

# APPENDIX B

# US 90 AT LA 318 INTERCHANGE

## CONSTRUCTION COST ESTIMATE

### GENERAL COST ESTIMATE NOTES:

1. Referenced unit costs for quantities were taken from Louisiana Department of Transportation 4<sup>th</sup> Quarter of 2010 Unit Price Index.
2. Construction cost related percentages were calculated using references in the Louisiana Department of Transportation Roadway Design Procedures and Details.
3. Bridge unit costs were assumed to be \$120 per Square Foot.
4. Temporary Signs and Barricades cost was calculated based on 7% of construction cost total.
5. Contingency costs were assumed to be 30% for this project.
6. Utility relocations were estimated at \$50,000 for the project area.
7. Mobilization cost was calculated based on 5% of construction cost total.
8. Construction Layout was calculated based on 2% of construction cost total.
9. Clearing and Grubbing was calculated as \$1000 per Acre.
10. Construction, Engineering, and Inspection costs were calculated at 10% of construction cost total.
11. Roadway Sections were estimated to include:
  - a. Concrete Sections of US 90 and Ramps
    - i. 10" Portland Cement Concrete Pavement
    - ii. 12" Class II Base Course
    - iii. 12" Lime Treated Soil
  - b. LA 318 and Frontage Roads
    - i. 2" Asphalt Wearing Course
    - ii. 3" Asphalt Binder Course
    - iii. 12" Class II Base Course
    - iv. 12" Lime Treated Soil

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE B**

**US 90 Interchange Cost Estimate Summary**

ITEM	COST
CLEARING AND GRUBBING (\$1000 / ACRE)	\$ 67,000.00
US 90 ROADWAY RECONSTRUCTION	\$ 3,010,000.00
US 90 BRIDGE CONSTRUCTION	\$ 18,182,400.00
LA 318 ROADWAY WIDENING	\$ 2,460,000.00
US 90 RAMP CONSTRUCTION	\$ 3,090,000.00
US 90 FRONTAGE ROADS	\$ 4,420,000.00
WEST ST. MARY CIVIC CENTER SEWAGE TREATMENT SYSTEM	\$ 100,000.00
LA 318 SEWAGE LIFT STATION	\$ 50,000.00
UTILITY RELOCATIONS	\$ 50,000.00
<b>SUB TOTAL</b>	<b>\$ 31,429,400.00</b>
TEMPORARY SIGNS AND BARRICADES	\$ 2,200,058.00
MOBILIZATION	\$ 1,571,470.00
CONSTRUCTION LAYOUT	\$ 628,588.00
<b>CONSTRUCTION SUB TOTAL</b>	<b>\$ 35,829,516.00</b>
CE&I COST TOTAL	\$ 3,582,951.60
<b>TOTAL PROJECT COST</b>	<b>\$ 39,412,467.60</b>

**US 90 / LA 318 INTERCHANGE  
CONSTRUCTION COST ESTIMATE**

<b>LOCATION</b>	<b>\$ / SF</b>	<b>L</b>	<b>W</b>	<b>TOTAL \$</b>
US 90 Over LA 318 Eastbound	\$120	1894	40	\$ 9,091,200.00
US 90 Over LA 318 Westbound	\$120	1894	40	\$ 9,091,200.00
US 90 Bridge Construction				\$ 18,182,400.00
US 90 Roadway				\$ 3,010,000.00
<b>US 90 BRIDGE AND ROADWAY TOTAL</b>				<b>\$ 21,192,400.00</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE B**

**US 90 Roadway**

Date: 15-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	17,778	\$ 124,446.00
EMBANKMENT	CU YD	\$ 13.00	4,444	\$ 57,772.00
PORTLAND CEMENT CONCRETE PAVEMENT (10" THICK)	SQ YD	\$ 50.00	26,667	\$ 1,333,350.00
CLASS II BASE COURSE (12" THICK)	SQ YD	\$ 23.00	26,667	\$ 613,341.00
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	26,667	\$ 133,335.00
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	6,000	\$ 6,000.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	6,000	\$ 6,000.00
PAVEMENT MARKING (4" SKIP-WHITE)	LIN FT	\$ 0.50	6,000	\$ 3,000.00
REFLECTORIZED PAVEMENT MARKERS	EACH	\$ 4.00	80	\$ 320.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	20	\$ 20,000.00
HYDRO SEEDING	AC	\$ 1,500.00	10	\$ 15,000.00
SUBTOTAL CONSTRUCTION				\$ 2,312,564.00
CONTIGENCY - 30%				\$ 693,769.20
TOTAL CONSTRUCTION				\$ 3,006,333.20
ROUNDED TOTAL CONSTRUCTION				\$ 3,010,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 3,010,000.00</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE B**

