



# MID-STATES CORRIDOR

## APPENDIX E – COST ESTIMATING

### **Mid-States Corridor Tier 1 Environmental Impact Statement**

Prepared for

Indiana Department of Transportation

Mid-States Regional Development Authority

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# SUMMARY

This Appendix describes the methodologies used to develop construction and non-construction costs for each alternative within the EIS. Construction costs include items such as earthwork, drainage, paving materials, culverts, small structures, bridges, pavement markings, signage, karst mitigation, maintenance of traffic, etc. Alternatives include new terrain alignments along with associated local improvements to existing state highways. Non-construction costs consist of those associated with right-of-way, utility relocations and professional services necessary to design and construct each alternative. Detailed cost estimates for each route and facility type combination are presented in **Appendix 1** of this document. A summary of costs for each alternative and facility type combination is presented below in **Table 1**.

## Cost Summary

**Table 1: Summary of Costs for each Alternative and Facility Type**

Super2 Alternatives	Total Overall Cost	Expressway Alternatives	Total Overall Cost
B3W	\$ 368,000,000	B2W	\$ 495,000,000
C3E	\$ 484,000,000	C2E	\$ 689,000,000
C3W	\$ 447,000,000	C2W	\$ 581,000,000
M3E	\$ 1,023,000,000	M2E	\$ 1,313,000,000
M3W	\$ 991,000,000	M2W	\$ 1,204,000,000
O3E	\$ 963,000,000	O2E	\$ 1,209,000,000
O3W	\$ 962,000,000	O2W	\$ 1,176,000,000
P3Ee	\$ 689,000,000	P2Ee	\$ 937,000,000
P3Ew	\$ 620,000,000	P2Ew	\$ 901,000,000
P3We	\$ 652,000,000	P2We	\$ 828,000,000
P3Ww	\$ 583,000,000	P2Ww	\$ 792,000,000

**Table 1a: Summary of Costs for Local Improvements along Alternatives**

Alternative	Local Improvements associated with Alternative	Local Improvements Total Overall Cost
C	LI-1, LI-2, LI-3, LI-4 & LI-5	\$70,000,000
B	LI-1 to LI-3 & LI-10 to LI12	\$81,000,000
M	LI-1 to LI-7, LI-13 & LI-14	\$133,000,000
O	LI-1 to LI-5 & LI-15 to LI-18	\$110,000,000
P	LI-1 to LI-9	\$115,000,000

**Table 1b: Summary of Costs for Individual Local Improvements**

Local Improvement	Total Cost	Local Improvement	Total Cost
1	\$ 7,000,000	10	\$ 10,000,000
2	\$ 32,000,000	11	\$ 9,000,000
3	\$ 11,000,000	12	\$ 12,000,000
4	\$ 1,000,000	13	\$ 15,000,000
5	\$ 19,000,000	14	\$ 18,000,000
6	\$ 18,000,000	15	\$ 11,000,000
7	\$ 12,000,000	16	\$ 8,000,000
8	\$ 6,000,000	17	\$ 10,000,000
9	\$ 9,000,000	18	\$ 12,000,000

## CONSTRUCTION COSTS

For each route analyzed as part of this EIS, typical sections, horizontal working alignments and vertical working alignments were created such that construction quantities could be developed. The working alignments were developed utilizing aerial photography, GIS resource layers (See **Appendix X – Geographic Information System Technical Documentation**) and LiDAR survey data publicly available from the Indiana Spatial Data Portal.

### Typical Sections

A typical section was developed for each facility type included in this EIS. Each typical section generally consists of the following components:

- Cross Sectional Elements
- Pavement Section

A schematic representation of each typical section is presented in **Appendix 2**. Items comprising each typical section component are further described below.

#### Cross Sectional Elements

Design criteria for each cross sectional element are based on the Indiana Design Manual (IDM), similar projects previously constructed by INDOT and engineering judgement.

Similar projects referenced include I-69 (Sections 1 thru 4) in Southwestern Indiana and SR 25 Hoosier Heartland (Segments 2 & 3) in Northern Indiana. A summary of cross sectional elements and utilized design criteria for each typical section is presented in **Table 2** through **Table 4**.



Mainline Mid-States Corridor (Mainline)

**Table 2: Design Criteria for Mainline Mid-States Corridor Typical Sections**

Element	Utilized Design Criteria for Mid-States Corridor Typical (Mainline) Sections	
	Super 2 Facility Type Rural Arterial 2-Lane Highway / w Passing Lane	Expressway Facility Type Rural Arterial 4-Lane Divided Highway
IDM Design Reference	Figure 53-2	Figure 53-2
Travel Lane Width	12 ft	12 ft
Auxiliary Lane Width	12 ft	12 ft
Right Shoulder	11 ft Usable / 10 ft Paved	11 ft Usable / 10 ft Paved
Left Shoulder	N/A	5 ft Usable / 4 ft Paved
Median Width	N/A	50 ft
Outside Foreslope to Clear CZ	6 Horizontal : 1 Vertical	6 Horizontal : 1 Vertical
Outside Foreslope Outside CZ	3 Horizontal : 1 Vertical	3 Horizontal : 1 Vertical
Outside Backslope	3 Horizontal : 1 Vertical	3 Horizontal : 1 Vertical
Median Shoulder Foreslope	N/A	6 Horizontal : 1 Vertical
Median Ditch Width	N/A	4 ft
Outside Ditch Width	4 ft	4 ft
Underdrains Present	Yes	Yes – Median and Outside

Interchange Ramps (Ramps)

**Table 3: Design Criteria for Interchange Ramp Typical Sections**

Element	Utilized Design Criteria for Interchange Ramp Typical Sections
	Expressway Facility Type Rural Arterial 4-Lane Divided Highway
IDM Design Reference	Chapter 48
Travel Lane Width	16 ft
Right Shoulder	9 ft Usable / 8 ft Paved
Left Shoulder	5 ft Usable / 4 ft Paved
Underdrains Present	Yes



### S-Line Intersecting Roadways (S-lines)

S-lines are generally defined as roadways intersecting with the mainline; however, in some instances, S-lines also serve as frontage roads to maintain local access. For the purposes of this EIS, S-lines are considered to be low volume, rural local roads.

**Table 4: Design Criteria for S-Line Typical Sections**

Element	Utilized Design Criteria for Intersecting Roadway Typical Sections	
	Super 2 Facility Type Rural Local Road	Expressway Facility Type Rural Local Road
IDM Design Reference	Figure 53-5	Figure 53-5
Travel Lane Width	12 ft	12 ft
Auxiliary Lane Width	12 ft	12 ft
Right Shoulder	3 ft Usable / 2 ft Paved	3 ft Usable / 2 ft Paved

### Pavement Section

The following assumed hot mix asphalt (HMA) pavement section is utilized for mainline, interchange ramps and S-line travel lanes for all facility types:

- 165 lb/syd Surface, 9.5mm on
- 275 lb/syd Intermediate, 19mm on
- 330 lb/syd Base, 19mm on
- 250 lb/syd Intermediate, 19mm on
- 330 lb/syd Base, 19mm on
- Chemical Subgrade Stabilization

The following HMA shoulder pavement section is used for mainline, interchange ramps and S-line paved shoulders for all facility types:

- 165 lb/syd Surface, 9.5mm on
- 495 lb/syd Intermediate, 19mm on
- 6.27" Compacted Aggregate, No. 53 Base on
- Chemical Subgrade Stabilization

The aggregate portions of shoulders (commonly known as usable shoulder) match the depth of the adjacent HMA pavement section and daylight along the foreslope. Chemical subgrade stabilization extends two feet beyond the paved shoulder in accordance with standard IDM pavement sections detailed in Chapter 602. Paved shoulder HMA pavement is replaced with mainline HMA pavement as required to accommodate underdrains and narrow paved shoulders per IDM requirements.

### Typical Section Application

Typical sections are applied to mainline, interchange ramps and intersecting roadways to develop quantities for cost estimating purposes. Assumptions made in applying typical sections to account for anticipated conditions are as follows:



### Mainline Mid-States Corridor (Mainline)

Typical sections for each Mid-States Corridor facility type are associated with a horizontal working alignment (or route) in order to create an alternative. Base typical sections for mainline Mid-States Corridor are not changed (i.e. Super-2 to an Expressway) along a route once associated. Depending upon access control, auxiliary lanes are added to the mainline typical section as further described below. The Super-2 facility type is assumed to have three lanes (two travel and one passing) evenly distributed on both sides of the horizontal working alignment. Local Improvements generally utilize a similar typical section as Super-2 alternatives and applied the typical section to existing highway alignments and profiles.

### Interchange Ramps (Ramps)

Existing interchanges along I-69 (Sections 1 thru 4) in Southwestern Indiana and SR 25 Hoosier Heartland (Segments 2 & 3) were analyzed to determine a representative ramp length for a standard diamond interchange. Each Mid-States Corridor interchange is assumed to have a total of four ramps (2 off-ramps and 2 on-ramps), each 1,200 ft in length.

### Intersecting Roadways (S-lines)

Depending on the access control used, improvements to the local road system and/or turn lanes on mainline Mid-States Corridor were specified as follows.

For **intersections at-grade**, the following assumptions are incorporated into the quantity computations:

- S-Line Travel Lanes – The length of each S-line is based upon a horizontal working alignment. Horizontal working alignments were developed to achieve an allowable skew angle with mainline Mid-States Corridor and to maintain local access to adjacent properties.
- Mainline Auxiliary Lanes – Left & right turn lanes, 970 ft in length, are included on mainline Mid-States Corridor for each S-line approach.
- S-Line Auxiliary Lanes – Left turn lanes, 200 ft in length, are included for each S-line approach to mainline Mid-States Corridor.

**Grade separations and interchanges** are used for the Expressway Facility type at intersections with higher volume S-lines. For grade separations and interchanges, the following assumptions are incorporated into the quantity computations:

- Mainline Travel Lanes – In all cases, mainline Mid-States Corridor is assumed to pass over the intersecting S-Line. There are no additional items, beyond those accounted for in the base typical section for each facility type, required to account for grade separations or interchanges on mainline Mid-States Corridor.
- S-Line Travel Lanes – Because mainline Mid-States Corridor is assumed to pass over the intersecting S-Line, no changes are necessary to the S-line. There are no S-line quantities associated with grade separations and interchanges.



## Interchange and Grade Separation Bridges

The previously described typical sections do not account for bridges associated with interchanges, roadway grade separations or railroad grade separations. In order to develop quantities for these bridges, vertical working alignments were developed for mainline Mid-States Corridor. The vertical working alignments at grade separations are based on the following vertical clearances:

- Mainline Mid-States Corridor over S-Line Intersecting Roadway – 16'-6" plus 5' Bridge Thickness
- Mainline Mid-States Corridor over Railroad – 23'-0" plus 5' Bridge Thickness

To determine the length of each bridge, it is assumed that each bridge will have a concrete slope wall at a 2 horizontal to 1 vertical slope. The slope wall begins outside adjacent drainage ways and extends up to the vertical working alignment. The length of the bridge is the distance between the intersections of the slope walls with the vertical working alignment.

Bridge widths are based upon cross sectional elements for each mainline Mid-States Corridor typical section (See **Table 2** through **Table 4**) and the appropriate guardrail offset and offset gain per the Indiana Design Manual. Assumed bridge widths are as follows:

- Super-2 Facility Type – 62.66 ft
- Expressway Facility Type – 44.66 ft

For all Super-2 overpasses, a single structure is assumed. For Expressway overpasses, twin structures are assumed. The only deviation to this assumption are the alternatives that cross the East Fork of the White River (White River) near Haysville. In the case of both facility types, it is assumed that the existing White River bridge will be re-used. For the Expressway facility type, a new bridge carrying southbound traffic will be constructed immediately downstream of the existing bridge for southbound traffic.

## Waterway Crossings

Waterway crossings have a variety of treatments, including bridges, 3-sided structures, 4-sided box structures and traditional round culverts. The choice of treatment depends on the magnitude of the waterway being crossed. The waterway treatment decision matrix is as follows:

- 4-Sided Box Culverts – All waterway locations where mainline Mid-States Corridor crosses a GIS resource stream layer and the nearest upstream existing crossing is not listed in the county bridge inventory are assumed to be 4-sided box culverts.
- 3-Sided Box Culverts - All locations where mainline Mid-States Corridor crosses a GIS resource stream layer, the nearest upstream stream crossing is listed in the county bridge inventory and the span of that crossing is equal to or between 20 ft and 30 ft are assumed to be 3-sided box culverts.
- Bridges - All locations where mainline Mid-States Corridor crosses a GIS resource stream layer, the nearest upstream stream crossing is listed in the County bridge inventory and the span of that crossing is greater 30 ft are assumed to be bridges. The length of each bridge is determined in the same manner as that of an interchange or grade separation, except the slope wall begins just beyond the top of bank of the stream being crossed.
- Pipe Culverts – All locations where existing LiDAR or aerial photography indicate a waterway, but the crossing is not a GIS stream layer are assumed to be a circular pipe culvert.





The lengths of culverts are based upon the construction limits further described below. All culverts also include quantities for riprap and geotextiles. The amount of riprap and geotextiles utilized is based upon INDOT Standard Drawings, the IDM and engineering judgement.

## Earthwork

Horizontal and vertical working alignments, along with the applicable typical sections, are used to develop cross sections every 100' along the length of each mainline route. Earthwork cut and fill quantities are calculated using the average area end method. Average area end method quantities are cross checked using a (proposed) surface to (existing) surface calculation to ensure no anomalies exist. Once each route is cross checked a final earthwork balance is created using the earthwork cut and fill quantities computed by average area end method. Additional assumptions are as follows:

- Shrinkage Factor – 15% per IDM Figure 17-2C
- Rock Swell Factor – 30% per IDM Figure 17-2C
- Rock Excavation – Assumed to be 20% of cut quantity
- Unsuitable Material – Assumed to be 10% of cut quantity
- Final excavation quantities are reported as “unclassified excavation” in accordance with INDOT Standard Specifications.

Vertical working alignments are not prepared for ramps or S-lines; therefore, earthwork quantities for those items are not computed. Given that the cumulative length of ramps and S-lines are significantly less than the length of the mainline, earthwork generated by ramps and S-lines was considered negligible at the Tier 1 Level study. Further refinement of earthwork quantities will be completed during future studies.

## Quantified Construction Costs

Items that can be quantified through a length, area or volume calculation using working alignments, typical sections and reasonable assumptions (engineering judgement) are included in cost estimates as a quantified construction cost. Quantified construction costs include previously described HMA, Waterway and Earthwork items as well as those that are commonly encountered on embankment (new terrain) type projects. Additional items that are included as quantified construction costs that were not previously discussed in this Appendix are as follows:

- Embankment Foundation Soils Treatment – Construction limits are generated from working alignments and typical sections. The quantity of embankment foundation soils treatment is assumed to be equal to the area of the construction limits.
- Settlement Plates and Lateral Stakes - It is assumed that settlement plates and lateral stakes will be installed every 500 ft on average.
- Median Drainage – It is assumed that a median inlet is required every 500 ft on average. A representative quantity for 15” pipe, structure backfill, end sections, revetment riprap and geotextiles is also computed for each median inlet.
- Permanent Surface Stabilization – Seeding, mulching and fertilizer are calculated using the previously described construction limits (less paved area) and the appropriate conversion factors per IDM 17-4.10



- Pavement Markings – Pavement marking lengths are computed based on the applicable typical section and lengths of mainline, ramps and S-lines. Adjustments are made to account for auxiliary lanes when necessary.
- Underdrains - Underdrains are assumed for all typical sections. Associated quantities include pipe, aggregate for underdrains, geotextile fabric and outlet protectors. Quantity computations are based on a 6" pipe and 2' deep under per IDM Figure 602-SL. Aggregate for underdrain is computed using conversion factors in IDM Figure 17-4a. Outlets are located every 400 ft per IDM Chapter 605-2.04(03).
- R/W Fence – R/W fence is included on both sides of each mainline route.

### Lump Sum Construction Costs

Items that could not be reasonably quantified at the current level of analysis, but are commonly encountered on embankment (new terrain) type projects are included in the cost estimate as lump sum pay items. These items include:

- clearing right-of-way
- signing, lighting
- karst mitigation
- miscellaneous non-median drainage
- construction engineering
- mobilization and demobilization
- maintenance of traffic
- stormwater management budget

### Price Determination for Quantified Construction Costs

Unit prices for quantified items are determined by analyzing previous bid tabulations (from similar projects) and utilizing INDOT's Cost Estimating Software (BidTabs Professional - PLUS). Engineering judgement is applied to all data in order to determine a final unit price for each line item.

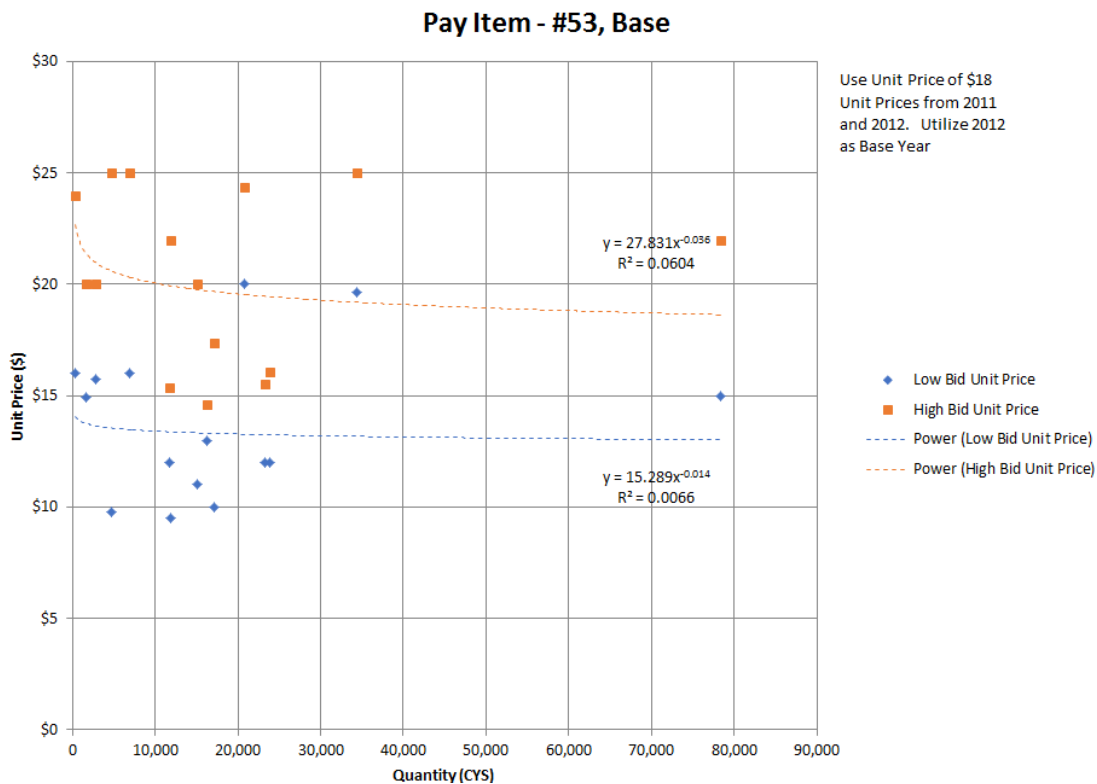
#### Previous Contract Data

At the time of this analysis, the most relevant previous contracts (to the Mid-States Corridor) are those associated with I-69 (Sections 1 thru 4) in Southwestern Indiana and SR 25 Hoosier Heartland (Segments 2 & 3) in Northern Indiana. Because these projects were let circa 2012, they appear to have been removed from INDOT's Cost Estimating Software due to age. In order to effectively utilize previous contract data, bid tabulations for similar contracts were downloaded from INDOT's Bid Letting Portal. Unit price data is summarized into a table by contract number, quantity, low bid unit price and high bid unit price as shown in **Table 5**.

**Previous Contract Data Table****Table 5: Previous Contract high and Low Unit prices**

Contract	Compacted Aggregate No. 53, Base		
	Quantity (tons)	Low Bid Unit Price	High Bid Unit Price
IR-30845-A	11,697	12.00	15.34
IR-30846-A	17,123	10.00	17.35
IR-30849-A	16,251	13.00	14.6
IR-30850-A	23,823	12.00	16.06
IR-33040-A	34,363	19.62	25.00
IR-33042-A	20,727	20.00	24.37
IR-33045-A	78,331	14.96	22.00
IR-33291-A	23,253	12.00	15.5
IR-33633-A	6,935	16.00	25.00
IR-33737-A S0002	15,089	11.00	20.00
IR-33737-A S0003	2,781	15.75	20.00
IR-33737-A S0004	1,679	14.94	20.00
IR-33737-A S0005	320	16.00	24.00
IR-33741-A	4,705	9.78	25.00
IR-33742-A	11,930	9.50	22.00

This quantity and unit price data is plotted on an X-Y scatter plot and a best fit regression developed to assist in identifying the upper and lower bounds of applicable unit prices. Engineering judgement is utilized to select a unit price that best corresponds to a quantity that could be reasonable expected for an individual Mid-States Corridor contract.



**Figure 1: Previous Contract high and Low Unit prices**

## Previous Contract Data Cost Regression Analysis

With the previous contract data being from 2011 and 2012, a base year of 2012 is utilized for all unit prices. The unit prices are escalated to 2019 prices using an average inflation rate of 3.0%. The average inflation rate is based upon the Federal Highway Administration's National Highway Construction Cost Index from March 2011 to March 2019.<sup>1</sup> The escalated unit costs are rounded upwards to the nearest \$0.50.

## INDOT Cost Estimating Software

INDOT's cost estimating software, BidTabs Professional – PLUS, is used to identify potential anomalies with previous contract data and to supplement previous contract data when no comparable pay items existed.

## Other Sources

The Federal Highway Administration (FHWA) publishes annual bridge replacement unit costs for structurally deficient National Highway System Bridges<sup>2</sup>. The unit costs for the three most recent years of published data (2017, 2018 & 2019) and the three states proximate to the EIS study area (Indiana, Kentucky and Illinois) are averaged to establish a reasonable unit cost for bridges.

<sup>1</sup> See <https://www.fhwa.dot.gov/policy/otps/nhcci/pt1.cfm>. The indices for March 2011 and March 2019 are 1.4568 and 1.8477, respectively.

<sup>2</sup> See <https://www.fhwa.dot.gov/bridge/nbi/sd2019.cfm>. The lowest unit cost and highest unit cost comprising the average unit cost are \$117 / sft and \$368 / sft, respectively.



## Price Determination for Lump Sum Construction Costs

The costs for lump sum items are reported as a percentage of the sum of the unit price extensions for quantified construction costs. The percentages used to calculate the costs are based upon previous contract data and engineering judgement. Lump sum costs will be further refined as part of future analysis.

## Contingencies and Total Roadway Cost

A contingency of 20% is included in the total roadway construction. The contingency is a percentage of the sum of the quantified construction costs and the lump sum construction costs. The total roadway cost is equal to the sum of the quantified construction costs, lump sum construction costs and contingency.

# NON-CONSTRUCTION COSTS

Non-construction costs include professional services necessary to design and construct the proposed roadway, as well as utility relocation and environmental mitigation costs. These costs are reported as a percentage of the total roadway construction costs as defined above. Items included are as follows:

- **Right-of-Way** – Right-of-way includes the cost of land and the professional services necessary to acquire the land. Right-of-way costs are assumed to be 5% of the total roadway construction costs. This assumed percentage of total roadway construction costs is based upon previously completed research and engineering judgment.
- **Utility Relocations** – Utility relocations include the cost for utilities to relocate facilities that are in conflict with the proposed roadway. Utility relocation costs are assumed to be 5% of the total roadway construction costs. The assumed percentage of roadway construction costs is based upon guidance provided in the IDM prior to the March 2021 revision.
- **Engineering** –Engineering includes the professional services necessary to prepare plans for bidding. Engineering costs are assumed to be 15% of the total roadway construction costs. The assumed percentage of roadway construction costs is based upon previously completed research and engineering judgment.
- **Environmental** –Environmental includes the professional services and other associated costs necessary to address environmental commitments (i.e. mitigation, post-construction monitoring, etc.) resulting from the NEPA and permitting processes. Environmental costs are assumed to be 15% of the total roadway construction costs. The assumed percentage of roadway construction costs is based upon previously completed research and engineering judgment.
- **Construction Inspection** – Construction inspection includes the professional services necessary to ensure compliance with bid documents, review shop drawings, track pay items, etc. Construction inspection costs are assumed to be 12% of the total roadway construction costs. The assumed percentage of roadway construction costs is based upon percentages commonly accepted by INDOT and engineering judgement.
- **Contingencies** – No contingencies are added to non-construction costs.



# **ADDITIONAL REFERENCE MATERIALS**

The following additional reference materials are enclosed:

- Appendix 1 - Detailed cost estimates for each alternative
- Appendix 2 - Schematic typical sections



## **APPENDIX 1**

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES  
ALTERNATIVE B3W**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12	16										
1	COMMON EXCAVATION	1,155,115	1,900,046						3,055,160	CYS	\$7.00	\$21,386,122	11.7%
2	ROCK EXCAVATION	288,779	475,011						763,790	CYS	\$7.00	\$5,346,530	2.9%
3	BORROW	1,441,158	129,854						1,571,012	CYS	\$6.00	\$9,426,073	5.1%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,835,760	2,780,917						4,616,676	SYS	\$1.00	\$4,616,676	2.5%
5	SETTLEMENT PLATE	165	253						419	EA	\$1,100.00	\$460,742	0.3%
6	STAKE, LATERAL	165	253						419	EA	\$375.00	\$157,071	0.1%
7	STAKE, SETTLEMENT	165	253						419	EA	\$150.00	\$62,828	0.0%
8	SUBGRADE TREATMENT, TYPE IB	590,192	897,269						1,487,461	SYS	\$6.00	\$8,924,768	4.9%
9	QC/QA, SURFACE, 9.5mm	43,046	65,342						108,388	TON	\$80.00	\$8,671,027	4.7%
10	QC/QA, INTERMEDIATE, 19.0mm	136,014	206,478						342,493	TON	\$62.00	\$21,234,547	11.6%
11	QC/QA, BASE, 25.0mm	151,290	229,952						381,242	SYS	\$59.00	\$22,493,267	12.3%
12	JOINT ADHESIVE, SURFACE	470,962	705,086						1,176,048	LFT	\$0.50	\$588,024	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	645,516	962,768						1,608,284	LFT	\$0.50	\$804,142	0.4%
14	ASPHALT FOR TACK COAT	130	198						328	TON	\$1,000.00	\$328,448	0.2%
15	COMPACTED AGGREGATE, NO. 53	104,385	158,389						262,774	TON	\$22.00	\$5,781,029	3.2%
16	INLET, TYPE P	142	211						353	EA	\$3,000.00	\$1,059,168	0.6%
17	PIPE, TYPE 2, 15"	8,452	12,496						20,948	LFT	\$45.00	\$942,660	0.5%
18	END SECTION, 15"	142	211						353	EA	\$500.00	\$176,528	0.1%
19	REVTMENT RIPRAP	6,479	8,907						15,387	TON	\$30.00	\$461,598	0.3%
20	GEOTEXTILES FOR RIPRAP	8,557	11,891						20,448	SYS	\$4.00	\$81,792	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	33,809	49,983						83,792	CYS	\$30.00	\$2,513,759	1.4%
22	SEEDING, TYPE R	64,796	98,033						162,829	LBS	\$3.00	\$488,486	0.3%
23	MULCHING	632	956						1,589	TON	\$450.00	\$714,857	0.4%
24	FERTILIZER	126	191						318	TON	\$850.00	\$270,057	0.1%
25	UNDERDRAIN, 4"	307,908	473,604						781,512	LFT	\$3.00	\$2,344,536	1.3%
26	AGGREGATE FOR UNDERDRAIN	27,712	42,624						70,336	CYS	\$43.00	\$3,024,451	1.7%
27	GEOTEXTILES FOR UNDERDRAIN	142,322	218,910						361,232	SYS	\$1.50	\$541,848	0.3%
28	OUTLET PROTECTOR	770	1,184						1,954	EA	\$900.00	\$1,758,402	1.0%
29	PAVEMENT MARKINGS	398,622	611,335						1,009,956	LFT	\$1.00	\$1,009,956	0.6%
30	FENCE, RIGHT-OF-WAY	165,454	253,402						418,856	LFT	\$6.00	\$2,513,136	1.4%
31	CULVERT, CIRCULAR	4,365	12,745						17,110	LFT	\$200.00	\$3,422,000	1.9%
32	CULVERT, 4-SIDED BOX	4,280	5,975						10,255	LFT	\$750.00	\$7,691,250	4.2%
33	CULVERT, 3-SIDED BOX	0	0						0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	11,383	12,351						23,734	SYS	\$1,850.00	\$43,908,299	24.0%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$80,450,898	\$102,753,179	\$0	\$0	\$0		\$0	<b>Cross Check</b>		<b>OK</b>	<b>\$183,204,078</b>	
SEGMENT LENGTH (LFT)		71,227	105,301	0	0	0	0	0				<b>33.43</b>	MILES



LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		16																
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$5,496,122	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$916,020	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$1,832,041	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$3,114,469	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$9,709,816	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$2,748,061	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$1,832,041	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$11,263,125.78		\$14,385,445.09		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$25,648,571	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$91,714,024.20		\$117,138,624.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$208,852,649	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$110,056,829.05		\$140,566,349.16		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$250,623,178	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$8,158,423.88		\$7,048,274.22		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$7,496,206.73	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		16																
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$12,531,159	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$12,531,159	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$37,593,477	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$25,062,318	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$30,074,781	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$51,726,709.65		\$66,066,184.10		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$117,792,894	
TOTAL OVERALL COST OF PROJECT		\$161,783,538.70		\$206,632,533.26		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$368,416,072	
TOTAL OVERAL COST OF PROJECT PER MILE		\$11,992,883.10		\$10,360,963.10		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$11,019,423.89	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE C3E (Section 2 Eastern Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	2	3	15								
1	COMMON EXCAVATION	4,280,852	1,029,169	310,665	3,092,792				8,713,478	CYS	\$7.00	\$60,994,349	25.3%
2	ROCK EXCAVATION	1,070,213	257,292	77,666	773,198				2,178,370	CYS	\$7.00	\$15,248,587	6.3%
3	BORROW	309,619	0	207,209	0				516,828	CYS	\$6.00	\$3,100,966	1.3%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	2,420,680	553,345	229,647	2,378,486				5,582,158	SYS	\$1.00	\$5,582,158	2.3%
5	SETTLEMENT PLATE	230	61	18	197				505	EA	\$1,100.00	\$555,982	0.2%
6	STAKE, LATERAL	230	61	18	197				505	EA	\$375.00	\$189,539	0.1%
7	STAKE, SETTLEMENT	230	61	18	197				505	EA	\$150.00	\$75,816	0.0%
8	SUBGRADE TREATMENT, TYPE IB	840,181	212,857	63,947	705,746				1,822,731	SYS	\$6.00	\$10,936,384	4.5%
9	QC/QA, SURFACE, 9.5mm	61,536	15,601	4,675	51,476				133,288	TON	\$80.00	\$10,663,022	4.4%
10	QC/QA, INTERMEDIATE, 19.0mm	194,502	49,330	14,777	162,644				421,253	TON	\$62.00	\$26,117,711	10.9%
11	QC/QA, BASE, 25.0mm	217,671	55,604	16,543	180,765				470,582	SYS	\$59.00	\$27,764,332	11.5%
12	JOINT ADHESIVE, SURFACE	664,823	163,298	50,080	565,358				1,443,559	LFT	\$0.50	\$721,780	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	923,359	226,784	69,070	775,274				1,994,487	LFT	\$0.50	\$997,244	0.4%
14	ASPHALT FOR TACK COAT	186	47	14	156				404	TON	\$1,000.00	\$403,902	0.2%
15	COMPACTED AGGREGATE, NO. 53	143,337	35,515	11,002	125,046				314,900	TON	\$22.00	\$6,927,799	2.9%
16	INLET, TYPE P	0	0	0	171				171	EA	\$3,000.00	\$514,309	0.2%
17	PIPE, TYPE 2, 15"	1	1	0	10,455				10,458	LFT	\$45.00	\$470,588	0.2%
18	END SECTION, 15"	0	0	0	171				171	EA	\$500.00	\$85,718	0.0%
19	REVTMENT RIPRAP	6,788	2,350	178	5,781				15,097	TON	\$30.00	\$452,914	0.2%
20	GEOTEXTILES FOR RIPRAP	8,398	2,873	231	7,812				19,314	SYS	\$4.00	\$77,257	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	0	5	2	41,821				41,828	CYS	\$30.00	\$1,254,834	0.5%
22	SEEDING, TYPE R	84,507	20,007	8,581	81,602				194,697	LBS	\$3.00	\$584,091	0.2%
23	MULCHING	824	195	84	796				1,899	TON	\$450.00	\$854,768	0.4%
24	FERTILIZER	165	39	17	159				380	TON	\$850.00	\$322,912	0.1%
25	UNDERDRAIN, 4"	424,302	106,892	32,760	368,092				932,046	LFT	\$3.00	\$2,796,138	1.2%
26	AGGREGATE FOR UNDERDRAIN	38,187	9,620	2,948	33,128				83,884	CYS	\$43.00	\$3,607,018	1.5%
27	GEOTEXTILES FOR UNDERDRAIN	196,122	49,408	15,142	170,140				430,812	SYS	\$1.50	\$646,219	0.3%
28	OUTLET PROTECTOR	1,061	267	82	920				2,330	EA	\$900.00	\$2,097,104	0.9%
29	PAVEMENT MARKINGS	609,296	149,764	44,058	474,761				1,277,878	LFT	\$1.00	\$1,277,878	0.5%
30	FENCE, RIGHT-OF-WAY	230,166	60,526	18,050	196,696				505,438	LFT	\$6.00	\$3,032,628	1.3%
31	CULVERT, CIRCULAR	7,407	1,635	600	4,995				14,637	LFT	\$200.00	\$2,927,400	1.2%
32	CULVERT, 4-SIDED BOX	5,215	1,739	0	3,090				10,044	LFT	\$750.00	\$7,533,000	3.1%
33	CULVERT, 3-SIDED BOX	0	0	0	0				0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	10,339	487	5,848	5,953				22,627	SYS	\$1,850.00	\$41,860,361	17.4%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$112,785,264	\$23,902,987	\$18,683,335	\$85,303,120	\$0	\$0	\$0	Cross Check		OK	\$240,674,706	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	85,698	0	0	0				40.40	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		15												
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$7,220,241	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$1,203,374	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$2,406,747	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$4,091,470	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$12,755,759	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$3,610,121	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$2,406,747	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$15,789,936.98		\$3,346,418.13		\$2,615,666.95		\$11,942,436.83		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$33,694,459	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$128,575,201.15		\$27,249,404.81		\$21,299,002.30		\$97,245,557.07		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$274,369,165	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$154,290,241.38		\$32,699,285.77		\$25,558,802.76		\$116,694,668.48		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$329,242,998	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$8,392,595.65		\$7,447,363.54		\$18,348,127.61		\$7,189,757.63		#DIV/0!		#DIV/0!		#DIV/0!					\$8,149,884.82	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		15												
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$16,462,150	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$16,462,150	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$49,386,450	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$32,924,300	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$39,509,160	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$72,516,413.45		\$15,368,664.31		\$12,012,637.30		\$54,846,494.18		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$154,744,209	
TOTAL OVERALL COST OF PROJECT		\$226,806,654.82		\$48,067,950.08		\$37,571,440.05		\$171,541,162.66		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$483,987,208	
TOTAL OVERAL COST OF PROJECT PER MILE		\$12,337,115.60		\$10,947,624.40		\$26,971,747.58		\$10,568,943.72		#DIV/0!		#DIV/0!		#DIV/0!					\$11,980,330.68	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE C3W (Section 2 Western Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12	13	14	3	15							
1	COMMON EXCAVATION	1,155,115	202,573	560,103	310,665	3,092,792			5,321,247	CYS	\$7.00	\$37,248,731	16.8%
2	ROCK EXCAVATION	288,779	50,643	140,026	77,666	773,198			1,330,312	CYS	\$7.00	\$9,312,183	4.2%
3	BORROW	1,441,158	0	0	207,209	0			1,648,367	CYS	\$6.00	\$9,890,203	4.4%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,835,760	557,702	656,924	229,647	2,378,486			5,658,520	SYS	\$1.00	\$5,658,520	2.5%
5	SETTLEMENT PLATE	165	54	61	18	197			495	EA	\$1,100.00	\$544,601	0.2%
6	STAKE, LATERAL	165	54	61	18	197			495	EA	\$375.00	\$185,660	0.1%
7	STAKE, SETTLEMENT	165	54	61	18	197			495	EA	\$150.00	\$74,264	0.0%
8	SUBGRADE TREATMENT, TYPE IB	590,192	199,070	222,492	63,947	705,746			1,781,447	SYS	\$6.00	\$10,688,683	4.8%
9	QC/QA, SURFACE, 9.5mm	43,046	14,694	16,297	4,675	51,476			130,187	TON	\$80.00	\$10,414,973	4.7%
10	QC/QA, INTERMEDIATE, 19.0mm	136,014	46,483	51,512	14,777	162,644			411,430	TON	\$62.00	\$25,508,652	11.5%
11	QC/QA, BASE, 25.0mm	151,290	52,821	57,686	16,543	180,765			459,104	SYS	\$59.00	\$27,087,157	12.2%
12	JOINT ADHESIVE, SURFACE	470,962	151,913	175,548	50,080	565,358			1,413,861	LFT	\$0.50	\$706,931	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	645,516	216,059	243,804	69,070	775,274			1,949,723	LFT	\$0.50	\$974,862	0.4%
14	ASPHALT FOR TACK COAT	130	45	49	14	156			395	TON	\$1,000.00	\$394,507	0.2%
15	COMPACTED AGGREGATE, NO. 53	104,385	31,267	37,882	11,002	125,046			309,582	TON	\$22.00	\$6,810,803	3.1%
16	INLET, TYPE P	142	41	51	0	171			406	EA	\$3,000.00	\$1,216,798	0.5%
17	PIPE, TYPE 2, 15"	8,452	2,477	3,034	0	10,455			24,419	LFT	\$45.00	\$1,098,853	0.5%
18	END SECTION, 15"	142	41	51	0	171			406	EA	\$500.00	\$202,800	0.1%
19	REVTMENT RIPRAP	6,479	943	1,393	178	5,781			14,775	TON	\$30.00	\$443,240	0.2%
20	GEOTEXTILES FOR RIPRAP	8,557	1,327	1,889	231	7,812			19,816	SYS	\$4.00	\$79,264	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	33,809	9,908	12,136	2	41,821			97,676	CYS	\$30.00	\$2,930,275	1.3%
22	SEEDING, TYPE R	64,796	20,505	23,553	8,581	81,602			199,037	LBS	\$3.00	\$597,110	0.3%
23	MULCHING	632	200	230	84	796			1,942	TON	\$450.00	\$873,820	0.4%
24	FERTILIZER	126	40	46	17	159			388	TON	\$850.00	\$330,110	0.1%
25	UNDERDRAIN, 4"	307,908	94,322	112,312	32,760	368,092			915,394	LFT	\$3.00	\$2,746,182	1.2%
26	AGGREGATE FOR UNDERDRAIN	27,712	8,489	10,108	2,948	33,128			82,385	CYS	\$43.00	\$3,542,575	1.6%
27	GEOTEXTILES FOR UNDERDRAIN	142,322	43,598	51,913	15,142	170,140			423,115	SYS	\$1.50	\$634,673	0.3%
28	OUTLET PROTECTOR	770	236	281	82	920			2,288	EA	\$900.00	\$2,059,637	0.9%
29	PAVEMENT MARKINGS	398,622	141,124	152,256	44,058	474,761			1,210,820	LFT	\$1.00	\$1,210,820	0.5%
30	FENCE, RIGHT-OF-WAY	165,454	53,716	61,176	18,050	196,696			495,092	LFT	\$6.00	\$2,970,552	1.3%
31	CULVERT, CIRCULAR	4,365	770	400	600	4,995			11,130	LFT	\$200.00	\$2,226,000	1.0%
32	CULVERT, 4-SIDED BOX	4,280	580	1,180	0	3,090			9,130	LFT	\$750.00	\$6,847,500	3.1%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0			0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	11,383	0	2,089	5,848	5,953			25,273	SYS	\$1,850.00	\$46,754,803	21.0%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$80,450,898	\$14,450,185	\$23,378,199	\$18,683,335	\$85,303,120			Cross Check		OK	\$222,265,738	
SEGMENT LENGTH (LFT)		71,227	20,303	25,568	7,355	85,698	0	0				39.80	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		15										
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$6,667,972	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$1,111,329	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$2,222,657	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$3,778,518	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$11,780,084	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$3,333,986	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$2,222,657	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$11,263,125.78		\$2,023,025.90		\$3,272,947.92		\$2,615,666.95		\$11,942,436.83		\$0.00		\$0.00		Cross Check		OK	\$31,117,203	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$91,714,024.20		\$16,473,210.88		\$26,651,147.31		\$21,299,002.30		\$97,245,557.07		\$0.00		\$0.00		Cross Check		OK	\$253,382,942	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$110,056,829.05		\$19,767,853.06		\$31,981,376.77		\$25,558,802.76		\$116,694,668.48		\$0.00		\$0.00		Cross Check		OK	\$304,059,530	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$8,158,423.88		\$5,140,829.64		\$6,604,414.48		\$18,348,127.61		\$7,189,757.63		#DIV/0!		#DIV/0!					\$7,639,432.21	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		15										
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$15,202,977	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$15,202,977	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$45,608,930	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$30,405,953	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$36,487,144	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$51,726,710		\$9,290,891		\$15,031,247		\$12,012,637		\$54,846,494		\$0		\$0		Cross Check		OK	\$142,907,979	
TOTAL OVERALL COST OF PROJECT		\$161,783,539		\$29,058,744		\$47,012,624		\$37,571,440		\$171,541,163		\$0		\$0		Cross Check		OK	\$446,967,509	
TOTAL OVERAL COST OF PROJECT PER MILE		\$11,992,883		\$7,557,020		\$9,708,489		\$26,971,748		\$10,568,944		#DIV/0!		#DIV/0!					\$11,229,965.35	



**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE M3E (Section 2 Eastern Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	2	3	4	7	11						
1	COMMON EXCAVATION	4,280,852	1,029,169	310,665	928,698	3,167,805	17,757,842		27,475,032	CYS	\$7.00	\$192,325,225	38.7%
2	ROCK EXCAVATION	1,070,213	257,292	77,666	163,888	559,024	3,133,737		5,261,821	CYS	\$7.00	\$36,832,746	7.4%
3	BORROW	309,619	0	207,209	0	1,583,269	0		2,100,097	CYS	\$6.00	\$12,600,581	2.5%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	2,420,680	553,345	229,647	431,037	964,843	7,937,409		12,536,960	SYS	\$1.00	\$12,536,960	2.5%
5	SETTLEMENT PLATE	230	61	18	44	86	360		799	EA	\$1,100.00	\$878,469	0.2%
6	STAKE, LATERAL	230	61	18	44	86	360		799	EA	\$375.00	\$299,478	0.1%
7	STAKE, SETTLEMENT	230	61	18	44	86	360		799	EA	\$150.00	\$119,791	0.0%
8	SUBGRADE TREATMENT, TYPE IB	840,181	212,857	63,947	142,219	314,590	1,282,288		2,856,082	SYS	\$6.00	\$17,136,491	3.4%
9	QC/QA, SURFACE, 9.5mm	61,536	15,601	4,675	10,384	22,974	93,382		208,553	TON	\$80.00	\$16,684,216	3.4%
10	QC/QA, INTERMEDIATE, 19.0mm	194,502	49,330	14,777	32,841	72,592	295,093		659,136	TON	\$62.00	\$40,866,415	8.2%
11	QC/QA, BASE, 25.0mm	217,671	55,604	16,543	37,149	80,720	328,821		736,508	SYS	\$59.00	\$43,453,951	8.7%
12	JOINT ADHESIVE, SURFACE	664,823	163,298	50,080	105,177	252,928	1,004,233		2,240,539	LFT	\$0.50	\$1,120,270	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	923,359	226,784	69,070	143,651	348,394	1,372,479		3,083,737	LFT	\$0.50	\$1,541,869	0.3%
14	ASPHALT FOR TACK COAT	186	47	14	31	70	283		632	TON	\$1,000.00	\$631,978	0.1%
15	COMPACTED AGGREGATE, NO. 53	143,337	35,515	11,002	23,978	55,333	225,444		494,609	TON	\$22.00	\$10,881,399	2.2%
16	INLET, TYPE P	0	0	0	0	0	0		0	EA	\$3,000.00	\$726	0.0%
17	PIPE, TYPE 2, 15"	1	1	0	1	2	15		21	LFT	\$45.00	\$923	0.0%
18	END SECTION, 15"	0	0	0	0	0	0		0	EA	\$500.00	\$121	0.0%
19	REVTMENT RIPRAP	6,788	2,350	178	1,405	2,087	6,091		18,899	TON	\$30.00	\$566,968	0.1%
20	GEOTEXTILES FOR RIPRAP	8,398	2,873	231	1,725	2,653	7,473		23,353	SYS	\$4.00	\$93,414	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	0	5	2	4	9	60		80	CYS	\$30.00	\$2,395	0.0%
22	SEEDING, TYPE R	84,507	20,007	8,581	16,484	32,506	314,384		476,468	LBS	\$3.00	\$1,429,405	0.3%
23	MULCHING	824	195	84	161	317	3,067		4,648	TON	\$450.00	\$2,091,812	0.4%
24	FERTILIZER	165	39	17	32	63	613		930	TON	\$850.00	\$790,240	0.2%
25	UNDERDRAIN, 4"	424,302	106,892	32,760	73,578	162,512	676,722		1,476,766	LFT	\$3.00	\$4,430,298	0.9%
26	AGGREGATE FOR UNDERDRAIN	38,187	9,620	2,948	6,622	14,626	60,905		132,909	CYS	\$43.00	\$5,715,084	1.2%
27	GEOTEXTILES FOR UNDERDRAIN	196,122	49,408	15,142	34,009	75,117	312,796		682,594	SYS	\$1.50	\$1,023,891	0.2%
28	OUTLET PROTECTOR	1,061	267	82	184	406	1,692		3,692	EA	\$900.00	\$3,322,724	0.7%
29	PAVEMENT MARKINGS	609,296	149,764	44,058	103,367	210,924	874,419		1,991,826	LFT	\$1.00	\$1,991,826	0.4%
30	FENCE, RIGHT-OF-WAY	230,166	60,526	18,050	43,664	86,306	359,896		798,608	LFT	\$6.00	\$4,791,648	1.0%
31	CULVERT, CIRCULAR	7,407	1,635	600	1,825	3,565	5,990		21,022	LFT	\$200.00	\$4,204,400	0.8%
32	CULVERT, 4-SIDED BOX	5,215	1,739	0	0	1,130	9,486		17,570	LFT	\$750.00	\$13,177,500	2.7%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	150		150	LFT	\$2,500.00	\$375,000	0.1%
34	BRIDGE	10,339	487	5,848	453	1,044	16,883		35,055	SYS	\$1,850.00	\$64,851,359	13.1%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$112,785,264	\$23,902,987	\$18,683,335	\$17,233,464	\$57,452,735	\$266,711,786		Cross Check		OK	\$496,769,572	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	38,103	148,813	0				62.40	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		7		11								
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$14,903,087	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$2,483,848	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	1	5.0%	0	0.0%	N/A	LS	N/A	\$13,335,589	2.7%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$4,967,696	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$8,445,083	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$26,328,787	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$7,451,544	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$4,967,696	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$15,789,937		\$3,346,418		\$2,615,667		\$2,412,685		\$8,043,383		\$50,675,239		\$0		Cross Check		OK	\$82,883,329	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$128,575,201		\$27,249,405		\$21,299,002		\$19,646,149		\$65,496,118		\$317,387,026		\$0		Cross Check		OK	\$579,652,901	
CONSTRUCTION CONTINGENCY		20%		20%		20%		20%		20%		20%		20%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$154,290,241		\$32,699,286		\$25,558,803		\$23,575,379		\$78,595,341		\$380,864,431		\$0		Cross Check		OK	\$695,583,482	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$8,392,596		\$7,447,364		\$18,348,128		\$8,322,391		\$10,891,095		\$13,513,364		#DIV/0!					\$11,146,934	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		7		11								
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$34,779,174	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$34,779,174	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$104,337,522	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$69,558,348	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$83,470,018	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$72,516,413.45		\$15,368,664.31		\$12,012,637.30		\$11,080,428.27		\$36,939,810.37		\$179,006,282.63		\$0.00		Cross Check		OK	\$326,924,236	
TOTAL OVERALL COST OF PROJECT		\$226,806,654.82		\$48,067,950.08		\$37,571,440.05		\$34,655,807.58		\$115,535,151.57		\$559,870,713.75		\$0.00		Cross Check		OK	\$1,022,507,718	
TOTAL OVERAL COST OF PROJECT PER MILE		\$12,337,115.60		\$10,947,624.40		\$26,971,747.58		\$12,233,914.82		\$16,009,909.99		\$19,864,644.68		#DIV/0!					\$16,385,993.49	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE M3W (Section 2 Western Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12	13	14	3	4	7	11					
1	COMMON EXCAVATION	1,155,115	202,573	560,103	310,665	928,698	3,167,805	17,757,842	24,082,801	CYS	\$7.00	\$168,579,607	35.2%
2	ROCK EXCAVATION	288,779	50,643	140,026	77,666	163,888	559,024	3,133,737	4,413,763	CYS	\$7.00	\$30,896,342	6.5%
3	BORROW	1,441,158	0	0	207,209	0	1,583,269	0	3,231,636	CYS	\$6.00	\$19,389,818	4.1%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,835,760	557,702	656,924	229,647	431,037	964,843	7,937,409	12,613,322	SYS	\$1.00	\$12,613,322	2.6%
5	SETTLEMENT PLATE	165	54	61	18	44	86	360	788	EA	\$1,100.00	\$867,088	0.2%
6	STAKE, LATERAL	165	54	61	18	44	86	360	788	EA	\$375.00	\$295,598	0.1%
7	STAKE, SETTLEMENT	165	54	61	18	44	86	360	788	EA	\$150.00	\$118,239	0.0%
8	SUBGRADE TREATMENT, TYPE IB	590,192	199,070	222,492	63,947	142,219	314,590	1,282,288	2,814,798	SYS	\$6.00	\$16,888,789	3.5%
9	QC/QA, SURFACE, 9.5mm	43,046	14,694	16,297	4,675	10,384	22,974	93,382	205,452	TON	\$80.00	\$16,436,168	3.4%
10	QC/QA, INTERMEDIATE, 19.0mm	136,014	46,483	51,512	14,777	32,841	72,592	295,093	649,312	TON	\$62.00	\$40,257,357	8.4%
11	QC/QA, BASE, 25.0mm	151,290	52,821	57,686	16,543	37,149	80,720	328,821	725,030	SYS	\$59.00	\$42,776,776	8.9%
12	JOINT ADHESIVE, SURFACE	470,962	151,913	175,548	50,080	105,177	252,928	1,004,233	2,210,841	LFT	\$0.50	\$1,105,421	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	645,516	216,059	243,804	69,070	143,651	348,394	1,372,479	3,038,973	LFT	\$0.50	\$1,519,487	0.3%
14	ASPHALT FOR TACK COAT	130	45	49	14	31	70	283	623	TON	\$1,000.00	\$622,582	0.1%
15	COMPACTED AGGREGATE, NO. 53	104,385	31,267	37,882	11,002	23,978	55,333	225,444	489,291	TON	\$22.00	\$10,764,402	2.3%
16	INLET, TYPE P	142	41	51	0	0	0	0	234	EA	\$3,000.00	\$703,216	0.1%
17	PIPE, TYPE 2, 15"	8,452	2,477	3,034	0	1	2	15	13,982	LFT	\$45.00	\$629,189	0.1%
18	END SECTION, 15"	142	41	51	0	0	0	0	234	EA	\$500.00	\$117,203	0.0%
19	REVTMENT RIPRAP	6,479	943	1,393	178	1,405	2,087	6,091	18,576	TON	\$30.00	\$557,294	0.1%
20	GEOTEXTILES FOR RIPRAP	8,557	1,327	1,889	231	1,725	2,653	7,473	23,855	SYS	\$4.00	\$95,421	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	33,809	9,908	12,136	2	4	9	60	55,928	CYS	\$30.00	\$1,677,836	0.4%
22	SEEDING, TYPE R	64,796	20,505	23,553	8,581	16,484	32,506	314,384	480,808	LBS	\$3.00	\$1,442,424	0.3%
23	MULCHING	632	200	230	84	161	317	3,067	4,691	TON	\$450.00	\$2,110,864	0.4%
24	FERTILIZER	126	40	46	17	32	63	613	938	TON	\$850.00	\$797,438	0.2%
25	UNDERDRAIN, 4"	307,908	94,322	112,312	32,760	73,578	162,512	676,722	1,460,114	LFT	\$3.00	\$4,380,342	0.9%
26	AGGREGATE FOR UNDERDRAIN	27,712	8,489	10,108	2,948	6,622	14,626	60,905	131,410	CYS	\$43.00	\$5,650,641	1.2%
27	GEOTEXTILES FOR UNDERDRAIN	142,322	43,598	51,913	15,142	34,009	75,117	312,796	674,897	SYS	\$1.50	\$1,012,346	0.2%
28	OUTLET PROTECTOR	770	236	281	82	184	406	1,692	3,650	EA	\$900.00	\$3,285,257	0.7%
29	PAVEMENT MARKINGS	398,622	141,124	152,256	44,058	103,367	210,924	874,419	1,924,767	LFT	\$1.00	\$1,924,767	0.4%
30	FENCE, RIGHT-OF-WAY	165,454	53,716	61,176	18,050	43,664	86,306	359,896	788,262	LFT	\$6.00	\$4,729,572	1.0%
31	CULVERT, CIRCULAR	4,365	770	400	600	1,825	3,565	5,990	17,515	LFT	\$200.00	\$3,503,000	0.7%
32	CULVERT, 4-SIDED BOX	4,280	580	1,180	0	0	1,130	9,486	16,656	LFT	\$750.00	\$12,492,000	2.6%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0	150	150	LFT	\$2,500.00	\$375,000	0.1%
34	BRIDGE	11,383	0	2,089	5,848	453	1,044	16,883	37,700	SYS	\$1,850.00	\$69,745,802	14.6%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$80,450,898	\$14,450,185	\$23,378,199	\$18,683,335	\$17,233,464	\$57,452,735	\$266,711,786	<b>Cross Check</b>		<b>OK</b>	<b>\$478,360,604</b>	
SEGMENT LENGTH (LFT)		71,227	20,303	25,568	7,355	14,957	38,103	148,813				<b>61.80</b>	MILES



LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		4		7		11						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$14,350,818	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$2,391,803	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$16,208,226	3.4%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$4,783,606	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$8,132,130	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$25,353,112	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$7,175,409	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$4,783,606	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$11,263,126		\$2,023,026		\$3,272,948		\$2,615,667		\$2,412,685		\$10,916,020		\$50,675,239		Cross Check		OK	\$83,178,711	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$91,714,024		\$16,473,211		\$26,651,147		\$21,299,002		\$19,646,149		\$68,368,754		\$317,387,026		Cross Check		OK	\$561,539,314	
CONSTRUCTION CONTINGENCY		20%		20%		20%		20%		20%		20%		20%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$110,056,829		\$19,767,853		\$31,981,377		\$25,558,803		\$23,575,379		\$82,042,505		\$380,864,431		Cross Check		OK	\$673,847,177	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$8,158,424		\$5,140,830		\$6,604,414		\$18,348,128		\$8,322,391		\$11,368,775		\$13,513,364					\$10,902,941	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		4		7		11						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$33,692,359	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$33,692,359	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$101,077,077	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$67,384,718	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$80,861,661	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$51,726,710		\$9,290,891		\$15,031,247		\$12,012,637		\$11,080,428		\$38,559,977		\$179,006,283		Cross Check		OK	\$316,708,173	
TOTAL OVERALL COST OF PROJECT		\$161,783,539		\$29,058,744		\$47,012,624		\$37,571,440		\$34,655,808		\$120,602,483		\$559,870,714		Cross Check		OK	\$990,555,351	
TOTAL OVERAL COST OF PROJECT PER MILE		\$11,992,883		\$7,557,020		\$9,708,489		\$26,971,748		\$12,233,915		\$16,712,099		\$19,864,645					\$16,027,323.14	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE O3E (Section 2 Eastern Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	9	10									
1	COMMON EXCAVATION	4,280,852	504,015	26,558,848					31,343,716	CYS	\$7.00	\$219,406,009	47.3%
2	ROCK EXCAVATION	1,070,213	88,944	4,686,856					5,846,012	CYS	\$7.00	\$40,922,087	8.8%
3	BORROW	309,619	0	0					309,619	CYS	\$6.00	\$1,857,713	0.4%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	2,420,680	856,704	856,704					4,134,088	SYS	\$1.00	\$4,134,088	0.9%
5	SETTLEMENT PLATE	230	25	443					698	EA	\$1,100.00	\$767,996	0.2%
6	STAKE, LATERAL	230	25	443					698	EA	\$375.00	\$261,817	0.1%
7	STAKE, SETTLEMENT	230	25	443					698	EA	\$150.00	\$104,727	0.0%
8	SUBGRADE TREATMENT, TYPE IB	840,181	91,749	1,608,409					2,540,340	SYS	\$6.00	\$15,242,037	3.3%
9	QC/QA, SURFACE, 9.5mm	61,536	6,829	118,108					186,473	TON	\$80.00	\$14,917,851	3.2%
10	QC/QA, INTERMEDIATE, 19.0mm	194,502	21,627	373,447					589,576	TON	\$62.00	\$36,553,735	7.9%
11	QC/QA, BASE, 25.0mm	217,671	25,072	420,710					663,453	SYS	\$59.00	\$39,143,725	8.4%
12	JOINT ADHESIVE, SURFACE	664,823	65,771	1,248,615					1,979,209	LFT	\$0.50	\$989,605	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	923,359	96,053	1,746,785					2,766,197	LFT	\$0.50	\$1,383,099	0.3%
14	ASPHALT FOR TACK COAT	186	21	358					565	TON	\$1,000.00	\$565,070	0.1%
15	COMPACTED AGGREGATE, NO. 53	143,337	12,897	266,105					422,339	TON	\$22.00	\$9,291,463	2.0%
16	INLET, TYPE P	0	15	353					368	EA	\$3,000.00	\$1,103,885	0.2%
17	PIPE, TYPE 2, 15"	1	2,872	9,757					12,629	LFT	\$45.00	\$568,300	0.1%
18	END SECTION, 15"	0	15	353					368	EA	\$500.00	\$183,981	0.0%
19	REVTMENT RIPRAP	6,788	1,467	10,972					19,226	TON	\$30.00	\$576,793	0.1%
20	GEOTEXTILES FOR RIPRAP	8,398	1,879	14,789					25,066	SYS	\$4.00	\$100,265	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	0	61	1,411					1,472	CYS	\$30.00	\$44,154	0.0%
22	SEEDING, TYPE R	84,507	35,888	8,234					128,629	LBS	\$3.00	\$385,886	0.1%
23	MULCHING	824	350	80					1,255	TON	\$450.00	\$564,711	0.1%
24	FERTILIZER	165	70	16					251	TON	\$850.00	\$213,335	0.0%
25	UNDERDRAIN, 4"	424,302	40,374	795,590					1,260,266	LFT	\$3.00	\$3,780,798	0.8%
26	AGGREGATE FOR UNDERDRAIN	38,187	3,634	71,603					113,424	CYS	\$43.00	\$4,877,229	1.1%
27	GEOTEXTILES FOR UNDERDRAIN	196,122	18,662	367,739					582,523	SYS	\$1.50	\$873,784	0.2%
28	OUTLET PROTECTOR	1,061	101	1,989					3,151	EA	\$900.00	\$2,835,599	0.6%
29	PAVEMENT MARKINGS	609,296	68,950	1,119,563					1,797,808	LFT	\$1.00	\$1,797,808	0.4%
30	FENCE, RIGHT-OF-WAY	230,166	25,072	442,940					698,178	LFT	\$6.00	\$4,189,068	0.9%
31	CULVERT, CIRCULAR	7,407	1,075	8,495					16,977	LFT	\$200.00	\$3,395,400	0.7%
32	CULVERT, 4-SIDED BOX	5,215	740	12,725					18,680	LFT	\$750.00	\$14,010,000	3.0%
33	CULVERT, 3-SIDED BOX	0	0	0					0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	10,339	0	10,548					20,887	SYS	\$1,850.00	\$38,640,333	8.3%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$112,785,264	\$11,296,926	\$339,600,160					Cross Check		OK	\$463,682,350	
SEGMENT LENGTH (LFT)		97,068	7,651	176,325	0	0	0	0				53.23	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		9		10														
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$13,910,471	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$2,318,412	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$17,544,854	3.8%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$4,636,824	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$7,882,600	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$24,575,165	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$6,955,235	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$4,636,824	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$15,789,936.98		\$2,146,415.94		\$64,524,030.43		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$82,460,383	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$128,575,201.15		\$13,443,341.92		\$404,124,190.58		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$546,142,734	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$154,290,241.38		\$16,132,010.30		\$484,949,028.69		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$655,371,280	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$8,392,595.65		\$11,132,794.98		\$14,521,655.30		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$12,312,521.74	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		9		10														
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$32,768,564	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$32,768,564	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$98,305,692	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$65,537,128	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$78,644,554	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$72,516,413.45		\$7,582,044.84		\$227,926,043.49		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$308,024,502	
TOTAL OVERALL COST OF PROJECT		\$226,806,654.82		\$23,714,055.14		\$712,875,072.18		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$963,395,782	
TOTAL OVERAL COST OF PROJECT PER MILE		\$12,337,115.60		\$16,365,208.62		\$21,346,833.30		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$18,099,406.96	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE O3W (Section 2 Western Byapss)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12	13	17	10								
1	COMMON EXCAVATION	1,155,115	202,573	1,414,004	26,558,848				29,330,539	CYS	\$7.00	\$205,313,772	44.3%
2	ROCK EXCAVATION	288,779	50,643	353,501	4,686,856				5,379,778	CYS	\$7.00	\$37,658,448	8.1%
3	BORROW	1,441,158	0	0	0				1,441,158	CYS	\$6.00	\$8,646,950	1.9%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,835,760	557,702	797,390	856,704				4,047,555	SYS	\$1.00	\$4,047,555	0.9%
5	SETTLEMENT PLATE	165	54	57	443				719	EA	\$1,100.00	\$791,399	0.2%
6	STAKE, LATERAL	165	54	57	443				719	EA	\$375.00	\$269,795	0.1%
7	STAKE, SETTLEMENT	165	54	57	443				719	EA	\$150.00	\$107,918	0.0%
8	SUBGRADE TREATMENT, TYPE IB	590,192	199,070	207,989	1,608,409				2,605,660	SYS	\$6.00	\$15,633,963	3.4%
9	QC/QA, SURFACE, 9.5mm	43,046	14,694	15,250	118,108				191,097	TON	\$80.00	\$15,287,797	3.3%
10	QC/QA, INTERMEDIATE, 19.0mm	136,014	46,483	48,209	373,447				604,154	TON	\$62.00	\$37,457,543	8.1%
11	QC/QA, BASE, 25.0mm	151,290	52,821	54,133	420,710				678,954	SYS	\$59.00	\$40,058,262	8.6%
12	JOINT ADHESIVE, SURFACE	470,962	151,913	162,817	1,248,615				2,034,307	LFT	\$0.50	\$1,017,154	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	645,516	216,059	226,747	1,746,785				2,835,107	LFT	\$0.50	\$1,417,554	0.3%
14	ASPHALT FOR TACK COAT	130	45	46	358				579	TON	\$1,000.00	\$579,083	0.1%
15	COMPACTED AGGREGATE, NO. 53	104,385	31,267	34,987	266,105				436,745	TON	\$22.00	\$9,608,384	2.1%
16	INLET, TYPE P	142	41	47	353				583	EA	\$3,000.00	\$1,747,560	0.4%
17	PIPE, TYPE 2, 15"	8,452	2,477	3,324	9,757				24,009	LFT	\$45.00	\$1,080,423	0.2%
18	END SECTION, 15"	142	41	47	353				583	EA	\$500.00	\$291,260	0.1%
19	REVTMENT RIPRAP	6,479	943	2,940	10,972				21,334	TON	\$30.00	\$640,018	0.1%
20	GEOTEXTILES FOR RIPRAP	8,557	1,327	3,803	14,789				28,476	SYS	\$4.00	\$113,903	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	33,809	9,908	13,294	1,411				58,422	CYS	\$30.00	\$1,752,648	0.4%
22	SEEDING, TYPE R	64,796	20,505	29,492	8,234				123,027	LBS	\$3.00	\$369,080	0.1%
23	MULCHING	632	200	288	80				1,200	TON	\$450.00	\$540,117	0.1%
24	FERTILIZER	126	40	58	16				240	TON	\$850.00	\$204,044	0.0%
25	UNDERDRAIN, 4"	307,908	94,322	104,154	795,590				1,301,974	LFT	\$3.00	\$3,905,922	0.8%
26	AGGREGATE FOR UNDERDRAIN	27,712	8,489	9,374	71,603				117,178	CYS	\$43.00	\$5,038,639	1.1%
27	GEOTEXTILES FOR UNDERDRAIN	142,322	43,598	48,142	367,739				601,801	SYS	\$1.50	\$902,702	0.2%
28	OUTLET PROTECTOR	770	236	260	1,989				3,255	EA	\$900.00	\$2,929,442	0.6%
29	PAVEMENT MARKINGS	398,622	141,124	143,511	1,119,563				1,802,818	LFT	\$1.00	\$1,802,818	0.4%
30	FENCE, RIGHT-OF-WAY	165,454	53,716	57,344	442,940				719,454	LFT	\$6.00	\$4,316,724	0.9%
31	CULVERT, CIRCULAR	4,365	770	2,801	8,495				16,431	LFT	\$200.00	\$3,286,200	0.7%
32	CULVERT, 4-SIDED BOX	4,280	580	2,759	12,725				20,344	LFT	\$750.00	\$15,258,000	3.3%
33	CULVERT, 3-SIDED BOX	0	0	0	0				0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	11,383	0	487	10,548				22,418	SYS	\$1,850.00	\$41,473,958	8.9%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$80,450,898	\$14,450,185	\$29,047,790	\$339,600,160				Cross Check		OK	\$463,549,033	
SEGMENT LENGTH (LFT)		71,227	20,303	23,405	176,325	0	0	0				55.16	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		17		10												
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$13,906,471	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$2,317,745	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$16,980,008	3.7%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$4,635,490	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$7,880,334	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$24,568,099	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$6,953,235	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$4,635,490	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$11,263,126		\$2,023,026		\$4,066,691		\$64,524,030		\$0		\$0		\$0		Cross Check		OK	\$81,876,873	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$91,714,024		\$16,473,211		\$33,114,480		\$404,124,191		\$0		\$0		\$0		Cross Check		OK	\$545,425,906	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$110,056,829		\$19,767,853		\$39,737,376		\$484,949,029		\$0		\$0		\$0		Cross Check		OK	\$654,511,087	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$8,158,424		\$5,140,830		\$8,964,467		\$14,521,655		#DIV/0!		#DIV/0!		#DIV/0!					\$11,865,064.00	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		17		10												
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$32,725,554	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$32,725,554	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$98,176,663	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$65,451,109	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$78,541,330	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$51,726,710		\$9,290,891		\$18,676,567		\$227,926,043		\$0		\$0		\$0		Cross Check		OK	\$307,620,211	
TOTAL OVERALL COST OF PROJECT		\$161,783,539		\$29,058,744		\$58,413,943		\$712,875,072		\$0		\$0		\$0		Cross Check		OK	\$962,131,298	
TOTAL OVERAL COST OF PROJECT PER MILE		\$11,992,883		\$7,557,020		\$13,177,766		\$21,346,833		#DIV/0!		#DIV/0!		#DIV/0!					\$17,441,644.07	



