

**Engineer's Opinion of Probable Cost**

Name: US DOT#014515D, FM 2758

TxDOT\_Amarillo\_District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item No.	Item Description		Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>						
10.1	Grading		0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements		0	LS	\$ 1.00	\$ -	
10.3	12" Subballast		0	CY	\$ 65.00	\$ -	
10.4	New Track		0	TF	\$ 215.00	\$ -	
10.5	Shift Track		0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track		0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout		0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout		0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing		0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	Location/Description	0	TF	\$ 16,000.00	\$ -	
10.11	Shoofly Railroad Bridge	Location/Description	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	Location/Description	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal		0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal		0	EA	\$ 8,000.00	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	10 Subtotal						\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>						
20.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Stations, Stops, Terminals	30%					\$ -
	20 Subtotal						\$ -
<b>30.0</b>	<b>Support Facilities</b>						
30.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	30 Subtotal						\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>						
40.1	Mobilization	10% subtotal 10-50 wout mob/misc	1	LS	\$ 751,721.28	\$ 751,721.28	
40.2	Demolition, Clearing	\$3000/Sta	1	LS	\$ 105,240.00	\$ 105,240.00	
40.3	Site Utilities, Utility Relocation Unspecified		1	LS	\$ 596,540.56	\$ 596,540.56	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF		1	LS	\$ 22,730.00	\$ 22,730.00	
40.5	Embankment		14,762	CY	\$ 15.94	\$ 235,306.28	
40.6	Excavation		0	CY	\$ 8.43	\$ -	
40.7	Drainage	5% subtotal 40 wout mob/drn	1	LS	\$ 328,097.31	\$ 328,097.31	
40.8	Concrete Paving						
		___ Rd	0	SY	\$ 54.58	\$ -	
		___ Rd	0	SY	\$ 54.58	\$ -	
		Bridge approach slabs	57	CY	\$ 476.10	\$ 27,137.70	
		Curb & Gutter	7,455	LF	\$ 11.52	\$ 85,881.60	
		Mono Curb	0	LF	\$ 5.64	\$ -	
		* Sidewalk	3230	SY	\$ 48.54	\$ 156,784.20	
		Riprap	188	CY	\$ 431.31	\$ 81,086.28	
		* Curb Ramps	22	EA	\$ 1,736.66	\$ 38,206.52	
40.9	Asphalt Paving						
		RM 2758	5,162	SY	\$ 22.65	\$ 116,919.30	
		Access Rd	12,937	SY	\$ 22.65	\$ 293,023.05	
41.0	Pavement Removal						
		RM 2758	6,364	SY	\$ 1.61	\$ 10,246.04	
		___ Rd	0	SY	\$ 5.26	\$ -	
		Sidewalk & Ramp	0	SY	\$ 17.29	\$ -	
		Riprap	0	SY	\$ 9.37	\$ -	
		Median	0	SY	\$ 13.15	\$ -	
		Curb & Gutter	0	LF	\$ 4.63	\$ -	

**Engineer's Opinion of Probable Cost**

Name: US DOT#014515D, FM 2758

TxDOT\_Amarillo\_District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
	Mono Curb	0	LF	\$ 4.55	\$ -	
41.1	Signing/Marking					
	RM 2758	1	LS	\$ 54,811.31	\$ 54,811.31	
	___ Rd	0	LS	\$ -	\$ -	
41.2	Traffic Control					
	RM 2758	1	LS	\$ 200,000.00	\$ 200,000.00	
	___ Rd	0	LS	\$ -	\$ -	
41.3	Intersection Upgrade					
	RM 2758 @ US 60	1	EA	\$ 100,000.00	\$ 100,000.00	
	___ @ ___	0	EA	\$ -	\$ -	
41.4	Roadway Bridges					
	RM 2758	23,732	SF	\$ 127.26	\$ 3,020,134.32	
41.5	Roadway Retaining Walls/Crash Walls					
	RM 2758	28,245	SF	\$ 50.20	\$ 1,417,899.00	
	___ Rd	0	SF	\$ 50.20	\$ -	
	Subtotal without mob					\$ 6,890,043.47
	Miscellaneous: 30%					\$ 2,067,013.04
	40 Subtotal					\$ 9,708,777.79
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
	MP 444.12 Location	1	LS	\$ 100,000.00	\$ 100,000.00	
	Various Grade Crossings	0	LS	\$ -	\$ -	
50.2	Grade Crossing Warning Device Upgrade					
	Removal at DOT#014515D	1	LS	\$ 20,000.00	\$ 20,000.00	
50.3	Traffic Signal					
	RM 2758 @ US 60	1	LS	\$ 400,000.00	\$ 400,000.00	
50.4	Lighting					
	RM 2758	1	LS	\$ 107,169.30	\$ 107,169.30	
	Subtotal					\$ 627,169.30
	Miscellaneous: 30%					\$ 188,150.79
	50 Subtotal					\$ 815,320.09
	Construction subtotal without mob or misc					\$ 7,517,212.77
	Construction Subtotal (10-50)					\$ 10,524,097.88
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Low Impact (Minimal to No Damages)	1	LS	\$ 310,018.80	\$ 310,018.80	
	Medium Impact (Moderate Damages)	0	LS	\$ -	\$ -	
	High Impact (Significant Damages)	0	LS	\$ -	\$ -	
	Subtotal					\$ 310,018.80
	Miscellaneous: 30%					\$ 93,005.64
	60 Subtotal					\$ 403,024.44
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	70 Subtotal					\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering	5%	LS	\$ 10,524,097.88	\$ 526,200.00	
80.2	Final Design	8%	LS	\$ 10,524,097.88	\$ 841,900.00	
80.3	Construction Administration and Management	9%	LS	\$ 10,524,097.88	\$ 947,200.00	
80.4	Insurance	2%	LS	\$ 10,524,097.88	\$ 210,500.00	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 10,524,097.88	\$ 315,700.00	
	80 Subtotal					\$ 2,841,500.00
	Subtotal (10-80)					\$ 13,768,622.32
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated	15%	LS	\$ 13,768,622.32	\$ 2,065,300.00	

**Engineer's Opinion of Probable Cost**

Name: US DOT#014515D, FM 2758

TxDOT\_Amarillo\_District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
	90 Subtotal					\$ 2,065,300.00
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -
	Total Project Costs (10-100)					\$ 15,833,922.32
	1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021				
	2. Upgrade Traffic Signal	3. Construct new traffic signal				
	4. Reconfigure and Restripe Intersection					
	5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.					
*	Estimate includes sidewalk & curb ramps along frontage roads on the west end only. Further assessment may be needed and the quantities adjusted accordingly.					

**Engineer's Opinion of Probable Cost**

Name: US DOT#014693P, W 46th Ave

TxDOT\_Amarillo\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item No.	Item Description		Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>						
10.1	Grading		0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements		0	LS	\$ 1.00	\$ -	
10.3	12" Subballast		0	CY	\$ 65.00	\$ -	
10.4	New Track		0	TF	\$ 215.00	\$ -	
10.5	Shift Track		0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track		0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout		0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout		0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing		0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	Location/Description	0	TF	\$ 16,000.00	\$ -	
10.11	Shoofly Railroad Bridge	Location/Description	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	Location/Description	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal		0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal		0	EA	\$ 8,000.00	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	10 Subtotal						\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>						
20.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Stations, Stops, Terminals	30%					\$ -
	20 Subtotal						\$ -
<b>30.0</b>	<b>Support Facilities</b>						
30.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	30 Subtotal						\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>						
40.1	Mobilization	10% subtotal 10-50 wout mob/misc	1	LS	\$ 1,156,629.13	\$ 1,156,629.13	
40.2	Demolition, Clearing	\$3000/Sta	1	LS	\$ -	\$ -	
40.3	Site Utilities, Utility Relocation Unspecified		1	LS	\$ 978,013.26	\$ 978,013.26	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF		1	LS	\$ -	\$ -	
40.5	Embankment		25,076	CY	\$ 15.94	\$ 399,711.44	
40.6	Excavation		0	CY	\$ 8.43	\$ -	
40.7	Drainage	5% subtotal 40 wout mob/drm	1	LS	\$ 537,907.29	\$ 537,907.29	
40.8	Concrete Paving						
		W 46th Ave	5860	SY	\$ 54.58	\$ 319,838.80	
		Driveways	66	SY	\$ 54.58	\$ 3,602.28	
		Bridge approach slabs	82	CY	\$ 476.10	\$ 39,040.20	
		Curb & Gutter	11,499	LF	\$ 11.52	\$ 132,468.48	
		Mono Curb	0	LF	\$ 5.64	\$ -	
		Sidewalk	5324	SY	\$ 48.54	\$ 258,426.96	
		Riprap (bridge abutments)	281	CY	\$ 431.31	\$ 121,198.11	
		Curb Ramps	2	EA	\$ 1,736.66	\$ 3,473.32	
40.9	Asphalt Paving						
		W 46th Ave	6,537	SY	\$ 22.65	\$ 148,063.05	
		One-Way Access Road	4,038	SY	\$ 22.65	\$ 91,460.70	
		S Polk St Extension	2,011	SY	\$ 22.65	\$ 45,549.15	
		Access Drive	4,584	SY	\$ 22.65	\$ 103,827.60	
41.0	Pavement Removal						
		W 46th Ave	16,174	SY	\$ 1.61	\$ 26,040.14	
		Sidewalk & Ramp	0	SY	\$ 17.29	\$ -	
		Riprap	0	SY	\$ 9.37	\$ -	
		Median	0	SY	\$ 13.15	\$ -	
		Curb & Gutter	0	LF	\$ 4.63	\$ -	