**Widening LA 318 from Centerline**

Date: 15-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	4,148	\$ 29,036.00
EMBANKMENT	CU YD	\$ 13.00	20,444	\$ 265,772.00
ASPHALT WEARING COURSE (2" THICK)	TON	\$ 95.00	2,964	\$ 281,580.00
ASPHALT BASE COURSE (4" THICK)	TON	\$ 95.00	5,929	\$ 563,255.00
CLASS II BASE COURSE (12" THICK)	SQ YD	\$ 23.00	25,778	\$ 592,894.00
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	25,778	\$ 128,890.00
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	8,000	\$ 8,000.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	8,000	\$ 8,000.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	500	\$ 2,000.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	8	\$ 8,000.00
HYDRO SEEDING	AC	\$ 15.00	16	\$ 241.50
SUBTOTAL CONSTRUCTION				\$ 1,887,668.50
CONTIGENCY - 30%				\$ 566,300.55
TOTAL CONSTRUCTION				\$ 2,453,969.05
ROUNDED TOTAL CONSTRUCTION				\$ 2,460,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 2,460,000.00</b>

**LA 318 / US 90 INTERCHANGE  
ALTERNATIVE B RAMP COST SUMMARY**

<b>Summary of Ramp Construction</b>	<b>Estimated Implementation Cost</b>
Westbound Entrance Ramp to US 90	\$740,000
Westbound Exit Ramp from US 90	\$780,000
Eastbound Exit Ramp from US 90	\$800,000
Eastbound Entrance Ramp to US 90	\$770,000
<b>Total Estimated Cost Ramp Construction</b>	<b>\$3,090,000</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE B**

**Westbound Entrance Ramp to US 90**

Date: 15-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	355	\$ 2,485.00
EMBANKMENT	CU YD	\$ 13.00	4,260	\$ 55,380.00
PORTLAND CEMENT CONCRETE PAVEMENT (10" THICK)	SQ YD	\$ 50.00	6,177	\$ 308,850.00
CLASS II BASE COURSE (12" THICK)	SQ YD	\$ 23.00	6,603	\$ 151,869.00
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	6,603	\$ 33,015.00
SHOULDER AGGREGATE (6" THICK)	CU YD	\$ 13.00	71	\$ 923.00
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	1,917	\$ 1,917.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	1,917	\$ 1,917.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	0	\$ -
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	2	\$ 2,000.00
HYDRO SEEDING	AC	\$ 1,500.00	4	\$ 6,000.00
SUBTOTAL CONSTRUCTION				\$ 564,356.00
CONTIGENCY - 30%				\$ 169,306.80
TOTAL CONSTRUCTION				\$ 733,662.80
ROUNDED TOTAL CONSTRUCTION				\$ 740,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 740,000.00</b>



**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE B**

**Westbound Exit Ramp from US 90**

Date: 15-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	1,811	\$ 12,677.00
EMBANKMENT	CU YD	\$ 13.00	689	\$ 8,957.00
PORTLAND CEMENT CONCRETE PAVEMENT (10" THICK)	SQ YD	\$ 50.00	6,999	\$ 349,950.00
CLASS II BASE COURSE (12" THICK)	SQ YD	\$ 23.00	7,481	\$ 172,063.00
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	7,481	\$ 37,405.00
SHOULDER AGGREGATE (6" THICK)	CU YD	\$ 13.00	80	\$ 1,040.00
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	2,172	\$ 2,172.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	2,172	\$ 2,172.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	0	\$ -
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	3	\$ 3,000.00
HYDRO SEEDING	AC	\$ 1,500.00	2	\$ 3,000.00
SUBTOTAL CONSTRUCTION				\$ 592,436.00
CONTIGENCY - 30%				\$ 177,730.80
TOTAL CONSTRUCTION				\$ 770,166.80
ROUNDED TOTAL CONSTRUCTION				\$ 780,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 780,000.00</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE B**

