



**MID-STATES
CORRIDOR**

APPENDIX E – COST ESTIMATING

Mid-States Corridor Tier 1 Environmental Impact Statement

Prepared for

Indiana Department of Transportation

Mid-States Corridor Regional Development Authority

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Prepared by

VS Engineering, Inc.





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SUMMARY

The following substantive changes have been made to this section since the Draft Environmental Impact Statement (DEIS) was published:

- During the Screening of Alternatives, preliminary **Alternative R** was evaluated before being removed from further consideration. **Alternative R** consists of upgrading US 231 from I-64 to I-69. Many comments on the DEIS requested further consideration of an upgrade of US 231 in addition to the five alternatives presented in the DEIS. In response to these comments, this FEIS further evaluates the costs, impacts and benefits of **Alternative R**. See **Section 2.5.1** for details about **Alternative R**.
- Multiple comments were received from local officials in Loogootee and Martin County about the alignment of **Alternative P** in Martin County, in particular in the vicinity of Loogootee. The DEIS showed **Alternative P** with an alignment west of Loogootee. Portions of this alignment are in Daviess County. These comments requested modifications to **Alternative P** to bring it through or to the east of Loogootee.
In response to these comments, three additional variations of **Alternative P** have been added in Martin County. All variations of **Alternative P** are within Section of Independent Utility (SIU) 4. See **Section 2.7** for a discussion of Tier 2 sections for all alternatives. **Alternative P** with these variations has been designated as **Refined Preferred Alternative P (RPA P)**. It is evaluated separately from any alternative considered in the DEIS. A single variation of **RPA P** will be selected in Tier 2 studies for SIU 4. See **Section 2.5.2** for details about the variations of **RPA P** near Loogootee.
- Updated cost and typical section information has been added for **Alternative R** and **RPA P**.
- In response to comments on the DEIS, estimates have been provided for annual increases in operating and maintenance costs for alternatives.

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**. Note that two alternatives (**RPA P Variation 2 [RPA P2]** and **Alternative R**) have only Super-2 facility types. For that reason, no costs are shown for an expressway facility type for these alternatives. In the table that follows, the designations of the four variations of **RPA P** are abbreviated as **RPA P1** through **RPA P4**.

Table 1a lists each mainline alternative and local improvements associated with each. **Table 1b** lists the costs for each individual local improvement. Note that no local improvements are associated with **Alternative R**.



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 (RPA P 1)	\$ 620,000,000	P2Ew (RPA P1)	\$ 901,000,000
P3We	\$ 652,000,000	P2We	\$ 828,000,000
P3Ww	\$ 583,000,000	P2Ww	\$ 792,000,000
R	\$ 599,000,000	--	--
RPA P2	\$ 615,000,000	--	--
RPA P3	\$ 621,000,000	RPA P3	\$ 925,000,000
RPA P4	\$ 642,000,000	RPA P4	\$ 946,000,000

Some alternatives designated here were considered prior to final analysis of detailed alternatives. These included western Dubois County alignment variation C3W, C2W, M3W, M2W, O3W, O2W, P3We, P3Ww, P2We and P2Ww.

Upper case "E" and "W" refers to alignments of in eastern or western Dubois County. Lower case "e" and "w" refers to alignments of **Alternative P** in Martin/Daviess counties east or west of Loogootee.



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 & RPA 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



Table 2a: Cross Sectional Elements for Alternative R, Urban

Element	Utilized Design Criteria for Mid-States Corridor Typical (Alternative R) Sections	
	Super 2 Facility Type Urban Arterial 3-Lane Configuration	Super 2 Facility Type Urban Arterial 5-Lane Configuration
Lane IDM Reference	Figure 53-7	Figure 53-6
Travel Lane Width	12 ft	12 ft
Travel Lane Count	2	4
Auxiliary Lane Width	14 ft	14 ft
Curb Offset	2 ft	2 ft
Left and Right Buffer Width	5 ft	5 ft
Left and Right Sidewalk Width	5 ft	5 ft

Some areas with significant physical constraints in Huntingburg, Jasper, Hayesville and Loogootee were provided alternating passing lanes indicated by the 3-lane criteria within Table 2b. Three and five lane urban section were utilized within the incorporated city limits of Huntingburg, Jasper, and Loogootee, as well as the town of Hayesville. In general, three lane urban sections were utilized unless an existing segment showed a poor Level of Service (Level E or F). These segments of poor Levels of Service included the segment from 6th Street to CR 400 N in Jasper, IN.

Table 2b: Cross Sectional Elements for Alternative R, Rural

Item	3-Lane	2-Lane
IDM Reference	Figure 53-7	Figure 53-6
Travel Lane Width	12 ft	12 ft
Travel Lane Count	3	4
Left and Right Usable Shoulder Width	4 ft	4 ft
Outside Foreslope to Clear CZ	6:1	6:1
Outside Foreslope Outside CZ	3:1	3:1
Outside Ditch Width	4 ft	4 ft
Segment Length	1.25 - 1.5 Miles	--
Segment Locations	Within 0.5 miles of impediments	All other rural locations

In addition to the 3-lane passing locations, existing US231 was analyzed for deficiencies in safety standards including, minimum shoulder width, minimum vertical curve length, minimum horizontal curve length, and vertical and horizontal stopping sight distance. These deficiencies were addressed for the entirety of Alternative R in both the 2-lane and 3-lane configurations.



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 the 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. The 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).

ROW Fence –

ROW fence is included on both sides of each mainline route. Because Alternative R follows the existing alignment of US231, rather than new terrain, additional quantities were measured to account for maintaining existing traffic while construction efforts are performed. These additional quantities include HMA for Temporary Pavement, Temporary Traffic Barrier, and Subgrade Treatment Type IB.

Operations and Maintenance Costs

Alternative lengths along with the number of additional travel lanes, were used to calculate the overall alternative operations and maintenance costs on an annual basis. An average cost per lane mile of \$8,200 was provided by INDOT. A summary of all operations and maintenance costs can be found in **Table 5**.



Table 5: Expressway and Super-2 Operating and Maintenance Costs

Expressway and Super 2 Operations and Maintenance Costs							
Mainline Facility				Local Improvements			Total Cost/Year
Alt	Length (mi)	# Lanes	Cost/Year	Length (mi)	# Lanes	Cost/Year	
B2W	33.4	4	\$ 1,096,613.33	10.9	1	\$ 89,698.37	\$ 1,186,311.70
C2E	40.4	4	\$ 1,325,070.30	8.5	1	\$ 69,609.92	\$ 1,394,680.23
C2W	39.8	4	\$ 1,305,483.48	8.5	1	\$ 69,609.92	\$ 1,375,093.41
M2E	87.9	4	\$ 2,883,101.36	15.4	1	\$ 126,550.23	\$ 3,009,651.59
M2W	61.8	4	\$ 2,027,176.67	15.4	1	\$ 126,550.23	\$ 2,153,726.89
O2E	53.2	4	\$ 1,745,879.39	13.9	1	\$ 114,066.97	\$ 1,859,946.36
O2W	55.2	4	\$ 1,809,342.42	13.9	1	\$ 114,066.97	\$ 1,923,409.39
P2Ee	53.8	4	\$ 1,764,913.33	16.8	1	\$ 137,429.20	\$ 1,902,342.54
P2Ew	54.0	4	\$ 1,772,690.91	16.8	1	\$ 137,429.20	\$ 1,910,120.11
P2We	53.2	4	\$ 1,745,326.52	16.8	1	\$ 137,429.20	\$ 1,882,755.72
P2Ww	53.4	4	\$ 1,753,104.09	16.8	1	\$ 137,429.20	\$ 1,890,533.30
RPA 3	53.4	4	\$ 1,752,681.67	16.8	1	\$ 137,429.20	\$ 1,890,110.87
RPA 4	54.8	4	\$ 1,796,334.24	16.8	1	\$ 137,429.20	\$ 1,933,763.45
B3W	33.4	3	\$ 822,460.00	10.9	1	\$ 89,698.37	\$ 912,158.37
C3E	40.4	3	\$ 993,802.73	8.5	1	\$ 69,609.92	\$ 1,063,412.65
C3W	39.8	3	\$ 979,112.61	8.5	1	\$ 69,609.92	\$ 1,048,722.54
M3E	62.4	3	\$ 1,535,072.61	15.4	1	\$ 126,550.23	\$ 1,661,622.84
M3W	61.8	3	\$ 1,520,382.50	15.4	1	\$ 126,550.23	\$ 1,646,932.73
O3E	53.2	3	\$ 1,309,409.55	13.9	1	\$ 114,066.97	\$ 1,423,476.52
O3W	55.2	3	\$ 1,357,006.82	13.9	1	\$ 114,066.97	\$ 1,471,073.79
P3Ee	53.8	3	\$ 1,323,685.00	16.8	1	\$ 137,429.20	\$ 1,461,114.20
P3Ew	54.0	3	\$ 1,329,518.18	16.8	1	\$ 137,429.20	\$ 1,466,947.39
P3We	53.2	3	\$ 1,308,994.89	16.8	1	\$ 137,429.20	\$ 1,446,424.09
P3Ww	53.4	3	\$ 1,314,828.07	16.8	1	\$ 137,429.20	\$ 1,452,257.27
P231Ww	35.7	3	\$ 877,605.00	16.8	1	\$ 137,429.20	\$ 1,015,034.20
P231Ew	53.4	3	\$ 1,314,828.07	16.8	1	\$ 137,429.20	\$ 1,452,257.27
RPA 2	51.2	3	\$ 1,258,937.61	16.8	1	\$ 137,429.20	\$ 1,396,366.82
RPA 3	53.4	3	\$ 1,314,511.25	16.8	1	\$ 137,429.20	\$ 1,451,940.45
RPA 4	54.8	3	\$ 1,347,250.68	16.8	1	\$ 137,429.20	\$ 1,484,679.89
R	55.3	1	\$ 161,484.09	--	--	--	\$ 161,484.09



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

In addition to the aforementioned additional maintaining traffic quantities calculated for Alternative R, a greater lump sum percentage was used for maintenance of traffic due to the additional complexity involved with maintaining traffic on existing facilities.

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 6**.



Previous Contract Data Table

Table 6: 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.

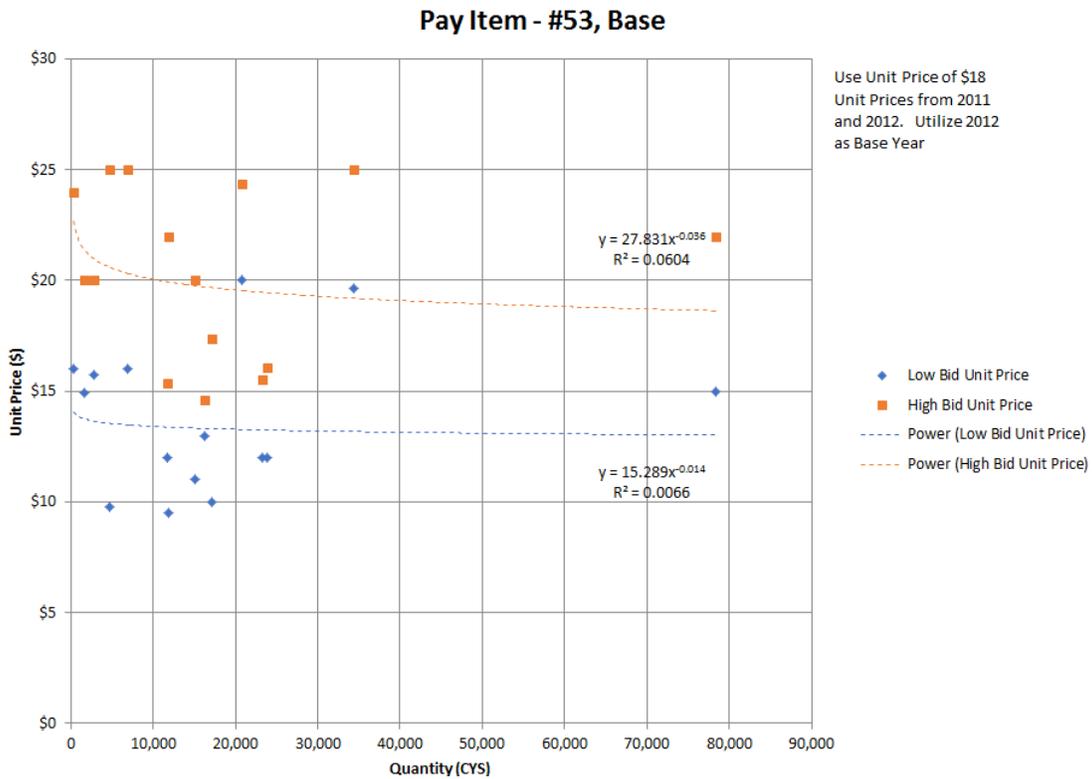


Figure 1: Previous Contract high and Low Unit prices

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 2019.¹ The escalated unit costs are rounded upwards to the nearest \$0.50.

