
600	New Bridges	SF	\$ 130	62,100	\$ 8,073,000
	Rehab Bridges	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	10%	1	\$ 807,300
700	MOT (high)	MI	\$ 10,000,000	1	\$ 10,000,000
	MOT (low)	MI	\$ 1,700,000	0	\$ -
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	1	\$ 1,500,000
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	1	\$ 400,000
	Existing FMS Modifications	LS	Varies	1	\$ 1,500,000
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 4,020,000
800	Landscaping	MI	\$ 500,000	2	\$ 1,000,000
	Utilities	MI	\$ 1,000,000	2	\$ 2,000,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	1	\$ 1,200,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	6,159	\$ 5,081,175
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	1,562	\$ 820,050
	Roadway Appurtences	MI	\$ 1,000,000	1.5	\$ 1,500,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	1	\$ 600,000
	Contingency and Unidentified Items	LS	20%	1	\$ 1,600,245
			<b>Subtotal:</b>	<b>\$ 53,246,745</b>	
Other	Mobilization	LS	8%	1	\$ 4,259,740
	Construction Engineering	LS	9%	1	\$ 5,295,389
	Contractor Quality/Survey	LS	3%	1	\$ 1,331,169
	Construction Contingency	LS	5%	1	\$ 2,941,883
	Environmental Mitigation	MI	\$ 1,000,000	1	\$ 1,000,000
	Design	LS	8%	1	\$ 4,707,012
ROW	Acre	\$ 1,500,000	1.5	\$ 2,250,000	
			<b>Subtotal:</b>	<b>\$ 75,031,937</b>	
	ICAP	LS	10.14%	1	\$ 7,608,238
			<b>Total:</b>	<b>\$ 82,640,175</b>	

I-10/I-17 "Spine" Corridor Master Plan

Detailed Cost Opinion

				I-17 / Bell Rd TI	
Series	Items	Unit	Unit Cost	Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	2	\$ 500,000
	Pavement Removal	SY	\$ 15	77,950	\$ 1,169,250
	Earthwork	CY	\$ 10	250,000	\$ 2,500,000
	Contingency and Unidentified Items	LS	30%	1	\$ 1,250,775
300 / 400	New PCCP w/base & AR	SY	\$ 40	120,900	\$ 4,836,000
	New AC w/ base	SY	\$ 35	35,000	\$ 1,225,000
	Rehab Pavement	SY	\$ 10	15,000	\$ 150,000
	Contingency and Unidentified Items	LS	15%	1	\$ 931,650
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	1	\$ 1,500,000
	Drainage on-site (Retrofit)	MI	\$ 400,000	1	\$ 400,000
	Drainage off-site	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 570,000
600	New Bridges	SF	\$ 130	67,600	\$ 8,788,000
	Rehab Bridges	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	10%	1	\$ 878,800
700	MOT (high)	MI	\$ 10,000,000	1	\$ 10,000,000
	MOT (low)	MI	\$ 1,700,000	0	\$ -
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	1	\$ 1,500,000
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	1	\$ 400,000
	Existing FMS Modifications	LS	Varies	1	\$ 1,500,000
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 4,020,000
					<b>Subtotal:</b>
800	Landscaping	MI	\$ 500,000	2	\$ 1,000,000
	Utilities	MI	\$ 1,000,000	2	\$ 2,000,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	1	\$ 8,000,000
	Contingency and Unidentified Items	LS	40%	1	\$ 1,200,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	6,420	\$ 5,296,500
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	1,531	\$ 803,775
	Roadway Appurtenances	MI	\$ 1,000,000	1.5	\$ 1,500,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	1	\$ 600,000
	Contingency and Unidentified Items	LS	20%	1	\$ 1,640,055
					<b>Subtotal:</b>
Other	Mobilization	LS	8%	1	\$ 5,132,784
	Construction Engineering	LS	9%	1	\$ 6,380,693
	Contractor Quality/Survey	LS	3%	1	\$ 1,603,995
	Construction Contingency	LS	5%	1	\$ 3,544,829
	Enviromental Mitigation	MI	\$ 1,000,000	1	\$ 1,000,000
	Design	LS	8%	1	\$ 5,671,727
	ROW	Acre	\$ 1,500,000	2.1	\$ 3,150,000
				<b>Subtotal:</b>	<b>\$ 90,643,833</b>
	ICAP	LS	10.14%	1	\$ 9,191,285
				<b>Total:</b>	<b>\$ 99,835,118</b>