**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE P3Ee (Section 2 Eastern Bypass - Section 3 Eastn Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	2	3	4	7	8	6					
1	COMMON EXCAVATION	4,280,852	1,029,169	310,665	928,698	3,167,805	2,125,701	3,277,321	15,120,212	CYS	\$7.00	\$105,841,483	30.9%
2	ROCK EXCAVATION	1,070,213	257,292	77,666	163,888	559,024	375,124	578,351	3,081,558	CYS	\$7.00	\$21,570,909	6.3%
3	BORROW	309,619	0	207,209	0	1,583,269	137,192	834,246	3,071,536	CYS	\$6.00	\$18,429,214	5.4%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	2,420,680	553,345	229,647	431,037	964,843	751,499	1,762,732	7,113,782	SYS	\$1.00	\$7,113,782	2.1%
5	SETTLEMENT PLATE	230	61	18	44	86	80	169	688	EA	\$1,100.00	\$756,774	0.2%
6	STAKE, LATERAL	230	61	18	44	86	80	169	688	EA	\$375.00	\$257,991	0.1%
7	STAKE, SETTLEMENT	230	61	18	44	86	80	169	688	EA	\$150.00	\$103,196	0.0%
8	SUBGRADE TREATMENT, TYPE IB	840,181	212,857	63,947	142,219	314,590	293,483	611,607	2,478,884	SYS	\$6.00	\$14,873,301	4.3%
9	QC/QA, SURFACE, 9.5mm	61,536	15,601	4,675	10,384	22,974	21,598	44,709	181,478	TON	\$80.00	\$14,518,217	4.2%
10	QC/QA, INTERMEDIATE, 19.0mm	194,502	49,330	14,777	32,841	72,592	68,305	141,293	573,641	TON	\$62.00	\$35,565,740	10.4%
11	QC/QA, BASE, 25.0mm	217,671	55,604	16,543	37,149	80,720	77,265	157,621	642,572	SYS	\$59.00	\$37,911,776	11.1%
12	JOINT ADHESIVE, SURFACE	664,823	163,298	50,080	105,177	252,928	225,711	486,751	1,948,768	LFT	\$0.50	\$974,384	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	923,359	226,784	69,070	143,651	348,394	317,893	672,073	2,701,224	LFT	\$0.50	\$1,350,612	0.4%
14	ASPHALT FOR TACK COAT	186	47	14	31	70	65	135	550	TON	\$1,000.00	\$549,932	0.2%
15	COMPACTED AGGREGATE, NO. 53	143,337	35,515	11,002	23,978	55,333	47,468	106,200	422,834	TON	\$22.00	\$9,302,343	2.7%
16	INLET, TYPE P	0	0	0	0	0	0	0	0	EA	\$3,000.00	\$590	0.0%
17	PIPE, TYPE 2, 15"	1	1	0	1	2	2	4	11	LFT	\$45.00	\$508	0.0%
18	END SECTION, 15"	0	0	0	0	0	0	0	0	EA	\$500.00	\$98	0.0%
19	REVTMENT RIPRAP	6,788	2,350	178	1,405	2,087	2,692	5,871	21,370	TON	\$30.00	\$641,095	0.2%
20	GEOTEXTILES FOR RIPRAP	8,398	2,873	231	1,725	2,653	3,337	7,247	26,464	SYS	\$4.00	\$105,856	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	0	5	2	4	9	7	16	43	CYS	\$30.00	\$1,287	0.0%
22	SEEDING, TYPE R	84,507	20,007	8,581	16,484	32,506	26,712	59,133	247,929	LBS	\$3.00	\$743,788	0.2%
23	MULCHING	824	195	84	161	317	261	577	2,419	TON	\$450.00	\$1,088,470	0.3%
24	FERTILIZER	165	39	17	32	63	52	115	484	TON	\$850.00	\$411,200	0.1%
25	UNDERDRAIN, 4"	424,302	106,892	32,760	73,578	162,512	142,614	313,534	1,256,192	LFT	\$3.00	\$3,768,576	1.1%
26	AGGREGATE FOR UNDERDRAIN	38,187	9,620	2,948	6,622	14,626	12,835	28,218	113,057	CYS	\$43.00	\$4,861,463	1.4%
27	GEOTEXTILES FOR UNDERDRAIN	196,122	49,408	15,142	34,009	75,117	65,919	144,922	580,640	SYS	\$1.50	\$870,960	0.3%
28	OUTLET PROTECTOR	1,061	267	82	184	406	357	784	3,140	EA	\$900.00	\$2,826,432	0.8%
29	PAVEMENT MARKINGS	609,296	149,764	44,058	103,367	210,924	206,300	414,570	1,738,276	LFT	\$1.00	\$1,738,276	0.5%
30	FENCE, RIGHT-OF-WAY	230,166	60,526	18,050	43,664	86,306	80,392	168,872	687,976	LFT	\$6.00	\$4,127,856	1.2%
31	CULVERT, CIRCULAR	7,407	1,635	600	1,825	3,565	2,450	4,830	22,312	LFT	\$200.00	\$4,462,400	1.3%
32	CULVERT, 4-SIDED BOX	5,215	1,739	0	0	1,130	1,955	4,475	14,514	LFT	\$750.00	\$10,885,500	3.2%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0	0	0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	10,339	487	5,848	453	1,044	557	1,218	19,947	SYS	\$1,850.00	\$36,901,518	10.8%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$112,785,264	\$23,902,987	\$18,683,335	\$17,233,464	\$57,452,735	\$38,285,932	\$74,211,809	<b>Cross Check</b>		<b>OK</b>	<b>\$342,555,526</b>	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	38,103	31,111	72,331				<b>53.81</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		7		8		6						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$10,276,666	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$1,712,778	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	0.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$3,425,555	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$5,823,444	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$18,155,443	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$5,138,333	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$3,425,555	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$15,789,937		\$3,346,418		\$2,615,667		\$2,412,685		\$8,043,383		\$5,360,031		\$10,389,653		Cross Check		OK	\$47,957,774	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$128,575,201		\$27,249,405		\$21,299,002		\$19,646,149		\$65,496,118		\$43,645,963		\$84,601,462		Cross Check		OK	\$390,513,300	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$154,290,241		\$32,699,286		\$25,558,803		\$23,575,379		\$78,595,341		\$52,375,156		\$101,521,754		Cross Check		OK	\$468,615,960	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$8,392,596		\$7,447,364		\$18,348,128		\$8,322,391		\$10,891,095		\$8,888,844		\$7,410,859					\$8,708,984.86	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		7		8		6						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$23,430,798	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$23,430,798	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$70,292,394	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$46,861,596	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$56,233,915	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$72,516,413		\$15,368,664		\$12,012,637		\$11,080,428		\$36,939,810		\$24,616,323		\$47,715,224		Cross Check		OK	\$220,249,501	
TOTAL OVERALL COST OF PROJECT		\$226,806,655		\$48,067,950		\$37,571,440		\$34,655,808		\$115,535,152		\$76,991,479		\$149,236,979		Cross Check		OK	\$688,865,461	
TOTAL OVERAL COST OF PROJECT PER MILE		\$12,337,116		\$10,947,624		\$26,971,748		\$12,233,915		\$16,009,910		\$13,066,600		\$10,893,963					\$12,802,207.74	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE P3Ew (Section 2 Eastern Bypass - Section 3 Western Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	2	3	4	5	6						
1	COMMON EXCAVATION	4,280,852	1,029,169	310,665	928,698	2,597,794	3,277,321		12,424,499	CYS	\$7.00	\$86,971,496	28.2%
2	ROCK EXCAVATION	1,070,213	257,292	77,666	163,888	458,434	578,351		2,605,844	CYS	\$7.00	\$18,240,911	5.9%
3	BORROW	309,619	0	207,209	0	0	834,246		1,351,074	CYS	\$6.00	\$8,106,444	2.6%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	2,420,680	553,345	229,647	431,037	1,612,543	1,762,732		7,009,984	SYS	\$1.00	\$7,009,984	2.3%
5	SETTLEMENT PLATE	230	61	18	44	168	169		689	EA	\$1,100.00	\$757,801	0.2%
6	STAKE, LATERAL	230	61	18	44	168	169		689	EA	\$375.00	\$258,341	0.1%
7	STAKE, SETTLEMENT	230	61	18	44	168	169		689	EA	\$150.00	\$103,337	0.0%
8	SUBGRADE TREATMENT, TYPE IB	840,181	212,857	63,947	142,219	619,892	611,607		2,490,702	SYS	\$6.00	\$14,944,213	4.8%
9	QC/QA, SURFACE, 9.5mm	61,536	15,601	4,675	10,384	45,484	44,709		182,390	TON	\$80.00	\$14,591,177	4.7%
10	QC/QA, INTERMEDIATE, 19.0mm	194,502	49,330	14,777	32,841	143,782	141,293		576,526	TON	\$62.00	\$35,744,619	11.6%
11	QC/QA, BASE, 25.0mm	217,671	55,604	16,543	37,149	161,266	157,621		645,853	SYS	\$59.00	\$38,105,343	12.4%
12	JOINT ADHESIVE, SURFACE	664,823	163,298	50,080	105,177	489,646	486,751		1,959,775	LFT	\$0.50	\$979,888	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	923,359	226,784	69,070	143,651	684,078	672,073		2,719,015	LFT	\$0.50	\$1,359,508	0.4%
14	ASPHALT FOR TACK COAT	186	47	14	31	138	135		553	TON	\$1,000.00	\$552,696	0.2%
15	COMPACTED AGGREGATE, NO. 53	143,337	35,515	11,002	23,978	104,181	106,200		424,213	TON	\$22.00	\$9,332,688	3.0%
16	INLET, TYPE P	0	0	0	0	0	0		0	EA	\$3,000.00	\$594	0.0%
17	PIPE, TYPE 2, 15"	1	1	0	1	4	4		11	LFT	\$45.00	\$503	0.0%
18	END SECTION, 15"	0	0	0	0	0	0		0	EA	\$500.00	\$99	0.0%
19	REVTMENT RIPRAP	6,788	2,350	178	1,405	4,189	5,871		20,780	TON	\$30.00	\$623,388	0.2%
20	GEOTEXTILES FOR RIPRAP	8,398	2,873	231	1,725	5,304	7,247		25,778	SYS	\$4.00	\$103,112	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	0	5	2	4	15	16		42	CYS	\$30.00	\$1,273	0.0%
22	SEEDING, TYPE R	84,507	20,007	8,581	16,484	54,805	59,133		243,516	LBS	\$3.00	\$730,547	0.2%
23	MULCHING	824	195	84	161	535	577		2,376	TON	\$450.00	\$1,069,093	0.3%
24	FERTILIZER	165	39	17	32	107	115		475	TON	\$850.00	\$403,880	0.1%
25	UNDERDRAIN, 4"	424,302	106,892	32,760	73,578	308,564	313,534		1,259,630	LFT	\$3.00	\$3,778,890	1.2%
26	AGGREGATE FOR UNDERDRAIN	38,187	9,620	2,948	6,622	27,771	28,218		113,367	CYS	\$43.00	\$4,874,768	1.6%
27	GEOTEXTILES FOR UNDERDRAIN	196,122	49,408	15,142	34,009	142,625	144,922		582,229	SYS	\$1.50	\$873,343	0.3%
28	OUTLET PROTECTOR	1,061	267	82	184	771	784		3,149	EA	\$900.00	\$2,834,168	0.9%
29	PAVEMENT MARKINGS	609,296	149,764	44,058	103,367	423,997	414,570		1,745,050	LFT	\$1.00	\$1,745,050	0.6%
30	FENCE, RIGHT-OF-WAY	230,166	60,526	18,050	43,664	167,632	168,872		688,910	LFT	\$6.00	\$4,133,460	1.3%
31	CULVERT, CIRCULAR	7,407	1,635	600	1,825	6,534	4,830		22,831	LFT	\$200.00	\$4,566,200	1.5%
32	CULVERT, 4-SIDED BOX	5,215	1,739	0	0	1,745	4,475		13,174	LFT	\$750.00	\$9,880,500	3.2%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0		0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	10,339	487	5,848	453	975	1,218		19,320	SYS	\$1,850.00	\$35,742,308	11.6%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$112,785,264	\$23,902,987	\$18,683,335	\$17,233,464	\$61,602,763	\$74,211,809	\$0	<b>Cross Check</b>		<b>OK</b>	<b>\$308,419,622</b>	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	70,466	72,331	0				<b>54.05</b>	MILES



LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		5		6								
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$9,252,589	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$1,542,098	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$3,084,196	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$5,243,134	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$16,346,240	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$4,626,294	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$3,084,196	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$15,789,936.98		\$3,346,418.13		\$2,615,666.95		\$2,412,685.02		\$8,624,386.81		\$10,389,653.20		\$0.00		Cross Check		OK	\$43,178,747	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$128,575,201.15		\$27,249,404.81		\$21,299,002.30		\$19,646,149.42		\$70,227,149.76		\$84,601,461.74		\$0.00		Cross Check		OK	\$351,598,369	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$154,290,241.38		\$32,699,285.77		\$25,558,802.76		\$23,575,379.31		\$84,272,579.71		\$101,521,754.09		\$0.00		Cross Check		OK	\$421,918,043	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$8,392,595.65		\$7,447,363.54		\$18,348,127.61		\$8,322,391.04		\$6,314,523.61		\$7,410,859.27		#DIV/0!					\$7,806,725.77	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		5		6								
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$21,095,902	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$21,095,902	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$63,287,706	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$42,191,804	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$50,630,165	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$72,516,413.45		\$15,368,664.31		\$12,012,637.30		\$11,080,428.27		\$39,608,112.46		\$47,715,224.42		\$0.00		Cross Check		OK	\$198,301,480	
TOTAL OVERALL COST OF PROJECT		\$226,806,654.82		\$48,067,950.08		\$37,571,440.05		\$34,655,807.58		\$123,880,692.18		\$149,236,978.52		\$0.00		Cross Check		OK	\$620,219,523	
TOTAL OVERAL COST OF PROJECT PER MILE		\$12,337,115.60		\$10,947,624.40		\$26,971,747.58		\$12,233,914.82		\$9,282,349.71		\$10,893,963.12		#DIV/0!					\$11,475,886.89	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE P3We (Section 2 Western Bypass - Section 3 Eastern Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS														
ITEM #	DESCRIPTION	SEGMENT NUMBER								TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12	13	14	3	4	7	8	6					
1	COMMON EXCAVATION	1,155,115	202,573	560,103	310,665	928,698	3,167,805	2,125,701	3,277,321	11,727,981	CYS	\$7.00	\$82,095,865	25.3%
2	ROCK EXCAVATION	288,779	50,643	140,026	77,666	163,888	559,024	375,124	578,351	2,233,501	CYS	\$7.00	\$15,634,505	4.8%
3	BORROW	1,441,158	0	0	207,209	0	1,583,269	137,192	834,246	4,203,075	CYS	\$6.00	\$25,218,451	7.8%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,835,760	557,702	656,924	229,647	431,037	964,843	751,499	1,762,732	7,190,144	SYS	\$1.00	\$7,190,144	2.2%
5	SETTLEMENT PLATE	165	54	61	18	44	86	80	169	678	EA	\$1,100.00	\$745,393	0.2%
6	STAKE, LATERAL	165	54	61	18	44	86	80	169	678	EA	\$375.00	\$254,111	0.1%
7	STAKE, SETTLEMENT	165	54	61	18	44	86	80	169	678	EA	\$150.00	\$101,645	0.0%
8	SUBGRADE TREATMENT, TYPE IB	590,192	199,070	222,492	63,947	142,219	314,590	293,483	611,607	2,437,600	SYS	\$6.00	\$14,625,600	4.5%
9	QC/QA, SURFACE, 9.5mm	43,046	14,694	16,297	4,675	10,384	22,974	21,598	44,709	178,377	TON	\$80.00	\$14,270,168	4.4%
10	QC/QA, INTERMEDIATE, 19.0mm	136,014	46,483	51,512	14,777	32,841	72,592	68,305	141,293	563,817	TON	\$62.00	\$34,956,681	10.8%
11	QC/QA, BASE, 25.0mm	151,290	52,821	57,686	16,543	37,149	80,720	77,265	157,621	631,095	SYS	\$59.00	\$37,234,601	11.5%
12	JOINT ADHESIVE, SURFACE	470,962	151,913	175,548	50,080	105,177	252,928	225,711	486,751	1,919,070	LFT	\$0.50	\$959,535	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	645,516	216,059	243,804	69,070	143,651	348,394	317,893	672,073	2,656,460	LFT	\$0.50	\$1,328,230	0.4%
14	ASPHALT FOR TACK COAT	130	45	49	14	31	70	65	135	541	TON	\$1,000.00	\$540,537	0.2%
15	COMPACTED AGGREGATE, NO. 53	104,385	31,267	37,882	11,002	23,978	55,333	47,468	106,200	417,516	TON	\$22.00	\$9,185,346	2.8%
16	INLET, TYPE P	142	41	51	0	0	0	0	0	234	EA	\$3,000.00	\$703,080	0.2%
17	PIPE, TYPE 2, 15"	8,452	2,477	3,034	0	1	2	2	4	13,973	LFT	\$45.00	\$628,773	0.2%
18	END SECTION, 15"	142	41	51	0	0	0	0	0	234	EA	\$500.00	\$117,180	0.0%
19	REVTMENT RIPRAP	6,479	943	1,393	178	1,405	2,087	2,692	5,871	21,047	TON	\$30.00	\$631,421	0.2%
20	GEOTEXTILES FOR RIPRAP	8,557	1,327	1,889	231	1,725	2,653	3,337	7,247	26,966	SYS	\$4.00	\$107,863	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	33,809	9,908	12,136	2	4	9	7	16	55,891	CYS	\$30.00	\$1,676,728	0.5%
22	SEEDING, TYPE R	64,796	20,505	23,553	8,581	16,484	32,506	26,712	59,133	252,269	LBS	\$3.00	\$756,807	0.2%
23	MULCHING	632	200	230	84	161	317	261	577	2,461	TON	\$450.00	\$1,107,522	0.3%
24	FERTILIZER	126	40	46	17	32	63	52	115	492	TON	\$850.00	\$418,397	0.1%
25	UNDERDRAIN, 4"	307,908	94,322	112,312	32,760	73,578	162,512	142,614	313,534	1,239,540	LFT	\$3.00	\$3,718,620	1.1%
26	AGGREGATE FOR UNDERDRAIN	27,712	8,489	10,108	2,948	6,622	14,626	12,835	28,218	111,559	CYS	\$43.00	\$4,797,020	1.5%
27	GEOTEXTILES FOR UNDERDRAIN	142,322	43,598	51,913	15,142	34,009	75,117	65,919	144,922	572,943	SYS	\$1.50	\$859,414	0.3%
28	OUTLET PROTECTOR	770	236	281	82	184	406	357	784	3,099	EA	\$900.00	\$2,788,965	0.9%
29	PAVEMENT MARKINGS	398,622	141,124	152,256	44,058	103,367	210,924	206,300	414,570	1,671,218	LFT	\$1.00	\$1,671,218	0.5%
30	FENCE, RIGHT-OF-WAY	165,454	53,716	61,176	18,050	43,664	86,306	80,392	168,872	677,630	LFT	\$6.00	\$4,065,780	1.3%
31	CULVERT, CIRCULAR	4,365	770	400	600	1,825	3,565	2,450	4,830	18,805	LFT	\$200.00	\$3,761,000	1.2%
32	CULVERT, 4-SIDED BOX	4,280	580	1,180	0	0	1,130	1,955	4,475	13,600	LFT	\$750.00	\$10,200,000	3.1%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0	0	0	0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	11,383	0	2,089	5,848	453	1,044	557	1,218	22,592	SYS	\$1,850.00	\$41,795,961	12.9%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$80,450,898	\$14,450,185	\$23,378,199	\$18,683,335	\$17,233,464	\$57,452,735	\$38,285,932	\$74,211,809	<b>Cross Check</b>		<b>OK</b>	<b>\$324,146,558</b>	
SEGMENT LENGTH (LFT)		71,227	20,303	25,568	7,355	14,957	38,103	31,111	72,331				<b>53.21</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																						
ITEM #	DESCRIPTION	SEGMENT NUMBER																TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		4		7		8		6						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$9,724,397	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$1,620,733	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$3,241,466	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$5,510,491	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$17,179,768	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$4,862,198	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$3,241,466	1.0%
B-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$11,263,126		\$2,023,026		\$3,272,948		\$2,615,667		\$2,412,685		\$8,043,383		\$5,360,031		\$10,389,653		Cross Check		OK	\$45,380,518	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$91,714,024		\$16,473,211		\$26,651,147		\$21,299,002		\$19,646,149		\$65,496,118		\$43,645,963		\$84,601,462		Cross Check		OK	\$369,527,077	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$110,056,829		\$19,767,853		\$31,981,377		\$25,558,803		\$23,575,379		\$78,595,341		\$52,375,156		\$101,521,754		Cross Check		OK	\$443,432,492	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$8,158,424		\$5,140,830		\$6,604,414		\$18,348,128		\$8,322,391		\$10,891,095		\$8,888,844		\$7,410,859					\$8,333,446.84	

ITEM #	DESCRIPTION	SEGMENT NUMBER																TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		4		7		8		6						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.			%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$22,171,625	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$22,171,625	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$66,514,874	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$44,343,249	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$53,211,899	12.0%
																		N/A	LS	N/A	\$0	0.0%
																		N/A	LS	N/A	\$0	0.0%
																		N/A	LS	N/A	\$0	0.0%
																		N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$51,726,710		\$9,290,891		\$15,031,247		\$12,012,637		\$11,080,428		\$36,939,810		\$24,616,323		\$47,715,224		Cross Check		OK	\$208,413,271	
TOTAL OVERALL COST OF PROJECT		\$161,783,539		\$29,058,744		\$47,012,624		\$37,571,440		\$34,655,808		\$115,535,152		\$76,991,479		\$149,236,979		Cross Check		OK	\$651,845,763	
TOTAL OVERAL COST OF PROJECT PER MILE		\$11,992,883		\$7,557,020		\$9,708,489		\$26,971,748		\$12,233,915		\$16,009,910		\$13,066,600		\$10,893,963					\$12,250,166.85	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE P3Ww (Section 2 Western Bypass - Section 3 Western Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12	13	14	3	4	5	6					
1	COMMON EXCAVATION	1,155,115	202,573	560,103	310,665	928,698	2,597,794	3,277,321	9,032,268	CYS	\$7.00	\$63,225,878	21.8%
2	ROCK EXCAVATION	288,779	50,643	140,026	77,666	163,888	458,434	578,351	1,757,787	CYS	\$7.00	\$12,304,507	4.2%
3	BORROW	1,441,158	0	0	207,209	0	0	834,246	2,482,613	CYS	\$6.00	\$14,895,681	5.1%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,835,760	557,702	656,924	229,647	431,037	1,612,543	1,762,732	7,086,345	SYS	\$1.00	\$7,086,345	2.4%
5	SETTLEMENT PLATE	165	54	61	18	44	168	169	679	EA	\$1,100.00	\$746,420	0.3%
6	STAKE, LATERAL	165	54	61	18	44	168	169	679	EA	\$375.00	\$254,462	0.1%
7	STAKE, SETTLEMENT	165	54	61	18	44	168	169	679	EA	\$150.00	\$101,785	0.0%
8	SUBGRADE TREATMENT, TYPE IB	590,192	199,070	222,492	63,947	142,219	619,892	611,607	2,449,419	SYS	\$6.00	\$14,696,512	5.1%
9	QC/QA, SURFACE, 9.5mm	43,046	14,694	16,297	4,675	10,384	45,484	44,709	179,289	TON	\$80.00	\$14,343,129	4.9%
10	QC/QA, INTERMEDIATE, 19.0mm	136,014	46,483	51,512	14,777	32,841	143,782	141,293	566,703	TON	\$62.00	\$35,135,561	12.1%
11	QC/QA, BASE, 25.0mm	151,290	52,821	57,686	16,543	37,149	161,266	157,621	634,376	SYS	\$59.00	\$37,428,167	12.9%
12	JOINT ADHESIVE, SURFACE	470,962	151,913	175,548	50,080	105,177	489,646	486,751	1,930,077	LFT	\$0.50	\$965,039	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	645,516	216,059	243,804	69,070	143,651	684,078	672,073	2,674,251	LFT	\$0.50	\$1,337,126	0.5%
14	ASPHALT FOR TACK COAT	130	45	49	14	31	138	135	543	TON	\$1,000.00	\$543,300	0.2%
15	COMPACTED AGGREGATE, NO. 53	104,385	31,267	37,882	11,002	23,978	104,181	106,200	418,895	TON	\$22.00	\$9,215,692	3.2%
16	INLET, TYPE P	142	41	51	0	0	0	0	234	EA	\$3,000.00	\$703,083	0.2%
17	PIPE, TYPE 2, 15"	8,452	2,477	3,034	0	1	4	4	13,973	LFT	\$45.00	\$628,768	0.2%
18	END SECTION, 15"	142	41	51	0	0	0	0	234	EA	\$500.00	\$117,181	0.0%
19	REVTMENT RIPRAP	6,479	943	1,393	178	1,405	4,189	5,871	20,457	TON	\$30.00	\$613,714	0.2%
20	GEOTEXTILES FOR RIPRAP	8,557	1,327	1,889	231	1,725	5,304	7,247	26,280	SYS	\$4.00	\$105,118	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	33,809	9,908	12,136	2	4	15	16	55,890	CYS	\$30.00	\$1,676,714	0.6%
22	SEEDING, TYPE R	64,796	20,505	23,553	8,581	16,484	54,805	59,133	247,855	LBS	\$3.00	\$743,566	0.3%
23	MULCHING	632	200	230	84	161	535	577	2,418	TON	\$450.00	\$1,088,146	0.4%
24	FERTILIZER	126	40	46	17	32	107	115	484	TON	\$850.00	\$411,077	0.1%
25	UNDERDRAIN, 4"	307,908	94,322	112,312	32,760	73,578	308,564	313,534	1,242,978	LFT	\$3.00	\$3,728,934	1.3%
26	AGGREGATE FOR UNDERDRAIN	27,712	8,489	10,108	2,948	6,622	27,771	28,218	111,868	CYS	\$43.00	\$4,810,325	1.7%
27	GEOTEXTILES FOR UNDERDRAIN	142,322	43,598	51,913	15,142	34,009	142,625	144,922	574,532	SYS	\$1.50	\$861,798	0.3%
28	OUTLET PROTECTOR	770	236	281	82	184	771	784	3,107	EA	\$900.00	\$2,796,701	1.0%
29	PAVEMENT MARKINGS	398,622	141,124	152,256	44,058	103,367	423,997	414,570	1,677,992	LFT	\$1.00	\$1,677,992	0.6%
30	FENCE, RIGHT-OF-WAY	165,454	53,716	61,176	18,050	43,664	167,632	168,872	678,564	LFT	\$6.00	\$4,071,384	1.4%
31	CULVERT, CIRCULAR	4,365	770	400	600	1,825	6,534	4,830	19,324	LFT	\$200.00	\$3,864,800	1.3%
32	CULVERT, 4-SIDED BOX	4,280	580	1,180	0	0	1,745	4,475	12,260	LFT	\$750.00	\$9,195,000	3.2%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0	0	0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	11,383	0	2,089	5,848	453	975	1,218	21,966	SYS	\$1,850.00	\$40,636,751	14.0%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$80,450,898	\$14,450,185	\$23,378,199	\$18,683,335	\$17,233,464	\$61,602,763	\$74,211,809	<b>Cross Check</b>		<b>OK</b>	<b>\$290,010,654</b>	
SEGMENT LENGTH (LFT)		71,227	20,303	25,568	7,355	14,957	70,466	72,331				<b>53.45</b>	MILES



LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		4		5		6						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$8,700,320	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$1,450,053	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$2,900,107	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$4,930,181	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$15,370,565	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$4,350,160	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$2,900,107	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$11,263,125.78		\$2,023,025.90		\$3,272,947.92		\$2,615,666.95		\$2,412,685.02		\$8,624,386.81		\$10,389,653.20		Cross Check		OK	\$40,601,492	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$91,714,024.20		\$16,473,210.88		\$26,651,147.31		\$21,299,002.30		\$19,646,149.42		\$70,227,149.76		\$84,601,461.74		Cross Check		OK	\$330,612,146	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$110,056,829.05		\$19,767,853.06		\$31,981,376.77		\$25,558,802.76		\$23,575,379.31		\$84,272,579.71		\$101,521,754.09		Cross Check		OK	\$396,734,575	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$8,158,423.88		\$5,140,829.64		\$6,604,414.48		\$18,348,127.61		\$8,322,391.04		\$6,314,523.61		\$7,410,859.27					\$7,422,773.19	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		4		5		6						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$19,836,729	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$19,836,729	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$59,510,186	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$39,673,457	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$47,608,149	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$51,726,709.65		\$9,290,890.94		\$15,031,247.08		\$12,012,637.30		\$11,080,428.27		\$39,608,112.46		\$47,715,224.42		Cross Check		OK	\$186,465,250	
TOTAL OVERALL COST OF PROJECT		\$161,783,538.70		\$29,058,743.99		\$47,012,623.85		\$37,571,440.05		\$34,655,807.58		\$123,880,692.18		\$149,236,978.52		Cross Check		OK	\$583,199,825	
TOTAL OVERAL COST OF PROJECT PER MILE		\$11,992,883.10		\$7,557,019.57		\$9,708,489.28		\$26,971,747.58		\$12,233,914.82		\$9,282,349.71		\$10,893,963.12					\$10,911,476.59	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE P231Ew (Section 2 Eastern Bypass - Section 3 Western Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	2	231_1	231_2	231_3	231_4						
1	COMMON EXCAVATION	4,280,852	1,029,169	269,456	265,954	565,803	348,668		6,759,901	CYS	\$7.00	\$47,319,310	25.0%
2	ROCK EXCAVATION	1,070,213	257,292	67,364	66,488	141,451	87,167		1,689,975	CYS	\$7.00	\$11,829,828	6.2%
3	BORROW	309,619	0	0	0	0	0		309,619	CYS	\$6.00	\$1,857,713	1.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	2,420,680	553,345	358,170	190,173	445,887	294,540		4,262,795	SYS	\$1.00	\$4,262,795	2.2%
5	SETTLEMENT PLATE	230	61	33	68	24	41		458	EA	\$1,100.00	\$503,292	0.3%
6	STAKE, LATERAL	230	61	33	68	24	41		458	EA	\$375.00	\$171,577	0.1%
7	STAKE, SETTLEMENT	230	61	33	68	24	41		458	EA	\$150.00	\$68,631	0.0%
8	SUBGRADE TREATMENT, TYPE IB	840,181	212,857	122,978	244,204	100,290	175,793		1,696,303	SYS	\$6.00	\$10,177,819	5.4%
9	QC/QA, SURFACE, 9.5mm	61,536	15,601	9,533	18,898	7,833	13,747		127,148	TON	\$80.00	\$10,171,809	5.4%
10	QC/QA, INTERMEDIATE, 19.0mm	194,502	49,330	30,051	59,614	24,703	43,394		401,595	TON	\$62.00	\$24,898,888	13.1%
11	QC/QA, BASE, 25.0mm	217,671	55,604	31,970	64,234	26,482	47,386		443,347	SYS	\$59.00	\$26,157,478	13.8%
12	JOINT ADHESIVE, SURFACE	664,823	163,298	59,700	117,788	51,511	91,707		1,148,827	LFT	\$0.50	\$574,414	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	923,359	226,784	74,680	149,888	57,931	110,967		1,543,609	LFT	\$0.50	\$771,805	0.4%
14	ASPHALT FOR TACK COAT	186	47	29	57	24	42		385	TON	\$1,000.00	\$385,296	0.2%
15	COMPACTED AGGREGATE, NO. 53	143,337	35,515	16,390	31,710	12,376	20,221		259,550	TON	\$22.00	\$5,710,096	3.0%
16	INLET, TYPE P	0	0	0	0	0	0		0	EA	\$3,000.00	\$100	0.0%
17	PIPE, TYPE 2, 15"	1	1	0	0	0	0		2	LFT	\$45.00	\$85	0.0%
18	END SECTION, 15"	0	0	0	0	0	0		0	EA	\$500.00	\$17	0.0%
19	REVTMENT RIPRAP	6,788	2,350	1,006	1,554	533	1,479		13,710	TON	\$30.00	\$411,310	0.2%
20	GEOTEXTILES FOR RIPRAP	8,398	2,873	1,268	1,959	693	1,842		17,033	SYS	\$4.00	\$68,133	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	0	5	0	0	0	0		5	CYS	\$30.00	\$156	0.0%
22	SEEDING, TYPE R	84,507	20,007	12,887	4,172	15,892	8,421		145,887	LBS	\$3.00	\$437,662	0.2%
23	MULCHING	824	195	126	41	155	82		1,423	TON	\$450.00	\$640,480	0.3%
24	FERTILIZER	165	39	25	8	31	16		285	TON	\$850.00	\$241,959	0.1%
25	UNDERDRAIN, 4"	424,302	106,892	33,440	68,112	24,038	41,256		698,040	LFT	\$3.00	\$2,094,120	1.1%
26	AGGREGATE FOR UNDERDRAIN	38,187	9,620	3,010	6,130	2,163	3,713		62,824	CYS	\$43.00	\$2,701,415	1.4%
27	GEOTEXTILES FOR UNDERDRAIN	196,122	49,408	15,457	31,483	11,111	19,069		322,650	SYS	\$1.50	\$483,974	0.3%
28	OUTLET PROTECTOR	1,061	267	84	170	60	103		1,745	EA	\$900.00	\$1,570,590	0.8%
29	PAVEMENT MARKINGS	609,296	149,764	113,360	226,410	82,056	144,955		1,325,840	LFT	\$1.00	\$1,325,840	0.7%
30	FENCE, RIGHT-OF-WAY	230,166	60,526	33,440	68,112	24,038	41,256		457,538	LFT	\$6.00	\$2,745,228	1.4%
31	CULVERT, CIRCULAR	7,407	1,635	1,115	1,865	910	1,480		14,412	LFT	\$200.00	\$2,882,400	1.5%
32	CULVERT, 4-SIDED BOX	5,215	1,739	335	650	0	620		8,559	LFT	\$750.00	\$6,419,250	3.4%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0		0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	10,339	487	0	0	0	1,462		12,288	SYS	\$1,850.00	\$22,733,396	12.0%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$112,785,264	\$23,902,987	\$9,745,066	\$16,235,810	\$10,915,680	\$16,032,055	\$0	<b>Cross Check</b>		<b>OK</b>	<b>\$189,616,862</b>	
SEGMENT LENGTH (LFT)		97,068	23,183	14,000	25,816	11,024	17,273	0				<b>35.68</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		231_1		231_2		231_3		231_4								
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$5,688,506	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$948,084	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$1,896,169	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$3,223,487	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$10,049,694	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$2,844,253	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$1,896,169	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$15,789,936.98		\$3,346,418.13		\$1,364,309.25		\$2,273,013.44		\$1,528,195.25		\$2,244,487.69		\$0.00		Cross Check		OK	\$26,546,361	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$128,575,201.15		\$27,249,404.81		\$11,109,375.34		\$18,508,823.70		\$12,443,875.58		\$18,276,542.60		\$0.00		Cross Check		OK	\$216,163,223	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$154,290,241.38		\$32,699,285.77		\$13,331,250.40		\$22,210,588.44		\$14,932,650.69		\$21,931,851.12		\$0.00		Cross Check		OK	\$259,395,868	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$8,392,595.65		\$7,447,363.54		\$5,027,785.87		\$4,542,605.63		\$7,152,067.82		\$6,704,114.74		#DIV/0!					\$7,271,082.49	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		231_1		231_2		231_3		231_4								
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$12,969,793	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$12,969,793	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$38,909,380	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$25,939,587	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$31,127,504	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$72,516,413.45		\$15,368,664.31		\$6,265,687.69		\$10,438,976.57		\$7,018,345.82		\$10,307,970.03		\$0.00		Cross Check		OK	\$121,916,058	
TOTAL OVERALL COST OF PROJECT		\$226,806,654.82		\$48,067,950.08		\$19,596,938.09		\$32,649,565.00		\$21,950,996.52		\$32,239,821.15		\$0.00		Cross Check		OK	\$381,311,926	
TOTAL OVERAL COST OF PROJECT PER MILE		\$12,337,115.60		\$10,947,624.40		\$7,390,845.22		\$6,677,630.28		\$10,513,539.70		\$9,855,048.67		#DIV/0!					\$10,688,491.26	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE P231Ew (Section 2 Western Bypass - Section 3 Western Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12	13	14	231_1	231_2	231_3	231_4					
1	COMMON EXCAVATION	1,155,115	202,573	560,103	269,456	265,954	565,803	348,668	3,367,670	CYS	\$7.00	\$23,573,693	13.8%
2	ROCK EXCAVATION	288,779	50,643	140,026	67,364	66,488	141,451	87,167	841,918	CYS	\$7.00	\$5,893,423	3.4%
3	BORROW	1,441,158	0	0	0	0	0	0	1,441,158	CYS	\$6.00	\$8,646,950	5.1%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,835,760	557,702	656,924	358,170	190,173	445,887	294,540	4,339,157	SYS	\$1.00	\$4,339,157	2.5%
5	SETTLEMENT PLATE	165	54	61	33	68	24	41	447	EA	\$1,100.00	\$491,911	0.3%
6	STAKE, LATERAL	165	54	61	33	68	24	41	447	EA	\$375.00	\$167,697	0.1%
7	STAKE, SETTLEMENT	165	54	61	33	68	24	41	447	EA	\$150.00	\$67,079	0.0%
8	SUBGRADE TREATMENT, TYPE IB	590,192	199,070	222,492	122,978	244,204	100,290	175,793	1,655,020	SYS	\$6.00	\$9,930,117	5.8%
9	QC/QA, SURFACE, 9.5mm	43,046	14,694	16,297	9,533	18,898	7,833	13,747	124,047	TON	\$80.00	\$9,923,760	5.8%
10	QC/QA, INTERMEDIATE, 19.0mm	136,014	46,483	51,512	30,051	59,614	24,703	43,394	391,771	TON	\$62.00	\$24,289,829	14.2%
11	QC/QA, BASE, 25.0mm	151,290	52,821	57,686	31,970	64,234	26,482	47,386	431,870	SYS	\$59.00	\$25,480,302	14.9%
12	JOINT ADHESIVE, SURFACE	470,962	151,913	175,548	59,700	117,788	51,511	91,707	1,119,129	LFT	\$0.50	\$559,565	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	645,516	216,059	243,804	74,680	149,888	57,931	110,967	1,498,845	LFT	\$0.50	\$749,423	0.4%
14	ASPHALT FOR TACK COAT	130	45	49	29	57	24	42	376	TON	\$1,000.00	\$375,900	0.2%
15	COMPACTED AGGREGATE, NO. 53	104,385	31,267	37,882	16,390	31,710	12,376	20,221	254,232	TON	\$22.00	\$5,593,100	3.3%
16	INLET, TYPE P	142	41	51	0	0	0	0	234	EA	\$3,000.00	\$702,590	0.4%
17	PIPE, TYPE 2, 15"	8,452	2,477	3,034	0	0	0	0	13,963	LFT	\$45.00	\$628,350	0.4%
18	END SECTION, 15"	142	41	51	0	0	0	0	234	EA	\$500.00	\$117,098	0.1%
19	REVTMENT RIPRAP	6,479	943	1,393	1,006	1,554	533	1,479	13,388	TON	\$30.00	\$401,636	0.2%
20	GEOTEXTILES FOR RIPRAP	8,557	1,327	1,889	1,268	1,959	693	1,842	17,535	SYS	\$4.00	\$70,139	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	33,809	9,908	12,136	0	0	0	0	55,853	CYS	\$30.00	\$1,675,597	1.0%
22	SEEDING, TYPE R	64,796	20,505	23,553	12,887	4,172	15,892	8,421	150,227	LBS	\$3.00	\$450,681	0.3%
23	MULCHING	632	200	230	126	41	155	82	1,466	TON	\$450.00	\$659,533	0.4%
24	FERTILIZER	126	40	46	25	8	31	16	293	TON	\$850.00	\$249,157	0.1%
25	UNDERDRAIN, 4"	307,908	94,322	112,312	33,440	68,112	24,038	41,256	681,388	LFT	\$3.00	\$2,044,164	1.2%
26	AGGREGATE FOR UNDERDRAIN	27,712	8,489	10,108	3,010	6,130	2,163	3,713	61,325	CYS	\$43.00	\$2,636,972	1.5%
27	GEOTEXTILES FOR UNDERDRAIN	142,322	43,598	51,913	15,457	31,483	11,111	19,069	314,953	SYS	\$1.50	\$472,429	0.3%
28	OUTLET PROTECTOR	770	236	281	84	170	60	103	1,703	EA	\$900.00	\$1,533,123	0.9%
29	PAVEMENT MARKINGS	398,622	141,124	152,256	113,360	226,410	82,056	144,955	1,258,782	LFT	\$1.00	\$1,258,782	0.7%
30	FENCE, RIGHT-OF-WAY	165,454	53,716	61,176	33,440	68,112	24,038	41,256	447,192	LFT	\$6.00	\$2,683,152	1.6%
31	CULVERT, CIRCULAR	4,365	770	400	1,115	1,865	910	1,480	10,905	LFT	\$200.00	\$2,181,000	1.3%
32	CULVERT, 4-SIDED BOX	4,280	580	1,180	335	650	0	620	7,645	LFT	\$750.00	\$5,733,750	3.3%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0	0	0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	11,383	0	2,089	0	0	0	1,462	14,934	SYS	\$1,850.00	\$27,627,838	16.1%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$80,450,898	\$14,450,185	\$23,378,199	\$9,745,066	\$16,235,810	\$10,915,680	\$16,032,055	<b>Cross Check OK</b>			<b>\$171,207,894</b>	
SEGMENT LENGTH (LFT)		71,227	20,303	25,568	14,000	25,816	11,024	17,273				<b>35.08</b>	MILES



LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		231_1		231_2		231_3		231_4						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$5,136,237	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$856,039	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$1,712,079	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$2,910,534	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$9,074,018	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$2,568,118	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$1,712,079	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$11,263,125.78		\$2,023,025.90		\$3,272,947.92		\$1,364,309.25		\$2,273,013.44		\$1,528,195.25		\$2,244,487.69		Cross Check		OK	\$23,969,105	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$91,714,024.20		\$16,473,210.88		\$26,651,147.31		\$11,109,375.34		\$18,508,823.70		\$12,443,875.58		\$18,276,542.60		Cross Check		OK	\$195,177,000	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$110,056,829.05		\$19,767,853.06		\$31,981,376.77		\$13,331,250.40		\$22,210,588.44		\$14,932,650.69		\$21,931,851.12		Cross Check		OK	\$234,212,400	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$8,158,423.88		\$5,140,829.64		\$6,604,414.48		\$5,027,785.87		\$4,542,605.63		\$7,152,067.82		\$6,704,114.74					\$6,676,933.17	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		231_1		231_2		231_3		231_4						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$11,710,620	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$11,710,620	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$35,131,860	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$23,421,240	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$28,105,488	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$51,726,709.65		\$9,290,890.94		\$15,031,247.08		\$6,265,687.69		\$10,438,976.57		\$7,018,345.82		\$10,307,970.03		Cross Check		OK	\$110,079,828	
TOTAL OVERALL COST OF PROJECT		\$161,783,538.70		\$29,058,743.99		\$47,012,623.85		\$19,596,938.09		\$32,649,565.00		\$21,950,996.52		\$32,239,821.15		Cross Check		OK	\$344,292,227	
TOTAL OVERAL COST OF PROJECT PER MILE		\$11,992,883.10		\$7,557,019.57		\$9,708,489.28		\$7,390,845.22		\$6,677,630.28		\$10,513,539.70		\$9,855,048.67					\$9,815,091.76	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE B2W (Section 2 Western Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12	16										
1	COMMON EXCAVATION	2,003,720	3,006,784						5,010,504	CYS	\$7.00	\$35,073,531	14.2%
2	ROCK EXCAVATION	500,930	751,696						1,252,626	CYS	\$7.00	\$8,768,383	3.6%
3	BORROW	1,361,977	137,811						1,499,789	CYS	\$6.00	\$8,998,732	3.7%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,835,760	2,780,917						4,616,676	SYS	\$1.00	\$4,616,676	1.9%
5	SETTLEMENT PLATE	164	250						414	EA	\$1,100.00	\$455,143	0.2%
6	STAKE, LATERAL	164	250						414	EA	\$375.00	\$155,162	0.1%
7	STAKE, SETTLEMENT	164	250						414	EA	\$150.00	\$62,065	0.0%
8	SUBGRADE TREATMENT, TYPE IB	759,425	1,135,405						1,894,830	SYS	\$6.00	\$11,368,981	4.6%
9	QC/QA, SURFACE, 9.5mm	56,682	84,703						141,385	TON	\$80.00	\$11,310,807	4.6%
10	QC/QA, INTERMEDIATE, 19.0mm	178,404	266,630						445,034	TON	\$62.00	\$27,592,123	11.2%
11	QC/QA, BASE, 25.0mm	183,885	275,452						459,337	SYS	\$59.00	\$27,100,899	11.0%
12	JOINT ADHESIVE, SURFACE	475,567	706,436						1,182,003	LFT	\$0.50	\$591,002	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	645,841	957,698						1,603,539	LFT	\$0.50	\$801,770	0.3%
14	ASPHALT FOR TACK COAT	172	257						428	TON	\$1,000.00	\$428,440	0.2%
15	COMPACTED AGGREGATE, NO. 53	140,985	210,191						351,176	TON	\$22.00	\$7,725,874	3.1%
16	INLET, TYPE P	142	211						353	EA	\$3,000.00	\$1,059,168	0.4%
17	PIPE, TYPE 2, 15"	11,871	17,550						29,421	LFT	\$45.00	\$1,323,960	0.5%
18	END SECTION, 15"	142	211						353	EA	\$500.00	\$176,528	0.1%
19	REVTMENT RIPRAP	6,479	8,907						15,387	TON	\$30.00	\$461,598	0.2%
20	GEOTEXTILES FOR RIPRAP	8,557	11,891						20,448	SYS	\$4.00	\$81,792	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	47,485	70,201						117,685	CYS	\$30.00	\$3,530,560	1.4%
22	SEEDING, TYPE R	58,767	88,109						146,876	LBS	\$3.00	\$440,628	0.2%
23	MULCHING	573	860						1,433	TON	\$450.00	\$644,821	0.3%
24	FERTILIZER	115	172						287	TON	\$850.00	\$243,599	0.1%
25	UNDERDRAIN, 4"	325,678	489,144						814,822	LFT	\$3.00	\$2,444,466	1.0%
26	AGGREGATE FOR UNDERDRAIN	29,311	44,023						73,334	CYS	\$43.00	\$3,153,361	1.3%
27	GEOTEXTILES FOR UNDERDRAIN	150,536	226,093						376,629	SYS	\$1.50	\$564,943	0.2%
28	OUTLET PROTECTOR	814	1,223						2,037	EA	\$900.00	\$1,833,350	0.7%
29	PAVEMENT MARKINGS	401,082	607,195						1,008,276	LFT	\$1.00	\$1,008,276	0.4%
30	FENCE, RIGHT-OF-WAY	164,024	249,742						413,766	LFT	\$6.00	\$2,482,596	1.0%
31	CULVERT, CIRCULAR	6,495	12,745						19,240	LFT	\$200.00	\$3,848,000	1.6%
32	CULVERT, 4-SIDED BOX	5,550	5,975						11,525	LFT	\$750.00	\$8,643,750	3.5%
33	CULVERT, 3-SIDED BOX	0	0						0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	15,631	21,883						37,514	SYS	\$1,850.00	\$69,401,640	28.2%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$104,819,966	\$141,572,656	\$0	\$0	\$0	\$0	\$0	Cross Check OK		\$246,392,621		
SEGMENT LENGTH (LFT)		71,227	105,301	0	0	0	0	0			33.43		MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		16																
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$7,391,779	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$1,231,963	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$2,463,926	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$4,188,675	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$13,058,809	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$3,695,889	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$2,463,926	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$14,674,795		\$19,820,172		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$34,494,967	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$119,494,761		\$161,392,828		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$280,887,588	
CONSTRUCTION CONTINGENCY		20%		20%		20%		20%		20%		20%		20%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$143,393,713		\$193,671,393		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$337,065,106	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$10,629,660		\$9,711,066		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$10,081,708	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		16																
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%							
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$16,853,255	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$16,853,255	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$50,559,766	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$33,706,511	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$40,447,813	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$67,395,045.09		\$91,025,554.71		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$158,420,600	
TOTAL OVERALL COST OF PROJECT		\$210,788,758.04		\$284,696,947.72		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$495,485,706	
TOTAL OVERAL COST OF PROJECT PER MILE		\$15,625,600.44		\$14,275,266.94		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$14,820,110.84	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE C2E (Section 2 Eastern Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	2	3	15								
1	COMMON EXCAVATION	5,960,947	1,819,022	473,258	4,333,938				12,587,165	CYS	\$7.00	\$88,110,156	25.7%
2	ROCK EXCAVATION	1,490,237	454,756	118,315	1,083,484				3,146,791	CYS	\$7.00	\$22,027,539	6.4%
3	BORROW	241,410	0	243,619	0				485,029	CYS	\$6.00	\$2,910,174	0.8%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	3,359,113	767,094	342,457	2,378,486				6,847,150	SYS	\$1.00	\$6,847,150	2.0%
5	SETTLEMENT PLATE	234	55	19	197				505	EA	\$1,100.00	\$555,353	0.2%
6	STAKE, LATERAL	234	55	19	197				505	EA	\$375.00	\$189,325	0.1%
7	STAKE, SETTLEMENT	234	55	19	197				505	EA	\$150.00	\$75,730	0.0%
8	SUBGRADE TREATMENT, TYPE IB	1,091,582	262,348	76,007	896,186				2,326,123	SYS	\$6.00	\$13,956,736	4.1%
9	QC/QA, SURFACE, 9.5mm	81,497	19,433	5,655	67,187				173,772	TON	\$80.00	\$13,901,768	4.1%
10	QC/QA, INTERMEDIATE, 19.0mm	256,623	61,167	17,798	211,491				547,079	TON	\$62.00	\$33,918,905	9.9%
11	QC/QA, BASE, 25.0mm	266,928	63,076	18,306	218,472				566,782	SYS	\$59.00	\$33,440,140	9.8%
12	JOINT ADHESIVE, SURFACE	678,537	161,578	46,200	565,358				1,451,673	LFT	\$0.50	\$725,837	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	929,513	216,504	60,910	775,274				1,982,201	LFT	\$0.50	\$991,101	0.3%
14	ASPHALT FOR TACK COAT	247	59	17	204				527	TON	\$1,000.00	\$526,582	0.2%
15	COMPACTED AGGREGATE, NO. 53	197,217	49,009	14,579	164,576				425,382	TON	\$22.00	\$9,358,409	2.7%
16	INLET, TYPE P	194	46	15	171				427	EA	\$3,000.00	\$1,279,824	0.4%
17	PIPE, TYPE 2, 15"	18,766	4,327	1,667	14,569				39,330	LFT	\$45.00	\$1,769,840	0.5%
18	END SECTION, 15"	194	46	15	171				427	EA	\$500.00	\$213,304	0.1%
19	REVTMENT RIPRAP	7,300	2,020	251	5,781				15,353	TON	\$30.00	\$460,578	0.1%
20	GEOTEXTILES FOR RIPRAP	9,764	2,647	378	7,812				20,600	SYS	\$4.00	\$82,401	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	75,066	17,310	6,669	58,275				157,319	CYS	\$30.00	\$4,719,572	1.4%
22	SEEDING, TYPE R	119,417	27,007	12,451	72,730				231,604	LBS	\$3.00	\$694,811	0.2%
23	MULCHING	1,165	263	121	710				2,260	TON	\$450.00	\$1,016,797	0.3%
24	FERTILIZER	233	53	24	142				452	TON	\$850.00	\$384,123	0.1%
25	UNDERDRAIN, 4"	466,850	120,572	33,560	368,092				989,074	LFT	\$3.00	\$2,967,222	0.9%
26	AGGREGATE FOR UNDERDRAIN	42,017	10,851	3,020	33,128				89,017	CYS	\$43.00	\$3,827,716	1.1%
27	GEOTEXTILES FOR UNDERDRAIN	215,788	55,731	15,512	170,140				457,172	SYS	\$1.50	\$685,758	0.2%
28	OUTLET PROTECTOR	1,167	301	84	920				2,473	EA	\$900.00	\$2,225,417	0.6%
29	PAVEMENT MARKINGS	633,380	139,764	41,378	474,761				1,289,282	LFT	\$1.00	\$1,289,282	0.4%
30	FENCE, RIGHT-OF-WAY	234,314	55,006	18,850	196,696				504,866	LFT	\$6.00	\$3,029,196	0.9%
31	CULVERT, CIRCULAR	9,622	1,685	915	6,740				18,962	LFT	\$200.00	\$3,792,400	1.1%
32	CULVERT, 4-SIDED BOX	6,825	2,085	0	4,290				13,200	LFT	\$750.00	\$9,900,000	2.9%
33	CULVERT, 3-SIDED BOX	0	0	0	0				0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	24,613	4,367	4,168	8,436				41,583	SYS	\$1,850.00	\$76,929,331	22.4%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$171,776,664	\$41,565,792	\$18,285,623	\$111,174,396	\$0	\$0	\$0	Cross Check OK			\$342,802,475	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	85,698	0	0	0				40.40	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		15												
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$10,284,074	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$1,714,012	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$3,428,025	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$5,827,642	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$18,168,531	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$5,142,037	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$3,428,025	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$24,048,733		\$5,819,211		\$2,559,987		\$15,564,415		\$0		\$0		\$0		Cross Check		OK	\$47,992,347	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$195,825,397		\$47,385,003		\$20,845,611		\$126,738,811		\$0		\$0		\$0		Cross Check		OK	\$390,794,822	
CONSTRUCTION CONTINGENCY		20%		20%		20%		20%		20%		20%		20%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$234,990,476		\$56,862,004		\$25,014,733		\$152,086,573		\$0		\$0		\$0		Cross Check		OK	\$468,953,786	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$12,782,273		\$12,950,497		\$17,957,551		\$9,370,313		#DIV/0!		#DIV/0!		#DIV/0!					\$11,608,202	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		15												
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$23,447,689	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$23,447,689	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$70,343,068	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$46,895,379	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$56,274,454	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$110,445,523.86		\$26,725,141.69		\$11,756,924.45		\$71,480,689.50		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$220,408,279	
TOTAL OVERALL COST OF PROJECT		\$345,436,000.14		\$83,587,145.28		\$36,771,657.32		\$223,567,262.91		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$689,362,066	
TOTAL OVERAL COST OF PROJECT PER MILE		\$18,789,941.90		\$19,037,231.03		\$26,397,600.36		\$13,774,360.52		#DIV/0!		#DIV/0!		#DIV/0!					\$17,064,057.43	



**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE C2W (Section 2 Western Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12	13	14	3	15							
1	COMMON EXCAVATION	2,003,720	299,230	791,842	473,258	4,333,938			7,901,988	CYS	\$7.00	\$55,313,916	19.1%
2	ROCK EXCAVATION	500,930	74,807	197,961	118,315	1,083,484			1,975,497	CYS	\$7.00	\$13,828,479	4.8%
3	BORROW	1,361,977	0	0	243,619	0			1,605,596	CYS	\$6.00	\$9,633,578	3.3%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,835,760	557,702	656,924	342,457	2,378,486			5,771,329	SYS	\$1.00	\$5,771,329	2.0%
5	SETTLEMENT PLATE	164	53	61	19	197			494	EA	\$1,100.00	\$543,017	0.2%
6	STAKE, LATERAL	164	53	61	19	197			494	EA	\$375.00	\$185,120	0.1%
7	STAKE, SETTLEMENT	164	53	61	19	197			494	EA	\$150.00	\$74,048	0.0%
8	SUBGRADE TREATMENT, TYPE IB	759,425	256,241	279,310	76,007	896,186			2,267,169	SYS	\$6.00	\$13,603,016	4.7%
9	QC/QA, SURFACE, 9.5mm	56,682	19,074	20,984	5,655	67,187			169,582	TON	\$80.00	\$13,566,532	4.7%
10	QC/QA, INTERMEDIATE, 19.0mm	178,404	60,099	66,086	17,798	211,491			533,878	TON	\$62.00	\$33,100,432	11.5%
11	QC/QA, BASE, 25.0mm	183,885	63,327	68,936	18,306	218,472			552,926	SYS	\$59.00	\$32,622,634	11.3%
12	JOINT ADHESIVE, SURFACE	475,567	156,828	175,548	46,200	565,358			1,419,501	LFT	\$0.50	\$709,751	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	645,841	216,694	243,804	60,910	775,274			1,942,523	LFT	\$0.50	\$971,262	0.3%
14	ASPHALT FOR TACK COAT	172	58	64	17	204			514	TON	\$1,000.00	\$513,884	0.2%
15	COMPACTED AGGREGATE, NO. 53	140,985	44,519	49,676	14,579	164,576			414,336	TON	\$22.00	\$9,115,385	3.2%
16	INLET, TYPE P	142	41	51	15	171			420	EA	\$3,000.00	\$1,260,906	0.4%
17	PIPE, TYPE 2, 15"	11,871	3,452	4,261	1,667	14,569			35,820	LFT	\$45.00	\$1,611,891	0.6%
18	END SECTION, 15"	142	41	51	15	171			420	EA	\$500.00	\$210,151	0.1%
19	REVTMENT RIPRAP	6,479	943	1,393	251	5,781			14,848	TON	\$30.00	\$445,445	0.2%
20	GEOTEXTILES FOR RIPRAP	8,557	1,327	1,889	378	7,812			19,963	SYS	\$4.00	\$79,852	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	47,485	13,806	17,045	6,669	58,275			143,279	CYS	\$30.00	\$4,298,376	1.5%
22	SEEDING, TYPE R	58,767	19,851	20,906	12,451	72,730			184,704	LBS	\$3.00	\$554,112	0.2%
23	MULCHING	573	194	204	121	710			1,802	TON	\$450.00	\$810,895	0.3%
24	FERTILIZER	115	39	41	24	142			360	TON	\$850.00	\$306,338	0.1%
25	UNDERDRAIN, 4"	325,678	112,712	112,312	33,560	368,092			952,354	LFT	\$3.00	\$2,857,062	1.0%
26	AGGREGATE FOR UNDERDRAIN	29,311	10,144	10,108	3,020	33,128			85,712	CYS	\$43.00	\$3,685,610	1.3%
27	GEOTEXTILES FOR UNDERDRAIN	150,536	52,098	51,913	15,512	170,140			440,199	SYS	\$1.50	\$660,299	0.2%
28	OUTLET PROTECTOR	814	282	281	84	920			2,381	EA	\$900.00	\$2,142,797	0.7%
29	PAVEMENT MARKINGS	401,082	144,824	152,256	41,378	474,761			1,214,300	LFT	\$1.00	\$1,214,300	0.4%
30	FENCE, RIGHT-OF-WAY	164,024	52,906	61,176	18,850	196,696			493,652	LFT	\$6.00	\$2,961,912	1.0%
31	CULVERT, CIRCULAR	6,495	1,200	575	915	6,740			15,925	LFT	\$200.00	\$3,185,000	1.1%
32	CULVERT, 4-SIDED BOX	5,550	595	1,570	0	4,290			12,005	LFT	\$750.00	\$9,003,750	3.1%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0			0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	15,631	4,019	2,382	4,168	8,436			34,636	SYS	\$1,850.00	\$64,077,176	22.2%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$104,819,966	\$25,626,988	\$29,011,280	\$18,285,623	\$111,174,396	\$0	\$0	<b>Cross Check OK</b>			<b>\$288,918,253</b>	
SEGMENT LENGTH (LFT)		71,227	20,303	25,568	7,355	85,698	0	0				<b>39.80</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		15										
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$8,667,548	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$1,444,591	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$2,889,183	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$4,911,610	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$15,312,667	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$4,333,774	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$2,889,183	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$14,674,795		\$3,587,778		\$4,061,579		\$2,559,987		\$15,564,415		\$0		\$0		Cross Check		OK	\$40,448,555	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$119,494,761		\$29,214,766		\$33,072,859		\$20,845,611		\$126,738,811		\$0		\$0		Cross Check		OK	\$329,366,808	
CONSTRUCTION CONTINGENCY		20%		20%		20%		20%		20%		20%		20%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$143,393,713		\$35,057,719		\$39,687,431		\$25,014,733		\$152,086,573		\$0		\$0		Cross Check		OK	\$395,240,169	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$10,629,660		\$9,117,114		\$8,195,777		\$17,957,551		\$9,370,313		#DIV/0!		#DIV/0!					\$9,930,327	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		15										
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$19,762,008	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$19,762,008	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$59,286,025	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$39,524,017	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$47,428,820	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$67,395,045.09		\$16,477,127.92		\$18,653,092.69		\$11,756,924.45		\$71,480,689.50		\$0.00		\$0.00		Cross Check		OK	\$185,762,880	
TOTAL OVERALL COST OF PROJECT		\$210,788,758.04		\$51,534,846.90		\$58,340,523.93		\$36,771,657.32		\$223,567,262.91		\$0.00		\$0.00		Cross Check		OK	\$581,003,049	
TOTAL OVERAL COST OF PROJECT PER MILE		\$15,625,600.44		\$13,402,156.90		\$12,047,792.80		\$26,397,600.36		\$13,774,360.52		#DIV/0!		#DIV/0!					\$14,597,580.31	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE M2E (Section 2 Eastern Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	2	3	4	7	11						
1	COMMON EXCAVATION	5,960,947	1819022	473258	896054	1,990,687	20,038,320		31,178,289	CYS	\$7.00	\$218,248,024	34.2%
2	ROCK EXCAVATION	1,490,237	454756	118315	224014	497,672	5,009,580		7,794,572	CYS	\$7.00	\$54,562,006	8.5%
3	BORROW	241,410	0	243619	366413	1,273,910	0		2,125,351	CYS	\$6.00	\$12,752,109	2.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	3,359,113	767094	342457	544816	1,209,219	9,053,657		15,276,355	SYS	\$1.00	\$15,276,355	2.4%
5	SETTLEMENT PLATE	234	55	19	43	84	350		785	EA	\$1,100.00	\$864,035	0.1%
6	STAKE, LATERAL	234	55	19	43	84	350		785	EA	\$375.00	\$294,557	0.0%
7	STAKE, SETTLEMENT	234	55	19	43	84	350		785	EA	\$150.00	\$117,823	0.0%
8	SUBGRADE TREATMENT, TYPE IB	1,091,582	262348	76007	171270	386,721	1,581,721		3,569,649	SYS	\$6.00	\$21,417,896	3.4%
9	QC/QA, SURFACE, 9.5mm	81,497	19433	5655	12795	28,966	118,261		266,607	TON	\$80.00	\$21,328,528	3.3%
10	QC/QA, INTERMEDIATE, 19.0mm	256,623	61167	17798	40311	91,149	372,268		839,316	TON	\$62.00	\$52,037,568	8.2%
11	QC/QA, BASE, 25.0mm	266,928	63076	18306	42404	93,511	384,683		868,908	SYS	\$59.00	\$51,265,574	8.0%
12	JOINT ADHESIVE, SURFACE	678,537	161578	46200	102662	245,388	988,753		2,223,118	LFT	\$0.50	\$1,111,559	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	929,513	216504	60910	138996	334,434	1,346,299		3,026,656	LFT	\$0.50	\$1,513,328	0.2%
14	ASPHALT FOR TACK COAT	247	59	17	39	88	358		808	TON	\$1,000.00	\$807,899	0.1%
15	COMPACTED AGGREGATE, NO. 53	197,217	49009	14579	30704	72,392	291,883		655,785	TON	\$22.00	\$14,427,269	2.3%
16	INLET, TYPE P	194	46	15	30	76	298		659	EA	\$3,000.00	\$1,976,874	0.3%
17	PIPE, TYPE 2, 15"	18,766	4327	1667	2942	6,986	40,180		74,868	LFT	\$45.00	\$3,369,047	0.5%
18	END SECTION, 15"	194	46	15	30	76	298		659	EA	\$500.00	\$329,479	0.1%
19	REVTMENT RIPRAP	7,300	2020	251	1273	3,446	8,201		22,491	TON	\$30.00	\$674,737	0.1%
20	GEOTEXTILES FOR RIPRAP	9,764	2647	378	1679	4,686	11,257		30,410	SYS	\$4.00	\$121,640	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	75,066	17310	6669	11766	27,942	160,718		299,471	CYS	\$30.00	\$8,984,125	1.4%
22	SEEDING, TYPE R	119,417	27007	12451	19739	38,952	339,422		556,986	LBS	\$3.00	\$1,670,958	0.3%
23	MULCHING	1,165	263	121	193	380	3,311		5,434	TON	\$450.00	\$2,445,305	0.4%
24	FERTILIZER	233	53	24	39	76	662		1,087	TON	\$850.00	\$923,782	0.1%
25	UNDERDRAIN, 4"	466,850	120572	33560	72828	160,272	667,162		1,521,244	LFT	\$3.00	\$4,563,732	0.7%
26	AGGREGATE FOR UNDERDRAIN	42,017	10851	3020	6555	14,424	60,045		136,912	CYS	\$43.00	\$5,887,214	0.9%
27	GEOTEXTILES FOR UNDERDRAIN	215,788	55731	15512	33663	74,081	308,377		703,153	SYS	\$1.50	\$1,054,729	0.2%
28	OUTLET PROTECTOR	1,167	301	84	182	401	1,668		3,803	EA	\$900.00	\$3,422,799	0.5%
29	PAVEMENT MARKINGS	633,380	139764	41378	99727	200,024	844,599		1,958,870	LFT	\$1.00	\$1,958,870	0.3%
30	FENCE, RIGHT-OF-WAY	234,314	55006	18850	42914	84,066	350,336		785,486	LFT	\$6.00	\$4,712,916	0.7%
31	CULVERT, CIRCULAR	9,622	1685	915	1986	8,752	11,212		34,172	LFT	\$200.00	\$6,834,400	1.1%
32	CULVERT, 4-SIDED BOX	6,825	2085	0	0	1,265	11,029		21,204	LFT	\$750.00	\$15,903,000	2.5%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0		0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	24,613	4367	4168	992	1,489	22,429		58,058	SYS	\$1,850.00	\$107,407,300	16.8%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$171,776,664	\$41,565,792	\$18,285,623	\$22,659,576	\$53,808,449	\$330,169,331	\$0	<b>Cross Check</b>		<b>OK</b>	<b>\$638,265,436</b>	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	38,103	148,813	0				<b>62.40</b>	MILES



LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		7		11								
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$19,147,963	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$3,191,327	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	1	5.0%	0	0.0%	N/A	LS	N/A	\$16,508,467	2.6%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$6,382,654	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$10,850,512	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$33,828,068	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$9,573,982	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$6,382,654	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$24,048,733		\$5,819,211		\$2,559,987		\$3,172,341		\$7,533,183		\$62,732,173		\$0		Cross Check		OK	\$105,865,628	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$195,825,397		\$47,385,003		\$20,845,611		\$25,831,917		\$61,341,632		\$392,901,504		\$0		Cross Check		OK	\$744,131,064	
CONSTRUCTION CONTINGENCY		20%		20%		20%		20%		20%		20%		20%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$234,990,476		\$56,862,004		\$25,014,733		\$30,998,300		\$73,609,958		\$471,481,805		\$0		Cross Check		OK	\$892,957,277	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$12,782,273		\$12,950,497		\$17,957,551		\$10,942,771		\$10,200,262		\$16,728,538		#DIV/0!					\$14,309,909	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		7		11								
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$44,647,864	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$44,647,864	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$133,943,592	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$89,295,728	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$107,154,873	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$110,445,524		\$26,725,142		\$11,756,924		\$14,569,201		\$34,596,680		\$221,596,448		\$0		Cross Check		OK	\$419,689,920	
TOTAL OVERALL COST OF PROJECT		\$345,436,000		\$83,587,145		\$36,771,657		\$45,567,501		\$108,206,639		\$693,078,254		\$0		Cross Check		OK	\$1,312,647,197	
TOTAL OVERAL COST OF PROJECT PER MILE		\$18,789,942		\$19,037,231		\$26,397,600		\$16,085,873		\$14,994,385		\$24,590,951		#DIV/0!					\$21,035,566	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE M2W (Section 2 Western Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12	13	14	3	4	7	11					
1	COMMON EXCAVATION	2,003,720	299,230	791,842	473,258	896,054	1,990,687	20,038,320	26,493,112	CYS	\$7.00	\$185,451,784	31.7%
2	ROCK EXCAVATION	500,930	74,807	197,961	118,315	224,014	497,672	5,009,580	6,623,278	CYS	\$7.00	\$46,362,946	7.9%
3	BORROW	1,361,977	0	0	243,619	366,413	1,273,910	0	3,245,919	CYS	\$6.00	\$19,475,513	3.3%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,835,760	557,702	656,924	342,457	544,816	1,209,219	9,053,657	14,200,534	SYS	\$1.00	\$14,200,534	2.4%
5	SETTLEMENT PLATE	164	53	61	19	43	84	350	774	EA	\$1,100.00	\$851,699	0.1%
6	STAKE, LATERAL	164	53	61	19	43	84	350	774	EA	\$375.00	\$290,352	0.0%
7	STAKE, SETTLEMENT	164	53	61	19	43	84	350	774	EA	\$150.00	\$116,141	0.0%
8	SUBGRADE TREATMENT, TYPE IB	759,425	256,241	279,310	76,007	171,270	386,721	1,581,721	3,510,696	SYS	\$6.00	\$21,064,176	3.6%
9	QC/QA, SURFACE, 9.5mm	56,682	19,074	20,984	5,655	12,795	28,966	118,261	262,416	TON	\$80.00	\$20,993,292	3.6%
10	QC/QA, INTERMEDIATE, 19.0mm	178,404	60,099	66,086	17,798	40,311	91,149	372,268	826,114	TON	\$62.00	\$51,219,095	8.8%
11	QC/QA, BASE, 25.0mm	183,885	63,327	68,936	18,306	42,404	93,511	384,683	855,052	SYS	\$59.00	\$50,448,068	8.6%
12	JOINT ADHESIVE, SURFACE	475,567	156,828	175,548	46,200	102,662	245,388	988,753	2,190,946	LFT	\$0.50	\$1,095,473	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	645,841	216,694	243,804	60,910	138,996	334,434	1,346,299	2,986,978	LFT	\$0.50	\$1,493,489	0.3%
14	ASPHALT FOR TACK COAT	172	58	64	17	39	88	358	795	TON	\$1,000.00	\$795,200	0.1%
15	COMPACTED AGGREGATE, NO. 53	140,985	44,519	49,676	14,579	30,704	72,392	291,883	644,738	TON	\$22.00	\$14,184,246	2.4%
16	INLET, TYPE P	142	41	51	15	30	76	298	653	EA	\$3,000.00	\$1,957,956	0.3%
17	PIPE, TYPE 2, 15"	11,871	3,452	4,261	1,667	2,942	6,986	40,180	71,358	LFT	\$45.00	\$3,211,099	0.5%
18	END SECTION, 15"	142	41	51	15	30	76	298	653	EA	\$500.00	\$326,326	0.1%
19	REVTMENT RIPRAP	6,479	943	1,393	251	1,273	3,446	8,201	21,987	TON	\$30.00	\$659,604	0.1%
20	GEOTEXTILES FOR RIPRAP	8,557	1,327	1,889	378	1,679	4,686	11,257	29,773	SYS	\$4.00	\$119,091	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	47,485	13,806	17,045	6,669	11,766	27,942	160,718	285,431	CYS	\$30.00	\$8,562,930	1.5%
22	SEEDING, TYPE R	58,767	19,851	20,906	12,451	19,739	38,952	339,422	510,086	LBS	\$3.00	\$1,530,259	0.3%
23	MULCHING	573	194	204	121	193	380	3,311	4,976	TON	\$450.00	\$2,239,403	0.4%
24	FERTILIZER	115	39	41	24	39	76	662	995	TON	\$850.00	\$845,997	0.1%
25	UNDERDRAIN, 4"	325,678	112,712	112,312	33,560	72,828	160,272	667,162	1,484,524	LFT	\$3.00	\$4,453,572	0.8%
26	AGGREGATE FOR UNDERDRAIN	29,311	10,144	10,108	3,020	6,555	14,424	60,045	133,607	CYS	\$43.00	\$5,745,108	1.0%
27	GEOTEXTILES FOR UNDERDRAIN	150,536	52,098	51,913	15,512	33,663	74,081	308,377	686,180	SYS	\$1.50	\$1,029,270	0.2%
28	OUTLET PROTECTOR	814	282	281	84	182	401	1,668	3,711	EA	\$900.00	\$3,340,179	0.6%
29	PAVEMENT MARKINGS	401,082	144,824	152,256	41,378	99,727	200,024	844,599	1,883,887	LFT	\$1.00	\$1,883,887	0.3%
30	FENCE, RIGHT-OF-WAY	164,024	52,906	61,176	18,850	42,914	84,066	350,336	774,272	LFT	\$6.00	\$4,645,632	0.8%
31	CULVERT, CIRCULAR	6,495	1,200	575	915	1,986	8,752	11,212	31,135	LFT	\$200.00	\$6,227,000	1.1%
32	CULVERT, 4-SIDED BOX	5,550	595	1,570	0	0	1,265	11,029	20,009	LFT	\$750.00	\$15,006,750	2.6%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0	0	0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	15,631	4,019	2,382	4,168	992	1,489	22,429	51,111	SYS	\$1,850.00	\$94,555,144	16.2%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$104,819,966	\$25,626,988	\$29,011,280	\$18,285,623	\$22,659,576	\$53,808,449	\$330,169,331	Cross Check OK			\$584,381,214	
SEGMENT LENGTH (LFT)		71,227	20,303	25,568	7,355	14,957	38,103	148,813				61.80	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		4		7		11						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$17,531,436	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$2,921,906	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	1	5.0%	N/A	LS	N/A	\$16,508,467	2.8%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$5,843,812	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$9,934,481	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$30,972,204	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$8,765,718	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$5,843,812	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$14,674,795		\$3,587,778		\$4,061,579		\$2,559,987		\$3,172,341		\$7,533,183		\$62,732,173		Cross Check		OK	\$98,321,836	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$119,494,761		\$29,214,766		\$33,072,859		\$20,845,611		\$25,831,917		\$61,341,632		\$392,901,504		Cross Check		OK	\$682,703,050	
CONSTRUCTION CONTINGENCY		20%		20%		20%		20%		20%		20%		20%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$143,393,713		\$35,057,719		\$39,687,431		\$25,014,733		\$30,998,300		\$73,609,958		\$471,481,805		Cross Check		OK	\$819,243,660	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$10,629,660		\$9,117,114		\$8,195,777		\$17,957,551		\$10,942,771		\$10,200,262		\$16,728,538					\$13,255,476	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		4		7		11						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$40,962,183	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$40,962,183	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$122,886,549	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$81,924,366	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$98,309,239	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$67,395,045		\$16,477,128		\$18,653,093		\$11,756,924		\$14,569,201		\$34,596,680		\$221,596,448		Cross Check		OK	\$385,044,520	
TOTAL OVERALL COST OF PROJECT		\$210,788,758		\$51,534,847		\$58,340,524		\$36,771,657		\$45,567,501		\$108,206,639		\$693,078,254		Cross Check		OK	\$1,204,288,180	
TOTAL OVERAL COST OF PROJECT PER MILE		\$15,625,600		\$13,402,157		\$12,047,793		\$26,397,600		\$16,085,873		\$14,994,385		\$24,590,951					\$19,485,550	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE O2E (Section 2 Eastern Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	9	10									
1	COMMON EXCAVATION	5,960,947	625,096	23,645,468					30,231,511	CYS	\$7.00	\$211,620,576	36.3%
2	ROCK EXCAVATION	1,490,237	156,274	5,911,367					7,557,878	CYS	\$7.00	\$52,905,144	9.1%
3	BORROW	241,410	0	359,541					600,951	CYS	\$6.00	\$3,605,709	0.6%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	3,359,113	275,457	8,514,851					12,149,422	SYS	\$1.00	\$12,149,422	2.1%
5	SETTLEMENT PLATE	234	25	433					692	EA	\$1,100.00	\$760,778	0.1%
6	STAKE, LATERAL	234	25	433					692	EA	\$375.00	\$259,356	0.0%
7	STAKE, SETTLEMENT	234	25	433					692	EA	\$150.00	\$103,742	0.0%
8	SUBGRADE TREATMENT, TYPE IB	1,091,582	99,534	1,956,713					3,147,829	SYS	\$6.00	\$18,886,976	3.2%
9	QC/QA, SURFACE, 9.5mm	81,497	7,478	145,977					234,951	TON	\$80.00	\$18,796,108	3.2%
10	QC/QA, INTERMEDIATE, 19.0mm	256,623	23,590	459,625					739,838	TON	\$62.00	\$45,869,954	7.9%
11	QC/QA, BASE, 25.0mm	266,928	25,424	477,294					769,646	SYS	\$59.00	\$45,409,128	7.8%
12	JOINT ADHESIVE, SURFACE	678,537	59,166	1,210,185					1,947,888	LFT	\$0.50	\$973,944	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	929,513	83,028	1,646,295					2,658,836	LFT	\$0.50	\$1,329,418	0.2%
14	ASPHALT FOR TACK COAT	247	23	442					712	TON	\$1,000.00	\$711,974	0.1%
15	COMPACTED AGGREGATE, NO. 53	197,217	16,341	357,276					570,834	TON	\$22.00	\$12,558,354	2.2%
16	INLET, TYPE P	194	15	353					562	EA	\$3,000.00	\$1,686,264	0.3%
17	PIPE, TYPE 2, 15"	18,766	1,505	41,143					61,414	LFT	\$45.00	\$2,763,615	0.5%
18	END SECTION, 15"	194	15	353					562	EA	\$500.00	\$281,044	0.0%
19	REVTMENT RIPRAP	7,300	1,097	10,887					19,283	TON	\$30.00	\$578,500	0.1%
20	GEOTEXTILES FOR RIPRAP	9,764	1,419	14,799					25,982	SYS	\$4.00	\$103,927	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	75,066	6,019	164,570					245,655	CYS	\$30.00	\$7,369,641	1.3%
22	SEEDING, TYPE R	119,417	10,550	316,645					446,612	LBS	\$3.00	\$1,339,835	0.2%
23	MULCHING	1,165	103	3,089					4,357	TON	\$450.00	\$1,960,735	0.3%
24	FERTILIZER	233	21	618					871	TON	\$850.00	\$740,722	0.1%
25	UNDERDRAIN, 4"	466,850	40,004	842,850					1,349,704	LFT	\$3.00	\$4,049,112	0.7%
26	AGGREGATE FOR UNDERDRAIN	42,017	3,600	75,857					121,473	CYS	\$43.00	\$5,223,354	0.9%
27	GEOTEXTILES FOR UNDERDRAIN	215,788	18,491	389,584					623,863	SYS	\$1.50	\$935,795	0.2%
28	OUTLET PROTECTOR	1,167	100	2,107					3,374	EA	\$900.00	\$3,036,834	0.5%
29	PAVEMENT MARKINGS	633,380	61,790	1,065,623					1,760,792	LFT	\$1.00	\$1,760,792	0.3%
30	FENCE, RIGHT-OF-WAY	234,314	24,702	432,600					691,616	LFT	\$6.00	\$4,149,696	0.7%
31	CULVERT, CIRCULAR	9,622	1,415	15,894					26,931	LFT	\$200.00	\$5,386,200	0.9%
32	CULVERT, 4-SIDED BOX	6,825	935	13,522					21,282	LFT	\$750.00	\$15,961,500	2.7%
33	CULVERT, 3-SIDED BOX	0	0	0					0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	24,613	0	29,327					53,939	SYS	\$1,850.00	\$99,787,808	17.1%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$171,776,664	\$12,419,191	\$398,860,101	\$0	\$0	\$0	\$0	<b>Cross Check OK</b>			<b>\$583,055,956</b>	
SEGMENT LENGTH (LFT)		97,068	7,651	176,325	0	0	0	0				<b>53.23</b>	MILES



LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		9		10														
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$17,491,679	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$2,915,280	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$20,563,965	3.5%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$5,830,560	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$9,911,951	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$30,901,966	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$8,745,839	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$5,830,560	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$24,048,733		\$2,359,646		\$75,783,419		\$0		\$0		\$0		\$0		Cross Check		OK	\$102,191,798	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$195,825,397		\$14,778,837		\$474,643,521		\$0		\$0		\$0		\$0		Cross Check		OK	\$685,247,754	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$234,990,476		\$17,734,604		\$569,572,225		\$0		\$0		\$0		\$0		Cross Check		OK	\$822,297,305	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$12,782,273		\$12,238,755		\$17,055,672		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$15,448,577	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		9		10														
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$41,114,865	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$41,114,865	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$123,344,596	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$82,229,731	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$98,675,677	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$110,445,524		\$8,335,264		\$267,698,946		\$0		\$0		\$0		\$0		Cross Check		OK	\$386,479,734	
TOTAL OVERALL COST OF PROJECT		\$345,436,000		\$26,069,869		\$837,271,170		\$0		\$0		\$0		\$0		Cross Check		OK	\$1,208,777,039	
TOTAL OVERAL COST OF PROJECT PER MILE		\$18,789,942		\$17,990,969		\$25,071,838		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$22,709,408	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE O2W (Section 2 Western Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12	13	17	10								
1	COMMON EXCAVATION	2,003,720	299,230	1,870,921	23,645,468				27,819,338	CYS	\$7.00	\$194,735,369	34.3%
2	ROCK EXCAVATION	500,930	74,807	467,730	5,911,367				6,954,835	CYS	\$7.00	\$48,683,842	8.6%
3	BORROW	1,361,977	0	0	359,541				1,721,519	CYS	\$6.00	\$10,329,113	1.8%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,835,760	557,702	797,390	8,514,851				11,705,703	SYS	\$1.00	\$11,705,703	2.1%
5	SETTLEMENT PLATE	164	53	57	433				706	EA	\$1,100.00	\$776,791	0.1%
6	STAKE, LATERAL	164	53	57	433				706	EA	\$375.00	\$264,815	0.0%
7	STAKE, SETTLEMENT	164	53	57	433				706	EA	\$150.00	\$105,926	0.0%
8	SUBGRADE TREATMENT, TYPE IB	759,425	256,241	272,249	1,956,713				3,244,629	SYS	\$6.00	\$19,467,776	3.4%
9	QC/QA, SURFACE, 9.5mm	56,682	19,074	20,212	145,977				241,944	TON	\$80.00	\$19,355,509	3.4%
10	QC/QA, INTERMEDIATE, 19.0mm	178,404	60,099	63,639	459,625				761,766	TON	\$62.00	\$47,229,520	8.3%
11	QC/QA, BASE, 25.0mm	183,885	63,327	66,061	477,294				790,567	SYS	\$59.00	\$46,643,448	8.2%
12	JOINT ADHESIVE, SURFACE	475,567	156,828	167,787	1,210,185				2,010,367	LFT	\$0.50	\$1,005,184	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	645,841	216,694	227,437	1,646,295				2,736,267	LFT	\$0.50	\$1,368,134	0.2%
14	ASPHALT FOR TACK COAT	172	58	61	442				733	TON	\$1,000.00	\$733,163	0.1%
15	COMPACTED AGGREGATE, NO. 53	140,985	44,519	49,696	357,276				592,476	TON	\$22.00	\$13,034,473	2.3%
16	INLET, TYPE P	142	41	47	353				583	EA	\$3,000.00	\$1,747,560	0.3%
17	PIPE, TYPE 2, 15"	11,871	3,452	4,447	41,143				60,912	LFT	\$45.00	\$2,741,046	0.5%
18	END SECTION, 15"	142	41	47	353				583	EA	\$500.00	\$291,260	0.1%
19	REVTMENT RIPRAP	6,479	943	2,940	10,887				21,249	TON	\$30.00	\$637,458	0.1%
20	GEOTEXTILES FOR RIPRAP	8,557	1,327	3,803	14,799				28,487	SYS	\$4.00	\$113,946	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	47,485	13,806	17,788	164,570				243,649	CYS	\$30.00	\$7,309,455	1.3%
22	SEEDING, TYPE R	58,767	19,851	28,535	316,645				423,798	LBS	\$3.00	\$1,271,393	0.2%
23	MULCHING	573	194	278	3,089				4,135	TON	\$450.00	\$1,860,576	0.3%
24	FERTILIZER	115	39	56	618				827	TON	\$850.00	\$702,884	0.1%
25	UNDERDRAIN, 4"	325,678	112,712	122,654	842,850				1,403,894	LFT	\$3.00	\$4,211,682	0.7%
26	AGGREGATE FOR UNDERDRAIN	29,311	10,144	11,039	75,857				126,350	CYS	\$43.00	\$5,433,070	1.0%
27	GEOTEXTILES FOR UNDERDRAIN	150,536	52,098	56,693	389,584				648,911	SYS	\$1.50	\$973,367	0.2%
28	OUTLET PROTECTOR	814	282	307	2,107				3,510	EA	\$900.00	\$3,158,762	0.6%
29	PAVEMENT MARKINGS	401,082	144,824	147,431	1,065,623				1,758,958	LFT	\$1.00	\$1,758,958	0.3%
30	FENCE, RIGHT-OF-WAY	164,024	52,906	56,644	432,600				706,174	LFT	\$6.00	\$4,237,044	0.7%
31	CULVERT, CIRCULAR	6,495	1,200	2,801	15,894				26,390	LFT	\$200.00	\$5,278,000	0.9%
32	CULVERT, 4-SIDED BOX	5,550	595	2,759	13,522				22,426	LFT	\$750.00	\$16,819,500	3.0%
33	CULVERT, 3-SIDED BOX	0	0	0	0				0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	15,631	4,019	1,489	29,327				50,466	SYS	\$1,850.00	\$93,361,730	16.5%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$104,819,966	\$25,626,988	\$38,039,403	\$398,860,101	\$0.00	\$0.00	\$0.00	<b>Cross Check OK</b>			<b>\$567,346,457</b>	
SEGMENT LENGTH (LFT)		71,227	20,303	23,405	176,325	0	0	0				<b>55.16</b>	MILES



LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		17		10												
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$17,020,394	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$2,836,732	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$19,943,005	3.5%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$5,673,465	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$9,644,890	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$30,069,362	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$8,510,197	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$5,673,465	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$14,674,795.19		\$3,587,778.26		\$5,325,516.36		\$75,783,419.24		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$99,371,509	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$119,494,760.80		\$29,214,765.81		\$43,364,918.89		\$474,643,520.50		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$666,717,966	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$143,393,712.95		\$35,057,718.98		\$52,037,902.67		\$569,572,224.60		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$800,061,559	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$10,629,660.16		\$9,117,113.54		\$11,739,377.32		\$17,055,671.89		#DIV/0!		#DIV/0!		#DIV/0!					\$14,503,622.31	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		17		10												
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$40,003,078	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$40,003,078	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$120,009,234	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$80,006,156	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$96,007,387	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$67,395,045		\$16,477,128		\$24,457,814		\$267,698,946		\$0		\$0		\$0		Cross Check		OK	\$376,028,933	
TOTAL OVERALL COST OF PROJECT		\$210,788,758		\$51,534,847		\$76,495,717		\$837,271,170		\$0		\$0		\$0		Cross Check		OK	\$1,176,090,492	
TOTAL OVERAL COST OF PROJECT PER MILE		\$15,625,600		\$13,402,157		\$17,256,885		\$25,071,838		#DIV/0!		#DIV/0!		#DIV/0!					\$21,320,325	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE P2Ee (Section 2 Eatern Bypass - Section 3 Eastern Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	2	3	4	7	8	6					
1	COMMON EXCAVATION	5,960,947	1,819,022	473,258	896,054	1,990,687	1,353,844	4,167,568	16,661,381	CYS	\$7.00	\$116,629,666	25.0%
2	ROCK EXCAVATION	1,490,237	454,756	118,315	224,014	497,672	338,461	1,041,892	4,165,345	CYS	\$7.00	\$29,157,417	6.3%
3	BORROW	241,410	0	243,619	366,413	1,273,910	936,778	742,632	3,804,761	CYS	\$6.00	\$22,828,568	4.9%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	3,359,113	767,094	342,457	544,816	1,209,219	1,040,189	2,243,074	9,505,961	SYS	\$1.00	\$9,505,961	2.0%
5	SETTLEMENT PLATE	234	55	19	43	84	76	167	678	EA	\$1,100.00	\$746,090	0.2%
6	STAKE, LATERAL	234	55	19	43	84	76	167	678	EA	\$375.00	\$254,349	0.1%
7	STAKE, SETTLEMENT	234	55	19	43	84	76	167	678	EA	\$150.00	\$101,740	0.0%
8	SUBGRADE TREATMENT, TYPE IB	1,091,582	262,348	76,007	171,270	386,721	356,325	764,076	3,108,329	SYS	\$6.00	\$18,649,973	4.0%
9	QC/QA, SURFACE, 9.5mm	81,497	19,433	5,655	12,795	28,966	26,517	57,315	232,177	TON	\$80.00	\$18,574,160	4.0%
10	QC/QA, INTERMEDIATE, 19.0mm	256,623	61,167	17,798	40,311	91,149	83,493	180,436	730,977	TON	\$62.00	\$45,320,561	9.7%
11	QC/QA, BASE, 25.0mm	266,928	63,076	18,306	42,404	93,511	86,758	186,824	757,807	SYS	\$59.00	\$44,710,631	9.6%
12	JOINT ADHESIVE, SURFACE	678,537	161,578	46,200	102,662	245,388	220,116	481,751	1,936,232	LFT	\$0.50	\$968,116	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	929,513	216,504	60,910	138,996	334,434	299,458	662,793	2,642,608	LFT	\$0.50	\$1,321,304	0.3%
14	ASPHALT FOR TACK COAT	247	59	17	39	88	80	174	704	TON	\$1,000.00	\$703,567	0.2%
15	COMPACTED AGGREGATE, NO. 53	197,217	49,009	14,579	30,704	72,392	64,807	139,233	567,942	TON	\$22.00	\$12,494,714	2.7%
16	INLET, TYPE P	194	46	15	30	76	62	145	568	EA	\$3,000.00	\$1,704,648	0.4%
17	PIPE, TYPE 2, 15"	18,766	4,327	1,667	2,942	6,986	5,911	13,020	53,619	LFT	\$45.00	\$2,412,849	0.5%
18	END SECTION, 15"	194	46	15	30	76	62	145	568	EA	\$500.00	\$284,108	0.1%
19	REVTMENT RIPRAP	7,300	2,020	251	1,273	3,446	3,166	5,943	23,399	TON	\$30.00	\$701,979	0.2%
20	GEOTEXTILES FOR RIPRAP	9,764	2,647	378	1,679	4,686	4,192	7,888	31,232	SYS	\$4.00	\$124,930	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	75,066	17,310	6,669	11,766	27,942	23,644	52,078	214,475	CYS	\$30.00	\$6,434,264	1.4%
22	SEEDING, TYPE R	119,417	27,007	12,451	19,739	38,952	37,473	71,831	326,868	LBS	\$3.00	\$980,605	0.2%
23	MULCHING	1,165	263	121	193	380	366	701	3,189	TON	\$450.00	\$1,435,032	0.3%
24	FERTILIZER	233	53	24	39	76	73	140	638	TON	\$850.00	\$542,123	0.1%
25	UNDERDRAIN, 4"	466,850	120,572	33,560	72,828	160,272	157,104	312,094	1,323,280	LFT	\$3.00	\$3,969,840	0.9%
26	AGGREGATE FOR UNDERDRAIN	42,017	10,851	3,020	6,555	14,424	14,139	28,088	119,095	CYS	\$43.00	\$5,121,094	1.1%
27	GEOTEXTILES FOR UNDERDRAIN	215,788	55,731	15,512	33,663	74,081	72,617	144,257	611,649	SYS	\$1.50	\$917,474	0.2%
28	OUTLET PROTECTOR	1,167	301	84	182	401	393	780	3,308	EA	\$900.00	\$2,977,380	0.6%
29	PAVEMENT MARKINGS	633,380	139,764	41,378	99,727	200,024	193,640	407,410	1,715,320	LFT	\$1.00	\$1,715,320	0.4%
30	FENCE, RIGHT-OF-WAY	234,314	55,006	18,850	42,914	84,066	75,682	167,432	678,264	LFT	\$6.00	\$4,069,584	0.9%
31	CULVERT, CIRCULAR	9,622	1,685	915	1,986	8,752	5,031	6,695	34,686	LFT	\$200.00	\$6,937,200	1.5%
32	CULVERT, 4-SIDED BOX	6,825	2,085	0	0	1,265	2,414	5,160	17,749	LFT	\$750.00	\$13,311,750	2.9%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0	0	0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	24,613	4,367	4,168	992	1,489	2,779	10,321	48,729	SYS	\$1,850.00	\$90,148,691	19.4%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$171,776,664	\$41,565,792	\$18,285,623	\$22,659,576	\$53,808,449	\$46,741,419	\$110,918,166	<b>Cross Check</b>		<b>OK</b>	<b>\$465,755,689</b>	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	38,103	31,111	72,331				<b>53.81</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		7		8		6						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$13,972,671	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$2,328,778	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	0.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$4,657,557	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$7,917,847	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$24,685,052	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$6,986,335	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$4,657,557	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$24,048,732.95		\$5,819,210.89		\$2,559,987.28		\$3,172,340.67		\$7,533,182.88		\$6,543,798.62		\$15,528,543.21		Cross Check		OK	\$65,205,797	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$195,825,396.91		\$47,385,002.99		\$20,845,610.73		\$25,831,916.89		\$61,341,632.03		\$53,285,217.36		\$126,446,708.99		Cross Check		OK	\$530,961,486	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$234,990,476.29		\$56,862,003.59		\$25,014,732.87		\$30,998,300.27		\$73,609,958.44		\$63,942,260.83		\$151,736,050.78		Cross Check		OK	\$637,153,783	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$12,782,273.40		\$12,950,497.30		\$17,957,551.27		\$10,942,770.97		\$10,200,261.94		\$10,851,953.88		\$11,076,389.77					\$11,841,172.99	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		7		8		6						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$31,857,689	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$31,857,689	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$95,573,067	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$63,715,378	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$76,458,454	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$110,445,524		\$26,725,142		\$11,756,924		\$14,569,201		\$34,596,680		\$30,052,863		\$71,315,944		Cross Check		OK	\$299,462,278	
TOTAL OVERALL COST OF PROJECT		\$345,436,000		\$83,587,145		\$36,771,657		\$45,567,501		\$108,206,639		\$93,995,123		\$223,051,995		Cross Check		OK	\$936,616,061	
TOTAL OVERAL COST OF PROJECT PER MILE		\$18,789,942		\$19,037,231		\$26,397,600		\$16,085,873		\$14,994,385		\$15,952,372		\$16,282,293					\$17,406,524	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE P2Ew (Section 2 Eastern Bypass - Section 3 Western Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	2	3	4	5	6						
1	COMMON EXCAVATION	5,960,947	1,819,022	473,258	896,054	2,905,155	4,167,568		16,222,005	CYS	\$7.00	\$113,554,038	25.4%
2	ROCK EXCAVATION	1,490,237	454,756	118,315	224,014	726,289	1,041,892		4,055,501	CYS	\$7.00	\$28,388,510	6.3%
3	BORROW	241,410	0	243,619	366,413	95,117	742,632		1,689,191	CYS	\$6.00	\$10,135,148	2.3%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	3,359,113	767,094	342,457	544,816	2,102,067	2,243,074		9,358,620	SYS	\$1.00	\$9,358,620	2.1%
5	SETTLEMENT PLATE	234	55	19	43	162	167		680	EA	\$1,100.00	\$748,141	0.2%
6	STAKE, LATERAL	234	55	19	43	162	167		680	EA	\$375.00	\$255,048	0.1%
7	STAKE, SETTLEMENT	234	55	19	43	162	167		680	EA	\$150.00	\$102,019	0.0%
8	SUBGRADE TREATMENT, TYPE IB	1,091,582	262,348	76,007	171,270	753,594	764,076		3,118,876	SYS	\$6.00	\$18,713,259	4.2%
9	QC/QA, SURFACE, 9.5mm	81,497	19,433	5,655	12,795	56,273	57,315		232,967	TON	\$80.00	\$18,637,367	4.2%
10	QC/QA, INTERMEDIATE, 19.0mm	256,623	61,167	17,798	40,311	177,123	180,436		733,457	TON	\$62.00	\$45,474,355	10.2%
11	QC/QA, BASE, 25.0mm	266,928	63,076	18,306	42,404	182,695	186,824		760,233	SYS	\$59.00	\$44,853,757	10.0%
12	JOINT ADHESIVE, SURFACE	678,537	161,578	46,200	102,662	472,696	481,751		1,943,424	LFT	\$0.50	\$971,712	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	929,513	216,504	60,910	138,996	643,588	662,793		2,652,304	LFT	\$0.50	\$1,326,152	0.3%
14	ASPHALT FOR TACK COAT	247	59	17	39	171	174		706	TON	\$1,000.00	\$705,961	0.2%
15	COMPACTED AGGREGATE, NO. 53	197,217	49,009	14,579	30,704	139,370	139,233		570,113	TON	\$22.00	\$12,542,486	2.8%
16	INLET, TYPE P	194	46	15	30	141	145		571	EA	\$3,000.00	\$1,712,160	0.4%
17	PIPE, TYPE 2, 15"	18,766	4,327	1,667	2,942	12,449	13,020		53,171	LFT	\$45.00	\$2,392,705	0.5%
18	END SECTION, 15"	194	46	15	30	141	145		571	EA	\$500.00	\$285,360	0.1%
19	REVTMENT RIPRAP	7,300	2,020	251	1,273	4,346	5,943		21,133	TON	\$30.00	\$633,981	0.1%
20	GEOTEXTILES FOR RIPRAP	9,764	2,647	378	1,679	6,021	7,888		28,376	SYS	\$4.00	\$113,503	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	75,066	17,310	6,669	11,766	49,796	52,078		212,685	CYS	\$30.00	\$6,380,547	1.4%
22	SEEDING, TYPE R	119,417	27,007	12,451	19,739	67,996	71,831		318,440	LBS	\$3.00	\$955,319	0.2%
23	MULCHING	1,165	263	121	193	663	701		3,107	TON	\$450.00	\$1,398,028	0.3%
24	FERTILIZER	233	53	24	39	133	140		621	TON	\$850.00	\$528,144	0.1%
25	UNDERDRAIN, 4"	466,850	120,572	33,560	72,828	321,744	312,094		1,327,648	LFT	\$3.00	\$3,982,944	0.9%
26	AGGREGATE FOR UNDERDRAIN	42,017	10,851	3,020	6,555	28,957	28,088		119,488	CYS	\$43.00	\$5,137,998	1.1%
27	GEOTEXTILES FOR UNDERDRAIN	215,788	55,731	15,512	33,663	148,717	144,257		613,668	SYS	\$1.50	\$920,503	0.2%
28	OUTLET PROTECTOR	1,167	301	84	182	804	780		3,319	EA	\$900.00	\$2,987,208	0.7%
29	PAVEMENT MARKINGS	633,380	139,764	41,378	99,727	398,017	407,410		1,719,674	LFT	\$1.00	\$1,719,674	0.4%
30	FENCE, RIGHT-OF-WAY	234,314	55,006	18,850	42,914	161,612	167,432		680,128	LFT	\$6.00	\$4,080,768	0.9%
31	CULVERT, CIRCULAR	9,622	1,685	915	1,986	9,280	6,695		30,183	LFT	\$200.00	\$6,036,600	1.3%
32	CULVERT, 4-SIDED BOX	6,825	2,085	0	0	2,040	5,160		16,110	LFT	\$750.00	\$12,082,500	2.7%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0		0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	24,613	4,367	4,168	992	4,615	10,321		49,076	SYS	\$1,850.00	\$90,791,299	20.3%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$171,776,664	\$41,565,792	\$18,285,623	\$22,659,576	\$82,699,991	\$110,918,166	\$0	<b>Cross Check</b>		<b>OK</b>	<b>\$447,905,812</b>	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	70,466	72,331	0				<b>54.05</b>	MILES



LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		5		6								
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$13,437,174	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$2,239,529	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$4,479,058	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$7,614,399	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$23,739,008	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$6,718,587	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$4,479,058	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$24,048,732.95		\$5,819,210.89		\$2,559,987.28		\$3,172,340.67		\$11,577,998.74		\$15,528,543.21		\$0.00		Cross Check		OK	\$62,706,814	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$195,825,396.91		\$47,385,002.99		\$20,845,610.73		\$25,831,916.89		\$94,277,989.72		\$126,446,708.99		\$0.00		Cross Check		OK	\$510,612,626	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$234,990,476.29		\$56,862,003.59		\$25,014,732.87		\$30,998,300.27		\$113,133,587.67		\$151,736,050.78		\$0.00		Cross Check		OK	\$612,735,151	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$12,782,273.40		\$12,950,497.30		\$17,957,551.27		\$10,942,770.97		\$8,477,071.82		\$11,076,389.77		#DIV/0!					\$11,337,403.98	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		5		6								
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$30,636,758	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$30,636,758	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$91,910,273	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$61,273,515	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$73,528,218	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$110,445,524		\$26,725,142		\$11,756,924		\$14,569,201		\$53,172,786		\$71,315,944		\$0		Cross Check		OK	\$287,985,521	
TOTAL OVERALL COST OF PROJECT		\$345,436,000		\$83,587,145		\$36,771,657		\$45,567,501		\$166,306,374		\$223,051,995		\$0		Cross Check		OK	\$900,720,673	
TOTAL OVERAL COST OF PROJECT PER MILE		\$18,789,942		\$19,037,231		\$26,397,600		\$16,085,873		\$12,461,296		\$16,282,293		#DIV/0!					\$16,665,984	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE P2We (Section 2 Western Bypass - Section 3 Eastern Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS														
ITEM #	DESCRIPTION	SEGMENT NUMBER								TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12	13	14	3	4	7	8	6					
1	COMMON EXCAVATION	2,003,720	299,230	791,842	473,258	896,054	1,990,687	1,353,844	4,167,568	11,976,204	CYS	\$7.00	\$83,833,426	20.4%
2	ROCK EXCAVATION	500,930	74,807	197,961	118,315	224,014	497,672	338,461	1,041,892	2,994,051	CYS	\$7.00	\$20,958,357	5.1%
3	BORROW	1,361,977	0	0	243,619	366,413	1,273,910	936,778	742,632	4,925,329	CYS	\$6.00	\$29,551,972	7.2%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,835,760	557,702	656,924	342,457	544,816	1,209,219	1,040,189	2,243,074	8,430,140	SYS	\$1.00	\$8,430,140	2.0%
5	SETTLEMENT PLATE	164	53	61	19	43	84	76	167	667	EA	\$1,100.00	\$733,755	0.2%
6	STAKE, LATERAL	164	53	61	19	43	84	76	167	667	EA	\$375.00	\$250,144	0.1%
7	STAKE, SETTLEMENT	164	53	61	19	43	84	76	167	667	EA	\$150.00	\$100,058	0.0%
8	SUBGRADE TREATMENT, TYPE IB	759,425	256,241	279,310	76,007	171,270	386,721	356,325	764,076	3,049,376	SYS	\$6.00	\$18,296,253	4.4%
9	QC/QA, SURFACE, 9.5mm	56,682	19,074	20,984	5,655	12,795	28,966	26,517	57,315	227,987	TON	\$80.00	\$18,238,924	4.4%
10	QC/QA, INTERMEDIATE, 19.0mm	178,404	60,099	66,086	17,798	40,311	91,149	83,493	180,436	717,776	TON	\$62.00	\$44,502,088	10.8%
11	QC/QA, BASE, 25.0mm	183,885	63,327	68,936	18,306	42,404	93,511	86,758	186,824	743,951	SYS	\$59.00	\$43,893,125	10.7%
12	JOINT ADHESIVE, SURFACE	475,567	156,828	175,548	46,200	102,662	245,388	220,116	481,751	1,904,060	LFT	\$0.50	\$952,030	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	645,841	216,694	243,804	60,910	138,996	334,434	299,458	662,793	2,602,930	LFT	\$0.50	\$1,301,465	0.3%
14	ASPHALT FOR TACK COAT	172	58	64	17	39	88	80	174	691	TON	\$1,000.00	\$690,868	0.2%
15	COMPACTED AGGREGATE, NO. 53	140,985	44,519	49,676	14,579	30,704	72,392	64,807	139,233	556,895	TON	\$22.00	\$12,251,691	3.0%
16	INLET, TYPE P	142	41	51	15	30	76	62	145	562	EA	\$3,000.00	\$1,685,730	0.4%
17	PIPE, TYPE 2, 15"	11,871	3,452	4,261	1,667	2,942	6,986	5,911	13,020	50,109	LFT	\$45.00	\$2,254,901	0.5%
18	END SECTION, 15"	142	41	51	15	30	76	62	145	562	EA	\$500.00	\$280,955	0.1%
19	REVTMENT RIPRAP	6,479	943	1,393	251	1,273	3,446	3,166	5,943	22,895	TON	\$30.00	\$686,847	0.2%
20	GEOTEXTILES FOR RIPRAP	8,557	1,327	1,889	378	1,679	4,686	4,192	7,888	30,595	SYS	\$4.00	\$122,380	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	47,485	13,806	17,045	6,669	11,766	27,942	23,644	52,078	200,436	CYS	\$30.00	\$6,013,069	1.5%
22	SEEDING, TYPE R	58,767	19,851	20,906	12,451	19,739	38,952	37,473	71,831	279,969	LBS	\$3.00	\$839,906	0.2%
23	MULCHING	573	194	204	121	193	380	366	701	2,731	TON	\$450.00	\$1,229,131	0.3%
24	FERTILIZER	115	39	41	24	39	76	73	140	546	TON	\$850.00	\$464,338	0.1%
25	UNDERDRAIN, 4"	325,678	112,712	112,312	33,560	72,828	160,272	157,104	312,094	1,286,560	LFT	\$3.00	\$3,859,680	0.9%
26	AGGREGATE FOR UNDERDRAIN	29,311	10,144	10,108	3,020	6,555	14,424	14,139	28,088	115,790	CYS	\$43.00	\$4,978,987	1.2%
27	GEOTEXTILES FOR UNDERDRAIN	150,536	52,098	51,913	15,512	33,663	74,081	72,617	144,257	594,677	SYS	\$1.50	\$892,015	0.2%
28	OUTLET PROTECTOR	814	282	281	84	182	401	393	780	3,216	EA	\$900.00	\$2,894,760	0.7%
29	PAVEMENT MARKINGS	401,082	144,824	152,256	41,378	99,727	200,024	193,640	407,410	1,640,338	LFT	\$1.00	\$1,640,338	0.4%
30	FENCE, RIGHT-OF-WAY	164,024	52,906	61,176	18,850	42,914	84,066	75,682	167,432	667,050	LFT	\$6.00	\$4,002,300	1.0%
31	CULVERT, CIRCULAR	6,495	1,200	575	915	1,986	8,752	5,031	6,695	31,649	LFT	\$200.00	\$6,329,800	1.5%
32	CULVERT, 4-SIDED BOX	5,550	595	1,570	0	0	1,265	2,414	5,160	16,554	LFT	\$750.00	\$12,415,500	3.0%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0	0	0	0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	15,631	4,019	2,382	4,168	992	1,489	2,779	10,321	41,782	SYS	\$1,850.00	\$77,296,536	18.8%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$104,819,966	\$25,626,988	\$29,011,280	\$18,285,623	\$22,659,576	\$53,808,449	\$46,741,419	\$110,918,166	<b>Cross Check</b>		<b>OK</b>	<b>\$411,871,467</b>	
SEGMENT LENGTH (LFT)		71,227	20,303	25,568	7,355	14,957	38,103	31,111	72,331				<b>53.21</b>	MILES



LUMP SUM CONSTRUCTION COST ITEMS																						
ITEM #	DESCRIPTION	SEGMENT NUMBER																TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		4		7		8		6						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$12,356,144	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$2,059,357	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$4,118,715	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$7,001,815	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$21,829,188	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$6,178,072	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$4,118,715	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$14,674,795.19		\$3,587,778.26		\$4,061,579.22		\$2,559,987.28		\$3,172,340.67		\$7,533,182.88		\$6,543,798.62		\$15,528,543.21		Cross Check		OK	\$57,662,005	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$119,494,760.80		\$29,214,765.81		\$33,072,859.37		\$20,845,610.73		\$25,831,916.89		\$61,341,632.03		\$53,285,217.36		\$126,446,708.99		Cross Check		OK	\$469,533,472	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$143,393,712.95		\$35,057,718.98		\$39,687,431.25		\$25,014,732.87		\$30,998,300.27		\$73,609,958.44		\$63,942,260.83		\$151,736,050.78		Cross Check		OK	\$563,440,166	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$10,629,660.16		\$9,117,113.54		\$8,195,777.42		\$17,957,551.27		\$10,942,770.97		\$10,200,261.94		\$10,851,953.88		\$11,076,389.77					\$10,588,756.49	