The FHWA Construction Index cited above varied within a narrow range during the first two years of this study. Recent values of this index reflect cost escalations, many of which are due to issues with supply chains and material availability. It is not clear to what extent recent escalations represent an accurate assessment of future costs. The costs described in this appendix are appropriate for comparing relative costs of alternatives. Tier 2 studies will include updated costs, which will account for current construction costs at that time.

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.

¹ 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.



Other Sources

The Federal Highway Administration (FHWA) publishes annual bridge replacement unit costs for structurally deficient National Highway System Bridges². 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.

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

² 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.



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	Cross Check		OK	\$183,204,078		
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	\$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	

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.	%					
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 OVERALL 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 OVERALL 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 OVERALL 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		Error	\$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 OVERALL 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	Cross Check		Error	\$478,360,604	
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	\$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 OVERALL 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	

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.	%					
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 OVERALL 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 Bypass)**

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	

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.	%					
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 OVERALL 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	Cross Check		Error	\$342,555,526	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	38,103	31,111	72,331				53.81	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 OVERALL 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	Cross Check		OK	\$308,419,622	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	70,466	72,331	0				54.05	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	

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.	%					
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 OVERALL 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	Cross Check		OK	\$324,146,558	
SEGMENT LENGTH (LFT)		71,227	20,303	25,568	7,355	14,957	38,103	31,111	72,331				53.21	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		Error	\$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.	%	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 OVERALL 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	Cross Check OK		\$290,010,654		
SEGMENT LENGTH (LFT)		71,227	20,303	25,568	7,355	14,957	70,466	72,331			53.45	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		Error	\$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	

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.	%					
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 OVERALL 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	Cross Check		OK	\$189,616,862	
SEGMENT LENGTH (LFT)		97,068	23,183	14,000	25,816	11,024	17,273	0				35.68	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	

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.	%					
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 OVERALL 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	Cross Check		OK	\$171,207,894	
SEGMENT LENGTH (LFT)		71,227	20,303	25,568	14,000	25,816	11,024	17,273				35.08	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	

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.	%					
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 OVERALL 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.	%	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 OVERALL 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 OVERALL 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	Cross Check OK		\$288,918,253	
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	\$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 OVERALL 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	Cross Check		OK	\$638,265,436	
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	\$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 OVERALL 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 OVERALL 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	Cross Check OK		\$583,055,956	
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%	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		Error	\$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 OVERALL 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	Cross Check OK		\$567,346,457	
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%	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		Error	\$1,176,090,492	
TOTAL OVERALL 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 Eastern 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	Cross Check		OK	\$465,755,689	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	38,103	31,111	72,331				53.81	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 OVERALL 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	Cross Check		OK	\$447,905,812	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	70,466	72,331	0				54.05	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 OVERALL 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	Cross Check		OK	\$411,871,467	
SEGMENT LENGTH (LFT)		71,227	20,303	25,568	7,355	14,957	38,103	31,111	72,331				53.21	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		Error		\$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 OVERALL 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	Cross Check OK		\$394,021,590		
SEGMENT LENGTH (LFT)		71,227	20,303	25,568	7,355	14,957	70,466	72,331			53.45	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 OVERALL 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	Cross Check OK		\$56,839,748		
SEGMENT LENGTH (LFT)		6,650	17,275	7,897	13,000	14,000	5,958	4,490	8,700			14.77	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		Error	\$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	

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.	%					
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 OVERALL 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 OVERALL 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							Cross Check	OK	\$15,763,912		
SEGMENT LENGTH (LFT)		17,275	0	0	0	0	0	0			3.27	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 OVERALL 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 OVERALL 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							Cross Check	OK	\$9,491,998		
SEGMENT LENGTH (LFT)		13,000	0	0	0	0	0	0			2.46	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	

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.	%					
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 OVERALL 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							Cross Check OK		\$9,182,406	
SEGMENT LENGTH (LFT)		14,000	0	0	0	0	0	0			2.65	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 OVERALL 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							Cross Check OK		\$5,942,567		
SEGMENT LENGTH (LFT)		5,958	0	0	0	0	0	0			1.13	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 OVERALL 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							Cross Check OK		\$3,146,264		
SEGMENT LENGTH (LFT)		4,490	0	0	0	0	0	0			0.85	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 OVERALL 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							Cross Check OK		\$4,320,621		
SEGMENT LENGTH (LFT)		8,700	0	0	0	0	0	0			1.65	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 OVERALL 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	Cross Check OK		\$240,674,706		
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	85,698	0	0	0			40.40	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	Cross Check OK		\$52,188,070		
SEGMENT LENGTH (LFT)		10,748	6,400	8,787	10,521	6,185	8,931	5,650	7,500	5,695			13.34	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	

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.	%					
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 OVERALL 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							Cross Check	OK	\$5,182,665		
SEGMENT LENGTH (LFT)		10,748	0	0	0	0	0	0			2.04	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 OVERALL 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							Cross Check OK		\$4,441,265		
SEGMENT LENGTH (LFT)		6,400	0	0	0	0	0	0			1.21	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 OVERALL 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				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 OVERALL 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							Cross Check	OK	\$7,320,258	
SEGMENT LENGTH (LFT)		10,521	0	0	0	0	0	0			1.99	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 OVERALL 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							Cross Check	OK	\$9,184,659		
SEGMENT LENGTH (LFT)		6,185	0	0	0	0	0	0			1.17	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 OVERALL 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							Cross Check	OK	\$5,387,161		
SEGMENT LENGTH (LFT)		8,931	0	0	0	0	0	0			1.69	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 OVERALL 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							Cross Check	OK	\$4,221,855		
SEGMENT LENGTH (LFT)		5,650	0	0	0	0	0	0			1.07	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 OVERALL 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							Cross Check OK		\$4,993,122		
SEGMENT LENGTH (LFT)		7,500	0	0	0	0	0	0			1.42	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 OVERALL 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							Cross Check	OK	\$5,721,110		
SEGMENT LENGTH (LFT)		5,695	0	0	0	0	0	0			1.08	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 OVERALL 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	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES
P4 - SUPER 2**

ITEM #	DESCRIPTION	SEGMENT NUMBER						TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	2	3	4							
1	COMMON EXCAVATION	4,280,852	1,029,169	310,665	928,698			6,549,385	CYS	\$7.00	\$45,845,692.65	26.6%
2	ROCK EXCAVATION	1,070,213	257,292	77,666	163,888			1,569,060	CYS	\$7.00	\$10,983,416.68	6.4%
3	BORROW	309,619	0	207,209	0			516,828	CYS	\$6.00	\$3,100,965.68	1.8%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	2,420,680	553,345	229,647	431,037			3,634,709	SYS	\$1.00	\$3,634,708.78	2.1%
5	SETTLEMENT PLATE	230	61	18	44			352	EA	\$1,100.00	\$387,646.60	0.2%
6	STAKE, LATERAL	230	61	18	44			352	EA	\$375.00	\$132,152.25	0.1%
7	STAKE, SETTLEMENT	230	61	18	44			352	EA	\$150.00	\$52,860.90	0.0%
8	SUBGRADE TREATMENT, TYPE IB	840,181	212,857	63,947	142,219			1,259,204	SYS	\$6.00	\$7,555,221.33	4.4%
9	QC/QA, SURFACE, 9.5mm	61,536	15,601	4,675	10,384			92,196	TON	\$80.00	\$7,375,696.53	4.3%
10	QC/QA, INTERMEDIATE, 19.0mm	194,502	49,330	14,777	32,841			291,451	TON	\$62.00	\$18,069,945.05	10.5%
11	QC/QA, BASE, 25.0mm	217,671	55,604	16,543	37,149			326,966	SYS	\$59.00	\$19,291,014.45	11.2%
12	JOINT ADHESIVE, SURFACE	664,823	163,298	50,080	105,177			983,378	LFT	\$0.50	\$491,689.00	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	923,359	226,784	69,070	143,651			1,362,864	LFT	\$0.50	\$681,432.00	0.4%
14	ASPHALT FOR TACK COAT	186	47	14	31			279	TON	\$1,000.00	\$279,382.44	0.2%
15	COMPACTED AGGREGATE, NO. 53	143,337	35,515	11,002	23,978			213,832	TON	\$22.00	\$4,704,308.78	2.7%
16	INLET, TYPE P	0	0	0	0			0	EA	\$3,000.00	\$165.61	0.0%
17	PIPE, TYPE 2, 15"	1	1	0	1			3	LFT	\$45.00	\$148.19	0.0%
18	END SECTION, 15"	0	0	0	0			0	EA	\$500.00	\$27.60	0.0%
19	REVTMENT RIPRAP	6,788	2,350	178	1,405			10,720	TON	\$30.00	\$321,606.82	0.2%
20	GEOTEXTILES FOR RIPRAP	8,398	2,873	231	1,725			13,227	SYS	\$4.00	\$52,908.49	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	0	5	2	4			11	CYS	\$30.00	\$327.99	0.0%
22	SEEDING, TYPE R	84,507	20,007	8,581	16,484			129,578	LBS	\$3.00	\$388,735.01	0.2%
23	MULCHING	824	195	84	161			1,264	TON	\$450.00	\$568,880.50	0.3%
24	FERTILIZER	165	39	17	32			253	TON	\$850.00	\$214,910.41	0.1%
25	UNDERDRAIN, 4"	424,302	106,892	32,760	73,578			637,532	LFT	\$3.00	\$1,912,596.00	1.1%
26	AGGREGATE FOR UNDERDRAIN	38,187	9,620	2,948	6,622			57,378	CYS	\$43.00	\$2,467,248.84	1.4%
27	GEOTEXTILES FOR UNDERDRAIN	196,122	49,408	15,142	34,009			294,681	SYS	\$1.50	\$442,022.19	0.3%
28	OUTLET PROTECTOR	1,061	267	82	184			1,594	EA	\$900.00	\$1,434,447.00	0.8%
29	PAVEMENT MARKINGS	609,296	149,764	44,058	103,367			906,484	LFT	\$1.00	\$906,483.50	0.5%
30	FENCE, RIGHT-OF-WAY	230,166	60,526	18,050	43,664			352,406	LFT	\$6.00	\$2,114,436.00	1.2%
31	CULVERT, CIRCULAR	7,407	1,635	600	1,825			11,467	LFT	\$200.00	\$2,293,400.00	1.3%
32	CULVERT, 4-SIDED BOX	5,215	1,739	0	0			6,954	LFT	\$750.00	\$5,215,500.00	3.0%
33	CULVERT, 3-SIDED BOX	0	0	0	0			0	LFT	\$2,500.00	\$0.00	0.0%
34	BRIDGE	10,339	487	5,848	453			17,127	SYS	\$1,850.00	\$31,685,073.33	18.4%
SUB-TOTAL OF QUANTIFIED ITEMS		\$112,785,264	\$23,902,987	\$18,683,335	\$17,233,464	\$0	\$0	\$0	Cross Check OK		\$172,605,050.59	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	0	0	0			27.00	MILES