I-10/I-17 "Spine" Corridor Master Plan

Detailed Cost Opinion

				I-10 / Chandler TI Bike-ped Upgrades	
Series	Items	Unit	Unit Cost	Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	0	\$ -
	Pavement Removal	SY	\$ 15	0	\$ -
	Earthwork	CY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ -
300 / 400	New PCCP w/base & AR	SY	\$ 40	0	\$ -
	New AC w/ base	SY	\$ 35	0	\$ -
	Rehab Pavement	SY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	15%	1	\$ -
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Drainage on-site (Retrofit)	MI	\$ 400,000	0	\$ -
	Drainage off-site	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ -
600	New Bridges	SF	\$ 130	0	\$ -
	Rehab Bridges	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	10%	1	\$ -
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	0.25	\$ 425,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	0	\$ -
	Existing FMS Modifications	LS	Varies	0	\$ -
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	0	\$ 127,500
					<b>Subtotal:</b>
800	Landscaping	MI	\$ 500,000	0	\$ -
	Utilities	MI	\$ 1,000,000	0	\$ -
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	0	\$ -
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	555	\$ 457,875
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	0	\$ -
	Roadway Appurtenances	MI	\$ 1,000,000	0	\$ -
	New Bike / Ped Bridges	EA	\$ 2,500,000	1	\$ 2,500,000
	Bike / Ped TI Upgrades	EA	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	20%	0	\$ 591,575
					<b>Subtotal:</b>
	ICAP	LS	10.14%	1	\$ 560,726
				<b>Total:</b>	<b>\$ 6,090,564</b>

I-10/I-17 "Spine" Corridor Master Plan

Detailed Cost Opinion

				I-10 / Galveston DHOV TI	
Series	Items	Unit	Unit Cost	Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	0	\$ -
	Pavement Removal	SY	\$ 15	60,500	\$ 907,500
	Earthwork	CY	\$ 10	100,000	\$ 1,000,000
	Contingency and Unidentified Items	LS	30%	1	\$ 572,250
300 / 400	New PCCP w/base & AR	SY	\$ 40	121,000	\$ 4,840,000
	New AC w/ base	SY	\$ 35	0	\$ -
	Rehab Pavement	SY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	15%	1	\$ 726,000
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	1	\$ 1,500,000
	Drainage on-site (Retrofit)	MI	\$ 400,000	0	\$ -
	Drainage off-site	LS	Varies	1	\$ 1,000,000
	Contingency and Unidentified Items	LS	30%	1	\$ 750,000
600	New Bridges	SF	\$ 130	24,200	\$ 3,146,000
	Rehab Bridges	LS	Varies	1	\$ -
	Contingency and Unidentified Items	LS	10%	1	\$ 314,600
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	1	\$ 1,700,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	1	\$ 1,500,000
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	0	\$ -
	Existing FMS Modifications	LS	Varies	1	\$ 400,000
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 1,080,000
	800	Landscaping	MI	\$ 500,000	1
Utilities		MI	\$ 1,000,000	1	\$ 1,000,000
Park and Ride Lot Expansion		LS	\$ 8,000,000	0	\$ -
Contingency and Unidentified Items		LS	40%	1	\$ 600,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	4,392	\$ 3,623,400
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	0	\$ -
	Roadway Appurtences	MI	\$ 1,000,000	0.5	\$ 500,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	20%	1	\$ 824,680
				<b>Subtotal:</b>	<b>\$ 26,484,430</b>
Other	Mobilization	LS	8%	1	\$ 2,118,754
	Construction Engineering	LS	9%	1	\$ 2,633,877
	Contractor Quality/Survey	LS	3%	1	\$ 662,111
	Construction Contingency	LS	5%	1	\$ 1,463,265
	Enviromental Mitigation	MI	\$ 1,000,000	1	\$ 1,000,000
	Design	LS	8%	1	\$ 2,341,224
	ROW	Acre	\$ 1,500,000	3.7	\$ 5,550,000
				<b>Subtotal:</b>	<b>\$ 42,253,660</b>
ICAP		LS	10.14%	1	\$ 4,284,521
				<b>Total:</b>	<b>\$ 46,538,181</b>