SOFT COST ITEMS																						
ITEM #	DESCRIPTION	SEGMENT NUMBER																TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		4		7		8		6						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$28,172,008	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$28,172,008	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$84,516,025	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$56,344,017	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$67,612,820	12.0%
																		N/A	LS	N/A	\$0	0.0%
																		N/A	LS	N/A	\$0	0.0%
																		N/A	LS	N/A	\$0	0.0%
																		N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$67,395,045		\$16,477,128		\$18,653,093		\$11,756,924		\$14,569,201		\$34,596,680		\$30,052,863		\$71,315,944		Cross Check		OK	\$264,816,878	
TOTAL OVERALL COST OF PROJECT		\$210,788,758		\$51,534,847		\$58,340,524		\$36,771,657		\$45,567,501		\$108,206,639		\$93,995,123		\$223,051,995		Cross Check		OK	\$828,257,045	
TOTAL OVERAL COST OF PROJECT PER MILE		\$15,625,600		\$13,402,157		\$12,047,793		\$26,397,600		\$16,085,873		\$14,994,385		\$15,952,372		\$16,282,293					\$15,565,472	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE P2Ww (Section 2 Western Bypass - Section 3 Western Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12	13	14	3	4	5	6					
1	COMMON EXCAVATION	2,003,720	299,230	791,842	473,258	896,054	2,905,155	4,167,568	11,536,828	CYS	\$7.00	\$80,757,798	20.5%
2	ROCK EXCAVATION	500,930	74,807	197,961	118,315	224,014	726,289	1,041,892	2,884,207	CYS	\$7.00	\$20,189,450	5.1%
3	BORROW	1,361,977	0	0	243,619	366,413	95,117	742,632	2,809,759	CYS	\$6.00	\$16,858,552	4.3%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,835,760	557,702	656,924	342,457	544,816	2,102,067	2,243,074	8,282,799	SYS	\$1.00	\$8,282,799	2.1%
5	SETTLEMENT PLATE	164	53	61	19	43	162	167	669	EA	\$1,100.00	\$735,805	0.2%
6	STAKE, LATERAL	164	53	61	19	43	162	167	669	EA	\$375.00	\$250,843	0.1%
7	STAKE, SETTLEMENT	164	53	61	19	43	162	167	669	EA	\$150.00	\$100,337	0.0%
8	SUBGRADE TREATMENT, TYPE IB	759,425	256,241	279,310	76,007	171,270	753,594	764,076	3,059,923	SYS	\$6.00	\$18,359,539	4.7%
9	QC/QA, SURFACE, 9.5mm	56,682	19,074	20,984	5,655	12,795	56,273	57,315	228,777	TON	\$80.00	\$18,302,131	4.6%
10	QC/QA, INTERMEDIATE, 19.0mm	178,404	60,099	66,086	17,798	40,311	177,123	180,436	720,256	TON	\$62.00	\$44,655,882	11.3%
11	QC/QA, BASE, 25.0mm	183,885	63,327	68,936	18,306	42,404	182,695	186,824	746,377	SYS	\$59.00	\$44,036,251	11.2%
12	JOINT ADHESIVE, SURFACE	475,567	156,828	175,548	46,200	102,662	472,696	481,751	1,911,252	LFT	\$0.50	\$955,626	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	645,841	216,694	243,804	60,910	138,996	643,588	662,793	2,612,626	LFT	\$0.50	\$1,306,313	0.3%
14	ASPHALT FOR TACK COAT	172	58	64	17	39	171	174	693	TON	\$1,000.00	\$693,263	0.2%
15	COMPACTED AGGREGATE, NO. 53	140,985	44,519	49,676	14,579	30,704	139,370	139,233	559,066	TON	\$22.00	\$12,299,462	3.1%
16	INLET, TYPE P	142	41	51	15	30	141	145	564	EA	\$3,000.00	\$1,693,242	0.4%
17	PIPE, TYPE 2, 15"	11,871	3,452	4,261	1,667	2,942	12,449	13,020	49,661	LFT	\$45.00	\$2,234,757	0.6%
18	END SECTION, 15"	142	41	51	15	30	141	145	564	EA	\$500.00	\$282,207	0.1%
19	REVTMENT RIPRAP	6,479	943	1,393	251	1,273	4,346	5,943	20,628	TON	\$30.00	\$618,849	0.2%
20	GEOTEXTILES FOR RIPRAP	8,557	1,327	1,889	378	1,679	6,021	7,888	27,738	SYS	\$4.00	\$110,953	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	47,485	13,806	17,045	6,669	11,766	49,796	52,078	198,645	CYS	\$30.00	\$5,959,351	1.5%
22	SEEDING, TYPE R	58,767	19,851	20,906	12,451	19,739	67,996	71,831	271,540	LBS	\$3.00	\$814,619	0.2%
23	MULCHING	573	194	204	121	193	663	701	2,649	TON	\$450.00	\$1,192,126	0.3%
24	FERTILIZER	115	39	41	24	39	133	140	530	TON	\$850.00	\$450,359	0.1%
25	UNDERDRAIN, 4"	325,678	112,712	112,312	33,560	72,828	321,744	312,094	1,290,928	LFT	\$3.00	\$3,872,784	1.0%
26	AGGREGATE FOR UNDERDRAIN	29,311	10,144	10,108	3,020	6,555	28,957	28,088	116,184	CYS	\$43.00	\$4,995,891	1.3%
27	GEOTEXTILES FOR UNDERDRAIN	150,536	52,098	51,913	15,512	33,663	148,717	144,257	596,696	SYS	\$1.50	\$895,043	0.2%
28	OUTLET PROTECTOR	814	282	281	84	182	804	780	3,227	EA	\$900.00	\$2,904,588	0.7%
29	PAVEMENT MARKINGS	401,082	144,824	152,256	41,378	99,727	398,017	407,410	1,644,692	LFT	\$1.00	\$1,644,692	0.4%
30	FENCE, RIGHT-OF-WAY	164,024	52,906	61,176	18,850	42,914	161,612	167,432	668,914	LFT	\$6.00	\$4,013,484	1.0%
31	CULVERT, CIRCULAR	6,495	1,200	575	915	1,986	9,280	6,695	27,146	LFT	\$200.00	\$5,429,200	1.4%
32	CULVERT, 4-SIDED BOX	5,550	595	1,570	0	0	2,040	5,160	14,915	LFT	\$750.00	\$11,186,250	2.8%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0	0	0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	15,631	4,019	2,382	4,168	992	4,615	10,321	42,129	SYS	\$1,850.00	\$77,939,143	19.8%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$104,819,966	\$25,626,988	\$29,011,280	\$18,285,623	\$22,659,576	\$82,699,991	\$110,918,166	<b>Cross Check</b>		<b>OK</b>	<b>\$394,021,590</b>	
SEGMENT LENGTH (LFT)		71,227	20,303	25,568	7,355	14,957	70,466	72,331				<b>53.45</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		4		5		6						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$11,820,648	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$1,970,108	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$3,940,216	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$6,698,367	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$20,883,144	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$5,910,324	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$3,940,216	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$14,674,795.19		\$3,587,778.26		\$4,061,579.22		\$2,559,987.28		\$3,172,340.67		\$11,577,998.74		\$15,528,543.21		Cross Check		OK	\$55,163,023	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$119,494,760.80		\$29,214,765.81		\$33,072,859.37		\$20,845,610.73		\$25,831,916.89		\$94,277,989.72		\$126,446,708.99		Cross Check		OK	\$449,184,612	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$143,393,712.95		\$35,057,718.98		\$39,687,431.25		\$25,014,732.87		\$30,998,300.27		\$113,133,587.67		\$151,736,050.78		Cross Check		OK	\$539,021,535	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$10,629,660.16		\$9,117,113.54		\$8,195,777.42		\$17,957,551.27		\$10,942,770.97		\$8,477,071.82		\$11,076,389.77					\$10,084,915.34	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		12		13		14		3		4		5		6						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$26,951,077	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$26,951,077	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$80,853,230	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$53,902,153	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$64,682,584	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$67,395,045		\$16,477,128		\$18,653,093		\$11,756,924		\$14,569,201		\$53,172,786		\$71,315,944		Cross Check		OK	\$253,340,121	
TOTAL OVERALL COST OF PROJECT		\$210,788,758		\$51,534,847		\$58,340,524		\$36,771,657		\$45,567,501		\$166,306,374		\$223,051,995		Cross Check		OK	\$792,361,656	
TOTAL OVERAL COST OF PROJECT PER MILE		\$15,625,600		\$13,402,157		\$12,047,793		\$26,397,600		\$16,085,873		\$12,461,296		\$16,282,293					\$14,824,826	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**OVERALL LOCAL IMPROVEMENTS ( LI-1 TO LI-9)**

QUANTIFIED CONSTRUCTION COST ITEMS														
ITEM #	DESCRIPTION	SEGMENT NUMBER								TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 1	LI - 2	LI - 3	LI - 5	LI - 6	LI - 7	LI - 8	LI - 9					
1	COMMON EXCAVATION	47544	94483	74038	446608	269456	51378	31581	37,026	1,052,113	CYS	\$7.00	\$7,364,788	13.0%
2	ROCK EXCAVATION	8390	16673	13065	78813	67364	9067	5573	6,534	205,480	CYS	\$7.00	\$1,438,359	2.5%
3	BORROW	0	39391	0	0	0	0	0	0	39,391	CYS	\$6.00	\$236,345	0.4%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	93668	311762	142698	209374	358170	114749	75307	159,046	1,464,773	SYS	\$1.00	\$1,464,773	2.6%
5	SETTLEMENT PLATE	13	35	16	26	28	12	9	17	156	EA	\$1,100.00	\$171,534	0.3%
6	STAKE, LATERAL	13	35	16	26	28	12	9	17	156	EA	\$375.00	\$58,478	0.1%
7	STAKE, SETTLEMENT	13	35	16	26	28	12	9	17	156	EA	\$150.00	\$23,391	0.0%
8	SUBGRADE TREATMENT, TYPE IB	47289	122844	78970	92444	113307	42368	31929	61,867	591,018	SYS	\$6.00	\$3,546,108	6.2%
9	QC/QA, SURFACE, 9.5mm	3414	8868	5936	6673	8834	3058	2305	4,466	43,555	TON	\$80.00	\$3,484,361	6.1%
10	QC/QA, INTERMEDIATE, 19.0mm	10773	27986	18782	21060	27830	9652	7274	14,094	137,450	TON	\$62.00	\$8,521,877	15.0%
11	QC/QA, BASE, 25.0mm	11704	30404	21427	22880	29178	10486	7902	15,312	149,294	SYS	\$59.00	\$8,808,319	15.5%
12	JOINT ADHESIVE, SURFACE	39900	103650	47382	78000	56980	35748	26940	52,200	440,800	LFT	\$0.50	\$220,400	0.4%
13	JOINT ADHESIVE, INTERMEDIATE	53200	138200	63176	104000	71960	47664	35920	69,600	583,720	LFT	\$0.50	\$291,860	0.5%
14	ASPHALT FOR TACK COAT	10	27	18	20	27	9	7	14	132	TON	\$1,000.00	\$131,983	0.2%
15	COMPACTED AGGREGATE, NO. 53	9250	24030	10985	18083	15135	8288	6246	12,102	104,119	TON	\$22.00	\$2,290,614	4.0%
16	INLET, TYPE P	13	35	16	26	0	12	9	17	128	EA	\$3,000.00	\$383,820	0.7%
17	PIPE, TYPE 2, 15"	545	1440	890	1153	0	588	413	829	5,858	LFT	\$45.00	\$263,593	0.5%
18	END SECTION, 15"	13	35	16	26	0	12	9	17	128	EA	\$500.00	\$63,970	0.1%
19	REVTMENT RIPRAP	1087	912	552	781	1006	60	45	723	5,166	TON	\$30.00	\$154,978	0.3%
20	GEOTEXTILES FOR RIPRAP	1399	1266	732	1065	1268	119	90	981	6,920	SYS	\$4.00	\$27,681	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	53	138	63	104	0	48	36	70	512	CYS	\$30.00	\$15,353	0.0%
22	SEEDING, TYPE R	2253	9105	3196	5629	11991	3421	2155	4,586	42,337	LBS	\$3.00	\$127,010	0.2%
23	MULCHING	22	89	31	55	117	33	21	45	413	TON	\$450.00	\$185,868	0.3%
24	FERTILIZER	4	18	6	11	23	7	4	9	83	TON	\$850.00	\$70,217	0.1%
25	UNDERDRAIN, 4"	26600	69100	31588	52000	28000	23832	17960	34,800	283,880	LFT	\$3.00	\$851,640	1.5%
26	AGGREGATE FOR UNDERDRAIN	2394	6219	2843	4680	2520	2145	1616	3,132	25,549	CYS	\$43.00	\$1,098,616	1.9%
27	GEOTEXTILES FOR UNDERDRAIN	12295	31940	14601	24036	12942	11016	8302	16,085	131,216	SYS	\$1.50	\$196,823	0.3%
28	OUTLET PROTECTOR	67	173	79	130	70	60	45	87	710	EA	\$900.00	\$638,730	1.1%
29	PAVEMENT MARKINGS	29925	77738	35537	58500	102480	26811	20205	39,150	390,345	LFT	\$1.00	\$390,345	0.7%
30	FENCE, RIGHT-OF-WAY	13300	34550	15794	26000	28000	11916	8980	17,400	155,940	LFT	\$6.00	\$935,640	1.6%
31	CULVERT, CIRCULAR	666	786	161	434	1115	0	0	860	4,022	LFT	\$200.00	\$804,400	1.4%
32	CULVERT, 4-SIDED BOX	416	380	365	364	335	0	0	210	2,070	LFT	\$750.00	\$1,552,500	2.7%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0	0	0	0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	0	3794	0	0	0	1622	543	0	5,960	SYS	\$1,850.00	\$11,025,375	19.4%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$3,629,744	\$15,763,912	\$5,362,235	\$9,491,998	\$9,182,406	\$5,942,567	\$3,146,264	\$4,320,621	<b>Cross Check OK</b>		<b>\$56,839,748</b>		
SEGMENT LENGTH (LFT)		6,650	17,275	7,897	13,000	14,000	5,958	4,490	8,700			<b>14.77</b>		MILES



LUMP SUM CONSTRUCTION COST ITEMS																						
ITEM #	DESCRIPTION	SEGMENT NUMBER																TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 1		LI - 2		LI - 3		LI - 5		LI - 6		LI - 7		LI - 8		LI - 9						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$1,705,192	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$284,199	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$568,397	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$966,276	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$3,012,507	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$852,596	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$568,397	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$508,164.13		\$2,206,947.62		\$750,712.86		\$1,328,879.71		\$1,285,536.87		\$831,959.45		\$440,477.03		\$604,886.98		Cross Check		OK	\$7,957,565	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$4,137,907.90		\$17,970,859.20		\$6,112,947.61		\$10,820,877.65		\$10,467,943.11		\$6,774,526.94		\$3,586,741.52		\$4,925,508.29		Cross Check		OK	\$64,797,312	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$4,965,489.48		\$21,565,031.04		\$7,335,537.14		\$12,985,053.18		\$12,561,531.73		\$8,129,432.32		\$4,304,089.82		\$5,910,609.95		Cross Check		OK	\$77,756,775	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$3,942,523.98		\$6,591,222.22		\$4,904,601.25		\$5,273,929.29		\$4,737,491.97		\$7,204,330.76		\$5,061,379.57		\$3,587,128.80					\$5,265,560.73	

ITEM #	DESCRIPTION	SEGMENT NUMBER																TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 1		LI - 2		LI - 3		LI - 5		LI - 6		LI - 7		LI - 8		LI - 9						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$3,887,839	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$3,887,839	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$11,663,516	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$7,775,677	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$9,330,813	12.0%
																		N/A	LS	N/A	\$0	0.0%
																		N/A	LS	N/A	\$0	0.0%
																		N/A	LS	N/A	\$0	0.0%
																		N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$2,333,780.06		\$10,135,564.59		\$3,447,702.45		\$6,102,974.99		\$5,903,919.91		\$3,820,833.19		\$2,022,922.22		\$2,777,986.68		Cross Check		OK	\$36,545,684	
TOTAL OVERALL COST OF PROJECT		\$7,299,269.54		\$31,700,595.63		\$10,783,239.59		\$19,088,028.17		\$18,465,451.64		\$11,950,265.52		\$6,327,012.04		\$8,688,596.63		Cross Check		OK	\$114,302,459	
TOTAL OVERAL COST OF PROJECT PER MILE		\$5,795,510.25		\$9,689,096.67		\$7,209,763.84		\$7,752,676.06		\$6,964,113.19		\$10,590,366.22		\$7,440,227.96		\$5,273,079.34					\$7,740,374.28	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**LOCAL IMPROVEMENT 1 - W 900 S to 1350' S of W 750 S**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 1											
1	COMMON EXCAVATION	47544							47,544	CYS	\$7.00	\$332,805	9.2%
2	ROCK EXCAVATION	8390							8,390	CYS	\$7.00	\$58,730	1.6%
3	BORROW	0							0	CYS	\$6.00	\$0	0.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	93668							93,668	SYS	\$1.00	\$93,668	2.6%
5	SETTLEMENT PLATE	13							13	EA	\$1,100.00	\$14,630	0.4%
6	STAKE, LATERAL	13							13	EA	\$375.00	\$4,988	0.1%
7	STAKE, SETTLEMENT	13							13	EA	\$150.00	\$1,995	0.1%
8	SUBGRADE TREATMENT, TYPE IB	47289							47,289	SYS	\$6.00	\$283,733	7.8%
9	QC/QA, SURFACE, 9.5mm	3414							3,414	TON	\$80.00	\$273,093	7.5%
10	QC/QA, INTERMEDIATE, 19.0mm	10773							10,773	TON	\$62.00	\$667,926	18.4%
11	QC/QA, BASE, 25.0mm	11704							11,704	SYS	\$59.00	\$690,536	19.0%
12	JOINT ADHESIVE, SURFACE	39900							39,900	LFT	\$0.50	\$19,950	0.5%
13	JOINT ADHESIVE, INTERMEDIATE	53200							53,200	LFT	\$0.50	\$26,600	0.7%
14	ASPHALT FOR TACK COAT	10							10	TON	\$1,000.00	\$10,344	0.3%
15	COMPACTED AGGREGATE, NO. 53	9250							9,250	TON	\$22.00	\$203,508	5.6%
16	INLET, TYPE P	13							13	EA	\$3,000.00	\$39,900	1.1%
17	PIPE, TYPE 2, 15"	545							545	LFT	\$45.00	\$24,539	0.7%
18	END SECTION, 15"	13							13	EA	\$500.00	\$6,650	0.2%
19	REVTMENT RIPRAP	1087							1,087	TON	\$30.00	\$32,608	0.9%
20	GEOTEXTILES FOR RIPRAP	1399							1,399	SYS	\$4.00	\$5,595	0.2%
21	STRUCTURAL BACKFILL, TYPE 1	53							53	CYS	\$30.00	\$1,596	0.0%
22	SEEDING, TYPE R	2253							2,253	LBS	\$3.00	\$6,760	0.2%
23	MULCHING	22							22	TON	\$450.00	\$9,893	0.3%
24	FERTILIZER	4							4	TON	\$850.00	\$3,737	0.1%
25	UNDERDRAIN, 4"	26600							26,600	LFT	\$3.00	\$79,800	2.2%
26	AGGREGATE FOR UNDERDRAIN	2394							2,394	CYS	\$43.00	\$102,942	2.8%
27	GEOTEXTILES FOR UNDERDRAIN	12295							12,295	SYS	\$1.50	\$18,443	0.5%
28	OUTLET PROTECTOR	67							67	EA	\$900.00	\$59,850	1.6%
29	PAVEMENT MARKINGS	29925							29,925	LFT	\$1.00	\$29,925	0.8%
30	FENCE, RIGHT-OF-WAY	13300							13,300	LFT	\$6.00	\$79,800	2.2%
31	CULVERT, CIRCULAR	666							666	LFT	\$200.00	\$133,200	3.7%
32	CULVERT, 4-SIDED BOX	416							416	LFT	\$750.00	\$312,000	8.6%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	0							0	SYS	\$1,850.00	\$0	0.0%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$3,629,744							Cross Check		OK	\$3,629,744	
SEGMENT LENGTH (LFT)		6,650	0	0	0	0	0	0				1.26	MILES



LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 1																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$108,892	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$18,149	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$36,297	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$61,706	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$192,376	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$54,446	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$36,297	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$508,164.13		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$508,164	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$4,137,907.90		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$4,137,908	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$4,965,489.48		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$4,965,489	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$3,942,523.98		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$3,942,523.98	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 1																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$248,274	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$248,274	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$744,823	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$496,549	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$595,859	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$2,333,780.06		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$2,333,780	
TOTAL OVERALL COST OF PROJECT		\$7,299,269.54		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$7,299,270	
TOTAL OVERAL COST OF PROJECT PER MILE		\$5,795,510.25		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$5,795,510.25	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**LOCAL IMPROVEMENT 2 - E 22nd (Huntingburg) to SR 162**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 2											
1	COMMON EXCAVATION	94483							94,483	CYS	\$7.00	\$661,378	4.2%
2	ROCK EXCAVATION	16673							16,673	CYS	\$7.00	\$116,714	0.7%
3	BORROW	39391							39,391	CYS	\$6.00	\$236,345	1.5%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	311762							311,762	SYS	\$1.00	\$311,762	2.0%
5	SETTLEMENT PLATE	35							35	EA	\$1,100.00	\$38,005	0.2%
6	STAKE, LATERAL	35							35	EA	\$375.00	\$12,956	0.1%
7	STAKE, SETTLEMENT	35							35	EA	\$150.00	\$5,183	0.0%
8	SUBGRADE TREATMENT, TYPE IB	122844							122,844	SYS	\$6.00	\$737,067	4.7%
9	QC/QA, SURFACE, 9.5mm	8868							8,868	TON	\$80.00	\$709,427	4.5%
10	QC/QA, INTERMEDIATE, 19.0mm	27986							27,986	TON	\$62.00	\$1,735,101	11.0%
11	QC/QA, BASE, 25.0mm	30404							30,404	SYS	\$59.00	\$1,793,836	11.4%
12	JOINT ADHESIVE, SURFACE	103650							103,650	LFT	\$0.50	\$51,825	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	138200							138,200	LFT	\$0.50	\$69,100	0.4%
14	ASPHALT FOR TACK COAT	27							27	TON	\$1,000.00	\$26,872	0.2%
15	COMPACTED AGGREGATE, NO. 53	24030							24,030	TON	\$22.00	\$528,662	3.4%
16	INLET, TYPE P	35							35	EA	\$3,000.00	\$103,650	0.7%
17	PIPE, TYPE 2, 15"	1440							1,440	LFT	\$45.00	\$64,781	0.4%
18	END SECTION, 15"	35							35	EA	\$500.00	\$17,275	0.1%
19	REVTMENT RIPRAP	912							912	TON	\$30.00	\$27,369	0.2%
20	GEOTEXTILES FOR RIPRAP	1266							1,266	SYS	\$4.00	\$5,066	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	138							138	CYS	\$30.00	\$4,146	0.0%
22	SEEDING, TYPE R	9105							9,105	LBS	\$3.00	\$27,316	0.2%
23	MULCHING	89							89	TON	\$450.00	\$39,975	0.3%
24	FERTILIZER	18							18	TON	\$850.00	\$15,102	0.1%
25	UNDERDRAIN, 4"	69100							69,100	LFT	\$3.00	\$207,300	1.3%
26	AGGREGATE FOR UNDERDRAIN	6219							6,219	CYS	\$43.00	\$267,417	1.7%
27	GEOTEXTILES FOR UNDERDRAIN	31940							31,940	SYS	\$1.50	\$47,909	0.3%
28	OUTLET PROTECTOR	173							173	EA	\$900.00	\$155,475	1.0%
29	PAVEMENT MARKINGS	77738							77,738	LFT	\$1.00	\$77,738	0.5%
30	FENCE, RIGHT-OF-WAY	34550							34,550	LFT	\$6.00	\$207,300	1.3%
31	CULVERT, CIRCULAR	786							786	LFT	\$200.00	\$157,200	1.0%
32	CULVERT, 4-SIDED BOX	380							380	LFT	\$750.00	\$285,000	1.8%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	3794							3,794	SYS	\$1,850.00	\$7,019,661	44.5%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$15,763,912							<b>Cross Check OK</b>			<b>\$15,763,912</b>	
SEGMENT LENGTH (LFT)		17,275	0	0	0	0	0	0				<b>3.27</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 2																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$472,917	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$78,820	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$157,639	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$267,986	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$835,487	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$236,459	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$157,639	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$2,206,947.62		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$2,206,948	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$17,970,859.20		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$17,970,859	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$21,565,031.04		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$21,565,031	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$6,591,222.22		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$6,591,222.22	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 2																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$1,078,252	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$1,078,252	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$3,234,755	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$2,156,503	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$2,587,804	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$10,135,564.59		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$10,135,565	
TOTAL OVERALL COST OF PROJECT		\$31,700,595.63		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$31,700,596	
TOTAL OVERAL COST OF PROJECT PER MILE		\$9,689,096.67		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$9,689,096.67	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**LOCAL IMPROVEMENT 3 - SR 162 to Indiana St (Jasper)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 3											
1	COMMON EXCAVATION	74038							74,038	CYS	\$7.00	\$518,263	9.7%
2	ROCK EXCAVATION	13065							13,065	CYS	\$7.00	\$91,458	1.7%
3	BORROW	0							0	CYS	\$6.00	\$0	0.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	142698							142,698	SYS	\$1.00	\$142,698	2.7%
5	SETTLEMENT PLATE	16							16	EA	\$1,100.00	\$17,373	0.3%
6	STAKE, LATERAL	16							16	EA	\$375.00	\$5,923	0.1%
7	STAKE, SETTLEMENT	16							16	EA	\$150.00	\$2,369	0.0%
8	SUBGRADE TREATMENT, TYPE IB	78970							78,970	SYS	\$6.00	\$473,820	8.8%
9	QC/QA, SURFACE, 9.5mm	5936							5,936	TON	\$80.00	\$474,873	8.9%
10	QC/QA, INTERMEDIATE, 19.0mm	18782							18,782	TON	\$62.00	\$1,164,465	21.7%
11	QC/QA, BASE, 25.0mm	21427							21,427	SYS	\$59.00	\$1,264,204	23.6%
12	JOINT ADHESIVE, SURFACE	47382							47,382	LFT	\$0.50	\$23,691	0.4%
13	JOINT ADHESIVE, INTERMEDIATE	63176							63,176	LFT	\$0.50	\$31,588	0.6%
14	ASPHALT FOR TACK COAT	18							18	TON	\$1,000.00	\$17,988	0.3%
15	COMPACTED AGGREGATE, NO. 53	10985							10,985	TON	\$22.00	\$241,669	4.5%
16	INLET, TYPE P	16							16	EA	\$3,000.00	\$47,382	0.9%
17	PIPE, TYPE 2, 15"	890							890	LFT	\$45.00	\$40,038	0.7%
18	END SECTION, 15"	16							16	EA	\$500.00	\$7,897	0.1%
19	REVTMENT RIPRAP	552							552	TON	\$30.00	\$16,556	0.3%
20	GEOTEXTILES FOR RIPRAP	732							732	SYS	\$4.00	\$2,929	0.1%
21	STRUCTURAL BACKFILL, TYPE 1	63							63	CYS	\$30.00	\$1,895	0.0%
22	SEEDING, TYPE R	3196							3,196	LBS	\$3.00	\$9,588	0.2%
23	MULCHING	31							31	TON	\$450.00	\$14,032	0.3%
24	FERTILIZER	6							6	TON	\$850.00	\$5,301	0.1%
25	UNDERDRAIN, 4"	31588							31,588	LFT	\$3.00	\$94,764	1.8%
26	AGGREGATE FOR UNDERDRAIN	2843							2,843	CYS	\$43.00	\$122,246	2.3%
27	GEOTEXTILES FOR UNDERDRAIN	14601							14,601	SYS	\$1.50	\$21,901	0.4%
28	OUTLET PROTECTOR	79							79	EA	\$900.00	\$71,073	1.3%
29	PAVEMENT MARKINGS	35537							35,537	LFT	\$1.00	\$35,537	0.7%
30	FENCE, RIGHT-OF-WAY	15794							15,794	LFT	\$6.00	\$94,764	1.8%
31	CULVERT, CIRCULAR	161							161	LFT	\$200.00	\$32,200	0.6%
32	CULVERT, 4-SIDED BOX	365							365	LFT	\$750.00	\$273,750	5.1%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	0							0	SYS	\$1,850.00	\$0	0.0%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$5,362,235							Cross Check		OK	\$5,362,235	
SEGMENT LENGTH (LFT)		7,897	0	0	0	0	0	0				1.50	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 3																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$160,867	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$26,811	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$53,622	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$91,158	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$284,198	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$80,434	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$53,622	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$750,712.86		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$750,713	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$6,112,947.61		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$6,112,948	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$7,335,537.14		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$7,335,537	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$4,904,601.25		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$4,904,601.25	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 3																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$366,777	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$366,777	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$1,100,331	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$733,554	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$880,264	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$3,447,702.45		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$3,447,702	
TOTAL OVERALL COST OF PROJECT		\$10,783,239.59		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$10,783,240	
TOTAL OVERAL COST OF PROJECT PER MILE		\$7,209,763.84		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$7,209,763.84	