**Eastbound Exit Ramp from US 90**

Date: 15-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	385	\$ 2,695.00
EMBANKMENT	CU YD	\$ 13.00	4,618	\$ 60,034.00
PORTLAND CEMENT CONCRETE PAVEMENT (10" THICK)	SQ YD	\$ 50.00	6,696	\$ 334,800.00
CLASS II BASE COURSE (12" THICK)	SQ YD	\$ 23.00	7,158	\$ 164,634.00
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	7,158	\$ 35,790.00
SHOULDER AGGREGATE (6" THICK)	CU YD	\$ 13.00	77	\$ 1,001.00
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	2,078	\$ 2,078.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	2,078	\$ 2,078.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	0	\$ -
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	3	\$ 3,000.00
HYDRO SEEDING	AC	\$ 1,500.00	6	\$ 9,000.00
SUBTOTAL CONSTRUCTION				\$ 615,110.00
CONTIGENCY - 30%				\$ 184,533.00
TOTAL CONSTRUCTION				\$ 799,643.00
ROUNDED TOTAL CONSTRUCTION				\$ 800,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 800,000.00</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE B**

**Eastbound Entrance Ramp to US 90**

Date: 15-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	369	\$ 2,583.00
EMBANKMENT	CU YD	\$ 13.00	4,431	\$ 57,603.00
PORTLAND CEMENT CONCRETE PAVEMENT (10" THICK)	SQ YD	\$ 50.00	6,425	\$ 321,250.00
CLASS II BASE COURSE (12" THICK)	SQ YD	\$ 23.00	6,868	\$ 157,964.00
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	6,868	\$ 34,340.00
SHOULDER AGGREGATE (6" THICK)	CU YD	\$ 13.00	74	\$ 962.00
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	1,994	\$ 1,994.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	1,994	\$ 1,994.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	0	\$ -
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	3	\$ 3,000.00
HYDRO SEEDING	AC	\$ 1,500.00	6	\$ 9,000.00
SUBTOTAL CONSTRUCTION				\$ 590,690.00
CONTIGENCY - 30%				\$ 177,207.00
TOTAL CONSTRUCTION				\$ 767,897.00
ROUNDED TOTAL CONSTRUCTION				\$ 770,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 770,000.00</b>

<b>LA 318 / US 90 INTERCHANGE</b>	
<b>Summary of Frontage Road Construction</b>	<b>Estimated Implementation Cost</b>
Northwest US 90 Frontage Road	\$1,900,000
Northeast US 90 Frontage Road	\$860,000
Southwest US 09 Frontage Road	\$820,000
Southeast US 90 Frontage Road	\$840,000
<b>Total Estimated Cost Horizontal Improvements</b>	<b>\$4,420,000</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE B**

**Northwest US 90 Frontage Road**

Date: 15-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	1,153	\$ 8,071.00
EMBANKMENT	CU YD	\$ 13.00	15,452	\$ 200,876.00
ASPHALT WEARING COURSE (2" THICK)	TON	\$ 70.00	2,864	\$ 200,480.00
ASPHALT BINDER COURSE (3" THICK)	TON	\$ 70.00	4,297	\$ 300,790.00
CLASS II BASE COURSE (10" THICK)	SQ YD	\$ 23.00	24,908	\$ 572,884.00
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	24,908	\$ 124,540.00
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	6,227	\$ 6,227.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	12,454	\$ 12,454.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	600	\$ 2,400.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	6	\$ 6,000.00
HYDRO SEEDING	AC	\$ 1,500.00	14	\$ 21,000.00
SUBTOTAL CONSTRUCTION				\$ 1,455,722.00
CONTIGENCY - 30%				\$ 436,716.60
TOTAL CONSTRUCTION				\$ 1,892,438.60
ROUNDED TOTAL CONSTRUCTION				\$ 1,900,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 1,900,000.00</b>