I-10/I-17 "Spine" Corridor Master Plan

Detailed Cost Opinion

				I-10 / Chandler TI Bike-ped Upgrades	
Series	Items	Unit	Unit Cost	Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	0	\$ -
	Pavement Removal	SY	\$ 15	0	\$ -
	Earthwork	CY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ -
300 / 400	New PCCP w/base & AR	SY	\$ 40	0	\$ -
	New AC w/ base	SY	\$ 35	0	\$ -
	Rehab Pavement	SY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	15%	1	\$ -
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Drainage on-site (Retrofit)	MI	\$ 400,000	0	\$ -
	Drainage off-site	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ -
600	New Bridges	SF	\$ 130	0	\$ -
	Rehab Bridges	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	10%	1	\$ -
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	0.25	\$ 425,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	0	\$ -
	Existing FMS Modifications	LS	Varies	0	\$ -
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	0	\$ 127,500
	800	Landscaping	MI	\$ 500,000	0
Utilities		MI	\$ 1,000,000	0	\$ -
Park and Ride Lot Expansion		LS	\$ 8,000,000	0	\$ -
Contingency and Unidentified Items		LS	40%	0	\$ -
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	760	\$ 627,000
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	0	\$ -
	Roadway Appurtences	MI	\$ 1,000,000	0	\$ -
	New Bike / Ped Bridges	EA	\$ 2,500,000	1	\$ 2,500,000
	Bike / Ped TI Upgrades	EA	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	20%	0	\$ 625,400
				<b>Subtotal:</b>	<b>\$ 4,304,900</b>
Other	Mobilization	LS	8%	0	\$ 344,392
	Construction Engineering	LS	9%	0	\$ 428,122
	Contractor Quality/Survey	LS	3%	0	\$ 107,623
	Construction Contingency	LS	5%	0	\$ 237,846
	Enviromental Mitigation	MI	\$ 1,000,000	0	\$ -
	Design	LS	8%	0	\$ 380,553
	ROW	Acre	\$ 1,500,000	0.5	\$ 750,000
				<b>Subtotal:</b>	<b>\$ 6,553,436</b>
ICAP		LS	10.14%	1	\$ 664,518
				<b>Total:</b>	<b>\$ 7,217,954</b>

I-10/I-17 "Spine" Corridor Master Plan

Detailed Cost Opinion

				I-10 / Warner Road TI Upgrades	
Series	Items	Unit	Unit Cost	Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	0	\$ -
	Pavement Removal	SY	\$ 15	5,000	\$ 75,000
	Earthwork	CY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 22,500
300 / 400	New PCCP w/base & AR	SY	\$ 40	10,000	\$ 400,000
	New AC w/ base	SY	\$ 35	20,000	\$ 700,000
	Rehab Pavement	SY	\$ 10	20,000	\$ 200,000
	Contingency and Unidentified Items	LS	15%	1	\$ 195,000
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Drainage on-site (Retrofit)	MI	\$ 400,000	0.5	\$ 200,000
	Drainage off-site	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 60,000
600	New Bridges	SF	\$ 130	6,500	\$ 845,000
	Rehab Bridges	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	10%	1	\$ 84,500
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	0.50	\$ 850,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	0.5	\$ 200,000
	Existing FMS Modifications	LS	Varies	0	\$ -
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	0	\$ 315,000
800	Landscaping	MI	\$ 500,000	0.5	\$ 250,000
	Utilities	MI	\$ 1,000,000	0.5	\$ 500,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	0	\$ 300,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	500	\$ 412,500
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	500	\$ 262,500
	Roadway Appurtences	MI	\$ 1,000,000	0.25	\$ 250,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	1	\$ 600,000
	Contingency and Unidentified Items	LS	20%	0	\$ 305,000
				<b>Subtotal:</b>	<b>\$ 7,027,000</b>
Other	Mobilization	LS	8%	0	\$ 562,160
	Construction Engineering	LS	9%	0	\$ 698,835
	Contractor Quality/Survey	LS	3%	0	\$ 175,675
	Construction Contingency	LS	5%	0	\$ 388,242
	Enviromental Mitigation	MI	\$ 1,000,000	0.25	\$ 250,000
	Design	LS	8%	0	\$ 621,187
	ROW	Acre	\$ 1,500,000	0.5	\$ 750,000
				<b>Subtotal:</b>	<b>\$ 10,473,099</b>
ICAP		LS	10.14%	1	\$ 1,061,972
				<b>Total:</b>	<b>\$ 11,535,071</b>