**Engineer's Opinion of Probable Cost**

Name: US DOT#014693P, W 46th Ave

TxDOT\_Amarillo\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
	Mono Curb	0	LF	\$ 4.55	\$ -	
41.1	Signing/Marking					
	W 46th Ave	1	LS	\$ 57,885.72	\$ 57,885.72	
41.2	Traffic Control					
	W 46th Ave	1	LS	\$ 200,000.00	\$ 200,000.00	
	___ Rd	0	LS	\$ -	\$ -	
41.3	Intersection Upgrade					
	Access Road @ CR 1345	1	EA	\$ 5,000.00	\$ 5,000.00	
41.4	Roadway Bridges					
	W 46th Ave	50,584	SF	\$ 127.26	\$ 6,437,319.84	
41.5	Roadway Retaining Walls/Crash Walls					
	W 46th Ave	27,634	SF	\$ 50.20	\$ 1,387,226.80	
	Subtotal without mob					\$ 11,296,053.14
	Miscellaneous: 30%					\$ 3,388,815.94
	40 Subtotal					\$ 15,841,498.21
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
	Removal at MP 422.93 Location	1	LS	\$ 100,000.00	\$ 100,000.00	
50.2	Grade Crossing Warning Device Upgrade					
	Removal at DOT#789584C	1	EA	\$ 20,000.00	\$ 20,000.00	
50.3	Traffic Signal					
	Location/Description	0	LS	\$ -	\$ -	
50.4	Lighting					
	W 46th Ave	1	LS	\$ 150,238.20	\$ 150,238.20	
	Subtotal					\$ 270,238.20
	Miscellaneous: 30%					\$ 81,071.46
	50 Subtotal					\$ 351,309.66
	Construction subtotal without mob or misc					\$ 11,566,291.34
	Construction Subtotal (10-50)					\$ 16,192,807.87
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Low Impact (Minimal to No Damages)	1	LS	\$ 134,412.40	\$ 134,412.40	
	Medium Impact (Moderate Damages)	1	LS	\$ 428,690.00	\$ 428,690.00	
	High Impact (Significant Damages)	0	LS	\$ -	\$ -	
	Subtotal					\$ 563,102.40
	Miscellaneous: 30%					\$ 168,930.72
	60 Subtotal					\$ 732,033.12
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	70 Subtotal					\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering	5%	LS	\$ 16,192,807.87	\$ 809,600.00	
80.2	Final Design	8%	LS	\$ 16,192,807.87	\$ 1,295,400.00	
80.3	Construction Administration and Management	9%	LS	\$ 16,192,807.87	\$ 1,457,400.00	
80.4	Insurance	2%	LS	\$ 16,192,807.87	\$ 323,900.00	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 16,192,807.87	\$ 485,800.00	
	80 Subtotal					\$ 4,372,100.00
	Subtotal (10-80)					\$ 21,296,940.99
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated	15%	LS	\$ 21,296,940.99	\$ 3,194,500.00	
	90 Subtotal					\$ 3,194,500.00
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -

**Engineer's Opinion of Probable Cost**

Name: US DOT#014693P, W 46th Ave

TxDOT\_Amarillo\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total		
Total Project Costs (10-100)						\$	24,491,440.99
1.Remove exising Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021						
2. Upgrade Traffic Signal	3. Construct new traffic signal						
4. Reconfigure and Restripe Intersection							
5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.							

**Engineer's Opinion of Probable Cost**

Name: US DOT#014787R, US 70

TxDOT Lubbock District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>					
10.1	Grading	0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements	0	LS	\$ 1.00	\$ -	
10.3	12" Subballast	0	CY	\$ 65.00	\$ -	
10.4	New Track	0	TF	\$ 215.00	\$ -	
10.5	Shift Track	0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track	0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout	0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout	0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing	0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	0	TF	\$ 16,000.00	\$ -	
10.11	Shoofly Railroad Bridge	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal	0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal	0	EA	\$ 8,000.00	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	10 Subtotal					\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>					
20.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Stations, Stops, Terminals 30%					\$ -
	20 Subtotal					\$ -
<b>30.0</b>	<b>Support Facilities</b>					
30.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	30 Subtotal					\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>					
40.1	Mobilization	1	LS	\$ 895,408.38	\$ 895,408.38	
40.2	Demolition, Clearing	1	LS	\$ 86,790.00	\$ 86,790.00	
40.3	Site Utilities, Utility Relocation Unspecified	1	LS	\$ 757,759.01	\$ 757,759.01	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF	1	LS	\$ 20,380.00	\$ 20,380.00	
40.5	Embankment	22,576	CY	\$ 15.94	\$ 359,861.44	
40.6	Excavation	0	CY	\$ 8.43	\$ -	
40.7	Drainage	1	LS	\$ 416,767.46	\$ 416,767.46	
40.8	Concrete Paving					
	___ Rd	0	SY	\$ 54.58	\$ -	
	___ Rd	0	SY	\$ 54.58	\$ -	
	Bridge approach slabs	87	CY	\$ 476.10	\$ 41,420.70	
	Curb & Gutter	6,252	LF	\$ 11.52	\$ 72,023.04	
	Mono Curb	0	LF	\$ 5.64	\$ -	
	Sidewalk	1090	SY	\$ 48.54	\$ 52,908.60	
	Riprap	66	CY	\$ 431.31	\$ 28,466.46	
	Curb Ramps	56	EA	\$ 1,736.66	\$ 97,252.96	
40.9	Asphalt Paving					
	US 70	8,535	SY	\$ 22.65	\$ 193,317.75	
	Access Rd	8,609	SY	\$ 22.65	\$ 194,993.85	
41.0	Pavement Removal					
	US 70	12,387	SY	\$ 1.61	\$ 19,943.07	
	___ Rd	0	SY	\$ 5.26	\$ -	
	Sidewalk & Ramp	1,131	SY	\$ 17.29	\$ 19,554.99	
	Riprap	0	SY	\$ 9.37	\$ -	
	Median	0	SY	\$ 13.15	\$ -	
	Curb & Gutter	1,336	LF	\$ 4.63	\$ 6,185.68	

**Engineer's Opinion of Probable Cost**

Name: US DOT#014787R, US 70

TxDOT Lubbock District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
	Mono Curb	0	LF	\$ 4.55	\$ -	
41.1	Signing/Marking					
	US 70	1	LS	\$ 74,374.52	\$ 74,374.52	
	___ Rd	0	LS	\$ -	\$ -	
41.2	Traffic Control					
	US 70	1	LS	\$ 200,000.00	\$ 200,000.00	
	___ Rd	0	LS	\$ -	\$ -	
41.3	Intersection Upgrade					
	___ @ ___	0	EA	\$ -	\$ -	
	___ @ ___	0	EA	\$ -	\$ -	
41.4	Roadway Bridges					
	US 70	35,881	SF	\$ 127.26	\$ 4,566,216.06	
41.5	Roadway Retaining Walls/Crash Walls					
	US 70	30,755	SF	\$ 50.20	\$ 1,543,901.00	
	___ Rd	0	SF	\$ 50.20	\$ -	
	Subtotal without mob					\$ 8,752,116.59
	Miscellaneous: 30%					\$ 2,625,634.98
	40 Subtotal					\$ 12,273,159.95
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
	MP 647.272 Location	1	LS	\$ 100,000.00	\$ 100,000.00	
	Various Grade Crossings	0	LS	\$ -	\$ -	
50.2	Grade Crossing Warning Device Upgrade					
	Removal at DOT#014787R	1	LS	\$ 20,000.00	\$ 20,000.00	
50.3	Traffic Signal					
	Location/Description	0	LS	\$ -	\$ -	
50.4	Lighting					
	US 70	1	LS	\$ 81,967.20	\$ 81,967.20	
	Subtotal					\$ 201,967.20
	Miscellaneous: 30%					\$ 60,590.16
	50 Subtotal					\$ 262,557.36
	Construction subtotal without mob or misc					\$ 8,954,083.79
	Construction Subtotal (10-50)					\$ 12,535,717.31
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Low Impact (Minimal to No Damages)	1	LS	\$ 354,356.00	\$ 354,356.00	
	Medium Impact (Moderate Damages)	0	LS	\$ -	\$ -	
	High Impact (Significant Damages)	1	LS	\$ 10,097,010.00	\$ 10,097,010.00	
	Subtotal					\$ 10,451,366.00
	Miscellaneous: 30%					\$ 3,135,409.80
	60 Subtotal					\$ 13,586,775.80
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	70 Subtotal					\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering	5%	LS	\$ 12,535,717.31	\$ 626,800.00	
80.2	Final Design	8%	LS	\$ 12,535,717.31	\$ 1,002,900.00	
80.3	Construction Administration and Management	9%	LS	\$ 12,535,717.31	\$ 1,128,200.00	
80.4	Insurance	2%	LS	\$ 12,535,717.31	\$ 250,700.00	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 12,535,717.31	\$ 376,100.00	
	80 Subtotal					\$ 3,384,700.00
	Subtotal (10-80)					\$ 29,507,193.11
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated	15%	LS	\$ 29,507,193.11	\$ 4,426,100.00	
	90 Subtotal					\$ 4,426,100.00

**Engineer's Opinion of Probable Cost**

Name: US DOT#014787R, US 70

TxDOT Lubbock District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -
	<b>Total Project Costs (10-100)</b>					<b>\$ 33,933,293.11</b>
	1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021				
	2. Upgrade Traffic Signal	3. Construct new traffic signal				
	4. Reconfigure and Restripe Intersection					
	5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.					