LUMP SUM ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		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	\$5,178,152	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	\$863,025	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	\$1,726,051	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	\$2,934,286	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	\$9,148,068	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	\$2,589,076	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	\$1,726,051	1.0%
SUB-TOTAL OF LUMP SUM ITEMS		\$15,789,937		\$3,346,418		\$2,615,667		\$2,412,685		\$0		\$0		\$0		Cross Check		OK	\$24,164,707	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$128,575,201		\$27,249,405		\$21,299,002		\$19,646,149		\$0		\$0		\$0		Cross Check		OK	\$196,769,758	
CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY COST		\$154,290,241		\$32,699,286		\$25,558,803		\$23,575,379		\$0		\$0		\$0		Cross Check		OK	\$236,123,709	
TOTAL ROADWAY COST PER MILE OF MAINLINE		\$8,392,596		\$7,447,364		\$18,348,128		\$8,322,391		#DIV/0!		#DIV/0!		#DIV/0!					\$8,745,139	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		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	\$11,806,185	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	\$11,806,185	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	\$35,418,556	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	\$23,612,371	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	\$28,334,845	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		\$0		\$0		\$0		Cross Check		OK	\$110,978,143	
TOTAL OVERALL COST OF PROJECT		\$226,806,655		\$48,067,950		\$37,571,440		\$34,655,808		\$0		\$0		\$0		Cross Check		OK	\$347,101,853	
TOTAL OVERALL COST OF PROJECT PER MILE		\$12,337,116		\$10,947,624		\$26,971,748		\$12,233,915		#DIV/0!		#DIV/0!		#DIV/0!					\$12,855,354	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES
 P4 - SUPER 2 [CONTINUED]**

ITEM #	DESCRIPTION	QUANTIFIED ITEMS						TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		SEGMENT NUMBER										
		5 (trunk)	P4	8 (trunk)	6							
1	COMMON EXCAVATION	2,164,496	228,727	769,215	3,277,321			6,439,759	CYS	\$7.00	\$45,078,313.25	30.7%
2	ROCK EXCAVATION	381,970	40,364	135,744	578,351			1,136,428	CYS	\$7.00	\$7,954,996.46	5.4%
3	BORROW	0	0	422,635	834,246			1,256,882	CYS	\$6.00	\$7,541,290.43	5.1%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	977,947	196,838	581,558	1,762,732			3,519,075	SYS	\$1.00	\$3,519,075.37	2.4%
5	SETTLEMENT PLATE	90	28	61	169			347	EA	\$1,100.00	\$382,034.60	0.3%
6	STAKE, LATERAL	90	28	61	169			347	EA	\$375.00	\$130,239.07	0.1%
7	STAKE, SETTLEMENT	90	28	61	169			347	EA	\$150.00	\$52,095.63	0.0%
8	SUBGRADE TREATMENT, TYPE IB	327,331	108,587	225,281	611,607			1,272,806	SYS	\$6.00	\$7,636,835.84	5.2%
9	QC/QA, SURFACE, 9.5mm	23,923	8,015	16,616	44,709			93,264	TON	\$80.00	\$7,461,092.50	5.1%
10	QC/QA, INTERMEDIATE, 19.0mm	75,597	25,345	52,558	141,293			294,793	TON	\$62.00	\$18,277,180.62	12.4%
11	QC/QA, BASE, 25.0mm	84,193	28,593	59,643	157,621			330,050	SYS	\$59.00	\$19,472,942.83	13.3%
12	JOINT ADHESIVE, SURFACE	262,271	85,845	172,401	486,751			1,007,268	LFT	\$0.50	\$503,633.77	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	362,088	122,325	244,576	672,073			1,401,062	LFT	\$0.50	\$700,530.86	0.5%
14	ASPHALT FOR TACK COAT	72	24	50	135			283	TON	\$1,000.00	\$282,617.14	0.2%
15	COMPACTED AGGREGATE, NO. 53	57,133	17,404	35,677	106,200			216,415	TON	\$22.00	\$4,761,119.58	3.2%
16	INLET, TYPE P	0	0	0	0			0	EA	\$3,000.00	\$439.82	0.0%
17	PIPE, TYPE 2, 15"	2	1	1	4			8	LFT	\$45.00	\$367.93	0.0%
18	END SECTION, 15"	0	0	0	0			0	EA	\$500.00	\$73.30	0.0%
19	REVTMENT RIPRAP	2,663	281	1,760	5,871			10,575	TON	\$30.00	\$317,248.66	0.2%
20	GEOTEXTILES FOR RIPRAP	3,341	345	2,187	7,247			13,120	SYS	\$4.00	\$52,478.75	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	9	2	5	16			33	CYS	\$30.00	\$981.14	0.0%
22	SEEDING, TYPE R	33,589	5,805	21,201	59,133			119,728	LBS	\$3.00	\$359,182.86	0.2%
23	MULCHING	328	57	207	577			1,168	TON	\$450.00	\$525,633.46	0.4%
24	FERTILIZER	66	11	41	115			234	TON	\$850.00	\$198,572.64	0.1%
25	UNDERDRAIN, 4"	168,074	51,450	107,460	313,534			640,518	LFT	\$3.00	\$1,921,555.08	1.3%
26	AGGREGATE FOR UNDERDRAIN	15,127	4,631	9,671	28,218			57,647	CYS	\$43.00	\$2,478,806.05	1.7%
27	GEOTEXTILES FOR UNDERDRAIN	77,687	23,781	49,671	144,922			296,062	SYS	\$1.50	\$444,092.73	0.3%
28	OUTLET PROTECTOR	420	129	269	784			1,601	EA	\$900.00	\$1,441,166.31	1.0%
29	PAVEMENT MARKINGS	220,318	74,370	159,234	414,570			868,492	LFT	\$1.00	\$868,491.91	0.6%
30	FENCE, RIGHT-OF-WAY	89,657	27,810	60,965	168,872			347,304	LFT	\$6.00	\$2,083,825.08	1.4%
31	CULVERT, CIRCULAR	3,634	135	1,710	4,830			10,309	LFT	\$200.00	\$2,061,800.00	1.4%
32	CULVERT, 4-SIDED BOX	1,145	485	1,240	4,475			7,345	LFT	\$750.00	\$5,508,750.00	3.8%
33	CULVERT, 3-SIDED BOX	0	0	0	0			0	LFT	\$2,500.00	\$0.00	0.0%
34	BRIDGE	418	418	557	1,218			2,611	SYS	\$1,850.00	\$4,830,041.67	3.3%
SUB-TOTAL OF QUANTIFIED ITEMS		\$39,286,483	\$9,160,212	\$24,189,001	\$74,211,809	\$0	\$0	\$0	Cross Check OK		\$146,847,505.32	
SEGMENT LENGTH (LFT)		39,208	11,820	23,248	72,331	0	0	0			27.77	MILES

LUMP SUM ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		5 (trunk)		P4		8 (trunk)		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	\$4,405,425	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	\$734,238	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	\$1,468,475	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	\$2,496,408	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	\$7,782,918	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	\$2,202,713	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	\$1,468,475	1.0%
SUB-TOTAL OF LUMP SUM ITEMS		\$5,500,108		\$1,282,430		\$3,386,460		\$10,389,653		\$0		\$0		\$0		Cross Check		OK	\$20,558,651	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$44,786,591		\$10,442,642		\$27,575,462		\$84,601,462		\$0		\$0		\$0		Cross Check		OK	\$167,406,156	
CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY COST		\$53,743,909		\$12,531,170		\$33,090,554		\$101,521,754		\$0		\$0		\$0		Cross Check		OK	\$200,887,387	
TOTAL ROADWAY COST PER MILE OF MAINLINE		\$7,237,412		\$5,597,680		\$7,515,527		\$7,410,859		#DIV/0!		#DIV/0!		#DIV/0!					\$7,234,885	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		5 (trunk)		P4		8 (trunk)		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	\$10,044,369	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	\$10,044,369	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	\$30,133,108	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	\$20,088,739	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	\$24,106,486	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		\$25,259,637		\$5,889,650		\$15,552,560		\$47,715,224		\$0		\$0		\$0		Cross Check		OK	\$94,417,072	
TOTAL OVERALL COST OF PROJECT		\$79,003,546		\$18,420,820		\$48,643,114		\$149,236,979		\$0		\$0		\$0		Cross Check		OK	\$295,304,459	
TOTAL OVERALL COST OF PROJECT PER MILE		\$10,638,995		\$8,228,590		\$11,047,825		\$10,893,963		#DIV/0!		#DIV/0!		#DIV/0!					\$10,635,281	

GRAND TOTAL OVERALL COST OF PROJECT		\$642,406,312
GRAND TOTAL OVERALL COST OF PROJECT PER MILE		\$23,490,634

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES
P3 - SUPER 2**

ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	2	3	4	5 (trunk)	P3	6 (trunk)					
		1	COMMON EXCAVATION	4,280,852	1,029,169	310,665	928,698	1,993,686					
2	ROCK EXCAVATION	1,070,213	257,292	77,666	163,888	351,827	102,518	572,169	2,595,573	CYS	\$7.00	\$18,169,010.17	5.9%
3	BORROW	309,619	0	207,209	0	0	550,800	0	1,067,628	CYS	\$6.00	\$6,405,765.40	2.1%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	2,420,680	553,345	229,647	431,037	886,174	654,116	1,637,973	6,812,973	SYS	\$1.00	\$6,812,972.54	2.2%
5	SETTLEMENT PLATE	230	61	18	44	80	88	157	677	EA	\$1,100.00	\$744,652.85	0.2%
6	STAKE, LATERAL	230	61	18	44	80	88	157	677	EA	\$375.00	\$253,858.93	0.1%
7	STAKE, SETTLEMENT	230	61	18	44	80	88	157	677	EA	\$150.00	\$101,543.57	0.0%
8	SUBGRADE TREATMENT, TYPE IB	840,181	212,857	63,947	142,219	288,575	348,567	570,213	2,466,559	SYS	\$6.00	\$14,799,352.32	4.8%
9	QC/QA, SURFACE, 9.5mm	61,536	15,601	4,675	10,384	21,067	25,751	41,721	180,735	TON	\$80.00	\$14,458,810.61	4.7%
10	QC/QA, INTERMEDIATE, 19.0mm	194,502	49,330	14,777	32,841	66,565	81,426	131,863	571,304	TON	\$62.00	\$35,420,877.97	11.5%
11	QC/QA, BASE, 25.0mm	217,671	55,604	16,543	37,149	74,017	91,821	147,376	640,180	SYS	\$59.00	\$37,770,613.11	12.2%
12	JOINT ADHESIVE, SURFACE	664,823	163,298	50,080	105,177	231,645	277,263	451,825	1,944,111	LFT	\$0.50	\$972,055.71	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	923,359	226,784	69,070	143,651	318,657	396,303	625,505	2,703,329	LFT	\$0.50	\$1,351,664.28	0.4%
14	ASPHALT FOR TACK COAT	186	47	14	31	64	78	126	548	TON	\$1,000.00	\$547,682.22	0.2%
15	COMPACTED AGGREGATE, NO. 53	143,337	35,515	11,002	23,978	50,849	55,677	98,103	418,461	TON	\$22.00	\$9,206,136.57	3.0%
16	INLET, TYPE P	0	0	0	0	0	0	0	0	EA	\$3,000.00	\$584.33	0.0%
17	PIPE, TYPE 2, 15"	1	1	0	1	2	2	4	11	LFT	\$45.00	\$490.37	0.0%
18	END SECTION, 15"	0	0	0	0	0	0	0	0	EA	\$500.00	\$97.39	0.0%
19	REVTMENT RIPRAP	6,788	2,350	178	1,405	1,924	1,774	5,871	20,289	TON	\$30.00	\$608,667.76	0.2%
20	GEOTEXTILES FOR RIPRAP	8,398	2,873	231	1,725	2,420	2,185	7,247	25,079	SYS	\$4.00	\$100,316.74	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	0	5	2	4	8	7	15	41	CYS	\$30.00	\$1,240.48	0.0%
22	SEEDING, TYPE R	84,507	20,007	8,581	16,484	29,885	20,191	57,825	237,479	LBS	\$3.00	\$712,437.61	0.2%
23	MULCHING	824	195	84	161	292	197	564	2,317	TON	\$450.00	\$1,042,591.62	0.3%
24	FERTILIZER	165	39	17	32	58	39	113	463	TON	\$850.00	\$393,867.94	0.1%
25	UNDERDRAIN, 4"	424,302	106,892	32,760	73,578	149,483	163,969	290,250	1,241,234	LFT	\$3.00	\$3,723,702.84	1.2%
26	AGGREGATE FOR UNDERDRAIN	38,187	9,620	2,948	6,622	13,454	14,757	26,123	111,711	CYS	\$43.00	\$4,803,576.66	1.6%
27	GEOTEXTILES FOR UNDERDRAIN	196,122	49,408	15,142	34,009	69,095	75,790	134,160	573,726	SYS	\$1.50	\$860,589.10	0.3%
28	OUTLET PROTECTOR	1,061	267	82	184	374	410	726	3,103	EA	\$900.00	\$2,792,777.13	0.9%
29	PAVEMENT MARKINGS	609,296	149,764	44,058	103,367	193,776	237,319	388,375	1,725,954	LFT	\$1.00	\$1,725,953.57	0.6%
30	FENCE, RIGHT-OF-WAY	230,166	60,526	18,050	43,664	79,592	87,729	157,230	676,957	LFT	\$6.00	\$4,061,742.84	1.3%
31	CULVERT, CIRCULAR	7,407	1,635	600	1,825	2,864	1,120	4,830	20,281	LFT	\$200.00	\$4,056,200.00	1.3%
32	CULVERT, 4-SIDED BOX	5,215	1,739	0	0	925	1,890	4,475	14,244	LFT	\$750.00	\$10,683,000.00	3.5%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0	0	0	LFT	\$2,500.00	\$0.00	0.0%
34	BRIDGE	10,339	487	5,848	453	418	2,611	1,218	21,374	SYS	\$1,850.00	\$39,541,941.11	12.8%
SUB-TOTAL OF QUANTIFIED ITEMS		\$112,785,264	\$23,902,987	\$18,683,335	\$17,233,464	\$35,318,477	\$34,232,047	\$66,533,255	Cross Check OK		\$308,688,829.48		
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	34,946	38,120	66,510			53.44	MILES	