I-10/I-17 "Spine" Corridor Master Plan

Detailed Cost Opinion

				I-10 Baseline to Elliot C-D Roads	
Series	Items	Unit	Unit Cost	Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	0	\$ -
	Pavement Removal	SY	\$ 15	20,000	\$ 300,000
	Earthwork	CY	\$ 10	600,000	\$ 6,000,000
	Contingency and Unidentified Items	LS	30%	1	\$ 1,890,000
300 / 400	New PCCP w/base & AR	SY	\$ 40	77,000	\$ 3,080,000
	New AC w/ base	SY	\$ 35	0	\$ -
	Rehab Pavement	SY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	15%	1	\$ 462,000
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Drainage on-site (Retrofit)	MI	\$ 400,000	2	\$ 800,000
	Drainage off-site	LS	Varies	1	\$ 20,000,000
	Contingency and Unidentified Items	LS	30%	1	\$ 6,240,000
600	New Bridges	SF	\$ 130	1,500	\$ 195,000
	Rehab Bridges	LS	Varies	1	\$ 250,000
	Contingency and Unidentified Items	LS	10%	1	\$ 44,500
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	2	\$ 3,400,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	2	\$ 800,000
	Existing FMS Modifications	LS	Varies	1	\$ 400,000
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 1,380,000
800	Landscaping	MI	\$ 500,000	2	\$ 1,000,000
	Utilities	MI	\$ 1,000,000	2	\$ 2,000,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	1	\$ 1,200,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	1,500	\$ 1,237,500
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	20,000	\$ 10,500,000
	Roadway Appurtences	MI	\$ 1,000,000	2	\$ 2,000,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	20%	1	\$ 2,747,500
				<b>Subtotal:</b>	<b>\$ 65,926,500</b>
Other	Mobilization	LS	8%	1	\$ 5,274,120
	Construction Engineering	LS	9%	1	\$ 6,556,390
	Contractor Quality/Survey	LS	3%	1	\$ 1,648,163
	Construction Contingency	LS	5%	1	\$ 3,642,439
	Enviromental Mitigation	MI	\$ 1,000,000	1	\$ 1,000,000
	Design	LS	8%	1	\$ 5,827,903
	ROW	Acre	\$ 1,500,000	0	\$ -
				<b>Subtotal:</b>	<b>\$ 89,875,515</b>
ICAP		LS	10.14%	1	\$ 9,113,377
				<b>Total:</b>	<b>\$ 98,988,892</b>

I-10/I-17 "Spine" Corridor Master Plan

Detailed Cost Opinion

				I-10 / Baseline TI	
Series	Items	Unit	Unit Cost	Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	0	\$ -
	Pavement Removal	SY	\$ 15	43,920	\$ 658,800
	Earthwork	CY	\$ 10	25,000	\$ 250,000
	Contingency and Unidentified Items	LS	30%	1	\$ 272,640
300 / 400	New PCCP w/base & AR	SY	\$ 40	29,000	\$ 1,160,000
	New AC w/ base	SY	\$ 35	25,900	\$ 906,500
	Rehab Pavement	SY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	15%	1	\$ 309,975
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Drainage on-site (Retrofit)	MI	\$ 400,000	1	\$ 400,000
	Drainage off-site	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 120,000
600	New Bridges	SF	\$ 130	1,500	\$ 195,000
	Rehab Bridges	LS	Varies	1	\$ 250,000
	Contingency and Unidentified Items	LS	10%	1	\$ 44,500
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	1	\$ 1,700,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	1	\$ 400,000
	Existing FMS Modifications	LS	Varies	1	\$ -
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 630,000
800	Landscaping	MI	\$ 500,000	1	\$ 500,000
	Utilities	MI	\$ 1,000,000	1	\$ 1,000,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	1	\$ 600,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	2,416	\$ 1,993,200
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	0	\$ -
	Roadway Appurtences	MI	\$ 1,000,000	0.5	\$ 500,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	20%	1	\$ 498,640
				<b>Subtotal:</b>	<b>\$ 12,389,255</b>
Other	Mobilization	LS	8%	1	\$ 991,140
	Construction Engineering	LS	9%	1	\$ 1,232,111
	Contractor Quality/Survey	LS	3%	1	\$ 309,731
	Construction Contingency	LS	5%	1	\$ 684,506
	Enviromental Mitigation	MI	\$ 1,000,000	1	\$ 1,000,000
	Design	LS	8%	1	\$ 1,095,210
	ROW	Acre	\$ 1,500,000	3.9	\$ 5,850,000
				<b>Subtotal:</b>	<b>\$ 23,551,955</b>
	ICAP	LS	10.14%	1	\$ 2,388,168
				<b>Total:</b>	<b>\$ 25,940,123</b>