**US-90 / LA-318 INTERCHANGE  
ALTERNATIVE B**

**Northeast US 90 Frontage Road**

Date: 15-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	520	\$ 3,640.00
EMBANKMENT	CU YD	\$ 13.00	6,968	\$ 90,584.00
ASPHALT WEARING COURSE (2" THICK)	TON	\$ 70.00	1,292	\$ 90,440.00
ASPHALT BINDER COURSE (3" THICK)	TON	\$ 70.00	1,938	\$ 135,660.00
CLASS II BASE COURSE (10" THICK)	SQ YD	\$ 23.00	11,232	\$ 258,336.00
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	11,232	\$ 56,160.00
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	2,808	\$ 2,808.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	5,616	\$ 5,616.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	140	\$ 560.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	4	\$ 4,000.00
HYDRO SEEDING	AC	\$ 1,500.00	6	\$ 9,000.00
SUBTOTAL CONSTRUCTION				\$ 656,804.00
CONTIGENCY - 30%				\$ 197,041.20
TOTAL CONSTRUCTION				\$ 853,845.20
ROUNDED TOTAL CONSTRUCTION				\$ 860,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 860,000.00</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE B**

**Southwest US 90 Frontage Road**

Date: 15-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	494	\$ 3,458.00
EMBANKMENT	CU YD	\$ 13.00	6,618	\$ 86,034.00
ASPHALT WEARING COURSE (2" THICK)	TON	\$ 70.00	1,227	\$ 85,890.00
ASPHALT BINDER COURSE (3" THICK)	TON	\$ 70.00	1,840	\$ 128,800.00
CLASS II BASE COURSE (10" THICK)	SQ YD	\$ 23.00	10,668	\$ 245,364.00
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	10,668	\$ 53,340.00
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	2,667	\$ 2,667.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	5,334	\$ 5,334.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	135	\$ 540.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	4	\$ 4,000.00
HYDRO SEEDING	AC	\$ 1,500.00	6	\$ 9,000.00
SUBTOTAL CONSTRUCTION				\$ 624,427.00
CONTIGENCY - 30%				\$ 187,328.10
TOTAL CONSTRUCTION				\$ 811,755.10
ROUNDED TOTAL CONSTRUCTION				\$ 820,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 820,000.00</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE B**

**Southeast US 90 Frontage Road**

Date: 15-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	510	\$ 3,570.00
EMBANKMENT	CU YD	\$ 13.00	6,834	\$ 88,842.00
ASPHALT WEARING COURSE (2" THICK)	TON	\$ 70.00	1,267	\$ 88,690.00
ASPHALT BINDER COURSE (3" THICK)	TON	\$ 70.00	1,900	\$ 133,000.00
CLASS II BASE COURSE (10" THICK)	SQ YD	\$ 23.00	11,016	\$ 253,368.00
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	11,016	\$ 55,080.00
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	2,754	\$ 2,754.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	5,508	\$ 5,508.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	140	\$ 560.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	4	\$ 4,000.00
HYDRO SEEDING	AC	\$ 1,500.00	6	\$ 9,000.00
SUBTOTAL CONSTRUCTION				\$ 644,372.00
CONTIGENCY - 30%				\$ 193,311.60
TOTAL CONSTRUCTION				\$ 837,683.60
ROUNDED TOTAL CONSTRUCTION				\$ 840,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 840,000.00</b>



**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE D**

**US 90 Interchange Cost Estimate Summary**

<b>ITEM</b>	<b>COST</b>
CLEARING AND GRUBBING (\$1000 / ACRE)	\$ 78,000.00
LA 318 ROADWAY RECONSTRUCTION	\$ 2,310,000.00
LA 318 BRIDGE CONSTRUCTION	\$ 7,225,920.00
US 90 RAMP CONSTRUCTION	\$ 6,000,000.00
US 90 FRONTAGE ROADS	\$ 4,910,000.00
WEST ST. MARY CIVIC CENTER SEWAGE TREATMENT SYSTEM	\$ 100,000.00
LA 318 SEWAGE LIFT STATION	\$ 50,000.00
UTILITY RELOCATIONS	\$ 50,000.00
<b>SUB TOTAL</b>	<b>\$ 20,723,920.00</b>
TEMPORARY SIGNS AND BARRICADES	\$ 1,450,674.40
MOBILIZATION	\$ 1,036,196.00
CONSTRUCTION LAYOUT	\$ 414,478.40
<b>CONSTRUCTION SUB TOTAL</b>	<b>\$ 23,625,268.80</b>
CE&I COST TOTAL	\$ 2,362,526.88
<b>TOTAL PROJECT COST</b>	<b>\$ 25,987,795.68</b>