LUMP SUM ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		5 (trunk)		P3		6 (trunk)						
		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	\$9,260,665	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	\$1,543,444	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	\$3,086,888	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	\$5,247,710	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	\$16,360,508	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	\$4,630,332	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	\$3,086,888	1.0%
SUB-TOTAL OF LUMP SUM ITEMS		\$15,789,937		\$3,346,418		\$2,615,667		\$2,412,685		\$4,944,587		\$4,792,487		\$9,314,656		Cross Check		Error	\$43,216,436	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$128,575,201		\$27,249,405		\$21,299,002		\$19,646,149		\$40,263,064		\$39,024,533		\$75,847,910		Cross Check		OK	\$351,905,266	
CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY COST		\$154,290,241		\$32,699,286		\$25,558,803		\$23,575,379		\$48,315,677		\$46,829,440		\$91,017,492		Cross Check		OK	\$422,286,319	
TOTAL ROADWAY COST PER MILE OF MAINLINE		\$8,392,596		\$7,447,364		\$18,348,128		\$8,322,391		\$7,300,057		\$6,486,394		\$7,225,565					\$7,902,754	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		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	\$21,114,316	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	\$21,114,316	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	\$63,342,948	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	\$42,228,632	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	\$50,674,358	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		\$22,708,368		\$22,009,837		\$42,778,221		Cross Check		OK	\$198,474,570	
TOTAL OVERALL COST OF PROJECT		\$226,806,655		\$48,067,950		\$37,571,440		\$34,655,808		\$71,024,045		\$68,839,277		\$133,795,714		Cross Check		Error	\$620,760,889	
TOTAL OVERALL COST OF PROJECT PER MILE		\$12,337,116		\$10,947,624		\$26,971,748		\$12,233,915		\$10,731,084		\$9,534,999		\$10,621,581					\$11,617,049	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES
P2 - SUPER 2**

ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	2	3	4	5 (trunk)	P2	6 (trunk)					
		1	COMMON EXCAVATION	4,280,852	1,029,169	310,665	928,698	2,196,737					
2	ROCK EXCAVATION	1,070,213	257,292	77,666	163,888	387,659	57,164	572,169	2,586,052	CYS	\$7.00	\$18,102,362.87	6.1%
3	BORROW	309,619	0	207,209	0	0	20,561	0	537,389	CYS	\$6.00	\$3,224,332.54	1.1%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	2,420,680	553,345	229,647	431,037	988,853	344,611	2,960,432	7,928,605	SYS	\$1.00	\$7,928,604.82	2.7%
5	SETTLEMENT PLATE	230	61	18	44	91	43	157	643	EA	\$1,100.00	\$707,796.74	0.2%
6	STAKE, LATERAL	230	61	18	44	91	43	157	643	EA	\$375.00	\$241,294.34	0.1%
7	STAKE, SETTLEMENT	230	61	18	44	91	43	157	643	EA	\$150.00	\$96,517.74	0.0%
8	SUBGRADE TREATMENT, TYPE IB	840,181	212,857	63,947	142,219	330,919	152,888	570,213	2,313,223	SYS	\$6.00	\$13,879,340.37	4.7%
9	QC/QA, SURFACE, 9.5mm	61,536	15,601	4,675	10,384	24,182	11,037	41,721	169,137	TON	\$80.00	\$13,530,927.11	4.6%
10	QC/QA, INTERMEDIATE, 19.0mm	194,502	49,330	14,777	32,841	76,415	34,831	131,863	534,559	TON	\$62.00	\$33,142,661.91	11.2%
11	QC/QA, BASE, 25.0mm	217,671	55,604	16,543	37,149	85,081	37,862	147,376	597,285	SYS	\$59.00	\$35,239,786.90	11.9%
12	JOINT ADHESIVE, SURFACE	664,823	163,298	50,080	105,177	265,298	128,699	451,825	1,829,200	LFT	\$0.50	\$914,599.87	0.3%
13	JOINT ADHESIVE, INTERMEDIATE	923,359	226,784	69,070	143,651	366,123	171,549	625,505	2,526,041	LFT	\$0.50	\$1,263,020.66	0.4%
14	ASPHALT FOR TACK COAT	186	47	14	31	73	33	126	513	TON	\$1,000.00	\$512,535.12	0.2%
15	COMPACTED AGGREGATE, NO. 53	143,337	35,515	11,002	23,978	57,835	29,872	98,103	399,642	TON	\$22.00	\$8,792,133.32	3.0%
16	INLET, TYPE P	0	0	0	0	0	0	0	0	EA	\$3,000.00	\$548.55	0.0%
17	PIPE, TYPE 2, 15"	1	1	0	1	2	1	6	12	LFT	\$45.00	\$556.36	0.0%
18	END SECTION, 15"	0	0	0	0	0	0	0	0	EA	\$500.00	\$91.42	0.0%
19	REVTMENT RIPRAP	6,788	2,350	178	1,405	2,471	1,301	5,871	20,364	TON	\$30.00	\$610,905.97	0.2%
20	GEOTEXTILES FOR RIPRAP	8,398	2,873	231	1,725	3,112	1,611	7,247	25,196	SYS	\$4.00	\$100,785.59	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	0	5	2	4	9	4	23	47	CYS	\$30.00	\$1,416.47	0.0%
22	SEEDING, TYPE R	84,507	20,007	8,581	16,484	33,997	9,326	114,166	287,067	LBS	\$3.00	\$861,201.85	0.3%
23	MULCHING	824	195	84	161	332	91	1,114	2,801	TON	\$450.00	\$1,260,295.39	0.4%
24	FERTILIZER	165	39	17	32	66	18	223	560	TON	\$850.00	\$476,111.59	0.2%
25	UNDERDRAIN, 4"	424,302	106,892	32,760	73,578	170,092	85,999	290,250	1,183,873	LFT	\$3.00	\$3,551,619.48	1.2%
26	AGGREGATE FOR UNDERDRAIN	38,187	9,620	2,948	6,622	15,308	7,740	26,123	106,549	CYS	\$43.00	\$4,581,589.13	1.5%
27	GEOTEXTILES FOR UNDERDRAIN	196,122	49,408	15,142	34,009	78,620	39,751	134,160	547,212	SYS	\$1.50	\$820,818.72	0.3%
28	OUTLET PROTECTOR	1,061	267	82	184	425	215	726	2,960	EA	\$900.00	\$2,663,714.61	0.9%
29	PAVEMENT MARKINGS	609,296	149,764	44,058	103,367	222,588	97,012	388,375	1,614,459	LFT	\$1.00	\$1,614,458.56	0.5%
30	FENCE, RIGHT-OF-WAY	230,166	60,526	18,050	43,664	90,666	43,150	157,230	643,452	LFT	\$6.00	\$3,860,709.48	1.3%
31	CULVERT, CIRCULAR	7,407	1,635	600	1,825	3,634	725	4,830	20,656	LFT	\$200.00	\$4,131,200.00	1.4%
32	CULVERT, 4-SIDED BOX	5,215	1,739	0	0	1,145	860	4,475	13,434	LFT	\$750.00	\$10,075,500.00	3.4%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0	0	0	LFT	\$2,500.00	\$0.00	0.0%
34	BRIDGE	10,339	487	5,848	453	418	1,601	1,218	20,365	SYS	\$1,850.00	\$37,674,325.00	12.7%
SUB-TOTAL OF QUANTIFIED ITEMS		\$112,785,264.16	\$23,902,986.67	\$18,683,335.35	\$17,233,464.40	\$39,754,735.94	\$15,322,503.31	\$68,365,860.37	Cross Check OK		\$296,048,150.21		
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	39,713	21,425	66,510			51.18	MILES	

LUMP SUM ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		5 (trunk)		P2		6 (trunk)						
		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	\$8,881,445	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	\$1,480,241	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	\$2,960,482	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	\$5,032,819	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	\$15,690,552	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	\$4,440,722	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	\$2,960,482	1.0%
SUB-TOTAL OF LUMP SUM ITEMS		\$15,789,937		\$3,346,418		\$2,615,667		\$2,412,685		\$5,565,663		\$2,145,150		\$9,571,220		Cross Check		OK	\$41,446,741	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$128,575,201		\$27,249,405		\$21,299,002		\$19,646,149		\$45,320,399		\$17,467,654		\$77,937,081		Cross Check		OK	\$337,494,891	
CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY COST		\$154,290,241		\$32,699,286		\$25,558,803		\$23,575,379		\$54,384,479		\$20,961,185		\$93,524,497		Cross Check		OK	\$404,993,869	
TOTAL ROADWAY COST PER MILE OF MAINLINE		\$8,392,596		\$7,447,364		\$18,348,128		\$8,322,391		\$7,230,644		\$5,165,731		\$7,424,588					\$7,913,702	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		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	\$20,249,693	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	\$20,249,693	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	\$60,749,080	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	\$40,499,387	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	\$48,599,264	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		\$72,516,413		\$15,368,664		\$12,012,637		\$11,080,428		\$25,560,705		\$9,851,757		\$43,956,514		Cross Check		OK	\$190,347,119	
TOTAL OVERALL COST OF PROJECT		\$226,806,655		\$48,067,950		\$37,571,440		\$34,655,808		\$79,945,184		\$30,812,941		\$137,481,011		Cross Check		OK	\$595,340,988	
TOTAL OVERALL COST OF PROJECT PER MILE		\$12,337,116		\$10,947,624		\$26,971,748		\$12,233,915		\$10,629,046		\$7,593,624		\$10,914,144					\$11,633,142	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES
P2 - SUPER 2 [CONTINUED]**