I-10/I-17 "Spine" Corridor Master Plan

Detailed Cost Opinion

				1-10/1-17 Split TI DHOV Connector	
Series	Items	Unit	Unit Cost	Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	0	\$ -
	Pavement Removal	SY	\$ 15	30,240	\$ 453,600
	Earthwork	CY	\$ 10	250,000	\$ 2,500,000
	Contingency and Unidentified Items	LS	30%	1	\$ 886,080
300 / 400	New PCCP w/base & AR	SY	\$ 40	37,800	\$ 1,512,000
	New AC w/ base	SY	\$ 35	0	\$ -
	Rehab Pavement	SY	\$ 10	0	\$ -
	Contingency and Unidentified Items	LS	15%	1	\$ 226,800
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	1	\$ 1,500,000
	Drainage on-site (Retrofit)	MI	\$ 400,000	0	\$ -
	Drainage off-site	LS	Varies	1	\$ 500,000
	Contingency and Unidentified Items	LS	30%	1	\$ 600,000
600	New Bridges	SF	\$ 130	256,400	\$ 33,332,000
	Rehab Bridges	LS	Varies	1	\$ 250,000
	Contingency and Unidentified Items	LS	10%	1	\$ 3,358,200
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	2	\$ 3,400,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	1	\$ 1,500,000
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	0	\$ -
	Existing FMS Modifications	LS	Varies	1	\$ 250,000
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 1,545,000
800	Landscaping	MI	\$ 500,000	1	\$ 500,000
	Utilities	MI	\$ 1,000,000	1	\$ 1,000,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	1	\$ 600,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	10,269	\$ 8,471,925
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	0	\$ -
	Roadway Appurtences	MI	\$ 1,000,000	1	\$ 1,000,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	20%	1	\$ 1,894,385
				<b>Subtotal:</b>	<b>\$ 65,279,990</b>
Other	Mobilization	LS	8%	1	\$ 5,222,399
	Construction Engineering	LS	9%	1	\$ 6,492,095
	Contractor Quality/Survey	LS	3%	1	\$ 1,632,000
	Construction Contingency	LS	5%	1	\$ 3,606,719
	Enviromental Mitigation	MI	\$ 1,000,000	1	\$ 1,000,000
	Design	LS	8%	1	\$ 5,770,751
	ROW	Acre	\$ 1,500,000	2.5	\$ 3,750,000
				<b>Subtotal:</b>	<b>\$ 92,753,955</b>
	ICAP	LS	10.14%	1	\$ 9,405,251
				<b>Total:</b>	<b>\$ 102,159,206</b>