**US 90 / LA 318 INTERCHANGE  
CONSTRUCTION COST ESTIMATE**

<b>LOCATION</b>	<b>\$ / SF</b>	<b>L</b>	<b>W</b>	<b>TOTAL \$</b>
LA 318 over US 90	\$120	1158	52	\$ 7,225,920.00
LA 318 Roadway Widening				\$ 2,310,000.00
<b>LA 318 BRIDGE AND ROADWAY TOTAL</b>				<b>\$ 9,535,920.00</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE D**

**Widening LA 318 from Centerline**

Date: 16-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	12,908	\$ 90,356.00
EMBANKMENT	CU YD	\$ 13.00	4,722	\$ 61,386.00
ASPHALT WEARING COURSE (2" THICK)	TON	\$ 95.00	2,947	\$ 279,942.21
ASPHALT BINDER COURSE (4" THICK)	TON	\$ 95.00	5,894	\$ 559,884.42
CLASS II BASE COURSE (12" THICK)	SQ YD	\$ 23.00	25,624	\$ 589,352.03
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	25,624	\$ 128,120.01
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	8,714	\$ 8,714.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	8,714	\$ 8,714.00
PAVEMENT MARKING (4" SKIP-WHITE)	LIN FT	\$ 1.00	4,357	\$ 4,357.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	150	\$ 600.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	20	\$ 20,000.00
HYDRO SEEDING	AC	\$ 1,500.00	12	\$ 18,000.00
SUBTOTAL CONSTRUCTION				\$ 1,769,425.67
CONTIGENCY - 30%				\$ 530,827.70
TOTAL CONSTRUCTION				\$ 2,300,253.37
ROUNDED TOTAL CONSTRUCTION				\$ 2,310,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 2,310,000.00</b>

**LA 318 / US 90 INTERCHANGE  
ALTERNATIVE D RAMP COST ESTIMATES**

<b>Summary of Ramp Construction</b>	<b>Estimated Implementation Cost</b>
Westbound Entrance Ramp to US 90	\$1,320,000
Westbound Exit Ramp from US 90	\$1,320,000
Eastbound Exit Ramp from US 90	\$1,660,000
Eastbound Entrance Ramp to US 90	\$1,700,000
<b>Total Estimated Cost Ramp Construction</b>	<b>\$6,000,000</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE D**

**Westbound Entrance Ramp to US 90**

Date: 16-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	662	\$ 4,635.56
EMBANKMENT	CU YD	\$ 13.00	7,947	\$ 103,306.67
PORTLAND CEMENT CONCRETE PAVEMENT (10" THICK)	SQ YD	\$ 50.00	10,709	\$ 535,466.67
CLASS II BASE COURSE (12" THICK)	SQ YD	\$ 23.00	12,317	\$ 283,298.67
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	12,317	\$ 61,586.67
SHOULDER AGGREGATE (6" THICK)	CU YD	\$ 13.00	65	\$ 840.67
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	3,576	\$ 3,576.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	3,576	\$ 3,576.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	150	\$ 600.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	3	\$ 3,000.00
HYDRO SEEDING	AC	\$ 1,500.00	6	\$ 9,000.00
SUBTOTAL CONSTRUCTION				\$ 1,008,886.89
CONTIGENCY - 30%				\$ 302,666.07
TOTAL CONSTRUCTION				\$ 1,311,552.96
ROUNDED TOTAL CONSTRUCTION				\$ 1,320,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 1,320,000.00</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE D**