ITEM #	DESCRIPTION	QUANTIFIED ITEMS						TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST	
		SEGMENT NUMBER											
		P2											
1	COMMON EXCAVATION	323,931						323,931	CYS	\$7.00	\$2,267,519.71	22.8%	
2	ROCK EXCAVATION	57,164						57,164	CYS	\$7.00	\$400,150.54	4.0%	
3	BORROW	20,561						20,561	CYS	\$6.00	\$123,366.86	1.2%	
4	EMBANKMENT FOUNDATION SOILS TREATMENT	83,929						83,929	SYS	\$1.00	\$83,929.33	0.8%	
5	PCCP FOR APPROACHES. 9 IN.	6,583						6,583	SYS	\$85.00	\$559,583.33	5.6%	
6	DENSE GRADED SUBBASE 6 IN.	6,583						6,583	SYS	\$62.00	\$408,166.67	4.1%	
7	SUBGRADE TREATMENT, TYPE II	6,583						6,583	SYS	\$15.00	\$98,750.00	1.0%	
8	SUBGRADE TREATMENT, TYPE IB	53,559						53,559	SYS	\$6.00	\$321,354.45	3.2%	
9	QC/QA, SURFACE, 9.5mm	4,040						4,040	TON	\$80.00	\$323,201.30	3.2%	
10	QC/QA, INTERMEDIATE, 19.0mm	12,855						12,855	TON	\$62.00	\$796,985.01	8.0%	
11	QC/QA, BASE, 25.0mm	16,160						16,160	SYS	\$59.00	\$953,443.82	9.6%	
12	JOINT ADHESIVE, SURFACE	19,801						19,801	LFT	\$0.50	\$9,900.66	0.1%	
13	JOINT ADHESIVE, INTERMEDIATE	19,801						19,801	LFT	\$0.50	\$9,900.66	0.1%	
14	ASPHALT FOR TACK COAT	12						12	TON	\$1,000.00	\$12,242.47	0.1%	
15	COMPACTED AGGREGATE, NO. 53	2,587						2,587	TON	\$22.00	\$56,906.57	0.6%	
16	INLET, TYPE B	190						190	EA	\$3,000.00	\$568,539.60	5.7%	
17	PIPE, TYPE 2, 15"	5,306						5,306	LFT	\$45.00	\$238,786.63	2.4%	
18	GEOGRID TYPE IB	6,583						6,583	SYS	\$2.50	\$16,458.33	0.2%	
19	CURB AND GUTTER, COMBINED	18,951						18,951	LFT	\$30.00	\$568,539.60	5.7%	
20	SIDEWALK, CONCRETE	10,529						10,529	SYS	\$55.00	\$579,068.11	5.8%	
21	STRUCTURAL BACKFILL, TYPE 1	21,225						21,225	CYS	\$30.00	\$636,764.35	6.4%	
22	SEEDING, TYPE R	1,261						1,261	LBS	\$3.00	\$3,783.25	0.0%	
23	MULCHING	12						12	TON	\$450.00	\$5,536.46	0.1%	
24	FERTILIZER	2						2	TON	\$850.00	\$2,091.55	0.0%	
25	UNDERDRAIN, 4"	39,603						39,603	LFT	\$3.00	\$118,807.92	1.2%	
26	AGGREGATE FOR UNDERDRAIN	3,564						3,564	CYS	\$43.00	\$153,262.22	1.5%	
27	GEOTEXTILES FOR UNDERDRAIN	18,305						18,305	SYS	\$1.50	\$27,457.83	0.3%	
28	OUTLET PROTECTOR	99						99	EA	\$900.00	\$89,105.94	0.9%	
29	PAVEMENT MARKINGS	46,040						46,040	LFT	\$1.00	\$46,040.47	0.5%	
30	TEMPORARY TRAFFIC BARRIER, TYPE 2	9,476						9,476	LFT	\$45.00	\$426,404.70	4.3%	
31	CULVERT, CIRCULAR	0						0	LFT	\$200.00	\$0.00	0.0%	
32	CULVERT, 4-SIDED BOX	80						80	LFT	\$750.00	\$60,000.00	0.6%	
33	CULVERT, 3-SIDED BOX	0						0	LFT	\$2,500.00	\$0.00	0.0%	
34	BRIDGE	0						0	SYS	\$1,850.00	\$0.00	0.0%	
SUB-TOTAL OF QUANTIFIED ITEMS		\$9,966,048.35	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
SEGMENT LENGTH (LFT)		9,476	0	0	0	0	0	0	0	0	0	0	
										Cross Check	OK	\$9,966,048.35	
												1.79	MILES

LUMP SUM ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		P2																		
		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	\$298,981	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	\$49,830	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	\$99,660	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	\$169,423	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	\$528,201	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	\$149,491	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	\$99,660	1.0%
SUB-TOTAL OF LUMP SUM ITEMS		\$1,395,247		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$1,395,247	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$11,361,295		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$11,361,295	
CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY COST		\$13,633,554		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$13,633,554	
TOTAL ROADWAY COST PER MILE OF MAINLINE		\$7,596,850		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$7,596,850	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		P2																		
		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	\$681,678	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	\$681,678	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	\$2,045,033	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	\$1,363,355	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	\$1,636,026	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		\$6,407,770		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$6,407,770	
TOTAL OVERALL COST OF PROJECT		\$20,041,325		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$20,041,325	
TOTAL OVERALL COST OF PROJECT PER MILE		\$11,167,369		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$11,167,369	

GRAND TOTAL OVERALL COST OF PROJECT		\$615,382,313
GRAND TOTAL OVERALL COST OF PROJECT PER MILE		\$22,800,511

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES
P4 - EXPRESSWAY**

ITEM #	DESCRIPTION	QUANTIFIED ITEMS						TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		SEGMENT NUMBER										
		1	2	3	4							
1	COMMON EXCAVATION	5,960,947	1,819,022	473,258	896,054			9149282	CYS	\$7.00	\$64,044,972.54	25.2%
2	ROCK EXCAVATION	1,490,237	454,756	118,315	224,014			2287320	CYS	\$7.00	\$16,011,243.14	6.3%
3	BORROW	241,410	0	243,619	366,413			851442	CYS	\$6.00	\$5,108,651.39	2.0%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	3,359,113	767,094	342,457	544,816			5013480	SYS	\$1.00	\$5,013,479.56	2.0%
5	SETTLEMENT PLATE	234	55	19	43			351	EA	\$1,100.00	\$386,192.40	0.2%
6	STAKE, LATERAL	234	55	19	43			351	EA	\$375.00	\$131,656.50	0.1%
7	STAKE, SETTLEMENT	234	55	19	43			351	EA	\$150.00	\$52,662.60	0.0%
8	SUBGRADE TREATMENT, TYPE IB	1,091,582	262,348	76,007	171,270			1601207	SYS	\$6.00	\$9,607,240.00	3.8%
9	QC/QA, SURFACE, 9.5mm	81,497	19,433	5,655	12,795			119380	TON	\$80.00	\$9,550,376.00	3.8%
10	QC/QA, INTERMEDIATE, 19.0mm	256,623	61,167	17,798	40,311			375899	TON	\$62.00	\$23,305,726.84	9.2%
11	QC/QA, BASE, 25.0mm	266,928	63,076	18,306	42,404			390714	SYS	\$59.00	\$23,052,116.56	9.1%
12	JOINT ADHESIVE, SURFACE	678,537	161,578	46,200	102,662			988977	LFT	\$0.50	\$494,488.50	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	929,513	216,504	60,910	138,996			1345923	LFT	\$0.50	\$672,961.50	0.3%
14	ASPHALT FOR TACK COAT	247	59	17	39			362	TON	\$1,000.00	\$361,756.67	0.1%
15	COMPACTED AGGREGATE, NO. 53	197,217	49,009	14,579	30,704			291510	TON	\$22.00	\$6,413,221.80	2.5%
16	INLET, TYPE P	194	46	15	30			285	EA	\$3,000.00	\$855,378.00	0.3%
17	PIPE, TYPE 2, 15"	18,766	4,327	1,667	2,942			27703	LFT	\$45.00	\$1,246,619.25	0.5%
18	END SECTION, 15"	194	46	15	30			285	EA	\$500.00	\$142,563.00	0.1%
19	REVTMENT RIPRAP	7,300	2,020	251	1,273			10844	TON	\$30.00	\$325,328.90	0.1%
20	GEOTEXTILES FOR RIPRAP	9,764	2,647	378	1,679			14467	SYS	\$4.00	\$57,869.04	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	75,066	17,310	6,669	11,766			110811	CYS	\$30.00	\$3,324,318.00	1.3%
22	SEEDING, TYPE R	119,417	27,007	12,451	19,739			178613	LBS	\$3.00	\$535,838.66	0.2%
23	MULCHING	1,165	263	121	193			1743	TON	\$450.00	\$784,154.13	0.3%
24	FERTILIZER	233	53	24	39			349	TON	\$850.00	\$296,236.01	0.1%
25	UNDERDRAIN, 4"	466,850	120,572	33,560	72,828			693810	LFT	\$3.00	\$2,081,430.00	0.8%
26	AGGREGATE FOR UNDERDRAIN	42,017	10,851	3,020	6,555			62443	CYS	\$43.00	\$2,685,044.70	1.1%
27	GEOTEXTILES FOR UNDERDRAIN	215,788	55,731	15,512	33,663			320694	SYS	\$1.50	\$481,041.60	0.2%
28	OUTLET PROTECTOR	1,167	301	84	182			1735	EA	\$900.00	\$1,561,072.50	0.6%
29	PAVEMENT MARKINGS	633,380	139,764	41,378	99,727			914248	LFT	\$1.00	\$914,247.50	0.4%
30	FENCE, RIGHT-OF-WAY	234,314	55,006	18,850	42,914			351084	LFT	\$6.00	\$2,106,504.00	0.8%
31	CULVERT, CIRCULAR	9,622	1,685	915	1,986			14208	LFT	\$200.00	\$2,841,600.00	1.1%
32	CULVERT, 4-SIDED BOX	6,825	2,085	0	0			8910	LFT	\$750.00	\$6,682,500.00	2.6%
33	CULVERT, 3-SIDED BOX	0	0	0	0			0	LFT	\$2,500.00	\$0.00	0.0%
34	BRIDGE	24,613	4,367	4,168	992			34140	SYS	\$1,850.00	\$63,159,164.44	24.8%
SUB-TOTAL OF QUANTIFIED ITEMS		\$171,776,664	\$41,565,792	\$18,285,623	\$22,659,576	\$0.00	\$0.00	\$0.00	Cross Check OK		\$254,287,655.72	
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	0	0	0			27.00	MILES

LUMP SUM ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		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	\$7,628,630	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	\$1,271,438	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	\$2,542,877	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	\$4,322,890	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	\$13,477,246	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	\$3,814,315	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	\$2,542,877	1.0%
SUB-TOTAL OF LUMP SUM ITEMS		\$24,048,733		\$5,819,211		\$2,559,987		\$3,172,341		\$0		\$0		\$0		Cross Check		OK	\$35,600,272	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$195,825,397		\$47,385,003		\$20,845,611		\$25,831,917		\$0		\$0		\$0		Cross Check		OK	\$289,887,928	
CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY COST		\$234,990,476		\$56,862,004		\$25,014,733		\$30,998,300		\$0		\$0		\$0		Cross Check		OK	\$347,865,513	
TOTAL ROADWAY COST PER MILE OF MAINLINE		\$12,782,273		\$12,950,497		\$17,957,551		\$10,942,771		#DIV/0!		#DIV/0!		#DIV/0!					\$12,883,637	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		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	\$17,393,276	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	\$17,393,276	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	\$52,179,827	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	\$34,786,551	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	\$41,743,862	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		\$0		\$0		\$0		Cross Check		OK	\$163,496,791	
TOTAL OVERALL COST OF PROJECT		\$345,436,000		\$83,587,145		\$36,771,657		\$45,567,501		\$0		\$0		\$0		Cross Check		OK	\$511,362,304	
TOTAL OVERALL COST OF PROJECT PER MILE		\$18,789,942		\$19,037,231		\$26,397,600		\$16,085,873		#DIV/0!		#DIV/0!		#DIV/0!					\$18,938,946	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES
P4 - EXPRESSWAY [CONTINUED]**