**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**LOCAL IMPROVEMENT 5 - 47th St (Jasper) to W 600 N**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 5											
1	COMMON EXCAVATION	446608							446,608	CYS	\$7.00	\$3,126,255	32.9%
2	ROCK EXCAVATION	78813							78,813	CYS	\$7.00	\$551,692	5.8%
3	BORROW	0							0	CYS	\$6.00	\$0	0.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	209374							209,374	SYS	\$1.00	\$209,374	2.2%
5	SETTLEMENT PLATE	26							26	EA	\$1,100.00	\$28,600	0.3%
6	STAKE, LATERAL	26							26	EA	\$375.00	\$9,750	0.1%
7	STAKE, SETTLEMENT	26							26	EA	\$150.00	\$3,900	0.0%
8	SUBGRADE TREATMENT, TYPE IB	92444							92,444	SYS	\$6.00	\$554,667	5.8%
9	QC/QA, SURFACE, 9.5mm	6673							6,673	TON	\$80.00	\$533,867	5.6%
10	QC/QA, INTERMEDIATE, 19.0mm	21060							21,060	TON	\$62.00	\$1,305,720	13.8%
11	QC/QA, BASE, 25.0mm	22880							22,880	SYS	\$59.00	\$1,349,920	14.2%
12	JOINT ADHESIVE, SURFACE	78000							78,000	LFT	\$0.50	\$39,000	0.4%
13	JOINT ADHESIVE, INTERMEDIATE	104000							104,000	LFT	\$0.50	\$52,000	0.5%
14	ASPHALT FOR TACK COAT	20							20	TON	\$1,000.00	\$20,222	0.2%
15	COMPACTED AGGREGATE, NO. 53	18083							18,083	TON	\$22.00	\$397,835	4.2%
16	INLET, TYPE P	26							26	EA	\$3,000.00	\$78,000	0.8%
17	PIPE, TYPE 2, 15"	1153							1,153	LFT	\$45.00	\$51,870	0.5%
18	END SECTION, 15"	26							26	EA	\$500.00	\$13,000	0.1%
19	REVTMENT RIPRAP	781							781	TON	\$30.00	\$23,420	0.2%
20	GEOTEXTILES FOR RIPRAP	1065							1,065	SYS	\$4.00	\$4,261	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	104							104	CYS	\$30.00	\$3,120	0.0%
22	SEEDING, TYPE R	5629							5,629	LBS	\$3.00	\$16,886	0.2%
23	MULCHING	55							55	TON	\$450.00	\$24,711	0.3%
24	FERTILIZER	11							11	TON	\$850.00	\$9,335	0.1%
25	UNDERDRAIN, 4"	52000							52,000	LFT	\$3.00	\$156,000	1.6%
26	AGGREGATE FOR UNDERDRAIN	4680							4,680	CYS	\$43.00	\$201,240	2.1%
27	GEOTEXTILES FOR UNDERDRAIN	24036							24,036	SYS	\$1.50	\$36,053	0.4%
28	OUTLET PROTECTOR	130							130	EA	\$900.00	\$117,000	1.2%
29	PAVEMENT MARKINGS	58500							58,500	LFT	\$1.00	\$58,500	0.6%
30	FENCE, RIGHT-OF-WAY	26000							26,000	LFT	\$6.00	\$156,000	1.6%
31	CULVERT, CIRCULAR	434							434	LFT	\$200.00	\$86,800	0.9%
32	CULVERT, 4-SIDED BOX	364							364	LFT	\$750.00	\$273,000	2.9%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	0							0	SYS	\$1,850.00	\$0	0.0%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$9,491,998							<b>Cross Check OK</b>			<b>\$9,491,998</b>	
SEGMENT LENGTH (LFT)		13,000	0	0	0	0	0	0				<b>2.46</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 5																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$284,760	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$47,460	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$94,920	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$161,364	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$503,076	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$142,380	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$94,920	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$1,328,879.71		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$1,328,880	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$10,820,877.65		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$10,820,878	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$12,985,053.18		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$12,985,053	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$5,273,929.29		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$5,273,929.29	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 5																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$649,253	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$649,253	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$1,947,758	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$1,298,505	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$1,558,206	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$6,102,974.99		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$6,102,975	
TOTAL OVERALL COST OF PROJECT		\$19,088,028.17		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$19,088,028	
TOTAL OVERAL COST OF PROJECT PER MILE		\$7,752,676.06		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$7,752,676.06	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**LOCAL IMPROVEMENT 6 - Near Alfordsville**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 6											
1	COMMON EXCAVATION	269456							269,456	CYS	\$7.00	\$1,886,191	20.5%
2	ROCK EXCAVATION	67364							67,364	CYS	\$7.00	\$471,548	5.1%
3	BORROW	0							0	CYS	\$6.00	\$0	0.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	358170							358,170	SYS	\$1.00	\$358,170	3.9%
5	SETTLEMENT PLATE	28							28	EA	\$1,100.00	\$30,800	0.3%
6	STAKE, LATERAL	28							28	EA	\$375.00	\$10,500	0.1%
7	STAKE, SETTLEMENT	28							28	EA	\$150.00	\$4,200	0.0%
8	SUBGRADE TREATMENT, TYPE IB	113307							113,307	SYS	\$6.00	\$679,840	7.4%
9	QC/QA, SURFACE, 9.5mm	8834							8,834	TON	\$80.00	\$706,757	7.7%
10	QC/QA, INTERMEDIATE, 19.0mm	27830							27,830	TON	\$62.00	\$1,725,439	18.8%
11	QC/QA, BASE, 25.0mm	29178							29,178	SYS	\$59.00	\$1,721,494	18.7%
12	JOINT ADHESIVE, SURFACE	56980							56,980	LFT	\$0.50	\$28,490	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	71960							71,960	LFT	\$0.50	\$35,980	0.4%
14	ASPHALT FOR TACK COAT	27							27	TON	\$1,000.00	\$26,771	0.3%
15	COMPACTED AGGREGATE, NO. 53	15135							15,135	TON	\$22.00	\$332,960	3.6%
16	INLET, TYPE P	0							0	EA	\$3,000.00	\$0	0.0%
17	PIPE, TYPE 2, 15"	0							0	LFT	\$45.00	\$0	0.0%
18	END SECTION, 15"	0							0	EA	\$500.00	\$0	0.0%
19	REVTMENT RIPRAP	1006							1,006	TON	\$30.00	\$30,187	0.3%
20	GEOTEXTILES FOR RIPRAP	1268							1,268	SYS	\$4.00	\$5,070	0.1%
21	STRUCTURAL BACKFILL, TYPE 1	0							0	CYS	\$30.00	\$0	0.0%
22	SEEDING, TYPE R	11991							11,991	LBS	\$3.00	\$35,974	0.4%
23	MULCHING	117							117	TON	\$450.00	\$52,645	0.6%
24	FERTILIZER	23							23	TON	\$850.00	\$19,888	0.2%
25	UNDERDRAIN, 4"	28000							28,000	LFT	\$3.00	\$84,000	0.9%
26	AGGREGATE FOR UNDERDRAIN	2520							2,520	CYS	\$43.00	\$108,360	1.2%
27	GEOTEXTILES FOR UNDERDRAIN	12942							12,942	SYS	\$1.50	\$19,413	0.2%
28	OUTLET PROTECTOR	70							70	EA	\$900.00	\$63,000	0.7%
29	PAVEMENT MARKINGS	102480							102,480	LFT	\$1.00	\$102,480	1.1%
30	FENCE, RIGHT-OF-WAY	28000							28,000	LFT	\$6.00	\$168,000	1.8%
31	CULVERT, CIRCULAR	1115							1,115	LFT	\$200.00	\$223,000	2.4%
32	CULVERT, 4-SIDED BOX	335							335	LFT	\$750.00	\$251,250	2.7%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	0							0	SYS	\$1,850.00	\$0	0.0%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$9,182,406							<b>Cross Check OK</b>			<b>\$9,182,406</b>	
SEGMENT LENGTH (LFT)		14,000	0	0	0	0	0	0				<b>2.65</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 6																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$275,472	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$45,912	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$91,824	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$156,101	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$486,668	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$137,736	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$91,824	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$1,285,536.87		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$1,285,537	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$10,467,943.11		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$10,467,943	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$12,561,531.73		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$12,561,532	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$4,737,491.97		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$4,737,491.97	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 6																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$628,077	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$628,077	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$1,884,230	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$1,256,153	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$1,507,384	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$5,903,919.91		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$5,903,920	
TOTAL OVERALL COST OF PROJECT		\$18,465,451.64		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$18,465,452	
TOTAL OVERAL COST OF PROJECT PER MILE		\$6,964,113.19		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$6,964,113.19	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**LOCAL IMPROVEMENT 7 - 335' N of E 200 S to 775' N of E 100 S**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 7											
1	COMMON EXCAVATION	51378							51,378	CYS	\$7.00	\$359,648	6.1%
2	ROCK EXCAVATION	9067							9,067	CYS	\$7.00	\$63,467	1.1%
3	BORROW	0							0	CYS	\$6.00	\$0	0.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	114749							114,749	SYS	\$1.00	\$114,749	1.9%
5	SETTLEMENT PLATE	12							12	EA	\$1,100.00	\$13,108	0.2%
6	STAKE, LATERAL	12							12	EA	\$375.00	\$4,469	0.1%
7	STAKE, SETTLEMENT	12							12	EA	\$150.00	\$1,787	0.0%
8	SUBGRADE TREATMENT, TYPE IB	42368							42,368	SYS	\$6.00	\$254,208	4.3%
9	QC/QA, SURFACE, 9.5mm	3058							3,058	TON	\$80.00	\$244,675	4.1%
10	QC/QA, INTERMEDIATE, 19.0mm	9652							9,652	TON	\$62.00	\$598,422	10.1%
11	QC/QA, BASE, 25.0mm	10486							10,486	SYS	\$59.00	\$618,679	10.4%
12	JOINT ADHESIVE, SURFACE	35748							35,748	LFT	\$0.50	\$17,874	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	47664							47,664	LFT	\$0.50	\$23,832	0.4%
14	ASPHALT FOR TACK COAT	9							9	TON	\$1,000.00	\$9,268	0.2%
15	COMPACTED AGGREGATE, NO. 53	8288							8,288	TON	\$22.00	\$182,331	3.1%
16	INLET, TYPE P	12							12	EA	\$3,000.00	\$35,748	0.6%
17	PIPE, TYPE 2, 15"	588							588	LFT	\$45.00	\$26,454	0.4%
18	END SECTION, 15"	12							12	EA	\$500.00	\$5,958	0.1%
19	REVTMENT RIPRAP	60							60	TON	\$30.00	\$1,787	0.0%
20	GEOTEXTILES FOR RIPRAP	119							119	SYS	\$4.00	\$477	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	48							48	CYS	\$30.00	\$1,430	0.0%
22	SEEDING, TYPE R	3421							3,421	LBS	\$3.00	\$10,262	0.2%
23	MULCHING	33							33	TON	\$450.00	\$15,018	0.3%
24	FERTILIZER	7							7	TON	\$850.00	\$5,674	0.1%
25	UNDERDRAIN, 4"	23832							23,832	LFT	\$3.00	\$71,496	1.2%
26	AGGREGATE FOR UNDERDRAIN	2145							2,145	CYS	\$43.00	\$92,230	1.6%
27	GEOTEXTILES FOR UNDERDRAIN	11016							11,016	SYS	\$1.50	\$16,524	0.3%
28	OUTLET PROTECTOR	60							60	EA	\$900.00	\$53,622	0.9%
29	PAVEMENT MARKINGS	26811							26,811	LFT	\$1.00	\$26,811	0.5%
30	FENCE, RIGHT-OF-WAY	11916							11,916	LFT	\$6.00	\$71,496	1.2%
31	CULVERT, CIRCULAR	0							0	LFT	\$200.00	\$0	0.0%
32	CULVERT, 4-SIDED BOX	0							0	LFT	\$750.00	\$0	0.0%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	1622							1,622	SYS	\$1,850.00	\$3,001,066	50.5%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$5,942,567							<b>Cross Check OK</b>			<b>\$5,942,567</b>	
SEGMENT LENGTH (LFT)		5,958	0	0	0	0	0	0				<b>1.13</b>	MILES



LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 7																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$178,277	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$29,713	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$59,426	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$101,024	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$314,956	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$89,139	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$59,426	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$831,959.45		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$831,959	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$6,774,526.94		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$6,774,527	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$8,129,432.32		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$8,129,432	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$7,204,330.76		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$7,204,330.76	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 7																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$406,472	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$406,472	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$1,219,415	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$812,943	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$975,532	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$3,820,833.19		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$3,820,833	
TOTAL OVERALL COST OF PROJECT		\$11,950,265.52		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$11,950,266	
TOTAL OVERAL COST OF PROJECT PER MILE		\$10,590,366.22		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$10,590,366.22	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES LOCAL  
IMPROVEMENT 8 - 675' S of E 350 N to 1400' S of Half Moon Rd**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 8											
1	COMMON EXCAVATION	31581							31,581	CYS	\$7.00	\$221,066	7.0%
2	ROCK EXCAVATION	5573							5,573	CYS	\$7.00	\$39,012	1.2%
3	BORROW	0							0	CYS	\$6.00	\$0	0.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	75307							75,307	SYS	\$1.00	\$75,307	2.4%
5	SETTLEMENT PLATE	9							9	EA	\$1,100.00	\$9,878	0.3%
6	STAKE, LATERAL	9							9	EA	\$375.00	\$3,368	0.1%
7	STAKE, SETTLEMENT	9							9	EA	\$150.00	\$1,347	0.0%
8	SUBGRADE TREATMENT, TYPE IB	31929							31,929	SYS	\$6.00	\$191,573	6.1%
9	QC/QA, SURFACE, 9.5mm	2305							2,305	TON	\$80.00	\$184,389	5.9%
10	QC/QA, INTERMEDIATE, 19.0mm	7274							7,274	TON	\$62.00	\$450,976	14.3%
11	QC/QA, BASE, 25.0mm	7902							7,902	SYS	\$59.00	\$466,242	14.8%
12	JOINT ADHESIVE, SURFACE	26940							26,940	LFT	\$0.50	\$13,470	0.4%
13	JOINT ADHESIVE, INTERMEDIATE	35920							35,920	LFT	\$0.50	\$17,960	0.6%
14	ASPHALT FOR TACK COAT	7							7	TON	\$1,000.00	\$6,984	0.2%
15	COMPACTED AGGREGATE, NO. 53	6246							6,246	TON	\$22.00	\$137,406	4.4%
16	INLET, TYPE P	9							9	EA	\$3,000.00	\$26,940	0.9%
17	PIPE, TYPE 2, 15"	413							413	LFT	\$45.00	\$18,589	0.6%
18	END SECTION, 15"	9							9	EA	\$500.00	\$4,490	0.1%
19	REVTMENT RIPRAP	45							45	TON	\$30.00	\$1,347	0.0%
20	GEOTEXTILES FOR RIPRAP	90							90	SYS	\$4.00	\$359	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	36							36	CYS	\$30.00	\$1,078	0.0%
22	SEEDING, TYPE R	2155							2,155	LBS	\$3.00	\$6,466	0.2%
23	MULCHING	21							21	TON	\$450.00	\$9,462	0.3%
24	FERTILIZER	4							4	TON	\$850.00	\$3,575	0.1%
25	UNDERDRAIN, 4"	17960							17,960	LFT	\$3.00	\$53,880	1.7%
26	AGGREGATE FOR UNDERDRAIN	1616							1,616	CYS	\$43.00	\$69,505	2.2%
27	GEOTEXTILES FOR UNDERDRAIN	8302							8,302	SYS	\$1.50	\$12,452	0.4%
28	OUTLET PROTECTOR	45							45	EA	\$900.00	\$40,410	1.3%
29	PAVEMENT MARKINGS	20205							20,205	LFT	\$1.00	\$20,205	0.6%
30	FENCE, RIGHT-OF-WAY	8980							8,980	LFT	\$6.00	\$53,880	1.7%
31	CULVERT, CIRCULAR	0							0	LFT	\$200.00	\$0	0.0%
32	CULVERT, 4-SIDED BOX	0							0	LFT	\$750.00	\$0	0.0%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	543							543	SYS	\$1,850.00	\$1,004,649	31.9%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$3,146,264							<b>Cross Check OK</b>			<b>\$3,146,264</b>	
SEGMENT LENGTH (LFT)		4,490	0	0	0	0	0	0				<b>0.85</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 8																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$94,388	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$15,731	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$31,463	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$53,486	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$166,752	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$47,194	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$31,463	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$440,477.03		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$440,477	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$3,586,741.52		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$3,586,742	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$4,304,089.82		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$4,304,090	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$5,061,379.57		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$5,061,379.57	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 8																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$215,204	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$215,204	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$645,613	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$430,409	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$516,491	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$2,022,922.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$2,022,922	
TOTAL OVERALL COST OF PROJECT		\$6,327,012.04		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$6,327,012	
TOTAL OVERAL COST OF PROJECT PER MILE		\$7,440,227.96		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$7,440,227.96	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**LOCAL IMPROVEMENT 9 - 2400' SR 558 to I 69**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 9											
1	COMMON EXCAVATION	37026							37,026	CYS	\$7.00	\$259,182	6.0%
2	ROCK EXCAVATION	6534							6,534	CYS	\$7.00	\$45,738	1.1%
3	BORROW	0							0	CYS	\$6.00	\$0	0.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	159046							159,046	SYS	\$1.00	\$159,046	3.7%
5	SETTLEMENT PLATE	17							17	EA	\$1,100.00	\$19,140	0.4%
6	STAKE, LATERAL	17							17	EA	\$375.00	\$6,525	0.2%
7	STAKE, SETTLEMENT	17							17	EA	\$150.00	\$2,610	0.1%
8	SUBGRADE TREATMENT, TYPE IB	61867							61,867	SYS	\$6.00	\$371,200	8.6%
9	QC/QA, SURFACE, 9.5mm	4466							4,466	TON	\$80.00	\$357,280	8.3%
10	QC/QA, INTERMEDIATE, 19.0mm	14094							14,094	TON	\$62.00	\$873,828	20.2%
11	QC/QA, BASE, 25.0mm	15312							15,312	SYS	\$59.00	\$903,408	20.9%
12	JOINT ADHESIVE, SURFACE	52200							52,200	LFT	\$0.50	\$26,100	0.6%
13	JOINT ADHESIVE, INTERMEDIATE	69600							69,600	LFT	\$0.50	\$34,800	0.8%
14	ASPHALT FOR TACK COAT	14							14	TON	\$1,000.00	\$13,533	0.3%
15	COMPACTED AGGREGATE, NO. 53	12102							12,102	TON	\$22.00	\$266,243	6.2%
16	INLET, TYPE P	17							17	EA	\$3,000.00	\$52,200	1.2%
17	PIPE, TYPE 2, 15"	829							829	LFT	\$45.00	\$37,323	0.9%
18	END SECTION, 15"	17							17	EA	\$500.00	\$8,700	0.2%
19	REVTMENT RIPRAP	723							723	TON	\$30.00	\$21,703	0.5%
20	GEOTEXTILES FOR RIPRAP	981							981	SYS	\$4.00	\$3,924	0.1%
21	STRUCTURAL BACKFILL, TYPE 1	70							70	CYS	\$30.00	\$2,088	0.0%
22	SEEDING, TYPE R	4586							4,586	LBS	\$3.00	\$13,757	0.3%
23	MULCHING	45							45	TON	\$450.00	\$20,132	0.5%
24	FERTILIZER	9							9	TON	\$850.00	\$7,606	0.2%
25	UNDERDRAIN, 4"	34800							34,800	LFT	\$3.00	\$104,400	2.4%
26	AGGREGATE FOR UNDERDRAIN	3132							3,132	CYS	\$43.00	\$134,676	3.1%
27	GEOTEXTILES FOR UNDERDRAIN	16085							16,085	SYS	\$1.50	\$24,128	0.6%
28	OUTLET PROTECTOR	87							87	EA	\$900.00	\$78,300	1.8%
29	PAVEMENT MARKINGS	39150							39,150	LFT	\$1.00	\$39,150	0.9%
30	FENCE, RIGHT-OF-WAY	17400							17,400	LFT	\$6.00	\$104,400	2.4%
31	CULVERT, CIRCULAR	860							860	LFT	\$200.00	\$172,000	4.0%
32	CULVERT, 4-SIDED BOX	210							210	LFT	\$750.00	\$157,500	3.6%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	0							0	SYS	\$1,850.00	\$0	0.0%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$4,320,621							<b>Cross Check OK</b>			<b>\$4,320,621</b>	
SEGMENT LENGTH (LFT)		8,700	0	0	0	0	0	0				<b>1.65</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 9																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$129,619	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$21,603	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$43,206	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$73,451	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$228,993	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$64,809	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$43,206	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$604,886.98		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$604,887	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$4,925,508.29		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$4,925,508	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$5,910,609.95		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$5,910,610	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$3,587,128.80		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$3,587,128.80	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 9																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$295,530	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$295,530	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$886,591	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$591,061	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$709,273	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$2,777,986.68		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$2,777,987	
TOTAL OVERALL COST OF PROJECT		\$8,688,596.63		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$8,688,597	
TOTAL OVERAL COST OF PROJECT PER MILE		\$5,273,079.34		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$5,273,079.34	



**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**ALTERNATIVE C3E (Section 2 Eastern Bypass)**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	2	3	15								
1	COMMON EXCAVATION	4,280,852	1,029,169	310,665	3,092,792				8,713,478	CYS	\$7.00	\$60,994,349	25.3%
2	ROCK EXCAVATION	1,070,213	257,292	77,666	773,198				2,178,370	CYS	\$7.00	\$15,248,587	6.3%
3	BORROW	309,619	0	207,209	0				516,828	CYS	\$6.00	\$3,100,966	1.3%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	2,420,680	553,345	229,647	2,378,486				5,582,158	SYS	\$1.00	\$5,582,158	2.3%
5	SETTLEMENT PLATE	230	61	18	197				505	EA	\$1,100.00	\$555,982	0.2%
6	STAKE, LATERAL	230	61	18	197				505	EA	\$375.00	\$189,539	0.1%
7	STAKE, SETTLEMENT	230	61	18	197				505	EA	\$150.00	\$75,816	0.0%
8	SUBGRADE TREATMENT, TYPE IB	840,181	212,857	63,947	705,746				1,822,731	SYS	\$6.00	\$10,936,384	4.5%
9	QC/QA, SURFACE, 9.5mm	61,536	15,601	4,675	51,476				133,288	TON	\$80.00	\$10,663,022	4.4%
10	QC/QA, INTERMEDIATE, 19.0mm	194,502	49,330	14,777	162,644				421,253	TON	\$62.00	\$26,117,711	10.9%
11	QC/QA, BASE, 25.0mm	217,671	55,604	16,543	180,765				470,582	SYS	\$59.00	\$27,764,332	11.5%
12	JOINT ADHESIVE, SURFACE	664,823	163,298	50,080	565,358				1,443,559	LFT	\$0.50	\$721,780	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	923,359	226,784	69,070	775,274				1,994,487	LFT	\$0.50	\$997,244	0.4%
14	ASPHALT FOR TACK COAT	186	47	14	156				404	TON	\$1,000.00	\$403,902	0.2%
15	COMPACTED AGGREGATE, NO. 53	143,337	35,515	11,002	125,046				314,900	TON	\$22.00	\$6,927,799	2.9%
16	INLET, TYPE P	0	0	0	171				171	EA	\$3,000.00	\$514,309	0.2%
17	PIPE, TYPE 2, 15"	1	1	0	10,455				10,458	LFT	\$45.00	\$470,588	0.2%
18	END SECTION, 15"	0	0	0	171				171	EA	\$500.00	\$85,718	0.0%
19	REVTMENT RIPRAP	6,788	2,350	178	5,781				15,097	TON	\$30.00	\$452,914	0.2%
20	GEOTEXTILES FOR RIPRAP	8,398	2,873	231	7,812				19,314	SYS	\$4.00	\$77,257	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	0	5	2	41,821				41,828	CYS	\$30.00	\$1,254,834	0.5%
22	SEEDING, TYPE R	84,507	20,007	8,581	81,602				194,697	LBS	\$3.00	\$584,091	0.2%
23	MULCHING	824	195	84	796				1,899	TON	\$450.00	\$854,768	0.4%
24	FERTILIZER	165	39	17	159				380	TON	\$850.00	\$322,912	0.1%
25	UNDERDRAIN, 4"	424,302	106,892	32,760	368,092				932,046	LFT	\$3.00	\$2,796,138	1.2%
26	AGGREGATE FOR UNDERDRAIN	38,187	9,620	2,948	33,128				83,884	CYS	\$43.00	\$3,607,018	1.5%
27	GEOTEXTILES FOR UNDERDRAIN	196,122	49,408	15,142	170,140				430,812	SYS	\$1.50	\$646,219	0.3%
28	OUTLET PROTECTOR	1,061	267	82	920				2,330	EA	\$900.00	\$2,097,104	0.9%
29	PAVEMENT MARKINGS	609,296	149,764	44,058	474,761				1,277,878	LFT	\$1.00	\$1,277,878	0.5%
30	FENCE, RIGHT-OF-WAY	230,166	60,526	18,050	196,696				505,438	LFT	\$6.00	\$3,032,628	1.3%
31	CULVERT, CIRCULAR	7,407	1,635	600	4,995				14,637	LFT	\$200.00	\$2,927,400	1.2%
32	CULVERT, 4-SIDED BOX	5,215	1,739	0	3,090				10,044	LFT	\$750.00	\$7,533,000	3.1%
33	CULVERT, 3-SIDED BOX	0	0	0	0				0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	10,339	487	5,848	5,953				22,627	SYS	\$1,850.00	\$41,860,361	17.4%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$112,785,264	\$23,902,987	\$18,683,335	\$85,303,120	\$0	\$0	\$0	<b>Cross Check</b>		<b>OK</b>	<b>\$240,674,706</b>	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	85,698	0	0	0				<b>40.40</b>	MILES

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**OVERALL LOCAL IMPROVEMENTS (LI-10 TO LI-18)**

QUANTIFIED CONSTRUCTION COST ITEMS															
ITEM #	DESCRIPTION	SEGMENT NUMBER									TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 10	LI - 11	LI - 12	LI - 13	LI - 14	LI - 15	LI - 16	LI - 17	LI - 18					
1	COMMON EXCAVATION	54366	98104	49360	285405	162270	160658	82415	29,554	25,916	948,048	CYS	\$7.00	\$6,636,336	12.7%
2	ROCK EXCAVATION	13592	24526	12340	71351	40567	40164	20604	7,389	6,479	237,012	CYS	\$7.00	\$1,659,084	3.2%
3	BORROW	0	0	0	0	0	0	0	27,961	5,817	33,778	CYS	\$6.00	\$202,667	0.4%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	145618	147251	125568	212142	156663	161743	109323	131,102	97,218	1,286,628	SYS	\$1.00	\$1,286,628	2.5%
5	SETTLEMENT PLATE	21	13	18	21	12	18	11	15	11	141	EA	\$1,100.00	\$154,917	0.3%
6	STAKE, LATERAL	21	13	18	21	12	18	11	15	11	141	EA	\$375.00	\$52,813	0.1%
7	STAKE, SETTLEMENT	21	13	18	21	12	18	11	15	11	141	EA	\$150.00	\$21,125	0.0%
8	SUBGRADE TREATMENT, TYPE IB	76430	45511	62485	74816	43982	63509	40178	53,333	40,498	500,743	SYS	\$6.00	\$3,004,459	5.8%
9	QC/QA, SURFACE, 9.5mm	5517	3285	4511	5401	3175	4585	2900	3,850	2,923	36,147	TON	\$80.00	\$2,891,791	5.5%
10	QC/QA, INTERMEDIATE, 19.0mm	17412	10368	14235	17044	10020	14468	9153	12,150	9,226	114,076	TON	\$62.00	\$7,072,683	13.6%
11	QC/QA, BASE, 25.0mm	18916	11264	15465	18517	10886	15719	9944	13,200	10,023	123,934	SYS	\$59.00	\$7,312,101	14.0%
12	JOINT ADHESIVE, SURFACE	64488	38400	52722	63126	37110	53586	33900	45,000	34,170	422,502	LFT	\$0.50	\$211,251	0.4%
13	JOINT ADHESIVE, INTERMEDIATE	85984	51200	70296	84168	49480	71448	45200	60,000	45,560	563,336	LFT	\$0.50	\$281,668	0.5%
14	ASPHALT FOR TACK COAT	17	10	14	16	10	14	9	12	9	110	TON	\$1,000.00	\$109,538	0.2%
15	COMPACTED AGGREGATE, NO. 53	14951	8903	12223	14635	8604	12423	7859	10,433	7,922	97,952	TON	\$22.00	\$2,154,950	4.1%
16	INLET, TYPE P	21	13	18	21	12	18	11	15	11	141	EA	\$3,000.00	\$422,502	0.8%
17	PIPE, TYPE 2, 15"	1010	619	615	947	639	744	490	600	456	6,120	LFT	\$45.00	\$275,382	0.5%
18	END SECTION, 15"	21	13	18	21	12	18	11	15	11	141	EA	\$500.00	\$70,417	0.1%
19	REVTMENT RIPRAP	388	1099	369	489	62	281	249	75	249	3,261	TON	\$30.00	\$97,818	0.2%
20	GEOTEXTILES FOR RIPRAP	560	1392	521	669	124	408	342	150	343	4,509	SYS	\$4.00	\$18,035	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	4041	2475	2460	3788	2556	2977	1959	2,400	1,822	24,478	CYS	\$30.00	\$734,351	1.4%
22	SEEDING, TYPE R	3642	4578	2977	6536	5006	4707	3244	3,600	2,734	37,025	LBS	\$3.00	\$111,075	0.2%
23	MULCHING	36	45	29	64	49	46	32	35	27	361	TON	\$450.00	\$162,549	0.3%
24	FERTILIZER	7	9	6	13	10	9	6	7	5	72	TON	\$850.00	\$61,407	0.1%
25	UNDERDRAIN, 4"	42992	25600	35148	42084	24740	35724	22600	30,000	22,780	281,668	LFT	\$3.00	\$845,004	1.6%
26	AGGREGATE FOR UNDERDRAIN	3869	2304	3163	3788	2227	3215	2034	2,700	2,050	25,350	CYS	\$43.00	\$1,090,055	2.1%
27	GEOTEXTILES FOR UNDERDRAIN	19872	11833	16246	19452	11435	16512	10446	13,867	10,529	130,193	SYS	\$1.50	\$195,290	0.4%
28	OUTLET PROTECTOR	107	64	88	105	62	89	57	75	57	704	EA	\$900.00	\$633,753	1.2%
29	PAVEMENT MARKINGS	48366	28800	39542	47345	27833	40190	25425	33,750	25,628	316,877	LFT	\$1.00	\$316,877	0.6%
30	FENCE, RIGHT-OF-WAY	21496	12800	17574	21042	12370	17862	11300	15,000	11,390	140,834	LFT	\$6.00	\$845,004	1.6%
31	CULVERT, CIRCULAR	156	405	127	0	0	0	0	0	0	688	LFT	\$200.00	\$137,600	0.3%
32	CULVERT, 4-SIDED BOX	121	875	135	322	0	177	182	0	344	2,156	LFT	\$750.00	\$1,617,000	3.1%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0	0	0	0	0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	0	0	787	0	2715	0	494	731	1,490	6,217	SYS	\$1,850.00	\$11,501,939	22.0%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$5,182,665	\$4,441,265	\$5,735,976	\$7,320,258	\$9,184,659	\$5,387,161	\$4,221,855	\$4,993,122	\$5,721,110	<b>Cross Check OK</b>		<b>\$52,188,070</b>		
SEGMENT LENGTH (LFT)		10,748	6,400	8,787	10,521	6,185	8,931	5,650	7,500	5,695			<b>13.34</b>		MILES

LUMP SUM CONSTRUCTION COST ITEMS																								
ITEM #	DESCRIPTION	SEGMENT NUMBER																		TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 10		LI - 11		LI - 12		LI - 13		LI - 14		LI - 15		LI - 16		LI - 17		LI - 18						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$1,565,642	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	1	0.5%	N/A	LS	N/A	\$260,940	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	LS	N/A	\$521,881	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	1	1.7%	N/A	LS	N/A	\$887,197	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	1	5.3%	N/A	LS	N/A	\$2,765,968	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	1	1.5%	N/A	LS	N/A	\$782,821	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	N/A	DOL	N/A	\$521,881	1.0%
B-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$725,573.04		\$621,777.11		\$803,036.59		\$1,024,836.06		\$1,285,852.32		\$754,202.55		\$591,059.74		\$699,037.02		\$800,955.33		Cross Check		OK	\$7,306,330	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$5,908,237.59		\$5,063,042.20		\$6,539,012.22		\$8,345,093.62		\$10,470,511.77		\$6,141,363.61		\$4,812,915.04		\$5,692,158.60		\$6,522,064.86		Cross Check		OK	\$59,494,399	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$7,089,885.10		\$6,075,650.64		\$7,846,814.66		\$10,014,112.34		\$12,564,614.13		\$7,369,636.33		\$5,775,498.04		\$6,830,590.31		\$7,826,477.83		Cross Check		OK	\$71,393,279	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$3,482,935.74		\$5,012,411.78		\$4,715,054.22		\$5,025,616.69		#REF!		\$6,291,298.27		\$3,414,469.79		\$4,808,735.58		\$7,256,155.04					\$5,353,203.28	

ITEM #	DESCRIPTION	SEGMENT NUMBER																		TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 10		LI - 11		LI - 12		LI - 13		LI - 14		LI - 15		LI - 16		LI - 17		LI - 18						
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$3,569,664	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$3,569,664	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$10,708,992	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$7,139,328	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$8,567,194	12.0%
																				N/A	LS	N/A	\$0	0.0%
																				N/A	LS	N/A	\$0	0.0%
																				N/A	LS	N/A	\$0	0.0%
																				N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$3,332,246.00		\$2,855,555.80		\$3,688,002.89		\$4,706,632.80		\$5,905,368.64		\$3,463,729.08		\$2,714,484.08		\$3,210,377.45		\$3,678,444.58		Cross Check		OK	\$33,554,841	
TOTAL OVERALL COST OF PROJECT		\$10,422,131.10		\$8,931,206.45		\$11,534,817.56		\$14,720,745.14		\$18,469,982.77		\$10,833,365.41		\$8,489,982.13		\$10,040,967.76		\$11,504,922.41		Cross Check		OK	\$104,948,121	
TOTAL OVERAL COST OF PROJECT PER MILE		\$5,119,915.54		\$7,368,245.32		\$6,931,129.70		\$7,387,656.53		\$15,767,422.64		\$6,404,676.89		\$7,934,001.00		\$7,068,841.30		\$10,666,547.90					\$7,869,208.82	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**Local Improvement 10 - SR 56 West of Ireland**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 10											
1	COMMON EXCAVATION	54366							54,366	CYS	\$7.00	\$380,565	7.3%
2	ROCK EXCAVATION	13592							13,592	CYS	\$7.00	\$95,141	1.8%
3	BORROW	0							0	CYS	\$6.00	\$0	0.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	145618							145,618	SYS	\$1.00	\$145,618	2.8%
5	SETTLEMENT PLATE	21							21	EA	\$1,100.00	\$23,646	0.5%
6	STAKE, LATERAL	21							21	EA	\$375.00	\$8,061	0.2%
7	STAKE, SETTLEMENT	21							21	EA	\$150.00	\$3,224	0.1%
8	SUBGRADE TREATMENT, TYPE IB	76430							76,430	SYS	\$6.00	\$458,581	8.8%
9	QC/QA, SURFACE, 9.5mm	5517							5,517	TON	\$80.00	\$441,385	8.5%
10	QC/QA, INTERMEDIATE, 19.0mm	17412							17,412	TON	\$62.00	\$1,079,529	20.8%
11	QC/QA, BASE, 25.0mm	18916							18,916	SYS	\$59.00	\$1,116,072	21.5%
12	JOINT ADHESIVE, SURFACE	64488							64,488	LFT	\$0.50	\$32,244	0.6%
13	JOINT ADHESIVE, INTERMEDIATE	85984							85,984	LFT	\$0.50	\$42,992	0.8%
14	ASPHALT FOR TACK COAT	17							17	TON	\$1,000.00	\$16,719	0.3%
15	COMPACTED AGGREGATE, NO. 53	14951							14,951	TON	\$22.00	\$328,918	6.3%
16	INLET, TYPE P	21							21	EA	\$3,000.00	\$64,488	1.2%
17	PIPE, TYPE 2, 15"	1010							1,010	LFT	\$45.00	\$45,464	0.9%
18	END SECTION, 15"	21							21	EA	\$500.00	\$10,748	0.2%
19	REVTMENT RIPRAP	388							388	TON	\$30.00	\$11,651	0.2%
20	GEOTEXTILES FOR RIPRAP	560							560	SYS	\$4.00	\$2,239	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	4041							4,041	CYS	\$30.00	\$121,237	2.3%
22	SEEDING, TYPE R	3642							3,642	LBS	\$3.00	\$10,926	0.2%
23	MULCHING	36							36	TON	\$450.00	\$15,989	0.3%
24	FERTILIZER	7							7	TON	\$850.00	\$6,040	0.1%
25	UNDERDRAIN, 4"	42992							42,992	LFT	\$3.00	\$128,976	2.5%
26	AGGREGATE FOR UNDERDRAIN	3869							3,869	CYS	\$43.00	\$166,379	3.2%
27	GEOTEXTILES FOR UNDERDRAIN	19872							19,872	SYS	\$1.50	\$29,808	0.6%
28	OUTLET PROTECTOR	107							107	EA	\$900.00	\$96,732	1.9%
29	PAVEMENT MARKINGS	48366							48,366	LFT	\$1.00	\$48,366	0.9%
30	FENCE, RIGHT-OF-WAY	21496							21,496	LFT	\$6.00	\$128,976	2.5%
31	CULVERT, CIRCULAR	156							156	LFT	\$200.00	\$31,200	0.6%
32	CULVERT, 4-SIDED BOX	121							121	LFT	\$750.00	\$90,750	1.8%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	0							0	SYS	\$1,850.00	\$0	0.0%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$5,182,665							<b>Cross Check OK</b>			<b>\$5,182,665</b>	
SEGMENT LENGTH (LFT)		10,748	0	0	0	0	0	0				<b>2.04</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 10																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$155,480	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$25,913	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$51,827	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$88,105	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$274,681	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$77,740	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$51,827	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$725,573.04		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$725,573	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$5,908,237.59		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$5,908,238	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$7,089,885.10		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$7,089,885	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$3,482,935.74		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$3,482,935.74	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 10																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$354,494	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$354,494	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$1,063,483	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$708,989	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$850,786	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$3,332,246.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$3,332,246	
TOTAL OVERALL COST OF PROJECT		\$10,422,131.10		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$10,422,131	
TOTAL OVERAL COST OF PROJECT PER MILE		\$5,119,915.54		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$5,119,915.54	