**Westbound Exit Ramp from US 90**

Date: 16-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	3,639	\$ 25,472.61
EMBANKMENT	CU YD	\$ 13.00	1,384	\$ 17,994.94
PORTLAND CEMENT CONCRETE PAVEMENT (10" THICK)	SQ YD	\$ 50.00	11,539	\$ 576,961.11
CLASS II BASE COURSE (12" THICK)	SQ YD	\$ 23.00	13,271	\$ 305,243.22
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	13,271	\$ 66,357.22
SHOULDER AGGREGATE (6" THICK)	CU YD	\$ 13.00	70	\$ 906.15
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	3,853	\$ 3,853.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	3,853	\$ 3,853.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	150	\$ 600.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	3	\$ 3,000.00
HYDRO SEEDING	AC	\$ 1,500.00	6	\$ 9,000.00
SUBTOTAL CONSTRUCTION				\$ 1,013,241.25
CONTIGENCY - 30%				\$ 303,972.38
TOTAL CONSTRUCTION				\$ 1,317,213.63
ROUNDED TOTAL CONSTRUCTION				\$ 1,320,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 1,320,000.00</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE D**

**Eastbound Exit Ramp from US 90**

Date: 16-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	835	\$ 5,842.41
EMBANKMENT	CU YD	\$ 13.00	10,016	\$ 130,202.22
PORTLAND CEMENT CONCRETE PAVEMENT (10" THICK)	SQ YD	\$ 50.00	13,591	\$ 679,550.00
CLASS II BASE COURSE (12" THICK)	SQ YD	\$ 23.00	15,524	\$ 357,054.56
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	15,524	\$ 77,620.56
SHOULDER AGGREGATE (6" THICK)	CU YD	\$ 13.00	89	\$ 1,160.85
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	4,507	\$ 4,507.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	4,507	\$ 4,507.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	150	\$ 600.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	3	\$ 3,000.00
HYDRO SEEDING	AC	\$ 1,500.00	6	\$ 9,000.00
SUBTOTAL CONSTRUCTION				\$ 1,273,044.59
CONTIGENCY - 30%				\$ 381,913.38
TOTAL CONSTRUCTION				\$ 1,654,957.97
ROUNDED TOTAL CONSTRUCTION				\$ 1,660,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 1,660,000.00</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE D**

**Eastbound Entrance Ramp to US 90**

Date: 16-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	853	\$ 5,968.15
EMBANKMENT	CU YD	\$ 13.00	10,231	\$ 133,004.44
PORTLAND CEMENT CONCRETE PAVEMENT (10" THICK)	SQ YD	\$ 50.00	13,904	\$ 695,177.78
CLASS II BASE COURSE (12" THICK)	SQ YD	\$ 23.00	15,858	\$ 364,739.11
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	15,858	\$ 79,291.11
SHOULDER AGGREGATE (6" THICK)	CU YD	\$ 13.00	93	\$ 1,207.56
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	4,604	\$ 4,604.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	4,604	\$ 4,604.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	150	\$ 600.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	3	\$ 3,000.00
HYDRO SEEDING	AC	\$ 1,500.00	6	\$ 9,000.00
SUBTOTAL CONSTRUCTION				\$ 1,301,196.15
CONTIGENCY - 30%				\$ 390,358.84
TOTAL CONSTRUCTION				\$ 1,691,554.99
ROUNDED TOTAL CONSTRUCTION				\$ 1,700,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 1,700,000.00</b>



**LA 318 / US 90 INTERCHANGE**

<b>Summary of Frontage Road Construction</b>	<b>Estimated Implementation Cost</b>
Northwest US 90 Frontage Road	\$2,040,000
Northeast US 90 Frontage Road	\$890,000
Southwest US 90 Frontage Road	\$920,000
Southeast US 90 Frontage Road	\$1,060,000
<b>Total Estimated Cost Horizontal Improvements</b>	<b>\$4,910,000</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE D**

**Northwest US 90 Frontage Road**

Date: 16-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	1,244	\$ 8,704.63
EMBANKMENT	CU YD	\$ 13.00	16,663	\$ 216,620.93
ASPHALT WEARING COURSE (2" THICK)	TON	\$ 70.00	3,089	\$ 216,223.00
ASPHALT BINDER COURSE (3" THICK)	TON	\$ 70.00	4,633	\$ 324,334.50
CLASS II BASE COURSE (10" THICK)	SQ YD	\$ 23.00	26,860	\$ 617,780.00
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	26,860	\$ 134,300.00
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	6,715	\$ 6,715.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	13,430	\$ 13,430.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	670	\$ 2,680.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	6	\$ 6,000.00
HYDRO SEEDING	AC	\$ 1,500.00	14	\$ 21,000.00
SUBTOTAL CONSTRUCTION				\$ 1,567,788.06
CONTIGENCY - 30%				\$ 470,336.42
TOTAL CONSTRUCTION				\$ 2,038,124.47
ROUNDED TOTAL CONSTRUCTION				\$ 2,040,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 2,040,000.00</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE D**