ITEM #	DESCRIPTION	QUANTIFIED ITEMS						TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		SEGMENT NUMBER										
		5 (trunk)	P4	8 (trunk)	6							
1	COMMON EXCAVATION	2,282,562	248,319	858,176	4,167,568			7556626	CYS	\$7.00	\$52,896,378.53	24.5%
2	ROCK EXCAVATION	570,641	62,080	214,544	1,041,892			1889156	CYS	\$7.00	\$13,224,094.63	6.1%
3	BORROW	0	450,907	1,377,426	742,632			2570965	CYS	\$6.00	\$15,425,791.26	7.1%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,099,106	395,161	814,941	2,243,074			4552281	SYS	\$1.00	\$4,552,281.29	2.1%
5	SETTLEMENT PLATE	77	25	53	167			323	EA	\$1,100.00	\$355,003.97	0.2%
6	STAKE, LATERAL	77	25	53	167			323	EA	\$375.00	\$121,024.08	0.1%
7	STAKE, SETTLEMENT	77	25	53	167			323	EA	\$150.00	\$48,409.63	0.0%
8	SUBGRADE TREATMENT, TYPE IB	350,107	138,444	253,261	764,076			1505889	SYS	\$6.00	\$9,035,331.31	4.2%
9	QC/QA, SURFACE, 9.5mm	26,192	10,170	18,720	57,315			112396	TON	\$80.00	\$8,991,673.86	4.2%
10	QC/QA, INTERMEDIATE, 19.0mm	82,406	31,995	58,895	180,436			353732	TON	\$62.00	\$21,931,362.11	10.2%
11	QC/QA, BASE, 25.0mm	84,268	32,688	60,185	186,824			363965	SYS	\$59.00	\$21,473,952.78	9.9%
12	JOINT ADHESIVE, SURFACE	221,747	85,705	156,565	481,751			945768	LFT	\$0.50	\$472,883.82	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	300,191	113,625	207,340	662,793			1283949	LFT	\$0.50	\$641,974.26	0.3%
14	ASPHALT FOR TACK COAT	79	31	57	174			341	TON	\$1,000.00	\$340,593.71	0.2%
15	COMPACTED AGGREGATE, NO. 53	66,355	26,386	48,612	139,233			280585	TON	\$22.00	\$6,172,873.81	2.9%
16	INLET, TYPE P	70	24	46	145			285	EA	\$3,000.00	\$854,042.64	0.4%
17	PIPE, TYPE 2, 15"	6,406	2,246	4,495	13,020			26166	LFT	\$45.00	\$1,177,466.35	0.5%
18	END SECTION, 15"	70	24	46	145			285	EA	\$500.00	\$142,340.44	0.1%
19	REVTMENT RIPRAP	1,814	399	1,889	5,943			10046	TON	\$30.00	\$301,368.80	0.1%
20	GEOTEXTILES FOR RIPRAP	2,542	581	2,538	7,888			13549	SYS	\$4.00	\$54,196.12	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	25,624	8,983	17,978	52,078			104664	CYS	\$30.00	\$3,139,910.27	1.5%
22	SEEDING, TYPE R	35,697	14,674	28,893	71,831			151095	LBS	\$3.00	\$453,283.76	0.2%
23	MULCHING	348	143	282	701			1474	TON	\$450.00	\$663,342.09	0.3%
24	FERTILIZER	70	29	56	140			295	TON	\$850.00	\$250,595.90	0.1%
25	UNDERDRAIN, 4"	146,838	68,290	118,590	312,094			645812	LFT	\$3.00	\$1,937,435.28	0.9%
26	AGGREGATE FOR UNDERDRAIN	13,215	6,146	10,673	28,088			58123	CYS	\$43.00	\$2,499,291.51	1.2%
27	GEOTEXTILES FOR UNDERDRAIN	67,872	31,565	54,815	144,257			298509	SYS	\$1.50	\$447,762.82	0.2%
28	OUTLET PROTECTOR	367	171	296	780			1615	EA	\$900.00	\$1,453,076.46	0.7%
29	PAVEMENT MARKINGS	179,939	70,690	131,294	407,410			789332	LFT	\$1.00	\$789,331.98	0.4%
30	FENCE, RIGHT-OF-WAY	76,954	25,450	52,895	167,432			322731	LFT	\$6.00	\$1,936,385.28	0.9%
31	CULVERT, CIRCULAR	3,715	215	3,106	6,695			13731	LFT	\$200.00	\$2,746,200.00	1.3%
32	CULVERT, 4-SIDED BOX	810	410	1,655	5,160			8035	LFT	\$750.00	\$6,026,250.00	2.8%
33	CULVERT, 3-SIDED BOX	0	0	0	0			0	LFT	\$2,500.00	\$0.00	0.0%
34	BRIDGE	1,638	4,367	2,779	10,321			19105	SYS	\$1,850.00	\$35,343,427.78	16.4%
SUB-TOTAL OF QUANTIFIED ITEMS		\$45,425,440	\$21,505,168	\$38,050,563	\$110,918,166	\$0.00	\$0.00	\$0.00	Cross Check OK		\$215,899,336.51	
SEGMENT LENGTH (LFT)		39,205	11,820	23,247	72,331	0	0	0			27.77	MILES

LUMP SUM ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		5 (trunk)		P4		8 (trunk)		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	\$6,476,980	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	\$1,079,497	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	\$2,158,993	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	\$3,670,289	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	\$11,442,665	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	\$3,238,490	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	\$2,158,993	1.0%
SUB-TOTAL OF LUMP SUM ITEMS		\$6,359,562		\$3,010,724		\$5,327,079		\$15,528,543		\$0		\$0		\$0		Cross Check		OK	\$30,225,907	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$51,785,001		\$24,515,891		\$43,377,642		\$126,446,709		\$0		\$0		\$0		Cross Check		OK	\$246,125,244	
CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY COST		\$62,142,002		\$29,419,070		\$52,053,170		\$151,736,051		\$0		\$0		\$0		Cross Check		OK	\$295,350,292	
TOTAL ROADWAY COST PER MILE OF MAINLINE		\$8,369,174		\$13,141,513		\$11,822,383		\$11,076,390		#DIV/0!		#DIV/0!		#DIV/0!					\$10,637,224	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		5 (trunk)		P4		8 (trunk)		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	\$14,767,515	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	\$14,767,515	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	\$44,302,544	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	\$29,535,029	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	\$35,442,035	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		\$29,206,741		\$13,826,963		\$24,464,990		\$71,315,944		\$0		\$0		\$0		Cross Check		OK	\$138,814,637	
TOTAL OVERALL COST OF PROJECT		\$91,348,742		\$43,246,033		\$76,518,160		\$223,051,995		\$0		\$0		\$0		Cross Check		OK	\$434,164,930	
TOTAL OVERALL COST OF PROJECT PER MILE		\$12,302,685		\$19,318,025		\$17,378,903		\$16,282,293		#DIV/0!		#DIV/0!		#DIV/0!					\$15,636,720	

GRAND TOTAL OVERALL COST OF PROJECT	\$945,527,234
GRAND TOTAL OVERALL COST OF PROJECT PER MILE	\$34,575,666

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES
P3 - EXPRESSWAY**

ITEM #	DESCRIPTION	SEGMENT NUMBER							TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1	2	3	4	5 (trunk)	P3	6 (trunk)					
		1	COMMON EXCAVATION	5,960,947	1,819,022	473,258	896,054	2,282,562					
2	ROCK EXCAVATION	1,490,237	454,756	118,315	224,014	570,641	227,627	978,641	4064229	CYS	\$7.00	\$28,449,601.42	6.2%
3	BORROW	241,410	0	243,619	366,413	0	392,882	780,079	2024403	CYS	\$6.00	\$12,146,420.99	2.6%
4	EMBANKMENT FOUNDATION SOILS TREATMENT	3,359,113	767,094	342,457	544,816	1,099,106	1,112,635	2,076,892	9302113	SYS	\$1.00	\$9,302,112.80	2.0%
5	SETTLEMENT PLATE	234	55	19	43	77	85	156	669	EA	\$1,100.00	\$736,095.05	0.2%
6	STAKE, LATERAL	234	55	19	43	77	85	156	669	EA	\$375.00	\$250,941.50	0.1%
7	STAKE, SETTLEMENT	234	55	19	43	77	85	156	669	EA	\$150.00	\$100,376.60	0.0%
8	SUBGRADE TREATMENT, TYPE IB	1,091,582	262,348	76,007	171,270	350,107	433,206	709,747	3094267	SYS	\$6.00	\$18,565,599.63	4.0%
9	QC/QA, SURFACE, 9.5mm	81,497	19,433	5,655	12,795	26,192	32,073	53,259	230904	TON	\$80.00	\$18,472,304.52	4.0%
10	QC/QA, INTERMEDIATE, 19.0mm	256,623	61,167	17,798	40,311	82,406	100,938	167,688	726930	TON	\$62.00	\$45,069,681.00	9.8%
11	QC/QA, BASE, 25.0mm	266,928	63,076	18,306	42,404	84,268	103,817	174,018	752816	SYS	\$59.00	\$44,416,157.29	9.7%
12	JOINT ADHESIVE, SURFACE	678,537	161,578	46,200	102,662	221,747	269,593	446,825	1927142	LFT	\$0.50	\$963,570.98	0.2%
13	JOINT ADHESIVE, INTERMEDIATE	929,513	216,504	60,910	138,996	300,191	362,953	616,225	2625291	LFT	\$0.50	\$1,312,645.64	0.3%
14	ASPHALT FOR TACK COAT	247	59	17	39	79	97	161	700	TON	\$1,000.00	\$699,708.50	0.2%
15	COMPACTED AGGREGATE, NO. 53	197,217	49,009	14,579	30,704	66,355	80,859	128,451	567174	TON	\$22.00	\$12,477,833.67	2.7%
16	INLET, TYPE P	194	46	15	30	70	76	133	564	EA	\$3,000.00	\$1,692,807.96	0.4%
17	PIPE, TYPE 2, 15"	18,766	4,327	1,667	2,942	6,406	6,734	12,194	53037	LFT	\$45.00	\$2,386,649.53	0.5%
18	END SECTION, 15"	194	46	15	30	70	76	133	564	EA	\$500.00	\$282,134.66	0.1%
19	REVTMENT RIPRAP	7,300	2,020	251	1,273	1,814	2,067	5,693	20418	TON	\$30.00	\$612,533.73	0.1%
20	GEOTEXTILES FOR RIPRAP	9,764	2,647	378	1,679	2,542	2,832	7,542	27383	SYS	\$4.00	\$109,532.55	0.0%
21	STRUCTURAL BACKFILL, TYPE 1	75,066	17,310	6,669	11,766	25,624	26,938	48,774	212147	CYS	\$30.00	\$6,364,398.75	1.4%
22	SEEDING, TYPE R	119,417	27,007	12,451	19,739	35,697	38,749	69,482	322541	LBS	\$3.00	\$967,622.09	0.2%
23	MULCHING	1,165	263	121	193	348	378	678	3147	TON	\$450.00	\$1,416,032.32	0.3%
24	FERTILIZER	233	53	24	39	70	76	136	629	TON	\$850.00	\$534,945.54	0.1%
25	UNDERDRAIN, 4"	466,850	120,572	33,560	72,828	146,838	199,989	288,810	1329447	LFT	\$3.00	\$3,988,339.92	0.9%
26	AGGREGATE FOR UNDERDRAIN	42,017	10,851	3,020	6,555	13,215	17,999	25,993	119650	CYS	\$43.00	\$5,144,958.50	1.1%
27	GEOTEXTILES FOR UNDERDRAIN	215,788	55,731	15,512	33,663	67,872	92,439	133,494	614500	SYS	\$1.50	\$921,749.67	0.2%
28	OUTLET PROTECTOR	1,167	301	84	182	367	500	722	3324	EA	\$900.00	\$2,991,254.94	0.7%
29	PAVEMENT MARKINGS	633,380	139,764	41,378	99,727	179,939	226,079	381,215	1701480	LFT	\$1.00	\$1,701,479.97	0.4%
30	FENCE, RIGHT-OF-WAY	234,314	55,006	18,850	42,914	76,954	85,349	155,790	669177	LFT	\$6.00	\$4,015,063.92	0.9%
31	CULVERT, CIRCULAR	9,622	1,685	915	1,986	3,715	1,280	6,695	25898	LFT	\$200.00	\$5,179,600.00	1.1%
32	CULVERT, 4-SIDED BOX	6,825	2,085	0	0	810	2,230	4,915	16865	LFT	\$750.00	\$12,648,750.00	2.7%
33	CULVERT, 3-SIDED BOX	0	0	0	0	0	0	0	0	LFT	\$2,500.00	\$0.00	0.0%
34	BRIDGE	24,613	4,367	4,168	992	1,638	9,230	10,321	55329	SYS	\$1,850.00	\$102,358,238.89	22.2%
SUB-TOTAL OF QUANTIFIED ITEMS		\$171,776,664	\$41,565,792	\$18,285,623	\$22,659,576	\$45,425,440	\$54,822,555	\$105,541,898	Cross Check OK		\$460,077,548.22		
SEGMENT LENGTH (LFT)		97,068	23,183	7,355	14,957	34,942	38,120	66,510			53.43	MILES	