**Engineer's Opinion of Probable Cost**

Name: US DOT#020589J, FM922

TxDOT\_Wichita Falls\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>					
10.1	Grading	12,557	CY	\$ 15.00	\$ 188,355.00	
10.2	Subgrade Improvements	0	LS	\$ 1.00	\$ -	
10.3	12" Subballast	11,841	CY	\$ 65.00	\$ 769,665.00	
10.4	New Track	6,355	TF	\$ 215.00	\$ 1,366,325.00	
10.5	Shift Track	0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track	0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout	2	EA	\$ 230,000.00	\$ 460,000.00	
10.8	Install Hand Throw Turnout	0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing	0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	250	TF	\$ 11,000.00	\$ 2,750,000.00	
10.11	Shoofly Railroad Bridge	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal	2,201	TF	\$ 50.00	\$ 110,050.00	
10.14	Existing Turnout Removal	1	EA	\$ 8,000.00	\$ 8,000.00	
	Subtotal					\$ 5,652,395.00
	Miscellaneous: 30%					\$ 1,695,718.50
	10 Subtotal					\$ 7,348,200.00
<b>20.0</b>	<b>Stations, Stops, Terminals</b>					
20.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Stations, Stops, Terminals 30%					\$ -
	20 Subtotal					\$ -
<b>30.0</b>	<b>Support Facilities</b>					
30.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	30 Subtotal					\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>					
40.1	Mobilization	1	LS	\$ 584,389.16	\$ 584,389.16	
40.2	Demolition, Clearing	0	LS	\$ -	\$ -	
40.3	Site Utilities, Utility Relocation Unspecified *	1	LS	\$ 5,590.60	\$ 5,590.60	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF	1	LS	\$ -	\$ -	
40.5	Embankment	0	CY	\$ 15.94	\$ -	
40.6	Excavation	0	CY	\$ 8.43	\$ -	
40.7	Drainage	1	LS	\$ 10,000.00	\$ 10,000.00	
	Culvert Extension (10'x10' RCB)	30	LF	\$ 1,500.00	\$ 45,000.00	
40.8	Concrete Paving					
	FM 922	0	SY	\$ 54.58	\$ -	
	Driveways	0	SY	\$ 54.58	\$ -	
	Bridge approach slabs	0	CY	\$ 476.10	\$ -	
	Curb & Gutter	0	LF	\$ 11.52	\$ -	
	Mono Curb	0	LF	\$ 5.64	\$ -	
	Sidewalk	0	SY	\$ 48.54	\$ -	
	Riprap (bridge abutments)	0	CY	\$ 431.31	\$ -	
	Curb Ramps	0	EA	\$ 1,736.66	\$ -	
40.9	Asphalt Paving					
	FM 922	40	SY	\$ 22.65	\$ 906.00	
	___ Rd	0	SY	\$ 22.65	\$ -	
41.0	Pavement Removal					
	FM 922	0	SY	\$ 1.61	\$ -	
	___ Rd	0	SY	\$ 5.26	\$ -	
	Sidewalk & Ramp	0	SY	\$ 17.29	\$ -	
	Riprap	0	SY	\$ 9.37	\$ -	
	Median	0	SY	\$ 13.15	\$ -	

**Engineer's Opinion of Probable Cost**

Name: US DOT#020589J, FM922

TxDOT Wichita Falls District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
	Curb & Gutter	0	LF	\$ 4.63	\$ -	
	Mono Curb	0	LF	\$ 4.55	\$ -	
41.1	Signing/Marking					
	FM 922	0	LS	\$ -	\$ -	
41.2	Traffic Control					
	FM 922	1	LS	\$ 10,000.00	\$ 10,000.00	
41.3	Intersection Upgrade					
	Location/Description	0	EA	\$ 100,000.00	\$ -	
41.4	Roadway Bridges					
	FM 922	0	SF	\$ 127.26	\$ -	
41.5	Roadway Retaining Walls/Crash Walls					
	FM 922	0	SF	\$ 50.20	\$ -	
	Subtotal without mob					\$ 71,496.60
	Miscellaneous: 30%					\$ 21,448.98
	40 Subtotal					\$ 677,334.74
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
	Modification at MP 401.0	1	LS	\$ 100,000.00	\$ 100,000.00	
50.2	Grade Crossing Warning Device Upgrade					
	Modification at DOT#020589J	1	EA	\$ 20,000.00	\$ 20,000.00	
50.3	Traffic Signal					
	Location/Description	0	LS	\$ -	\$ -	
50.4	Lighting					
	FM 922	0	LS	\$ 0.00	\$ -	
	Subtotal					\$ 120,000.00
	Miscellaneous: 30%					\$ 36,000.00
	50 Subtotal					\$ 156,000.00
	Construction subtotal without mob or misc					\$ 5,843,891.60
	Construction Subtotal (10-50)					\$ 8,181,534.74
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Low Impact (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Medium Impact (Moderate Damages)	0	LS	\$ -	\$ -	
	High Impact (Significant Damages)	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	60 Subtotal					\$ -
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	70 Subtotal					\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering	5%	LS	\$ 8,181,534.74	\$ 409,100.00	
80.2	Final Design	8%	LS	\$ 8,181,534.74	\$ 654,500.00	
80.3	Construction Administration and Management	9%	LS	\$ 8,181,534.74	\$ 736,300.00	
80.4	Insurance	2%	LS	\$ 8,181,534.74	\$ 163,600.00	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 8,181,534.74	\$ 245,400.00	
	80 Subtotal					\$ 2,208,900.00
	Subtotal (10-80)					\$ 10,390,434.74
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated	15%	LS	\$ 10,390,434.74	\$ 1,558,600.00	
	90 Subtotal					\$ 1,558,600.00
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -

**Engineer's Opinion of Probable Cost**

Name: US DOT#020589J, FM922

TxDOT\_Wichita Falls\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total		
Total Project Costs (10-100)						\$	11,949,034.74
1.Remove existing Traffic Signal				Unit cost based on TxDOT average low-bid unit prices for May 2021			
2. Upgrade Traffic Signal	3. Construct new traffic signal						
4. Reconfigure and Restripe Intersection							
5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.							
* Site utilities within the railroad are assumed to be avoided or costs will be incurred by utility per agreement with railroad.							
** Assumes new track to be constructed without shoofly							

**Engineer's Opinion of Probable Cost**

Name: US DOT#022813Y, FM 1456

TxDOT\_Yoakum District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>					
10.1	Grading	0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements	0	LS	\$ 1.00	\$ -	
10.3	12" Subballast	0	CY	\$ 65.00	\$ -	
10.4	New Track	0	TF	\$ 215.00	\$ -	
10.5	Shift Track	0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track	0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout	0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout	0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing	0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	0	TF	\$ 16,000.00	\$ -	
10.11	Shoofly Railroad Bridge	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal	0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal	0	EA	\$ 8,000.00	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	10 Subtotal					\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>					
20.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Stations, Stops, Terminals 30%					\$ -
	20 Subtotal					\$ -
<b>30.0</b>	<b>Support Facilities</b>					
30.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	30 Subtotal					\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>					
40.1	Mobilization	1	LS	\$ 958,984.55	\$ 958,984.55	
40.2	Demolition, Clearing	1	LS	\$ 117,180.00	\$ 117,180.00	
40.3	Site Utilities, Utility Relocation Unspecified	1	LS	\$ 806,222.31	\$ 806,222.31	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF	1	LS	\$ 24,260.00	\$ 24,260.00	
40.5	Embankment	16,153	CY	\$ 15.94	\$ 257,478.82	
40.6	Excavation	0	CY	\$ 8.43	\$ -	
40.7	Drainage	1	LS	\$ 443,422.27	\$ 443,422.27	
40.8	Concrete Paving					
	___ Rd	0	SY	\$ 54.58	\$ -	
	___ Rd	0	SY	\$ 54.58	\$ -	
	Bridge approach slabs	67	CY	\$ 476.10	\$ 31,898.70	
	Curb & Gutter	8,353	LF	\$ 11.52	\$ 96,226.56	
	Mono Curb	0	LF	\$ 5.64	\$ -	
	Sidewalk	0	SY	\$ 48.54	\$ -	
	Riprap	275	CY	\$ 431.31	\$ 118,610.25	
	Curb Ramps	0	EA	\$ 1,736.66	\$ -	
40.9	Asphalt Paving					
	FM 1456	6,160	SY	\$ 22.65	\$ 139,524.00	
	Access Rd	12,615	SY	\$ 22.65	\$ 285,729.75	
41.0	Pavement Removal					
	FM 1456	7,076	SY	\$ 1.61	\$ 11,392.36	
	___ Rd	0	SY	\$ 5.26	\$ -	
	Sidewalk & Ramp	343	SY	\$ 17.29	\$ 5,930.47	
	Riprap	0	SY	\$ 9.37	\$ -	
	Median	0	SY	\$ 13.15	\$ -	
	Curb & Gutter	618	LF	\$ 4.63	\$ 2,861.34	