I-10/I-17 "Spine" Corridor Master Plan

Detailed Cost Opinion

					I-17 19th Ave to Indian School	
Series	Items	Unit	Unit Cost	Qty	Segment Cost	
200	Bridge Removal	EA	\$ 250,000	8	\$ 2,000,000	
	Pavement Removal	SY	\$ 15	515,040	\$ 7,725,600	
	Earthwork	CY	\$ 10	1,200,000	\$ 12,000,000	
	Contingency and Unidentified Items	LS	30%	1	\$ 6,517,680	
300 / 400	New PCCP w/base & AR	SY	\$ 40	590,600	\$ 23,624,000	
	New AC w/ base	SY	\$ 35	53,200	\$ 1,862,000	
	Rehab Pavement	SY	\$ 10	0	\$ -	
	Contingency and Unidentified Items	LS	15%	1	\$ 3,822,900	
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	4	\$ 6,000,000	
	Drainage on-site (Retrofit)	MI	\$ 400,000	0	\$ -	
	Drainage off-site	LS	Varies	1	\$ 4,000,000	
	Contingency and Unidentified Items	LS	30%	1	\$ 3,000,000	
600	New Bridges	SF	\$ 130	241,900	\$ 31,447,000	
	Rehab Bridges	LS	Varies	1	\$ 1,000,000	
	Contingency and Unidentified Items	LS	10%	1	\$ 3,244,700	
700	MOT (high)	MI	\$ 10,000,000	3	\$ 30,000,000	
	MOT (low)	MI	\$ 1,700,000	0	\$ -	
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	3.5	\$ 5,250,000	
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	0	\$ -	
	Existing FMS Modifications	LS	Varies	1	\$ -	
	New ITS	MI	\$ 3,500,000	4	\$ 14,000,000	
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -	
	Contingency and Unidentified Items	LS	30%	1	\$ 14,775,000	
800	Landscaping	MI	\$ 500,000	4	\$ 2,000,000	
	Utilities	MI	\$ 1,000,000	4	\$ 4,000,000	
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -	
	Contingency and Unidentified Items	LS	40%	1	\$ 2,400,000	
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	30,000	\$ 24,750,000	
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	25,000	\$ 13,125,000	
	Roadway Appurtences	MI	\$ 1,000,000	4	\$ 4,000,000	
	New Bike / Ped Bridges	EA	\$ 2,500,000	1	\$ 2,500,000	
	Bike / Ped TI Upgrades	EA	\$ 600,000	2	\$ 1,200,000	
	Contingency and Unidentified Items	LS	20%	1	\$ 9,115,000	
				<b>Subtotal:</b>	<b>\$ 233,358,880</b>	
Other	Mobilization	LS	8%	1	\$ 18,668,710	
	Construction Engineering	LS	9%	1	\$ 23,207,541	
	Contractor Quality/Survey	LS	3%	1	\$ 5,833,972	
	Construction Contingency	LS	5%	1	\$ 12,893,078	
	Enviromental Mitigation	MI	\$ 1,000,000	4	\$ 4,000,000	
	Design	LS	8%	1	\$ 20,628,925	
	ROW	Acre	\$ 1,500,000	15.4	\$ 23,100,000	
				<b>Subtotal:</b>	<b>\$ 341,691,106</b>	
ICAP	LS	10.14%	1	\$ 34,647,478		
				<b>Total:</b>	<b>\$ 376,338,584</b>	