LUMP SUM ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		5 (trunk)		P3		6 (trunk)						
		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	\$13,802,326	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	\$2,300,388	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	\$4,600,775	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	\$7,821,318	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	\$24,384,110	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	\$6,901,163	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	\$4,600,775	1.0%
SUB-TOTAL OF LUMP SUM ITEMS		\$24,048,733		\$5,819,211		\$2,559,987		\$3,172,341		\$6,359,562		\$7,675,158		\$14,775,866		Cross Check		OK	\$64,410,857	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$195,825,397		\$47,385,003		\$20,845,611		\$25,831,917		\$51,785,001		\$62,497,713		\$120,317,763		Cross Check		OK	\$524,488,405	
CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY COST		\$234,990,476		\$56,862,004		\$25,014,733		\$30,998,300		\$62,142,002		\$74,997,255		\$144,381,316		Cross Check		OK	\$629,386,086	
TOTAL ROADWAY COST PER MILE OF MAINLINE		\$12,782,273		\$12,950,497		\$17,957,551		\$10,942,771		\$9,390,139		\$10,387,947		\$11,461,936					\$11,778,626	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		1		2		3		4		5 (trunk)		P3		6 (trunk)						
		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	\$31,469,304	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	\$31,469,304	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	\$94,407,913	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	\$62,938,609	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	\$75,526,330	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		\$110,445,524		\$26,725,142		\$11,756,924		\$14,569,201		\$29,206,741		\$35,248,710		\$67,859,218		Cross Check		OK	\$295,811,460	
TOTAL OVERALL COST OF PROJECT		\$345,436,000		\$83,587,145		\$36,771,657		\$45,567,501		\$91,348,742		\$110,245,966		\$212,240,534		Cross Check		OK	\$925,197,546	
TOTAL OVERALL COST OF PROJECT PER MILE		\$18,789,942		\$19,037,231		\$26,397,600		\$16,085,873		\$13,803,504		\$15,270,281		\$16,849,046					\$17,314,580	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES
ALT R - TWO LANES**

ITEM #	DESCRIPTION	QUANTIFIED ITEMS						TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST	
		SEGMENT NUMBER											
		TWO LANES											
1	COMMON EXCAVATION	1,547,580						1,547,580	CYS	\$7.00	\$10,833,059.57	7.3%	
2	ROCK EXCAVATION	273,102						273,102	CYS	\$7.00	\$1,911,716.39	1.3%	
3	BORROW	0						0	CYS	\$6.00	\$0.00	0.0%	
4	EMBANKMENT FOUNDATION SOILS TREATMENT	2,302,672						2,302,672	SYS	\$1.00	\$2,302,671.56	1.6%	
5	SETTLEMENT PLATE	294						294	EA	\$1,100.00	\$323,851.00	0.2%	
6	HMA FOR TEMPORARY PAVEMENT, TYPE D	371,229						371,229	TON	\$130.00	\$48,259,770.00	32.6%	
7	TEMPORARY TRAFFIC BARRIER, TYPE 2	145,580						145,580	LFT	\$45.00	\$6,551,100.00	4.4%	
8	SUBGRADE TREATMENT, TYPE IB	1,032,373						1,032,373	SYS	\$6.00	\$6,194,240.00	4.2%	
9	QC/QA, SURFACE, 9.5mm	74,435						74,435	TON	\$80.00	\$5,954,828.00	4.0%	
10	QC/QA, INTERMEDIATE, 19.0mm	234,413						234,413	TON	\$62.00	\$14,533,631.83	9.8%	
11	QC/QA, BASE, 25.0mm	244,362						244,362	SYS	\$59.00	\$14,417,361.93	9.7%	
12	JOINT ADHESIVE, SURFACE	1,014,205						1,014,205	LFT	\$0.50	\$507,102.50	0.3%	
13	JOINT ADHESIVE, INTERMEDIATE	1,444,465						1,444,465	LFT	\$0.50	\$722,232.50	0.5%	
14	ASPHALT FOR TACK COAT	226						226	TON	\$1,000.00	\$225,561.67	0.2%	
15	COMPACTED AGGREGATE, NO. 53	214,530						214,530	TON	\$22.00	\$4,719,661.53	3.2%	
16	INLET, TYPE P	0						0	EA	\$3,000.00	\$436.74	0.0%	
17	PIPE, TYPE 2, 15"	6						6	LFT	\$45.00	\$264.23	0.0%	
18	END SECTION, 15"	0						0	EA	\$500.00	\$72.79	0.0%	
19	REVTMENT RIPRAP	6,312						6,312	TON	\$30.00	\$189,355.17	0.1%	
20	GEOTEXTILES FOR RIPRAP	7,699						7,699	SYS	\$4.00	\$30,796.93	0.0%	
21	STRUCTURAL BACKFILL, TYPE 1	23						23	CYS	\$30.00	\$704.61	0.0%	
22	SEEDING, TYPE R	71,788						71,788	LBS	\$3.00	\$215,363.94	0.1%	
23	MULCHING	700						700	TON	\$450.00	\$315,166.74	0.2%	
24	FERTILIZER	140						140	TON	\$850.00	\$119,062.99	0.1%	
25	UNDERDRAIN, 4"	585,570						585,570	LFT	\$3.00	\$1,756,710.00	1.2%	
26	AGGREGATE FOR UNDERDRAIN	52,701						52,701	CYS	\$43.00	\$2,266,155.90	1.5%	
27	GEOTEXTILES FOR UNDERDRAIN	270,663						270,663	SYS	\$1.50	\$405,995.20	0.3%	
28	OUTLET PROTECTOR	1,464						1,464	EA	\$900.00	\$1,317,532.50	0.9%	
29	PAVEMENT MARKINGS	800,710						800,710	LFT	\$1.00	\$800,710.00	0.5%	
30	FENCE, RIGHT-OF-WAY	294,410						294,410	LFT	\$6.00	\$1,766,460.00	1.2%	
31	CULVERT, CIRCULAR	2,064						2,064	LFT	\$200.00	\$412,800.00	0.3%	
32	CULVERT, 4-SIDED BOX	4,041						4,041	LFT	\$750.00	\$3,030,750.00	2.0%	
33	CULVERT, 3-SIDED BOX	0						0	LFT	\$75.00	\$0.00	0.0%	
34	BRIDGE	9,782						9,782	SYS	\$1,850.00	\$18,096,556.11	12.2%	
SUB-TOTAL OF QUANTIFIED ITEMS		\$148,181,682	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
SEGMENT LENGTH (LFT)		145,580	0	0	0	0	0	0	0	0	0	0	
										Cross Check	OK	\$148,181,682	
												27.57	MILES

LUMP SUM ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		TWO LANES																		
		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	\$4,445,450	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	\$740,908	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	\$1,481,817	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	\$2,519,089	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	\$7,853,629	5.3%
42	MAINTENANCE OF TRAFFIC	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	\$14,818,168	10.0%
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	\$1,481,817	1.0%
SUB-TOTAL OF LUMP SUM ITEMS		\$33,340,879		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$33,340,879	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$181,522,561		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$181,522,561	
CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY COST		\$217,827,073		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$217,827,073	
TOTAL ROADWAY COST PER MILE OF MAINLINE		\$7,900,309		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$7,900,309	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		TWO LANES																		
		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	\$10,891,354	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	\$10,891,354	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	\$32,674,061	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	\$21,782,707	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	\$26,139,249	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		\$102,378,724		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$102,378,724	
TOTAL OVERALL COST OF PROJECT		\$320,205,797		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$320,205,797	
TOTAL OVERALL COST OF PROJECT PER MILE		\$11,613,454		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$11,613,454	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES
ALT R - THREE LANES (RURAL)**

ITEM #	DESCRIPTION	QUANTIFIED ITEMS						TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST	
		SEGMENT NUMBER											
		THREE (RURAL)											
1	COMMON EXCAVATION	729,786						729,786	CYS	\$7.00	\$5,108,499.06	9.6%	
2	ROCK EXCAVATION	128,786						128,786	CYS	\$7.00	\$901,499.83	1.7%	
3	BORROW	0						0	CYS	\$6.00	\$0.00	0.0%	
4	EMBANKMENT FOUNDATION SOILS TREATMENT	1,075,066						1,075,066	SYS	\$1.00	\$1,075,066.32	2.0%	
5	SETTLEMENT PLATE	124						124	EA	\$1,100.00	\$136,499.00	0.3%	
6	STAKE, LATERAL	124						124	EA	\$375.00	\$46,533.75	0.1%	
7	STAKE, SETTLEMENT	124						124	EA	\$150.00	\$18,613.50	0.0%	
8	SUBGRADE TREATMENT, TYPE IB	493,733						493,733	SYS	\$6.00	\$2,962,400.00	5.6%	
9	QC/QA, SURFACE, 9.5mm	36,200						36,200	TON	\$80.00	\$2,896,036.00	5.5%	
10	QC/QA, INTERMEDIATE, 19.0mm	114,157						114,157	TON	\$62.00	\$7,077,739.17	13.3%	
11	QC/QA, BASE, 25.0mm	122,226						122,226	SYS	\$59.00	\$7,211,341.87	13.6%	
12	JOINT ADHESIVE, SURFACE	410,555						410,555	LFT	\$0.50	\$205,277.50	0.4%	
13	JOINT ADHESIVE, INTERMEDIATE	574,355						574,355	LFT	\$0.50	\$287,177.50	0.5%	
14	ASPHALT FOR TACK COAT	110						110	TON	\$1,000.00	\$109,698.33	0.2%	
15	COMPACTED AGGREGATE, NO. 53	90,633						90,633	TON	\$22.00	\$1,993,926.85	3.8%	
16	INLET, TYPE P	0						0	EA	\$3,000.00	\$184.71	0.0%	
17	PIPE, TYPE 2, 15"	3						3	LFT	\$45.00	\$127.45	0.0%	
18	END SECTION, 15"	0						0	EA	\$500.00	\$30.79	0.0%	
19	REVTMENT RIPRAP	1,611						1,611	TON	\$30.00	\$48,329.24	0.1%	
20	GEOTEXTILES FOR RIPRAP	1,953						1,953	SYS	\$4.00	\$7,810.46	0.0%	
21	STRUCTURAL BACKFILL, TYPE 1	11						11	CYS	\$30.00	\$339.87	0.0%	
22	SEEDING, TYPE R	29,712						29,712	LBS	\$3.00	\$89,135.33	0.2%	
23	MULCHING	290						290	TON	\$450.00	\$130,441.94	0.2%	
24	FERTILIZER	58						58	TON	\$850.00	\$49,278.07	0.1%	
25	UNDERDRAIN, 4"	247,230						247,230	LFT	\$3.00	\$741,690.00	1.4%	
26	AGGREGATE FOR UNDERDRAIN	22,251						22,251	CYS	\$43.00	\$956,780.10	1.8%	
27	GEOTEXTILES FOR UNDERDRAIN	114,275						114,275	SYS	\$1.50	\$171,412.80	0.3%	
28	OUTLET PROTECTOR	618						618	EA	\$900.00	\$556,267.50	1.0%	
29	PAVEMENT MARKINGS	319,625						319,625	LFT	\$1.00	\$319,625.00	0.6%	
30	FENCE, RIGHT-OF-WAY	124,090						124,090	LFT	\$6.00	\$744,540.00	1.4%	
31	CULVERT, CIRCULAR	477						477	LFT	\$200.00	\$95,400.00	0.2%	
32	CULVERT, 4-SIDED BOX	1,079						1,079	LFT	\$750.00	\$809,250.00	1.5%	
33	TEMPORARY TRAFFIC BARRIER, TYPE 2	61,570						61,570	LFT	\$45.00	\$2,770,650.00	5.2%	
34	BRIDGE	8,401						8,401	SYS	\$1,850.00	\$15,541,697.89	29.3%	
SUB-TOTAL OF QUANTIFIED ITEMS		\$53,063,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
SEGMENT LENGTH (LFT)		61,570	0	0	0	0	0	0	0	0	0	0	
										Cross Check	OK	\$53,063,300	
												11.66	MILES