**Engineer's Opinion of Probable Cost**

Name: US DOT#022813Y, FM 1456

TxDOT\_Yoakum District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
	Mono Curb	0	LF	\$ 4.55	\$ -	
41.1	Signing/Marking					
	FM 1456	1	LS	\$ 64,045.47	\$ 64,045.47	
	___ Rd	0	LS	\$ -	\$ -	
41.2	Traffic Control					
	FM 1456	1	LS	\$ 200,000.00	\$ 200,000.00	
	___ Rd	0	LS	\$ -	\$ -	
41.3	Intersection Upgrade					
	___ @ ___	0	EA	\$ -	\$ -	
	___ @ ___	0	EA	\$ -	\$ -	
41.4	Roadway Bridges					
	FM 1456	41,480	SF	\$ 127.26	\$ 5,278,744.80	
41.5	Roadway Retaining Walls/Crash Walls					
	FM 1456	28,453	SF	\$ 50.20	\$ 1,428,340.60	
	___ Rd	0	SF	\$ 50.20	\$ -	
	Subtotal without mob					\$ 9,311,867.70
	Miscellaneous: 30%					\$ 2,793,560.31
	40 Subtotal					\$ 13,064,412.56
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
	MP 108.31 Location	1	LS	\$ 100,000.00	\$ 100,000.00	
	Various Grade Crossings	0	LS	\$ -	\$ -	
50.2	Grade Crossing Warning Device Upgrade					
	Removal at DOT#022813Y	1	LS	\$ 20,000.00	\$ 20,000.00	
50.3	Traffic Signal					
	Location/Description	0	LS	\$ -	\$ -	
50.4	Lighting					
	FM 1456	1	LS	\$ 157,977.75	\$ 157,977.75	
	Subtotal					\$ 277,977.75
	Miscellaneous: 30%					\$ 83,393.33
	50 Subtotal					\$ 361,371.08
	Construction subtotal without mob or misc					\$ 9,589,845.45
	Construction Subtotal (10-50)					\$ 13,425,783.64
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Low Impact (Minimal to No Damages)	1	LS	\$ 672,651.20	\$ 672,651.20	
	Medium Impact (Moderate Damages)	1	LS	\$ 65,246.00	\$ 65,246.00	
	High Impact (Significant Damages)	1	LS	\$ 3,388,020.00	\$ 3,388,020.00	
	Subtotal					\$ 4,125,917.20
	Miscellaneous: 30%					\$ 1,237,775.16
	60 Subtotal					\$ 5,363,692.36
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	70 Subtotal					\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering	5%	LS	\$ 13,425,783.64	\$ 671,300.00	
80.2	Final Design	8%	LS	\$ 13,425,783.64	\$ 1,074,100.00	
80.3	Construction Administration and Management	9%	LS	\$ 13,425,783.64	\$ 1,208,300.00	
80.4	Insurance	2%	LS	\$ 13,425,783.64	\$ 268,500.00	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 13,425,783.64	\$ 402,800.00	
	80 Subtotal					\$ 3,625,000.00
	Subtotal (10-80)					\$ 22,414,476.00
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated	15%	LS	\$ 22,414,476.00	\$ 3,362,200.00	
	90 Subtotal					\$ 3,362,200.00

**Engineer's Opinion of Probable Cost**

Name: US DOT#022813Y, FM 1456

TxDOT\_Yoakum District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -
	<b>Total Project Costs (10-100)</b>					<b>\$ 25,776,676.00</b>
	1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021				
	2. Upgrade Traffic Signal	3. Construct new traffic signal				
	4. Reconfigure and Restripe Intersection					
	5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.					

**Engineer's Opinion of Probable Cost**

Name: US DOT# 426542N, TX 149

TxDOT\_Tyler\_District

Prepared by: MV, Civil Corp

Date: July 20, 2021

Item No.	Item Description		Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>						
10.1	Grading		0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements		0	LS	\$ 1.00	\$ -	
10.3	12" Subballast		0	CY	\$ 65.00	\$ -	
10.4	New Track		0	TF	\$ 215.00	\$ -	
10.5	Shift Track		0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track		0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout		0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout		0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing		0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	Location/Description	0	TF	\$ 16,000.00	\$ -	
10.11	Shoofly Railroad Bridge	Location/Description	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	Location/Description	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal		0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal		0	EA	\$ 8,000.00	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	10 Subtotal						\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>						
20.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Stations, Stops, Terminals	30%					\$ -
	20 Subtotal						\$ -
<b>30.0</b>	<b>Support Facilities</b>						
30.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	30 Subtotal						\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>						
40.1	Mobilization	10% subtotal 10-50 wout mob/misc	1	LS	\$ 1,051,892.22	\$ 1,051,892.22	
40.2	Demolition, Clearing	\$3000/Sta	1	LS	\$ 87,180.00	\$ 87,180.00	
40.3	Site Utilities, Utility Relocation Unspecified		1	LS	\$ 846,660.92	\$ 846,660.92	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF		1	LS	\$ 24,140.00	\$ 24,140.00	
40.5	Embankment		31,886	CY	\$ 15.94	\$ 508,262.84	
40.6	Excavation		0	CY	\$ 8.43	\$ -	
40.7	Drainage 5% wout mob/dm		1	LS	\$ 465,663.51	\$ 465,663.51	
40.8	Concrete Paving						
		___ Rd	0	SY	\$ 54.58	\$ -	
		___ Rd	0	SY	\$ 54.58	\$ -	
		Bridge approach slabs	91	CY	\$ 476.10	\$ 43,325.10	
		Curb & Gutter	8,770	LF	\$ 11.52	\$ 101,030.40	
		Mono Curb	0	LF	\$ 5.64	\$ -	
		Sidewalk	0	SY	\$ 48.54	\$ -	
		Riprap	84	CY	\$ 431.31	\$ 36,230.04	
		Curb Ramps	14	EA	\$ 1,736.66	\$ 24,313.24	
40.9	Asphalt Paving						
		TX-149	13,161	SY	\$ 22.65	\$ 298,096.65	
		Frontage Road	10,151	SY	\$ 22.65	\$ 229,920.15	
41.0	Pavement Removal						
		TX-149	32,001	SY	\$ 1.61	\$ 51,521.61	
		Frontage Road	0	SY	\$ 5.26	\$ -	
		Sidewalk & Ramp	0	SY	\$ 17.29	\$ -	
		Riprap	0	SY	\$ 9.37	\$ -	
		Median	0	SY	\$ 13.15	\$ -	
		Curb & Gutter	0	LF	\$ 4.63	\$ -	