**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**Local Improvement 11 - SR 257 North of Otwell**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 1 1											
1	COMMON EXCAVATION	98104							98,104	CYS	\$7.00	\$686,728	15.5%
2	ROCK EXCAVATION	24526							24,526	CYS	\$7.00	\$171,682	3.9%
3	BORROW	0							0	CYS	\$6.00	\$0	0.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	147251							147,251	SYS	\$1.00	\$147,251	3.3%
5	SETTLEMENT PLATE	13							13	EA	\$1,100.00	\$14,080	0.3%
6	STAKE, LATERAL	13							13	EA	\$375.00	\$4,800	0.1%
7	STAKE, SETTLEMENT	13							13	EA	\$150.00	\$1,920	0.0%
8	SUBGRADE TREATMENT, TYPE IB	45511							45,511	SYS	\$6.00	\$273,067	6.1%
9	QC/QA, SURFACE, 9.5mm	3285							3,285	TON	\$80.00	\$262,827	5.9%
10	QC/QA, INTERMEDIATE, 19.0mm	10368							10,368	TON	\$62.00	\$642,816	14.5%
11	QC/QA, BASE, 25.0mm	11264							11,264	SYS	\$59.00	\$664,576	15.0%
12	JOINT ADHESIVE, SURFACE	38400							38,400	LFT	\$0.50	\$19,200	0.4%
13	JOINT ADHESIVE, INTERMEDIATE	51200							51,200	LFT	\$0.50	\$25,600	0.6%
14	ASPHALT FOR TACK COAT	10							10	TON	\$1,000.00	\$9,956	0.2%
15	COMPACTED AGGREGATE, NO. 53	8903							8,903	TON	\$22.00	\$195,857	4.4%
16	INLET, TYPE P	13							13	EA	\$3,000.00	\$38,400	0.9%
17	PIPE, TYPE 2, 15"	619							619	LFT	\$45.00	\$27,840	0.6%
18	END SECTION, 15"	13							13	EA	\$500.00	\$6,400	0.1%
19	REVTMENT RIPRAP	1099							1,099	TON	\$30.00	\$32,960	0.7%
20	GEOTEXTILES FOR RIPRAP	1392							1,392	SYS	\$4.00	\$5,568	0.1%
21	STRUCTURAL BACKFILL, TYPE 1	2475							2,475	CYS	\$30.00	\$74,240	1.7%
22	SEEDING, TYPE R	4578							4,578	LBS	\$3.00	\$13,734	0.3%
23	MULCHING	45							45	TON	\$450.00	\$20,099	0.5%
24	FERTILIZER	9							9	TON	\$850.00	\$7,593	0.2%
25	UNDERDRAIN, 4"	25600							25,600	LFT	\$3.00	\$76,800	1.7%
26	AGGREGATE FOR UNDERDRAIN	2304							2,304	CYS	\$43.00	\$99,072	2.2%
27	GEOTEXTILES FOR UNDERDRAIN	11833							11,833	SYS	\$1.50	\$17,749	0.4%
28	OUTLET PROTECTOR	64							64	EA	\$900.00	\$57,600	1.3%
29	PAVEMENT MARKINGS	28800							28,800	LFT	\$1.00	\$28,800	0.6%
30	FENCE, RIGHT-OF-WAY	12800							12,800	LFT	\$6.00	\$76,800	1.7%
31	CULVERT, CIRCULAR	405							405	LFT	\$200.00	\$81,000	1.8%
32	CULVERT, 4-SIDED BOX	875							875	LFT	\$750.00	\$656,250	14.8%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	0							0	SYS	\$1,850.00	\$0	0.0%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$4,441,265							<b>Cross Check</b>		<b>OK</b>	<b>\$4,441,265</b>	
SEGMENT LENGTH (LFT)		6,400	0	0	0	0	0	0				<b>1.21</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 1 1																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$133,238	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$22,206	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$44,413	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$75,502	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$235,387	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$66,619	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$44,413	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$621,777.11		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$621,777	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$5,063,042.20		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$5,063,042	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$6,075,650.64		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$6,075,651	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$5,012,411.78		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$5,012,411.78	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 1 1																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$303,783	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$303,783	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$911,348	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$607,565	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$729,078	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$2,855,555.80		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$2,855,556	
TOTAL OVERALL COST OF PROJECT		\$8,931,206.45		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$8,931,206	
TOTAL OVERAL COST OF PROJECT PER MILE		\$7,368,245.32		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$7,368,245.32	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**Local Improvement 12 - SR 257 South of Washington**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 12											
1	COMMON EXCAVATION	49360							49,360	CYS	\$7.00	\$345,520	6.0%
2	ROCK EXCAVATION	12340							12,340	CYS	\$7.00	\$86,380	1.5%
3	BORROW	0							0	CYS	\$6.00	\$0	0.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	125568							125,568	SYS	\$1.00	\$125,568	2.2%
5	SETTLEMENT PLATE	18							18	EA	\$1,100.00	\$19,331	0.3%
6	STAKE, LATERAL	18							18	EA	\$375.00	\$6,590	0.1%
7	STAKE, SETTLEMENT	18							18	EA	\$150.00	\$2,636	0.0%
8	SUBGRADE TREATMENT, TYPE IB	62485							62,485	SYS	\$6.00	\$374,912	6.5%
9	QC/QA, SURFACE, 9.5mm	4511							4,511	TON	\$80.00	\$360,853	6.3%
10	QC/QA, INTERMEDIATE, 19.0mm	14235							14,235	TON	\$62.00	\$882,566	15.4%
11	QC/QA, BASE, 25.0mm	15465							15,465	SYS	\$59.00	\$912,442	15.9%
12	JOINT ADHESIVE, SURFACE	52722							52,722	LFT	\$0.50	\$26,361	0.5%
13	JOINT ADHESIVE, INTERMEDIATE	70296							70,296	LFT	\$0.50	\$35,148	0.6%
14	ASPHALT FOR TACK COAT	14							14	TON	\$1,000.00	\$13,669	0.2%
15	COMPACTED AGGREGATE, NO. 53	12223							12,223	TON	\$22.00	\$268,906	4.7%
16	INLET, TYPE P	18							18	EA	\$3,000.00	\$52,722	0.9%
17	PIPE, TYPE 2, 15"	615							615	LFT	\$45.00	\$27,679	0.5%
18	END SECTION, 15"	18							18	EA	\$500.00	\$8,787	0.2%
19	REVTMENT RIPRAP	369							369	TON	\$30.00	\$11,063	0.2%
20	GEOTEXTILES FOR RIPRAP	521							521	SYS	\$4.00	\$2,083	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	2460							2,460	CYS	\$30.00	\$73,811	1.3%
22	SEEDING, TYPE R	2977							2,977	LBS	\$3.00	\$8,932	0.2%
23	MULCHING	29							29	TON	\$450.00	\$13,072	0.2%
24	FERTILIZER	6							6	TON	\$850.00	\$4,938	0.1%
25	UNDERDRAIN, 4"	35148							35,148	LFT	\$3.00	\$105,444	1.8%
26	AGGREGATE FOR UNDERDRAIN	3163							3,163	CYS	\$43.00	\$136,023	2.4%
27	GEOTEXTILES FOR UNDERDRAIN	16246							16,246	SYS	\$1.50	\$24,369	0.4%
28	OUTLET PROTECTOR	88							88	EA	\$900.00	\$79,083	1.4%
29	PAVEMENT MARKINGS	39542							39,542	LFT	\$1.00	\$39,542	0.7%
30	FENCE, RIGHT-OF-WAY	17574							17,574	LFT	\$6.00	\$105,444	1.8%
31	CULVERT, CIRCULAR	127							127	LFT	\$200.00	\$25,400	0.4%
32	CULVERT, 4-SIDED BOX	135							135	LFT	\$750.00	\$101,250	1.8%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	787							787	SYS	\$1,850.00	\$1,455,453	25.4%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$5,735,976							Cross Check OK			\$5,735,976	
SEGMENT LENGTH (LFT)		8,787	0	0	0	0	0	0				1.66	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 12																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$172,079	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$28,680	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$57,360	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$97,512	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$304,007	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$86,040	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$57,360	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$803,036.59		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$803,037	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$6,539,012.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$6,539,012	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$7,846,814.66		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$7,846,815	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$4,715,054.22		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$4,715,054.22	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 12																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$392,341	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$392,341	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$1,177,022	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$784,681	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$941,618	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$3,688,002.89		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$3,688,003	
TOTAL OVERALL COST OF PROJECT		\$11,534,817.56		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$11,534,818	
TOTAL OVERAL COST OF PROJECT PER MILE		\$6,931,129.70		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$6,931,129.70	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**Local Improvement 13 - SR 450 North of Dover Hill**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 13											
1	COMMON EXCAVATION	285405							285,405	CYS	\$7.00	\$1,997,834	27.3%
2	ROCK EXCAVATION	71351							71,351	CYS	\$7.00	\$499,458	6.8%
3	BORROW	0							0	CYS	\$6.00	\$0	0.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	212142							212,142	SYS	\$1.00	\$212,142	2.9%
5	SETTLEMENT PLATE	21							21	EA	\$1,100.00	\$23,146	0.3%
6	STAKE, LATERAL	21							21	EA	\$375.00	\$7,891	0.1%
7	STAKE, SETTLEMENT	21							21	EA	\$150.00	\$3,156	0.0%
8	SUBGRADE TREATMENT, TYPE IB	74816							74,816	SYS	\$6.00	\$448,896	6.1%
9	QC/QA, SURFACE, 9.5mm	5401							5,401	TON	\$80.00	\$432,062	5.9%
10	QC/QA, INTERMEDIATE, 19.0mm	17044							17,044	TON	\$62.00	\$1,056,729	14.4%
11	QC/QA, BASE, 25.0mm	18517							18,517	SYS	\$59.00	\$1,092,501	14.9%
12	JOINT ADHESIVE, SURFACE	63126							63,126	LFT	\$0.50	\$31,563	0.4%
13	JOINT ADHESIVE, INTERMEDIATE	84168							84,168	LFT	\$0.50	\$42,084	0.6%
14	ASPHALT FOR TACK COAT	16							16	TON	\$1,000.00	\$16,366	0.2%
15	COMPACTED AGGREGATE, NO. 53	14635							14,635	TON	\$22.00	\$321,971	4.4%
16	INLET, TYPE P	21							21	EA	\$3,000.00	\$63,126	0.9%
17	PIPE, TYPE 2, 15"	947							947	LFT	\$45.00	\$42,610	0.6%
18	END SECTION, 15"	21							21	EA	\$500.00	\$10,521	0.1%
19	REVTMENT RIPRAP	489							489	TON	\$30.00	\$14,676	0.2%
20	GEOTEXTILES FOR RIPRAP	669							669	SYS	\$4.00	\$2,676	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	3788							3,788	CYS	\$30.00	\$113,627	1.6%
22	SEEDING, TYPE R	6536							6,536	LBS	\$3.00	\$19,607	0.3%
23	MULCHING	64							64	TON	\$450.00	\$28,694	0.4%
24	FERTILIZER	13							13	TON	\$850.00	\$10,840	0.1%
25	UNDERDRAIN, 4"	42084							42,084	LFT	\$3.00	\$126,252	1.7%
26	AGGREGATE FOR UNDERDRAIN	3788							3,788	CYS	\$43.00	\$162,865	2.2%
27	GEOTEXTILES FOR UNDERDRAIN	19452							19,452	SYS	\$1.50	\$29,178	0.4%
28	OUTLET PROTECTOR	105							105	EA	\$900.00	\$94,689	1.3%
29	PAVEMENT MARKINGS	47345							47,345	LFT	\$1.00	\$47,345	0.6%
30	FENCE, RIGHT-OF-WAY	21042							21,042	LFT	\$6.00	\$126,252	1.7%
31	CULVERT, CIRCULAR	0							0	LFT	\$200.00	\$0	0.0%
32	CULVERT, 4-SIDED BOX	322							322	LFT	\$750.00	\$241,500	3.3%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	0							0	SYS	\$1,850.00	\$0	0.0%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$7,320,258							<b>Cross Check OK</b>			<b>\$7,320,258</b>	
SEGMENT LENGTH (LFT)		10,521	0	0	0	0	0	0				<b>1.99</b>	MILES



LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 13																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$219,608	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$36,601	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$73,203	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$124,444	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$387,974	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$109,804	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$73,203	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$1,024,836.06		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$1,024,836	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$8,345,093.62		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$8,345,094	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$10,014,112.34		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$10,014,112	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$5,025,616.69		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$5,025,616.69	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 13																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$500,706	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$500,706	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$1,502,117	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$1,001,411	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$1,201,693	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$4,706,632.80		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$4,706,633	
TOTAL OVERALL COST OF PROJECT		\$14,720,745.14		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$14,720,745	
TOTAL OVERAL COST OF PROJECT PER MILE		\$7,387,656.53		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$7,387,656.53	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**Local Improvement 14 - SR 450 South of Bedford**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 14											
1	COMMON EXCAVATION	162270							162,270	CYS	\$7.00	\$1,135,887	12.4%
2	ROCK EXCAVATION	40567							40,567	CYS	\$7.00	\$283,972	3.1%
3	BORROW	0							0	CYS	\$6.00	\$0	0.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	156663							156,663	SYS	\$1.00	\$156,663	1.7%
5	SETTLEMENT PLATE	12							12	EA	\$1,100.00	\$13,607	0.1%
6	STAKE, LATERAL	12							12	EA	\$375.00	\$4,639	0.1%
7	STAKE, SETTLEMENT	12							12	EA	\$150.00	\$1,856	0.0%
8	SUBGRADE TREATMENT, TYPE IB	43982							43,982	SYS	\$6.00	\$263,893	2.9%
9	QC/QA, SURFACE, 9.5mm	3175							3,175	TON	\$80.00	\$253,997	2.8%
10	QC/QA, INTERMEDIATE, 19.0mm	10020							10,020	TON	\$62.00	\$621,221	6.8%
11	QC/QA, BASE, 25.0mm	10886							10,886	SYS	\$59.00	\$642,250	7.0%
12	JOINT ADHESIVE, SURFACE	37110							37,110	LFT	\$0.50	\$18,555	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	49480							49,480	LFT	\$0.50	\$24,740	0.3%
14	ASPHALT FOR TACK COAT	10							10	TON	\$1,000.00	\$9,621	0.1%
15	COMPACTED AGGREGATE, NO. 53	8604							8,604	TON	\$22.00	\$189,278	2.1%
16	INLET, TYPE P	12							12	EA	\$3,000.00	\$37,110	0.4%
17	PIPE, TYPE 2, 15"	639							639	LFT	\$45.00	\$28,760	0.3%
18	END SECTION, 15"	12							12	EA	\$500.00	\$6,185	0.1%
19	REVTMENT RIPRAP	62							62	TON	\$30.00	\$1,856	0.0%
20	GEOTEXTILES FOR RIPRAP	124							124	SYS	\$4.00	\$495	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	2556							2,556	CYS	\$30.00	\$76,694	0.8%
22	SEEDING, TYPE R	5006							5,006	LBS	\$3.00	\$15,019	0.2%
23	MULCHING	49							49	TON	\$450.00	\$21,980	0.2%
24	FERTILIZER	10							10	TON	\$850.00	\$8,303	0.1%
25	UNDERDRAIN, 4"	24740							24,740	LFT	\$3.00	\$74,220	0.8%
26	AGGREGATE FOR UNDERDRAIN	2227							2,227	CYS	\$43.00	\$95,744	1.0%
27	GEOTEXTILES FOR UNDERDRAIN	11435							11,435	SYS	\$1.50	\$17,153	0.2%
28	OUTLET PROTECTOR	62							62	EA	\$900.00	\$55,665	0.6%
29	PAVEMENT MARKINGS	27833							27,833	LFT	\$1.00	\$27,833	0.3%
30	FENCE, RIGHT-OF-WAY	12370							12,370	LFT	\$6.00	\$74,220	0.8%
31	CULVERT, CIRCULAR	0							0	LFT	\$200.00	\$0	0.0%
32	CULVERT, 4-SIDED BOX	0							0	LFT	\$750.00	\$0	0.0%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	2715							2,715	SYS	\$1,850.00	\$5,023,243	54.7%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$9,184,659							<b>Cross Check OK</b>			<b>\$9,184,659</b>	
SEGMENT LENGTH (LFT)		6,185	0	0	0	0	0	0				<b>1.17</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 14																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$275,540	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$45,923	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$91,847	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$156,139	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$486,787	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$137,770	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$91,847	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$1,285,852.32		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$1,285,852	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$10,470,511.77		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$10,470,512	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$12,564,614.13		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$12,564,614	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$10,726,137.85		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$10,726,137.85	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 14																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$628,231	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$628,231	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$1,884,692	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$1,256,461	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$1,507,754	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$5,905,368.64		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$5,905,369	
TOTAL OVERALL COST OF PROJECT		\$18,469,982.77		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$18,469,983	
TOTAL OVERAL COST OF PROJECT PER MILE		\$15,767,422.64		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$15,767,422.64	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**Local Improvement 15 - SR 56 West of SR 545**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 15											
1	COMMON EXCAVATION	160658							160,658	CYS	\$7.00	\$1,124,603	20.9%
2	ROCK EXCAVATION	40164							40,164	CYS	\$7.00	\$281,151	5.2%
3	BORROW	0							0	CYS	\$6.00	\$0	0.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	161743							161,743	SYS	\$1.00	\$161,743	3.0%
5	SETTLEMENT PLATE	18							18	EA	\$1,100.00	\$19,648	0.4%
6	STAKE, LATERAL	18							18	EA	\$375.00	\$6,698	0.1%
7	STAKE, SETTLEMENT	18							18	EA	\$150.00	\$2,679	0.0%
8	SUBGRADE TREATMENT, TYPE IB	63509							63,509	SYS	\$6.00	\$381,056	7.1%
9	QC/QA, SURFACE, 9.5mm	4585							4,585	TON	\$80.00	\$366,766	6.8%
10	QC/QA, INTERMEDIATE, 19.0mm	14468							14,468	TON	\$62.00	\$897,030	16.7%
11	QC/QA, BASE, 25.0mm	15719							15,719	SYS	\$59.00	\$927,395	17.2%
12	JOINT ADHESIVE, SURFACE	53586							53,586	LFT	\$0.50	\$26,793	0.5%
13	JOINT ADHESIVE, INTERMEDIATE	71448							71,448	LFT	\$0.50	\$35,724	0.7%
14	ASPHALT FOR TACK COAT	14							14	TON	\$1,000.00	\$13,893	0.3%
15	COMPACTED AGGREGATE, NO. 53	12423							12,423	TON	\$22.00	\$273,313	5.1%
16	INLET, TYPE P	18							18	EA	\$3,000.00	\$53,586	1.0%
17	PIPE, TYPE 2, 15"	744							744	LFT	\$45.00	\$33,491	0.6%
18	END SECTION, 15"	18							18	EA	\$500.00	\$8,931	0.2%
19	REVTMENT RIPRAP	281							281	TON	\$30.00	\$8,439	0.2%
20	GEOTEXTILES FOR RIPRAP	408							408	SYS	\$4.00	\$1,632	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	2977							2,977	CYS	\$30.00	\$89,310	1.7%
22	SEEDING, TYPE R	4707							4,707	LBS	\$3.00	\$14,122	0.3%
23	MULCHING	46							46	TON	\$450.00	\$20,667	0.4%
24	FERTILIZER	9							9	TON	\$850.00	\$7,807	0.1%
25	UNDERDRAIN, 4"	35724							35,724	LFT	\$3.00	\$107,172	2.0%
26	AGGREGATE FOR UNDERDRAIN	3215							3,215	CYS	\$43.00	\$138,252	2.6%
27	GEOTEXTILES FOR UNDERDRAIN	16512							16,512	SYS	\$1.50	\$24,769	0.5%
28	OUTLET PROTECTOR	89							89	EA	\$900.00	\$80,379	1.5%
29	PAVEMENT MARKINGS	40190							40,190	LFT	\$1.00	\$40,190	0.7%
30	FENCE, RIGHT-OF-WAY	17862							17,862	LFT	\$6.00	\$107,172	2.0%
31	CULVERT, CIRCULAR	0							0	LFT	\$200.00	\$0	0.0%
32	CULVERT, 4-SIDED BOX	177							177	LFT	\$750.00	\$132,750	2.5%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	0							0	SYS	\$1,850.00	\$0	0.0%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$5,387,161							<b>Cross Check OK</b>			<b>\$5,387,161</b>	
SEGMENT LENGTH (LFT)		8,931	0	0	0	0	0	0				<b>1.69</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 15																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$161,615	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$26,936	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$53,872	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$91,582	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$285,520	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$80,807	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$53,872	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$754,202.55		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$754,203	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$6,141,363.61		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$6,141,364	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$7,369,636.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$7,369,636	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$4,356,923.06		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$4,356,923.06	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 15																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$368,482	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$368,482	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$1,105,445	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$736,964	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$884,356	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$3,463,729.08		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$3,463,729	
TOTAL OVERALL COST OF PROJECT		\$10,833,365.41		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$10,833,365	
TOTAL OVERAL COST OF PROJECT PER MILE		\$6,404,676.89		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$6,404,676.89	



**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**Local Improvement 16 - SR 56 West of Hillham**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 16											
1	COMMON EXCAVATION	82415							82,415	CYS	\$7.00	\$576,906	13.7%
2	ROCK EXCAVATION	20604							20,604	CYS	\$7.00	\$144,227	3.4%
3	BORROW	0							0	CYS	\$6.00	\$0	0.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	109323							109,323	SYS	\$1.00	\$109,323	2.6%
5	SETTLEMENT PLATE	11							11	EA	\$1,100.00	\$12,430	0.3%
6	STAKE, LATERAL	11							11	EA	\$375.00	\$4,238	0.1%
7	STAKE, SETTLEMENT	11							11	EA	\$150.00	\$1,695	0.0%
8	SUBGRADE TREATMENT, TYPE IB	40178							40,178	SYS	\$6.00	\$241,067	5.7%
9	QC/QA, SURFACE, 9.5mm	2900							2,900	TON	\$80.00	\$232,027	5.5%
10	QC/QA, INTERMEDIATE, 19.0mm	9153							9,153	TON	\$62.00	\$567,486	13.4%
11	QC/QA, BASE, 25.0mm	9944							9,944	SYS	\$59.00	\$586,696	13.9%
12	JOINT ADHESIVE, SURFACE	33900							33,900	LFT	\$0.50	\$16,950	0.4%
13	JOINT ADHESIVE, INTERMEDIATE	45200							45,200	LFT	\$0.50	\$22,600	0.5%
14	ASPHALT FOR TACK COAT	9							9	TON	\$1,000.00	\$8,789	0.2%
15	COMPACTED AGGREGATE, NO. 53	7859							7,859	TON	\$22.00	\$172,905	4.1%
16	INLET, TYPE P	11							11	EA	\$3,000.00	\$33,900	0.8%
17	PIPE, TYPE 2, 15"	490							490	LFT	\$45.00	\$22,035	0.5%
18	END SECTION, 15"	11							11	EA	\$500.00	\$5,650	0.1%
19	REVTMENT RIPRAP	249							249	TON	\$30.00	\$7,455	0.2%
20	GEOTEXTILES FOR RIPRAP	342							342	SYS	\$4.00	\$1,369	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	1959							1,959	CYS	\$30.00	\$58,760	1.4%
22	SEEDING, TYPE R	3244							3,244	LBS	\$3.00	\$9,732	0.2%
23	MULCHING	32							32	TON	\$450.00	\$14,242	0.3%
24	FERTILIZER	6							6	TON	\$850.00	\$5,380	0.1%
25	UNDERDRAIN, 4"	22600							22,600	LFT	\$3.00	\$67,800	1.6%
26	AGGREGATE FOR UNDERDRAIN	2034							2,034	CYS	\$43.00	\$87,462	2.1%
27	GEOTEXTILES FOR UNDERDRAIN	10446							10,446	SYS	\$1.50	\$15,669	0.4%
28	OUTLET PROTECTOR	57							57	EA	\$900.00	\$50,850	1.2%
29	PAVEMENT MARKINGS	25425							25,425	LFT	\$1.00	\$25,425	0.6%
30	FENCE, RIGHT-OF-WAY	11300							11,300	LFT	\$6.00	\$67,800	1.6%
31	CULVERT, CIRCULAR	0							0	LFT	\$200.00	\$0	0.0%
32	CULVERT, 4-SIDED BOX	182							182	LFT	\$750.00	\$136,500	3.2%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	494							494	SYS	\$1,850.00	\$914,488	21.7%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$4,221,855							<b>Cross Check OK</b>			<b>\$4,221,855</b>	
SEGMENT LENGTH (LFT)		5,650	0	0	0	0	0	0				<b>1.07</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 16																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$126,656	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$21,109	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$42,219	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$71,772	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$223,758	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$63,328	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$42,219	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$591,059.74		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$591,060	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$4,812,915.04		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$4,812,915	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$5,775,498.04		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$5,775,498	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$5,397,279.59		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$5,397,279.59	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 16																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$288,775	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$288,775	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$866,325	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$577,550	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$693,060	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$2,714,484.08		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$2,714,484	
TOTAL OVERALL COST OF PROJECT		\$8,489,982.13		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$8,489,982	
TOTAL OVERAL COST OF PROJECT PER MILE		\$7,934,001.00		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$7,934,001.00	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**Local Improvement 17 - SR 145 South of French Lick**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 17											
1	COMMON EXCAVATION	29554							29,554	CYS	\$7.00	\$206,881	4.1%
2	ROCK EXCAVATION	7389							7,389	CYS	\$7.00	\$51,720	1.0%
3	BORROW	27961							27,961	CYS	\$6.00	\$167,768	3.4%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	131102							131,102	SYS	\$1.00	\$131,102	2.6%
5	SETTLEMENT PLATE	15							15	EA	\$1,100.00	\$16,500	0.3%
6	STAKE, LATERAL	15							15	EA	\$375.00	\$5,625	0.1%
7	STAKE, SETTLEMENT	15							15	EA	\$150.00	\$2,250	0.0%
8	SUBGRADE TREATMENT, TYPE IB	53333							53,333	SYS	\$6.00	\$320,000	6.4%
9	QC/QA, SURFACE, 9.5mm	3850							3,850	TON	\$80.00	\$308,000	6.2%
10	QC/QA, INTERMEDIATE, 19.0mm	12150							12,150	TON	\$62.00	\$753,300	15.1%
11	QC/QA, BASE, 25.0mm	13200							13,200	SYS	\$59.00	\$778,800	15.6%
12	JOINT ADHESIVE, SURFACE	45000							45,000	LFT	\$0.50	\$22,500	0.5%
13	JOINT ADHESIVE, INTERMEDIATE	60000							60,000	LFT	\$0.50	\$30,000	0.6%
14	ASPHALT FOR TACK COAT	12							12	TON	\$1,000.00	\$11,667	0.2%
15	COMPACTED AGGREGATE, NO. 53	10433							10,433	TON	\$22.00	\$229,520	4.6%
16	INLET, TYPE P	15							15	EA	\$3,000.00	\$45,000	0.9%
17	PIPE, TYPE 2, 15"	600							600	LFT	\$45.00	\$27,000	0.5%
18	END SECTION, 15"	15							15	EA	\$500.00	\$7,500	0.2%
19	REVTMENT RIPRAP	75							75	TON	\$30.00	\$2,250	0.0%
20	GEOTEXTILES FOR RIPRAP	150							150	SYS	\$4.00	\$600	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	2400							2,400	CYS	\$30.00	\$72,000	1.4%
22	SEEDING, TYPE R	3600							3,600	LBS	\$3.00	\$10,801	0.2%
23	MULCHING	35							35	TON	\$450.00	\$15,806	0.3%
24	FERTILIZER	7							7	TON	\$850.00	\$5,971	0.1%
25	UNDERDRAIN, 4"	30000							30,000	LFT	\$3.00	\$90,000	1.8%
26	AGGREGATE FOR UNDERDRAIN	2700							2,700	CYS	\$43.00	\$116,100	2.3%
27	GEOTEXTILES FOR UNDERDRAIN	13867							13,867	SYS	\$1.50	\$20,800	0.4%
28	OUTLET PROTECTOR	75							75	EA	\$900.00	\$67,500	1.4%
29	PAVEMENT MARKINGS	33750							33,750	LFT	\$1.00	\$33,750	0.7%
30	FENCE, RIGHT-OF-WAY	15000							15,000	LFT	\$6.00	\$90,000	1.8%
31	CULVERT, CIRCULAR	0							0	LFT	\$200.00	\$0	0.0%
32	CULVERT, 4-SIDED BOX	0							0	LFT	\$750.00	\$0	0.0%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	731							731	SYS	\$1,850.00	\$1,352,412	27.1%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$4,993,122							<b>Cross Check OK</b>			<b>\$4,993,122</b>	
SEGMENT LENGTH (LFT)		7,500	0	0	0	0	0	0				<b>1.42</b>	MILES

LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 17																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$149,794	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$24,966	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$49,931	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$84,883	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$264,635	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$74,897	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$49,931	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$699,037.02		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$699,037	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$5,692,158.60		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$5,692,159	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$6,830,590.31		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$6,830,590	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$4,808,735.58		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$4,808,735.58	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 17																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$341,530	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$341,530	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$1,024,589	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$683,059	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$819,671	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$3,210,377.45		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$3,210,377	
TOTAL OVERALL COST OF PROJECT		\$10,040,967.76		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$10,040,968	
TOTAL OVERAL COST OF PROJECT PER MILE		\$7,068,841.30		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$7,068,841.30	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES**  
**Local Improvement 18 - SR 56 East of Prospect**

QUANTIFIED CONSTRUCTION COST ITEMS													
ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 18											
1	COMMON EXCAVATION	25916							25,916	CYS	\$7.00	\$181,412	3.2%
2	ROCK EXCAVATION	6479							6,479	CYS	\$7.00	\$45,353	0.8%
3	BORROW	5817							5,817	CYS	\$6.00	\$34,899	0.6%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	97218							97,218	SYS	\$1.00	\$97,218	1.7%
5	SETTLEMENT PLATE	11							11	EA	\$1,100.00	\$12,529	0.2%
6	STAKE, LATERAL	11							11	EA	\$375.00	\$4,271	0.1%
7	STAKE, SETTLEMENT	11							11	EA	\$150.00	\$1,709	0.0%
8	SUBGRADE TREATMENT, TYPE IB	40498							40,498	SYS	\$6.00	\$242,987	4.2%
9	QC/QA, SURFACE, 9.5mm	2923							2,923	TON	\$80.00	\$233,875	4.1%
10	QC/QA, INTERMEDIATE, 19.0mm	9226							9,226	TON	\$62.00	\$572,006	10.0%
11	QC/QA, BASE, 25.0mm	10023							10,023	SYS	\$59.00	\$591,369	10.3%
12	JOINT ADHESIVE, SURFACE	34170							34,170	LFT	\$0.50	\$17,085	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	45560							45,560	LFT	\$0.50	\$22,780	0.4%
14	ASPHALT FOR TACK COAT	9							9	TON	\$1,000.00	\$8,859	0.2%
15	COMPACTED AGGREGATE, NO. 53	7922							7,922	TON	\$22.00	\$174,282	3.0%
16	INLET, TYPE P	11							11	EA	\$3,000.00	\$34,170	0.6%
17	PIPE, TYPE 2, 15"	456							456	LFT	\$45.00	\$20,502	0.4%
18	END SECTION, 15"	11							11	EA	\$500.00	\$5,695	0.1%
19	REVTMENT RIPRAP	249							249	TON	\$30.00	\$7,469	0.1%
20	GEOTEXTILES FOR RIPRAP	343							343	SYS	\$4.00	\$1,373	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	1822							1,822	CYS	\$30.00	\$54,672	1.0%
22	SEEDING, TYPE R	2734							2,734	LBS	\$3.00	\$8,201	0.1%
23	MULCHING	27							27	TON	\$450.00	\$12,002	0.2%
24	FERTILIZER	5							5	TON	\$850.00	\$4,534	0.1%
25	UNDERDRAIN, 4"	22780							22,780	LFT	\$3.00	\$68,340	1.2%
26	AGGREGATE FOR UNDERDRAIN	2050							2,050	CYS	\$43.00	\$88,159	1.5%
27	GEOTEXTILES FOR UNDERDRAIN	10529							10,529	SYS	\$1.50	\$15,794	0.3%
28	OUTLET PROTECTOR	57							57	EA	\$900.00	\$51,255	0.9%
29	PAVEMENT MARKINGS	25628							25,628	LFT	\$1.00	\$25,628	0.4%
30	FENCE, RIGHT-OF-WAY	11390							11,390	LFT	\$6.00	\$68,340	1.2%
31	CULVERT, CIRCULAR	0							0	LFT	\$200.00	\$0	0.0%
32	CULVERT, 4-SIDED BOX	344							344	LFT	\$750.00	\$258,000	4.5%
33	CULVERT, 3-SIDED BOX	0							0	LFT	\$2,500.00	\$0	0.0%
34	BRIDGE	1490							1,490	SYS	\$1,850.00	\$2,756,344	48.2%
SUB-TOTAL OF QUANTIFIED CONST. COST ITEMS		\$5,721,110							<b>Cross Check OK</b>			<b>\$5,721,110</b>	
SEGMENT LENGTH (LFT)		5,695	0	0	0	0	0	0				<b>1.08</b>	MILES

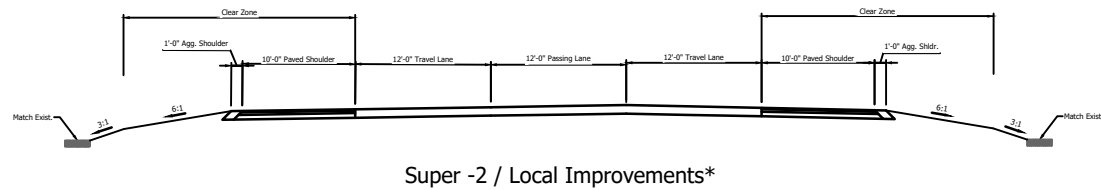
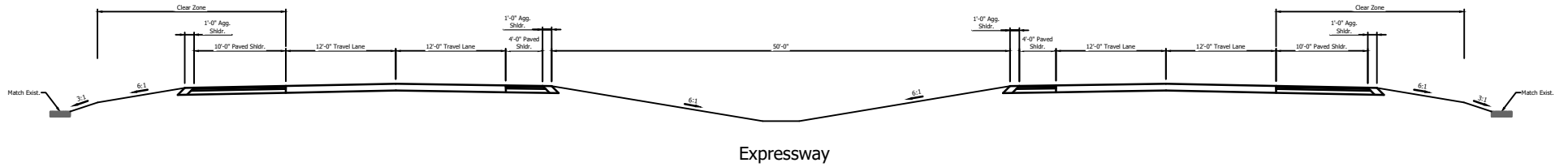


LUMP SUM CONSTRUCTION COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 18																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	0	3.0%	0	3.0%	0	3.0%	0	3.0%	N/A	LS	N/A	\$171,633	3.0%
36	SIGNING	1	0.5%	1	0.5%	1	0.5%	0	0.5%	0	0.5%	0	0.5%	0	0.5%	N/A	LS	N/A	\$28,606	0.5%
37	LIGHTING	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A	LS	N/A	\$0	0.0%
38	KARST MITIGATION	0	5.0%	1	5.0%	1	5.0%	0	5.0%	0	5.0%	0	5.0%	0	5.0%	N/A	LS	N/A	\$0	0.0%
39	MISCELLANEOUS NON-MEDIAN DRAINAGE	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	LS	N/A	\$57,211	1.0%
40	CONSTRUCTION ENGINEERING	1	1.7%	1	1.7%	1	1.7%	0	1.7%	0	1.7%	0	1.7%	0	1.7%	N/A	LS	N/A	\$97,259	1.7%
41	MOBILIZATION AND DEMOBILIZATION	1	5.3%	1	5.3%	1	5.3%	0	5.3%	0	5.3%	0	5.3%	0	5.3%	N/A	LS	N/A	\$303,219	5.3%
42	MAINTENANCE OF TRAFFIC	1	1.5%	1	1.5%	1	1.5%	0	1.5%	0	1.5%	0	1.5%	0	1.5%	N/A	LS	N/A	\$85,817	1.5%
43	STORMWATER MANAGEMENT BUDGET	1	1.0%	1	1.0%	1	1.0%	0	1.0%	0	1.0%	0	1.0%	0	1.0%	N/A	DOL	N/A	\$57,211	1.0%
SUB-TOTAL OF LUMP SUM CONSTRUCTION COST ITEMS		\$800,955.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$800,955	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$6,522,064.86		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$6,522,065	
CONSTRUCTION CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY CONSTRUCTION COST		\$7,826,477.83		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$7,826,478	
TOTAL ROADWAY CONST. COST PER MILE OF MAINLINE		\$7,256,155.04		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$7,256,155.04	

ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		LI - 18																		
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$391,324	5.0%
45	UTILITY RELOCATIONS	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	1	5.0%	N/A	LS	N/A	\$391,324	5.0%
46	PRELIMINARY ENGINEERING	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	1	15.0%	N/A	LS	N/A	\$1,173,972	15.0%
47	ENVIRONMENTAL	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	1	10.0%	N/A	LS	N/A	\$782,648	10.0%
48	CONSTRUCTION INSPECTION	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	1	12.0%	N/A	LS	N/A	\$939,177	12.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	LS	N/A	\$0	0.0%
																N/A	DOL	N/A	\$0	0.0%
SUB-TOTAL OF SOFT COST ITEMS		\$3,678,444.58		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$3,678,445	
TOTAL OVERALL COST OF PROJECT		\$11,504,922.41		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		Cross Check		OK	\$11,504,922	
TOTAL OVERAL COST OF PROJECT PER MILE		\$10,666,547.90		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$10,666,547.90	



## **APPENDIX 2**



\*Local Improvements 2 & 3 utilize two passing lanes for a total of 4 thru lanes.  
Local Improvement 4 consists of access management thru Jasper and does not follow a typical section



# MID-STATES CORRIDOR