**Northeast US 90 Frontage Road**

Date: 16-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	537	\$ 3,757.96
EMBANKMENT	CU YD	\$ 13.00	7,194	\$ 93,519.59
ASPHALT WEARING COURSE (2" THICK)	TON	\$ 70.00	1,334	\$ 93,347.80
ASPHALT BINDER COURSE (3" THICK)	TON	\$ 70.00	2,000	\$ 140,021.70
CLASS II BASE COURSE (10" THICK)	SQ YD	\$ 23.00	11,596	\$ 266,708.00
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	11,596	\$ 57,980.00
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	2,899	\$ 2,899.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	5,798	\$ 5,798.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	140	\$ 560.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	4	\$ 4,000.00
HYDRO SEEDING	AC	\$ 1,500.00	6	\$ 9,000.00
SUBTOTAL CONSTRUCTION				\$ 677,592.06
CONTIGENCY - 30%				\$ 203,277.62
TOTAL CONSTRUCTION				\$ 880,869.67
ROUNDED TOTAL CONSTRUCTION				\$ 890,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 890,000.00</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE D**

**Southwest US 90 Frontage Road**

Date: 16-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	560	\$ 3,917.41
EMBANKMENT	CU YD	\$ 13.00	7,499	\$ 97,487.48
ASPHALT WEARING COURSE (2" THICK)	TON	\$ 70.00	1,390	\$ 97,308.40
ASPHALT BINDER COURSE (3" THICK)	TON	\$ 70.00	2,085	\$ 145,962.60
CLASS II BASE COURSE (10" THICK)	SQ YD	\$ 23.00	12,088	\$ 278,024.00
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	12,088	\$ 60,440.00
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	3,022	\$ 3,022.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	6,044	\$ 6,044.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	135	\$ 540.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	4	\$ 4,000.00
HYDRO SEEDING	AC	\$ 1,500.00	6	\$ 9,000.00
SUBTOTAL CONSTRUCTION				\$ 705,745.89
CONTIGENCY - 30%				\$ 211,723.77
TOTAL CONSTRUCTION				\$ 917,469.66
ROUNDED TOTAL CONSTRUCTION				\$ 920,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 920,000.00</b>

**US 90 / LA 318 INTERCHANGE  
ALTERNATIVE D**

**Southeast US 90 Frontage Road**

Date: 16-Sep-11

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
EXCAVATION (MISC. & DRAINAGE)	CU YD	\$ 7.00	644	\$ 4,508.52
EMBANKMENT	CU YD	\$ 13.00	8,631	\$ 112,197.70
ASPHALT WEARING COURSE (2" THICK)	TON	\$ 70.00	1,600	\$ 111,991.60
ASPHALT BINDER COURSE (3" THICK)	TON	\$ 70.00	2,400	\$ 167,987.40
CLASS II BASE COURSE (10" THICK)	SQ YD	\$ 23.00	13,912	\$ 319,976.00
LIME TREATMENT (12" THICK)	SQ YD	\$ 5.00	13,912	\$ 69,560.00
PAVEMENT MARKING (4" YELLOW)	LIN FT	\$ 1.00	3,478	\$ 3,478.00
PAVEMENT MARKING (4" WHITE)	LIN FT	\$ 1.00	6,956	\$ 6,956.00
RASIED PAVEMENT MARKERS	EACH	\$ 4.00	140	\$ 560.00
SIGN AND POST (FOR LANE CONTROL)	EACH	\$ 1,000.00	4	\$ 4,000.00
HYDRO SEEDING	AC	\$ 1,500.00	6	\$ 9,000.00
SUBTOTAL CONSTRUCTION				\$ 810,215.22
CONTIGENCY - 30%				\$ 243,064.57
TOTAL CONSTRUCTION				\$ 1,053,279.79
ROUNDED TOTAL CONSTRUCTION				\$ 1,060,000.00
<b>TOTAL ESTIMATED IMPLEMENTATION COST</b>				<b>\$ 1,060,000.00</b>