**Engineer's Opinion of Probable Cost**

Name: US DOT# 426542N, TX 149

TxDOT\_Tyler\_District

Prepared by: MV, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
	Mono Curb	0	LF	\$ 4.55	\$ -	
41.1	Signing/Marking					
	TX 149	1	LS	\$ 71,801.98	\$ 71,801.98	
		0	LS	\$ -	\$ -	
41.2	Traffic Control					
	TX-149	1	LS	\$ 200,000.00	\$ 200,000.00	
	___ Rd	0	LS	\$ -	\$ -	
41.3	Intersection Upgrade					
	<sup>4</sup> TX 149 @ Estes	1	EA	\$ 100,000.00	\$ 100,000.00	
	Estes Dr (Minor)	1	EA	\$ 5,000.00	\$ 5,000.00	
41.4	Roadway Bridges					
	TX-149	41,064	SF	\$ 127.00	\$ 5,215,128.00	
41.5	Roadway Retaining Walls/Crash Walls					
	TX-149	29,296	SF	\$ 50.20	\$ 1,470,659.20	
	___ Rd	0	SF	\$ 50.20	\$ -	
	Subtotal without mob					\$ 9,778,933.64
	Miscellaneous: 30%					\$ 2,933,680.09
	40 Subtotal					\$ 13,764,505.95
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
	MP 4.388 Location	1	LS	\$ 100,000.00	\$ 100,000.00	
	Various Grade Crossings	0	LS	\$ -	\$ -	
50.2	Grade Crossing Warning Device Upgrade					
	Removal at DOT#426542N	1	EA	\$ 20,000.00	\$ 20,000.00	
50.3	Traffic Signal					
	1 Estes Dr & TX 149	1	LS	\$ 10,000.00	\$ 10,000.00	
	3 Estes Dr & TX 150	1	LS	\$ 500,000.00	\$ 500,000.00	
50.4	Lighting					
	TX 149	1	LS	\$ 109,988.55	\$ 109,988.55	
	Subtotal					\$ 739,988.55
	Miscellaneous: 30%					\$ 221,996.57
	50 Subtotal					\$ 961,985.12
	Construction subtotal without mob or misc					\$ 10,518,922.19
	Construction Subtotal (10-50)					\$ 14,726,491.07
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimum to No damage)	0	LS	\$ -	\$ -	
	Low Impact (Minimum to No damage)	0	LS	\$ -	\$ -	
	Medium Impact ( Moderate damages)	1	LS	\$ 308,337.50	\$ 308,337.50	
	High Impcat ( Significant Damages)	0	LS	\$ -	\$ -	
	Subtotal					\$ 308,337.50
	Miscellaneous: 30%					\$ 92,501.25
	60 Subtotal					\$ 400,838.75
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	70 Subtotal					\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering	5%	LS	\$ 14,726,491.07	\$ 736,300.00	
80.2	Final Design	8%	LS	\$ 14,726,491.07	\$ 1,178,100.00	
80.3	Construction Administration and Management	9%	LS	\$ 14,726,491.07	\$ 1,325,400.00	
80.4	Insurance	2%	LS	\$ 14,726,491.07	\$ 294,500.00	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 14,726,491.07	\$ 441,800.00	
	80 Subtotal					\$ 3,976,100.00
	Subtotal (10-80)					\$ 19,103,429.82
<b>90.0</b>	<b>Unallocated Contingency</b>					

**Engineer's Opinion of Probable Cost**

Name: US DOT# 426542N, TX 149

TxDOT\_Tyler\_District

Prepared by: MV, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
90.1	Unallocated	15.0%	LS	\$ 19,103,429.82	\$ 2,865,500.00	
	90 Subtotal					\$ 2,865,500.00
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -
	<b>Total Project Costs (10-100)</b>					<b>\$ 21,968,929.82</b>
	1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021				
	2. Upgrade Traffic Signal	3. Construct new traffic signal				
	4. Reconfigure and Restripe Intersection					
	5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.					

Engineer's Opinion of Probable Cost

Name: US DOT#430178K, Bypass

TxDOT\_Bryan\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>					
10.1	Grading	0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements	0	LS	\$ 1.00	\$ -	
10.3	12" Subballast	0	CY	\$ 65.00	\$ -	
10.4	New Track	0	TF	\$ 215.00	\$ -	
10.5	Shift Track	0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track	0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout	0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout	0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing	0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	0	TF	\$ 16,000.00	\$ -	
10.11	Shoofly Railroad Bridge	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal	0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal	0	EA	\$ 8,000.00	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	10 Subtotal					\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>					
20.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Stations, Stops, Terminals 30%					\$ -
	20 Subtotal					\$ -
<b>30.0</b>	<b>Support Facilities</b>					
30.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	30 Subtotal					\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>					
40.1	Mobilization	1	LS	\$ 2,856,199.78	\$ 2,856,199.78	
40.2	Demolition, Clearing	1	LS	\$ 159,060.00	\$ 159,060.00	
40.3	Site Utilities, Utility Relocation Unspecified	1	LS	\$ 2,444,080.63	\$ 2,444,080.63	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF	1	LS	\$ 53,020.00	\$ 53,020.00	
40.5	Embankment	458,108	CY	\$ 15.94	\$ 7,302,241.52	
40.6	Excavation	0	CY	\$ 8.43	\$ -	
40.7	Drainage	1	LS	\$ 1,344,244.35	\$ 1,344,244.35	
40.8	Concrete Paving					
	Bypass	10908	SY	\$ 54.58	\$ 595,358.64	
	Driveways	0	SY	\$ 54.58	\$ -	
	Bridge approach slabs	84	CY	\$ 476.10	\$ 39,992.40	
	Curb & Gutter	0	LF	\$ 11.52	\$ -	
	Mono Curb	0	LF	\$ 5.64	\$ -	
	Sidewalk	0	SY	\$ 48.54	\$ -	
	Riprap (bridge abutments)	159	CY	\$ 431.31	\$ 68,578.29	
40.9	Curb Ramps	0	EA	\$ 1,736.66	\$ -	
	Asphalt Paving					
	Bypass	35,336	SY	\$ 22.65	\$ 800,360.40	
	Access Rd	0	SY	\$ 22.65	\$ -	
41.0	Pavement Removal					
	Bypass	35,189	SY	\$ 1.61	\$ 56,654.29	
	Sidewalk & Ramp	0	SY	\$ 17.29	\$ -	
	Riprap	0	SY	\$ 9.37	\$ -	
	Median	0	SY	\$ 13.15	\$ -	
	Curb & Gutter	0	LF	\$ 4.63	\$ -	
	Mono Curb	0	LF	\$ 4.55	\$ -	

**Engineer's Opinion of Probable Cost**

Name: US DOT#430178K, Bypass

TxDOT\_Bryan\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
41.1	Signing/Marking					
		Bypass	1	LS	\$ 93,848.88	\$ 93,848.88
41.2	Traffic Control					
		Bypass	1	LS	\$ 20,000.00	\$ 20,000.00
41.3	Intersection Upgrade					
		FM 50 - Bypass North Connection	1	EA	\$ 5,000.00	\$ 5,000.00
		FM 50 - Bypass South Connection	1	EA	\$ 5,000.00	\$ 5,000.00
41.4	Roadway Bridges					
		Bypass (Steel Span)	15,008	SF	\$ 350.00	\$ 5,252,800.00
		Bypass	78,492	SF	\$ 127.26	\$ 9,988,891.92
41.5	Roadway Retaining Walls/Crash Walls					
		Bypass	0	SF	\$ 50.20	\$ -
		Subtotal without mob				\$ 28,229,131.32
	Miscellaneous:	30%				\$ 8,468,739.40
		40 Subtotal				\$ 39,554,070.50
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
		Removal at MP 91.57 Location	1	LS	\$ 100,000.00	\$ 100,000.00
50.2	Grade Crossing Warning Device Upgrade					
		Removal at DOT#430178K	1	EA	\$ 20,000.00	\$ 20,000.00
50.3	Traffic Signal					
		Location/Description	0	LS	\$ -	\$ -
50.4	Lighting					
		Bypass	1	LS	\$212,866.50	\$ 212,866.50
		Subtotal				\$ 332,866.50
	Miscellaneous:	30%				\$ 99,859.95
		50 Subtotal				\$ 432,726.45
		Construction subtotal without mob or misc				\$ 28,561,997.82
		Construction Subtotal (10-50)				\$ 39,986,796.95
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimal to No Damages)		1	LS	\$ 395,300.00	\$ 395,300.00
	Low Impact (Minimal to No Damages)		0	LS	\$ -	\$ -
	Medium Impact (Moderate Damages)		0	LS	\$ -	\$ -
	High Impact (Significant Damages)		0	LS	\$ -	\$ -
		Subtotal				\$ 395,300.00
	Miscellaneous:	30%				\$ 118,590.00
		60 Subtotal				\$ 513,890.00
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A		0	LS	\$ -	\$ -
		Subtotal				\$ -
	Miscellaneous:	30%				\$ -
		70 Subtotal				\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering		5%	LS	\$ 39,986,796.95	\$ 1,999,300.00
80.2	Final Design		8%	LS	\$ 39,986,796.95	\$ 3,198,900.00
80.3	Construction Administration and Management		9%	LS	\$ 39,986,796.95	\$ 3,598,800.00
80.4	Insurance		2%	LS	\$ 39,986,796.95	\$ 799,700.00
80.5	Surveys, Testing, Investigation, Inspection		3%	LS	\$ 39,986,796.95	\$ 1,199,600.00
		80 Subtotal				\$ 10,796,300.00
		Subtotal (10-80)				\$ 51,296,986.95
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated		15%	LS	\$ 51,296,986.95	\$ 7,694,500.00
		90 Subtotal				\$ 7,694,500.00
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges		0	LS	\$ -	\$ -
		100 Subtotal				\$ -
	Total Project Costs (10-100)					\$ 58,991,486.95

**Engineer's Opinion of Probable Cost**

Name: US DOT#430178K, Bypass

TxDOT\_Bryan\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021					
2. Upgrade Traffic Signal	3. Construct new traffic signal					
4. Reconfigure and Restripe Intersection						
5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.						