LUMP SUM ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		THREE LANES																		
		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	\$1,591,899	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	\$265,316	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	\$530,633	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	\$902,076	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	\$2,812,355	5.3%
42	MAINTENANCE OF TRAFFIC	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	\$5,306,330	10.0%
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	\$530,633	1.0%
SUB-TOTAL OF LUMP SUM ITEMS		\$11,939,242		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$11,939,242	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$65,002,542		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$65,002,542	
CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY COST		\$78,003,051		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$78,003,051	
TOTAL ROADWAY COST PER MILE OF MAINLINE		\$6,689,234		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$6,689,234	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		THREE LANES																		
		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	\$3,900,153	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	\$3,900,153	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	\$11,700,458	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	\$7,800,305	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	\$9,360,366	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		\$36,661,434		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$36,661,434	
TOTAL OVERALL COST OF PROJECT		\$114,664,485		\$0		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$114,664,485	
TOTAL OVERALL COST OF PROJECT PER MILE		\$9,833,173		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$9,833,173	

**MID-STATES CORRIDOR - ESTIMATE OF QUANTITIES
ALT R - URBAN**

ITEM #	DESCRIPTION	QUANTIFIED ITEMS						TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST	
		SEGMENT NUMBER											
		THREE (URBAN)	FIVE LANES										
1	COMMON EXCAVATION	41,337	30,423					71,761	CYS	\$7.00	\$502,323.75	0.7%	
2	ROCK EXCAVATION	7,295	5,369					12,664	CYS	\$7.00	\$88,645.37	0.1%	
3	BORROW	91,360	8,339					99,699	CYS	\$6.00	\$598,192.12	0.9%	
4	EMBANKMENT FOUNDATION SOILS TREATMENT	368,788	174,327					543,115	SYS	\$1.00	\$543,115.40	0.8%	
5	PCCP FOR APPROACHES. 9 IN.	22,583	10,333					32,917	SYS	\$85.00	\$2,797,916.67	4.2%	
6	DENSE GRADED SUBBASE 6 IN.	22,583	10,333					32,917	SYS	\$62.00	\$2,040,833.33	3.0%	
7	SUBGRADE TREATMENT, TYPE II	22,583	10,333					32,917	SYS	\$15.00	\$493,750.00	0.7%	
8	SUBGRADE TREATMENT, TYPE IB	477,424	254,578					732,002	SYS	\$6.00	\$4,392,013.33	6.5%	
9	QC/QA, SURFACE, 9.5mm	37,745	20,374					58,120	TON	\$80.00	\$4,649,568.00	6.9%	
10	QC/QA, INTERMEDIATE, 19.0mm	120,099	64,827					184,926	TON	\$62.00	\$11,465,412.00	17.0%	
11	QC/QA, BASE, 25.0mm	150,982	81,497					232,478	SYS	\$59.00	\$13,716,225.60	20.4%	
12	JOINT ADHESIVE, SURFACE	290,495	135,800					426,295	LFT	\$0.50	\$213,147.50	0.3%	
13	JOINT ADHESIVE, INTERMEDIATE	493,795	238,520					732,315	LFT	\$0.50	\$366,157.50	0.5%	
14	ASPHALT FOR TACK COAT	114	62					176	TON	\$1,000.00	\$176,120.00	0.3%	
15	COMPACTED AGGREGATE, NO. 53	8,624	3,998					12,622	TON	\$22.00	\$277,680.56	0.4%	
16	INLET, TYPE B	848	319					1,167	EA	\$3,000.00	\$3,501,000.00	5.2%	
17	PIPE, TYPE 2, 15"	22,053	11,689					33,743	LFT	\$45.00	\$1,518,414.00	2.3%	
18	GEOGRID TYPE IB	22,583	10,333					32,917	SYS	\$2.50	\$82,291.67	0.1%	
19	CURB AND GUTTER, COMBINED	84,820	31,880					116,700	LFT	\$30.00	\$3,501,000.00	5.2%	
20	SIDEWALK, CONCRETE	47,122	17,711					64,833	SYS	\$55.00	\$3,565,833.33	5.3%	
21	STRUCTURAL BACKFILL, TYPE 1	88,213	46,757					134,970	CYS	\$30.00	\$4,049,104.00	6.0%	
22	SEEDING, TYPE R	7,768	2,871					10,639	LBS	\$3.00	\$31,916.47	0.0%	
23	MULCHING	76	28					104	TON	\$450.00	\$46,707.02	0.1%	
24	FERTILIZER	15	6					21	TON	\$850.00	\$17,644.88	0.0%	
25	UNDERDRAIN, 4"	174,390	66,160					240,550	LFT	\$3.00	\$721,650.00	1.1%	
26	AGGREGATE FOR UNDERDRAIN	15,695	5,954					21,650	CYS	\$43.00	\$930,928.50	1.4%	
27	GEOTEXTILES FOR UNDERDRAIN	80,607	30,581					111,188	SYS	\$1.50	\$166,781.33	0.2%	
28	OUTLET PROTECTOR	436	165					601	EA	\$900.00	\$541,237.50	0.8%	
29	PAVEMENT MARKINGS	403,645	179,250					582,895	LFT	\$1.00	\$582,895.00	0.9%	
30	TEMPORARY TRAFFIC BARRIER, TYPE 2	42,410	15,940					58,350	LFT	\$45.00	\$2,625,750.00	3.9%	
31	CULVERT, CIRCULAR	0	0					0	LFT	\$200.00	\$0.00	0.0%	
32	CULVERT, 4-SIDED BOX	193	0					193	LFT	\$750.00	\$144,750.00	0.2%	
33	MANHOLE, C4	424	159					584	EA	\$5,000.00	\$2,917,500.00	4.3%	
34	BRIDGE	0	0					0	SYS	\$1,850.00	\$0.00	0.0%	
SUB-TOTAL OF QUANTIFIED ITEMS		\$45,585,488	\$21,681,017	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
SEGMENT LENGTH (LFT)		42,410	15,940	0	0	0	0	0	0	0	0	0	
										Cross Check	OK	\$67,266,505	
												11.05	MILES

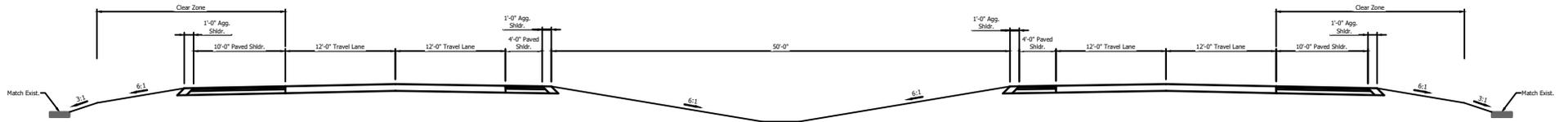
LUMP SUM ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		URBAN		JASPER MOD.																
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
35	CLEARING RIGHT-OF-WAY	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	1	3.0%	N/A	LS	N/A	\$2,017,995	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	\$336,333	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	\$672,665	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	\$1,143,531	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	\$3,565,125	5.3%
42	MAINTENANCE OF TRAFFIC	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	\$6,726,650	10.0%
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	\$672,665	1.0%
SUB-TOTAL OF LUMP SUM ITEMS		\$10,256,735		\$4,878,229		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$15,134,964	
TOTAL CONSTRUCTION COST WITHOUT CONTINGENCY		\$55,842,223		\$26,559,246		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$82,401,468	
CONTINGENCY		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%		20.0%					20%	
TOTAL ROADWAY COST		\$67,010,667		\$31,871,095		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$98,881,762	
TOTAL ROADWAY COST PER MILE OF MAINLINE		\$8,342,757		\$10,557,050		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$8,947,656	

SOFT COST ITEMS																				
ITEM #	DESCRIPTION	SEGMENT NUMBER														TOTAL QTY.	UNITS	UNIT COST	TOTAL COST	% COST
		URBAN		JASPER MOD.																
		Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%	Qty.	%					
44	RIGHT-OF-WAY	1	21.0%	1	21.0%	1	21.0%	1	21.0%	1	21.0%	1	21.0%	1	21.0%	N/A	LS	N/A	\$20,765,170	21.0%
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	\$4,944,088	5.0%
46	PRELIMINARY ENGINEERING	1	20.0%	1	20.0%	1	20.0%	1	20.0%	1	20.0%	1	20.0%	1	20.0%	N/A	LS	N/A	\$19,776,352	20.0%
47	ENVIRONMENTAL	1	8.0%	1	8.0%	1	8.0%	1	8.0%	1	8.0%	1	8.0%	1	8.0%	N/A	LS	N/A	\$7,910,541	8.0%
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	\$11,865,811	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		\$44,227,040		\$21,034,923		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$65,261,963	
TOTAL OVERALL COST OF PROJECT		\$111,237,707		\$52,906,018		\$0		\$0		\$0		\$0		\$0		Cross Check		OK	\$164,143,725	
TOTAL OVERALL COST OF PROJECT PER MILE		\$13,848,977		\$17,524,703		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					\$14,853,108	

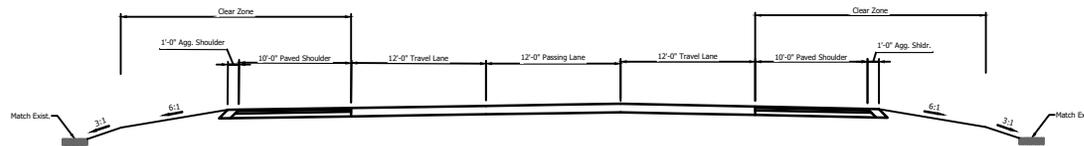
ALT R GRAND TOTAL COST OF PROJECT	\$599,014,007
ALT R GRAND TOTAL COST OF PROJECT PER MILE	\$11,912,595



APPENDIX 2

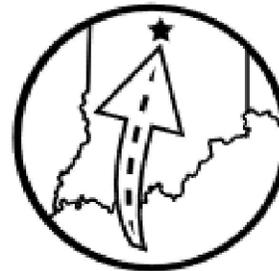


Expressway

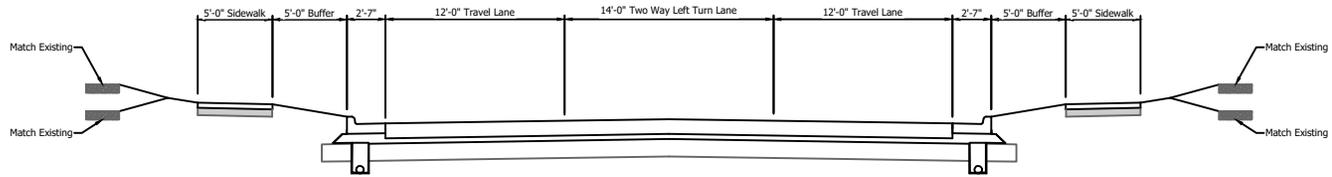


Super -2 / Local Improvements*

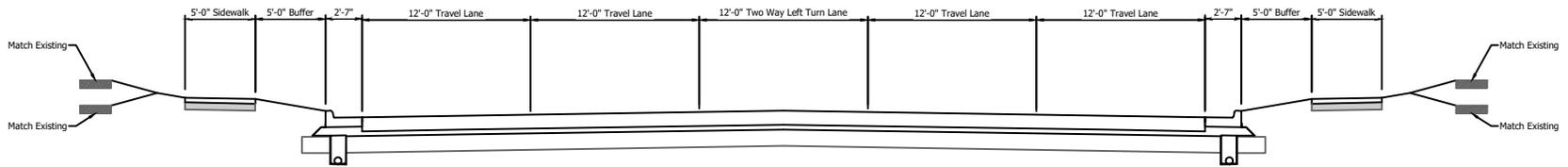
*Local Improvements 2 & 3 utilize two passing lanes for a total of 4 thru lanes.
Local Improvement 4 consists of access management thru Jasper and does not follow a typical section



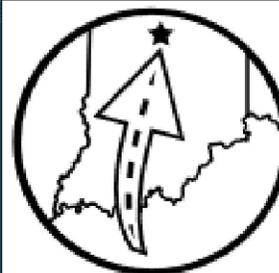
MID-STATES CORRIDOR



Alternative R - 3-Lane Urban



Alternative R - 5-Lane Urban



MID-STATES CORRIDOR