I-10/I-17 "Spine" Corridor Master Plan

Detailed Cost Opinion

					I-17 Indian School to Dunlap	
Series	Items	Unit	Unit Cost	Qty	Segment Cost	
200	Bridge Removal	EA	\$ 250,000	2	\$ 500,000	
	Pavement Removal	SY	\$ 15	569,520	\$ 8,542,800	
	Earthwork	CY	\$ 10	500,000	\$ 5,000,000	
	Contingency and Unidentified Items	LS	30%	1	\$ 4,212,840	
300 / 400	New PCCP w/base & AR	SY	\$ 40	637,600	\$ 25,504,000	
	New AC w/ base	SY	\$ 35	74,300	\$ 2,600,500	
	Rehab Pavement	SY	\$ 10	13,300	\$ 133,000	
	Contingency and Unidentified Items	LS	15%	1	\$ 4,235,625	
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	5	\$ 7,500,000	
	Drainage on-site (Retrofit)	MI	\$ 400,000	0	\$ -	
	Drainage off-site	LS	Varies	1	\$ 2,000,000	
	Contingency and Unidentified Items	LS	30%	1	\$ 2,850,000	
600	New Bridges	SF	\$ 130	73,200	\$ 9,516,000	
	Rehab Bridges	LS	Varies	1	\$ 2,500,000	
	Contingency and Unidentified Items	LS	10%	1	\$ 1,201,600	
700	MOT (high)	MI	\$ 10,000,000	5	\$ 50,000,000	
	MOT (low)	MI	\$ 1,700,000	0	\$ -	
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	5	\$ 7,500,000	
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	0	\$ -	
	Existing FMS Modifications	LS	Varies	1	\$ -	
	New ITS	MI	\$ 3,500,000	5	\$ 17,500,000	
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -	
	Contingency and Unidentified Items	LS	30%	1	\$ 22,500,000	
800	Landscaping	MI	\$ 500,000	5	\$ 2,500,000	
	Utilities	MI	\$ 1,000,000	5	\$ 5,000,000	
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -	
	Contingency and Unidentified Items	LS	40%	1	\$ 3,000,000	
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	24,000	\$ 19,800,000	
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	29,145	\$ 15,301,125	
	Roadway Appurtences	MI	\$ 1,000,000	5	\$ 5,000,000	
	New Bike / Ped Bridges	EA	\$ 2,500,000	2	\$ 5,000,000	
	Bike / Ped TI Upgrades	EA	\$ 600,000	0	\$ -	
	Contingency and Unidentified Items	LS	20%	1	\$ 9,020,225	
				<b>Subtotal:</b>	<b>\$ 238,417,715</b>	
Other	Mobilization	LS	8%	1	\$ 19,073,417	
	Construction Engineering	LS	9%	1	\$ 23,710,642	
	Contractor Quality/Survey	LS	3%	1	\$ 5,960,443	
	Construction Contingency	LS	5%	1	\$ 13,172,579	
	Enviromental Mitigation	MI	\$ 1,000,000	5	\$ 5,000,000	
	Design	LS	8%	1	\$ 21,076,126	
ROW	Acre	\$ 1,500,000	37.3	\$ 55,950,000		
				<b>Subtotal:</b>	<b>\$ 382,360,922</b>	
ICAP	LS	10.14%	1	\$ 38,771,397		
				<b>Total:</b>	<b>\$ 421,132,319</b>	

I-10/I-17 "Spine" Corridor Master Plan

Detailed Cost Opinion

				I-17 Dunlap to SR-101L	
Series	Items	Unit	Unit Cost	Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	8	\$ 2,000,000
	Pavement Removal	SY	\$ 15	323,640	\$ 4,854,600
	Earthwork	CY	\$ 10	600,000	\$ 6,000,000
	Contingency and Unidentified Items	LS	30%	1	\$ 3,856,380
300 / 400	New PCCP w/base & AR	SY	\$ 40	419,300	\$ 16,772,000
	New AC w/ base	SY	\$ 35	120,100	\$ 4,203,500
	Rehab Pavement	SY	\$ 10	274,700	\$ 2,747,000
	Contingency and Unidentified Items	LS	15%	1	\$ 3,558,375
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	0	\$ -
	Drainage on-site (Retrofit)	MI	\$ 400,000	6	\$ 2,400,000
	Drainage off-site	LS	Varies	1	\$ 2,500,000
	Contingency and Unidentified Items	LS	30%	1	\$ 1,470,000
600	New Bridges	SF	\$ 130	160,600	\$ 20,878,000
	Rehab Bridges	LS	Varies	1	\$ 1,000,000
	Contingency and Unidentified Items	LS	10%	1	\$ 2,187,800
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	6	\$ 10,200,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	6	\$ 9,000,000
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	0	\$ -
	Existing FMS Modifications	LS	Varies	1	\$ -
	New ITS	MI	\$ 3,500,000	7	\$ 24,500,000
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 13,110,000
800	Landscaping	MI	\$ 500,000	6	\$ 3,000,000
	Utilities	MI	\$ 1,000,000	6	\$ 6,000,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	1	\$ 3,600,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	21,491	\$ 17,730,075
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	11,721	\$ 6,153,525
	Roadway Appurtences	MI	\$ 1,000,000	6	\$ 6,000,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	2	\$ 5,000,000
	Bike / Ped TI Upgrades	EA	\$ 600,000	4	\$ 2,400,000
	Contingency and Unidentified Items	LS	20%	1	\$ 7,456,720
				<b>Subtotal:</b>	<b>\$ 188,577,975</b>
Other	Mobilization	LS	8%	1	\$ 15,086,238
	Construction Engineering	LS	9%	1	\$ 18,754,080
	Contractor Quality/Survey	LS	3%	1	\$ 4,714,449
	Construction Contingency	LS	5%	1	\$ 10,418,933
	Enviromental Mitigation	MI	\$ 1,000,000	6	\$ 6,000,000
	Design	LS	8%	1	\$ 16,670,293
	ROW	Acre	\$ 1,500,000	14.3	\$ 21,450,000
				<b>Subtotal:</b>	<b>\$ 281,671,968</b>
ICAP	LS	10.14%	1	\$ 28,561,538	
				<b>Total:</b>	<b>\$ 310,233,506</b>