Engineer's Opinion of Probable Cost

Name: US DOT#432273M, US79

TxDOT\_Bryan\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>					
10.1	Grading	0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements	0	LS	\$ 1.00	\$ -	
10.3	12" Subballast	0	CY	\$ 65.00	\$ -	
10.4	New Track	0	TF	\$ 215.00	\$ -	
10.5	Shift Track	0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track	0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout	0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout	0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing	0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	0	TF	\$ 16,000.00	\$ -	
10.11	Shoofly Railroad Bridge	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal	0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal	0	EA	\$ 8,000.00	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	10 Subtotal					\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>					
20.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Stations, Stops, Terminals 30%					\$ -
	20 Subtotal					\$ -
<b>30.0</b>	<b>Support Facilities</b>					
30.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	30 Subtotal					\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>					
40.1	Mobilization	1	LS	\$ 4,122,797.03	\$ 4,122,797.03	
40.2	Demolition, Clearing	1	LS	\$ 145,290.00	\$ 145,290.00	
40.3	Site Utilities, Utility Relocation Unspecified	1	LS	\$ 3,518,560.70	\$ 3,518,560.70	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF	1	LS	\$ 40,430.00	\$ 40,430.00	
40.5	Embankment	41,771	CY	\$ 15.94	\$ 665,829.74	
40.6	Excavation	0	CY	\$ 8.43	\$ -	
40.7	Drainage	1	LS	\$ 1,935,208.38	\$ 1,935,208.38	
40.8	Concrete Paving					
	US 79	6404	SY	\$ 54.58	\$ 349,530.32	
	Franklin St	2625	SY	\$ 54.58	\$ 143,272.50	
	Access Roads	5105	SY	\$ 11.52	\$ 58,809.60	
	Driveways	70	SY	\$ 67.16	\$ 4,701.20	
	Bridge approach slabs	130	CY	\$ 476.10	\$ 61,893.00	
	Curb & Gutter	5,633	LF	\$ 11.52	\$ 64,892.16	
	Mono Curb	0	LF	\$ 5.64	\$ -	
	Sidewalk	589	SY	\$ 48.54	\$ 28,590.06	
	Riprap (bridge abutments)	238	CY	\$ 431.31	\$ 102,651.78	
	Curb Ramps	3	EA	\$ 1,736.66	\$ 5,209.98	
40.9	Asphalt Paving					
	US 79	12,314	SY	\$ 22.65	\$ 278,912.10	
	Franklin St	2,540	SY	\$ 22.65	\$ 57,531.00	
41.0	Pavement Removal					
	US 79	19,047	SY	\$ 1.61	\$ 30,665.67	
	Franklin St	3,701	SY	\$ 8.43	\$ 31,199.43	
	Sidewalk & Ramp	0	SY	\$ 17.29	\$ -	
	Riprap	0	SY	\$ 9.37	\$ -	

Engineer's Opinion of Probable Cost							
Name: US DOT#432273M, US79						TxDOT_Bryan_District	
Prepared by: LBB, HDR							
Date: July 23, 2021							
Item				Unit	Total		
	Median	0	SY	\$ 13.15	\$ -		
	Curb & Gutter	0	LF	\$ 4.63	\$ -		
	Mono Curb	0	LF	\$ 4.55	\$ -		
41.1	Signing/Marking						
	US 79	1	LS	\$ 35,194.65	\$ 35,194.65		
41.2	Traffic Control						
	US 79	1	LS	\$ 200,000.00	\$ 200,000.00		
	Franklin St	1	LS	\$ 200,000.00	\$ 200,000.00		
41.3	Intersection Upgrade						
	W 4th St @ US 79	1	EA	\$ 100,000.00	\$ 100,000.00		
	Franklin St @ Connection St	1	EA	\$ 100,000.00	\$ 100,000.00		
41.4	Roadway Bridges						
	US 79 (Steel Span)	17,843	SF	\$ 350.00	\$ 6,245,050.00		
	US 79	37,050	SF	\$ 127.26	\$ 4,714,983.00		
41.5	Franklin St	22,496	SF	\$ 127.26	\$ 2,862,840.96		
	Roadway Retaining Walls/Crash Walls			\$ -			
	US 79	37,594	SF	\$ 476.10	\$ 17,898,503.40		
	Franklin St	15,132	SF	\$ 50.20	\$ 759,626.40		
	Subtotal without mob						\$ 40,639,376.03
	Miscellaneous: 30%						\$ 12,191,812.81
	40 Subtotal						\$ 56,953,985.87
<b>50.0</b>	<b>Systems</b>						
50.1	Railroad Control Point						
	Removal at MP 89.30 Location	1	LS	\$ 100,000.00	\$ 100,000.00		
	Removal at MP 89.25 Location	1	LS	\$ 100,000.00	\$ 100,000.00		
	Removal at MP 88.41 Location	1	LS	\$ 100,000.00	\$ 100,000.00		
50.2	Grade Crossing Warning Device Upgrade						
	Removal at DOT#432273M	1	EA	\$ 20,000.00	\$ 20,000.00		
	Removal at DOT#763408E	1	EA	\$ 20,000.00	\$ 20,000.00		
	Removal at DOT#432271Y	1	EA	\$ 20,000.00	\$ 20,000.00		
50.3	Traffic Signal						
	US 79 @ W 5th St Removal	1	LS	\$ 10,000.00	\$ 10,000.00		
50.4	Lighting						
	US 79	1	LS	\$ 148,160.25	\$ 148,160.25		
	Franklin St	1	LS	\$ 70,434.00	\$ 70,434.00		
	Subtotal						\$ 588,594.25
	Miscellaneous: 30%						\$ 176,578.28
	50 Subtotal						\$ 765,172.53
	Construction subtotal without mob or misc						\$ 41,227,970.28
5.0	Construction Subtotal (10-50)						\$ 57,719,158.40
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>						
60.1	Bypass (Minimal to No Damages)	0	LS	\$ -	\$ -		
	Low Impact (Minimal to No Damages)	1	LS	\$ 427,007.20	\$ 427,007.20		
	Medium Impact (Moderate Damages)	0	LS	\$ -	\$ -		
	High Impact (Significant Damages)	1	LS	\$ 1,385,694.00	\$ 1,385,694.00		
	Subtotal						\$ 1,812,701.20
	Miscellaneous: 30%						\$ 543,810.36
	60 Subtotal						\$ 2,356,511.56
<b>70.0</b>	<b>Vehicles</b>						
70.1	N/A	0	LS	\$ -	\$ -		
	Subtotal						\$ -
	Miscellaneous: 30%						\$ -
	70 Subtotal						\$ -
<b>80.0</b>	<b>Professional Services</b>						
80.1	Preliminary Engineering	5%	LS	\$ 57,719,158.40	\$ 2,886,000.00		

**Engineer's Opinion of Probable Cost**

Name: US DOT#432273M, US79

TxDOT\_Bryan\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total		
80.2	Final Design	8%	LS	\$ 57,719,158.40	\$ 4,617,500.00		
80.3	Construction Administration and Management	9%	LS	\$ 57,719,158.40	\$ 5,194,700.00		
80.4	Insurance	2%	LS	\$ 57,719,158.40	\$ 1,154,400.00		
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 57,719,158.40	\$ 1,731,600.00		
	80 Subtotal					\$ 15,584,200.00	
	Subtotal (10-80)					\$ 75,659,869.96	
<b>90.0</b>	<b>Unallocated Contingency</b>						
90.1	Unallocated	15%	LS	\$ 75,659,869.96	\$ 11,349,000.00		
	90 Subtotal					\$ 11,349,000.00	
<b>100.0</b>	<b>Finance Charges</b>						
100.1	Finance Charges	0	LS	\$ -	\$ -		
	100 Subtotal					\$ -	
	<b>Total Project Costs (10-100)</b>					<b>\$ 87,008,869.96</b>	
	1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021					
	2. Upgrade Traffic Signal	3. Construct new traffic signal					
	4. Reconfigure and Restripe Intersection						
	5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.						