I-10/I-17 "Spine" Corridor Master Plan

Detailed Cost Opinion

				SR-101L TI North Stack DHOV Connector	
Series	Items	Unit	Unit Cost	Qty	Segment Cost
200	Bridge Removal	EA	\$ 250,000	0	\$ -
	Pavement Removal	SY	\$ 15	60,000	\$ 900,000
	Earthwork	CY	\$ 10	750,000	\$ 7,500,000
	Contingency and Unidentified Items	LS	30%	1	\$ 2,520,000
300 / 400	New PCCP w/base & AR	SY	\$ 40	100,000	\$ 4,000,000
	New AC w/ base	SY	\$ 35	0	\$ -
	Rehab Pavement	SY	\$ 10	8,700	\$ 87,000
	Contingency and Unidentified Items	LS	15%	1	\$ 613,050
500	Drainage on-site (Reconstruct)	MI	\$ 1,500,000	2	\$ 3,000,000
	Drainage on-site (Retrofit)	MI	\$ 400,000	0	\$ -
	Drainage off-site	LS	Varies	1	\$ 250,000
	Contingency and Unidentified Items	LS	30%	1	\$ 975,000
600	New Bridges	SF	\$ 130	314,300	\$ 40,859,000
	Rehab Bridges	LS	Varies	0	\$ -
	Contingency and Unidentified Items	LS	10%	1	\$ 4,085,900
700	MOT (high)	MI	\$ 10,000,000	0	\$ -
	MOT (low)	MI	\$ 1,700,000	3	\$ 5,100,000
	Sign/Stripe/Light (Reconstruct)	MI	\$ 1,500,000	2	\$ 3,000,000
	Sign/Stripe/Light (Retrofit)	MI	\$ 400,000	0	\$ -
	Existing FMS Modifications	LS	Varies	1	\$ 1,000,000
	New ITS	MI	\$ 3,500,000	0	\$ -
	Tolling Infrastructure	MI	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	30%	1	\$ 2,730,000
800	Landscaping	MI	\$ 500,000	1	\$ 500,000
	Utilities	MI	\$ 1,000,000	1	\$ 1,000,000
	Park and Ride Lot Expansion	LS	\$ 8,000,000	0	\$ -
	Contingency and Unidentified Items	LS	40%	1	\$ 600,000
900	Retaining Walls (Assume H(avg)=15')	LF	\$ 825	12,000	\$ 9,900,000
	Sound Walls (Assume H(avg)=15')	LF	\$ 525	0	\$ -
	Roadway Appurtences	MI	\$ 1,000,000	2	\$ 2,000,000
	New Bike / Ped Bridges	EA	\$ 2,500,000	0	\$ -
	Bike / Ped TI Upgrades	EA	\$ 600,000	0	\$ -
	Contingency and Unidentified Items	LS	20%	1	\$ 2,380,000
				<b>Subtotal:</b>	<b>\$ 92,999,950</b>
Other	Mobilization	LS	8%	1	\$ 7,439,996
	Construction Engineering	LS	9%	1	\$ 9,248,845
	Contractor Quality/Survey	LS	3%	1	\$ 2,324,999
	Construction Contingency	LS	5%	1	\$ 5,138,247
	Enviromental Mitigation	MI	\$ 1,000,000	1	\$ 1,000,000
	Design	LS	8%	1	\$ 8,221,196
	ROW	Acre	\$ 1,500,000	0	\$ -
				<b>Subtotal:</b>	<b>\$ 126,373,233</b>
ICAP	LS	10.14%	1	\$ 12,814,246	
				<b>Total:</b>	<b>\$ 139,187,478</b>