**Engineer's Opinion of Probable Cost**

Name: US DOT#435914C, SH185

TxDOT Yoakum District

Prepared by: LBB, HDR

Date: July 23, 2021

Item No.	Item Description		Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>						
10.1	Grading		0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements		0	LS	\$ 1.00	\$ -	
10.3	12" Subballast		0	CY	\$ 65.00	\$ -	
10.4	New Track		0	TF	\$ 215.00	\$ -	
10.5	Shift Track		0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track		0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout		0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout		0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing		0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	Location/Description	0	TF	\$ 16,000.00	\$ -	
10.11	Shoofly Railroad Bridge	Location/Description	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	Location/Description	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal		0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal		0	EA	\$ 8,000.00	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	10 Subtotal						\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>						
20.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Stations, Stops, Terminals	30%					\$ -
	20 Subtotal						\$ -
<b>30.0</b>	<b>Support Facilities</b>						
30.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	30 Subtotal						\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>						
40.1	Mobilization	10% subtotal 10-50 wout mob/misc	1	LS	\$ 1,362,575.09	\$ 1,362,575.09	
40.2	Demolition, Clearing \$3000/Sta		1	LS	\$ 185,640.00	\$ 185,640.00	
40.3	Site Utilities, Utility Relocation Unspecified		1	LS	\$ 1,141,415.06	\$ 1,141,415.06	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF		1	LS	\$ 56,880.00	\$ 56,880.00	
40.5	Embankment		32,422	CY	\$ 15.94	\$ 516,806.68	
40.6	Excavation		0	CY	\$ 8.43	\$ -	
40.7	Drainage 5% subtotal 40 wout mob/drn		1	LS	\$ 627,778.28	\$ 627,778.28	
40.8	Concrete Paving						
		SH 185	7513	SY	\$ 54.58	\$ 410,059.54	
		Driveways	1518	SY	\$ 54.58	\$ 82,852.44	
		Bridge approach slabs	89	CY	\$ 476.10	\$ 42,372.90	
		Curb & Gutter	6,269	LF	\$ 11.52	\$ 72,218.88	
		Mono Curb	0	LF	\$ 5.64	\$ -	
		Sidewalk	6427	SY	\$ 48.54	\$ 311,966.58	
		Riprap (bridge abutments)	141	CY	\$ 431.31	\$ 60,814.71	
		Curb Ramps	4	EA	\$ 1,736.66	\$ 6,946.64	
		Pedestrian Barrier	2430	LF	\$ 83.00	\$ 201,690.00	
40.9	Asphalt Paving						
		SH 185	7,513	SY	\$ 22.65	\$ 170,169.45	
		Access Rd	5,632	SY	\$ 22.65	\$ 127,564.80	
41.0	Pavement Removal						
		SH 185	35,189	SY	\$ 1.61	\$ 56,654.29	
		Sidewalk & Ramp	0	SY	\$ 17.29	\$ -	
		Riprap	0	SY	\$ 9.37	\$ -	
		Median	0	SY	\$ 13.15	\$ -	
		Curb & Gutter	0	LF	\$ 4.63	\$ -	
		Mono Curb	0	LF	\$ 4.55	\$ -	

**Engineer's Opinion of Probable Cost**

Name: US DOT#435914C, SH185

TxDOT Yoakum District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
41.1	Signing/Marking					
		SH 185	1	LS	\$ 58,748.81	\$ 58,748.81
41.2	Traffic Control					
		SH 185	1	LS	\$ 200,000.00	\$ 200,000.00
41.3	Intersection Upgrade					
		Location/Description	0	EA	\$ -	\$ -
41.4	Roadway Bridges					
		Bypass (Steel Span)	13,780	SF	\$ 175.00	\$ 2,411,500.00
		SH 185	50,615	SF	\$ 127.26	\$ 6,441,264.90
41.5	Roadway Retaining Walls/Crash Walls					
		SH 185	0	SF	\$ 50.20	\$ -
		Subtotal without mob				\$ 13,183,343.96
	Miscellaneous:	30%				\$ 3,955,003.19
		40 Subtotal				\$ 18,500,922.24
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
		Removal at MP 219.35 Location	1	LS	\$ 100,000.00	\$ 100,000.00
50.2	Grade Crossing Warning Device Upgrade					
		Removal at DOT#435914C	1	EA	\$ 20,000.00	\$ 20,000.00
50.3	Traffic Signal					
		SH 185 @ 2nd St W	1	LS	\$ 200,000.00	\$ 200,000.00
50.4	Lighting					
		SH 185	1	LS	\$ 122,406.90	\$ 122,406.90
		Subtotal				\$ 442,406.90
	Miscellaneous:	30%				\$ 132,722.07
		50 Subtotal				\$ 575,128.97
		Construction subtotal without mob or misc				\$ 13,625,750.86
		Construction Subtotal (10-50)				\$ 19,076,051.21
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimal to No Damages)		0	LS	\$ -	\$ -
	Low Impact (Minimal to No Damages)		1	LS	\$ 585,907.20	\$ 585,907.20
	Medium Impact (Moderate Damages)		0	LS	\$ -	\$ -
	High Impact (Significant Damages)		1	LS	\$ 2,262,018.00	\$ 2,262,018.00
		Subtotal				\$ 2,847,925.20
	Miscellaneous:	30%				\$ 854,377.56
		60 Subtotal				\$ 3,702,302.76
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A		0	LS	\$ -	\$ -
		Subtotal				\$ -
	Miscellaneous:	30%				\$ -
		70 Subtotal				\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering		5%	LS	\$ 19,076,051.21	\$ 953,800.00
80.2	Final Design		8%	LS	\$ 19,076,051.21	\$ 1,526,100.00
80.3	Construction Administration and Management		9%	LS	\$ 19,076,051.21	\$ 1,716,800.00
80.4	Insurance		2%	LS	\$ 19,076,051.21	\$ 381,500.00
80.5	Surveys, Testing, Investigation, Inspection		3%	LS	\$ 19,076,051.21	\$ 572,300.00
		80 Subtotal				\$ 5,150,500.00
		Subtotal (10-80)				\$ 27,928,853.97
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated		1	LS	15%	\$ 4,189,328.10
		90 Subtotal				\$ 4,189,328.10
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges		0	LS	\$ -	\$ -
		100 Subtotal				\$ -
	Total Project Costs (10-100)					\$ 32,118,182.07
	1.Remove existing Traffic Signal					Unit cost based on TxDOT average low-bid unit prices for May 2021

**Engineer's Opinion of Probable Cost**

Name: US DOT#435914C, SH185

TxDOT Yoakum District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
2. Upgrade Traffic Signal	3. Construct new traffic signal					
4. Reconfigure and Restripe Intersection						
5. Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.						

**Engineer's Opinion of Probable Cost**

Name: US DOT#672080A, FM902

TxDOT\_Paris\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item No.	Item Description		Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>						
10.1	Grading		0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements		0	LS	\$ 1.00	\$ -	
10.3	12" Subballast		0	CY	\$ 65.00	\$ -	
10.4	New Track		0	TF	\$ 215.00	\$ -	
10.5	Shift Track		0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track		0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout		0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout		0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing		0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	Location/Description	0	TF	\$ 16,000.00	\$ -	
10.11	Shoofly Railroad Bridge	Location/Description	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	Location/Description	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal		0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal		0	EA	\$ 8,000.00	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	10 Subtotal						\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>						
20.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Stations, Stops, Terminals	30%					\$ -
	20 Subtotal						\$ -
<b>30.0</b>	<b>Support Facilities</b>						
30.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	30 Subtotal						\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>						
40.1	Mobilization	10% subtotal 10-50 wout mob/misc	1	LS	\$ 528,526.69	\$ 528,526.69	
40.2	Demolition, Clearing	\$3000/Sta	1	LS	\$ 81,600.00	\$ 81,600.00	
40.3	Site Utilities, Utility Relocation Unspecified		1	LS	\$ 434,223.34	\$ 434,223.34	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF		1	LS	\$ 27,200.00	\$ 27,200.00	
40.5	Embankment		31,311	CY	\$ 15.94	\$ 499,097.34	
40.6	Excavation		0	CY	\$ 8.43	\$ -	
40.7	Drainage		5% subtotal 40 wout mob/drn	1	LS	\$ 238,822.84	\$ 238,822.84
40.8	Concrete Paving						
		FM 902	1193	SY	\$ 54.58	\$ 65,113.94	
		Driveways	134	SY	\$ 54.58	\$ 7,313.72	
		Bridge approach slabs	79	CY	\$ 476.10	\$ 37,611.90	
		Curb & Gutter	5,440	LF	\$ 11.52	\$ 62,668.80	
		Mono Curb	0	LF	\$ 5.64	\$ -	
		Sidewalk	0	SY	\$ 48.54	\$ -	
		Riprap (bridge abutments)	132	CY	\$ 431.31	\$ 56,932.92	
		Curb Ramps	0	EA	\$ 1,736.66	\$ -	
40.9	Asphalt Paving						
		FM 902	8,984	SY	\$ 22.65	\$ 203,487.60	
		Access Rd	1,114	SY	\$ 22.65	\$ 25,232.10	
		Connector Roads	16,502	SY	\$ -	\$ -	
41.0	Pavement Removal						
		FM 902	15,867	SY	\$ 1.61	\$ 25,545.87	
		Center St	317	SY	\$ 5.26	\$ 1,667.42	
		Sidewalk & Ramp	0	SY	\$ 17.29	\$ -	
		Riprap	0	SY	\$ 9.37	\$ -	
		Median	0	SY	\$ 13.15	\$ -	

Engineer's Opinion of Probable Cost						
Name: US DOT#672080A, FM902					TxDOT_Paris_District	
Prepared by: LBB, HDR						
Date: July 23, 2021						
Item				Unit	Total	
	Curb & Gutter	0	LF	\$ 4.63	\$ -	
	Mono Curb	0	LF	\$ 4.55	\$ -	
41.1	Signing/Marking					
	FM 902	1	LS	\$ 49,837.86	\$ 49,837.86	
41.2	Traffic Control					
	FM 902	1	LS	\$ 200,000.00	\$ 200,000.00	
	___ Rd	0	LS	\$ -	\$ -	
41.3	Intersection Upgrade					
	Location/Description	0	EA	\$ 100,000.00	\$ -	
41.4	Roadway Bridges					
	FM 902	10,226	SF	\$ 127.26	\$ 1,301,360.76	
41.5	Roadway Retaining Walls/Crash Walls					
	FM 902	33,816	SF	\$ 50.20	\$ 1,697,563.20	
	Subtotal without mob					\$ 5,015,279.61
	Miscellaneous: 30%					\$ 1,504,583.88
	40 Subtotal					\$ 7,048,390.18
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
	MP 657.67 Location	1	LS	\$ 100,000.00	\$ 100,000.00	
	Various Grade Crossings	0	LS	\$ -	\$ -	
50.2	Grade Crossing Warning Device Upgrade					
	Removal at DOT#672080A	1	EA	\$ 20,000.00	\$ 20,000.00	
50.3	Traffic Signal					
	Location/Description	0	LS	\$ -	\$ -	
50.4	Lighting					
	FM 902	1	LS	\$ 149,987.25	\$ 149,987.25	
	Subtotal					\$ 269,987.25
	Miscellaneous: 30%					\$ 80,996.18
	50 Subtotal					\$ 350,983.43
	Construction subtotal without mob or misc					\$ 5,285,266.86
	Construction Subtotal (10-50)					\$ 7,399,373.61
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimal to No Damages)	1	LS	\$ 351,000.00	\$ 351,000.00	
	Low Impact (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Medium Impact (Moderate Damages)	0	LS	\$ -	\$ -	
	High Impact (Significant Damages)	0	LS	\$ -	\$ -	
	Subtotal					\$ 351,000.00
	Miscellaneous: 30%					\$ 105,300.00
	60 Subtotal					\$ 456,300.00
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	70 Subtotal					\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering	5%	LS	\$ 7,399,373.61	\$ 370,000.00	
80.2	Final Design	8%	LS	\$ 7,399,373.61	\$ 591,900.00	
80.3	Construction Administration and Management	9%	LS	\$ 7,399,373.61	\$ 665,900.00	
80.4	Insurance	2%	LS	\$ 7,399,373.61	\$ 148,000.00	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 7,399,373.61	\$ 222,000.00	
	80 Subtotal					\$ 1,997,800.00
	Subtotal (10-80)					\$ 9,853,473.61
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated	15%	LS	\$ 9,853,473.61	\$ 1,478,000.00	
	90 Subtotal					\$ 1,478,000.00
<b>100.0</b>	<b>Finance Charges</b>					

**Engineer's Opinion of Probable Cost**

Name: US DOT#672080A, FM902

TxDOT\_Paris\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -
Total Project Costs (10-100)						\$ 11,331,473.61
1.Remove existing Traffic Signal		Unit cost based on TxDOT average low-bid unit prices for May 2021				
2. Upgrade Traffic Signal	3. Construct new traffic signal					
4. Reconfigure and Restripe Intersection						
5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.						

**Engineer's Opinion of Probable Cost**

Name: US DOT#741165T, N. PIEDRAS ST

TxDOT Lubbock District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>					
10.1	Grading	0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements	0	LS	\$ 1.00	\$ -	
10.3	12" Subballast	0	CY	\$ 65.00	\$ -	
10.4	New Track	0	TF	\$ 215.00	\$ -	
10.5	Shift Track	0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track	0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout	0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout	0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing	0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	28	TF	\$ 16,000.00	\$ 448,000.00	
10.11	Shoofly Railroad Bridge	2000	TF	\$ 10,000.00	\$ 20,000,000.00	
10.12	Trackside Retaining Walls/Crash Walls	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal	0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal	0	EA	\$ 8,000.00	\$ -	
	Subtotal					\$ 20,448,000.00
	Miscellaneous: 30%					\$ 6,134,400.00
	10 Subtotal					\$ 26,582,400.00
<b>20.0</b>	<b>Stations, Stops, Terminals</b>					
20.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Stations, Stops, Terminals 30%					\$ -
	20 Subtotal					\$ -
<b>30.0</b>	<b>Support Facilities</b>					
30.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	30 Subtotal					\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>					
40.1	Mobilization	1	LS	\$ 2,568,507.30	\$ 2,568,507.30	
40.2	Demolition, Clearing	1	LS	\$ 66,600.00	\$ 66,600.00	
40.3	Site Utilities, Utility Relocation Unspecified	1	LS	\$ 395,288.44	\$ 395,288.44	
40.4	Environmental Mitigation (Erosion control, seeding, other)	1	LS	\$ 21,900.00	\$ 21,900.00	
40.5	Embankment	0	CY	\$ 15.94	\$ -	
40.6	Excavation	28920	CY	\$ 8.43	\$ 243,795.60	
40.7	Drainage	1	LS	\$ 217,408.64	\$ 217,408.64	
40.8	Concrete Paving					
	___ Rd	0	SY	\$ 54.58	\$ -	
	___ Rd	0	SY	\$ 54.58	\$ -	
	Bridge approach slabs	83	CY	\$ 476.10	\$ 39,516.30	
	Curb & Gutter	0	LF	\$ 11.52	\$ -	
	Mono Curb	0	LF	\$ 5.64	\$ -	
	Sidewalk	1297	SY	\$ 48.54	\$ 62,956.38	
	Riprap	0	CY	\$ 431.31	\$ -	
	Curb Ramps	58	EA	\$ 1,736.66	\$ 100,726.28	
40.9	Asphalt Paving					
	N Piedras St	8,186	SY	\$ 22.65	\$ 185,412.90	
	Access Rd	6,830	SY	\$ 22.65	\$ 154,699.50	
41.0	Pavement Removal					
	N Piedras St	13,669	SY	\$ 1.61	\$ 22,007.09	
	___ Rd	0	SY	\$ 5.26	\$ -	
	Sidewalk & Ramp	4,003	SY	\$ 17.29	\$ 69,211.87	
	Riprap	143	SY	\$ 9.37	\$ 1,339.91	

**Engineer's Opinion of Probable Cost**

Name: US DOT#741165T, N. PIEDRAS ST

TxDOT Lubbock District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item				Unit	Total
	Median	163	SY	\$ 13.15	\$ 2,143.45
	Curb & Gutter	3,903	LF	\$ 4.63	\$ 18,070.89
	Mono Curb	0	LF	\$ 4.55	\$ -
41.1	Signing/Marking				
	N Piedras St	1	LS	\$61,001.62	\$ 61,001.62
	___ Rd	0	LS	\$ -	\$ -
41.2	Traffic Control				
	N Piedras St	1	LS	\$ 200,000.00	\$ 200,000.00
	___ Rd	0	LS	\$ -	\$ -
41.3	Intersection Upgrade				
	___ @ ___	0	EA	\$ -	\$ -
	___ @ ___	0	EA	\$ -	\$ -
41.4	Roadway Bridges				
	N Piedras St @ Grant	1,487	SF	\$ 127.26	\$ 189,235.62
41.5	Roadway Retaining Walls/Crash Walls				
	N Piedras St	50,085	SF	\$ 50.20	\$ 2,514,267.00
	___ Rd	0	SF	\$ 50.20	\$ -
	Subtotal without mob				\$ 4,565,581.49
	Miscellaneous: 30%				\$ 1,369,674.45
	40 Subtotal				\$ 8,503,763.24
<b>50.0</b>	<b>Systems</b>				
50.1	Railroad Control Point				
	MP 967.35 Location	1	LS	\$ 100,000.00	\$ 100,000.00
	Various Grade Crossings	0	LS	\$ -	\$ -
50.2	Grade Crossing Warning Device Upgrade				
	Removal at DOT#741165T	1	LS	\$ 20,000.00	\$ 20,000.00
50.3	Traffic Signal				
	<sup>1</sup> N Piedras St @ Pershing	1	LS	\$ 10,000.00	\$ 10,000.00
	<sup>1</sup> N Piedras St @ Elm	1	LS	\$ 10,000.00	\$ 10,000.00
	<sup>2</sup> N Piedras St @ Grant	1	LS	\$ 200,000.00	\$ 200,000.00
	<sup>2</sup> N Piedras St @ Montana	1	LS	\$ 200,000.00	\$ 200,000.00
50.4	Lighting				
	N Piedras St	1	LS	\$ 131,491.50	\$ 131,491.50
	Subtotal				\$ 671,491.50
	Miscellaneous: 30%				\$ 201,447.45
	50 Subtotal				\$ 872,938.95
	Construction subtotal without mob or misc				\$ 25,685,072.99
	Construction Subtotal (10-50)				\$ 35,959,102.19
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>				
60.1	Bypass (Minimal to No Damages)	0	LS	\$ -	\$ -
	Low Impact (Minimal to No Damages)	1	LS	\$ 100,871.20	\$ 100,871.20
	Medium Impact (Moderate Damages)	0	LS	\$ -	\$ -
	High Impact (Significant Damages)	1	LS	\$ 433,728.00	\$ 433,728.00
	Subtotal				\$ 534,599.20
	Miscellaneous: 30%				\$ 160,379.76
	60 Subtotal				\$ 694,978.96
<b>70.0</b>	<b>Vehicles</b>				
70.1	N/A	0	LS	\$ -	\$ -
	Subtotal				\$ -
	Miscellaneous: 30%				\$ -
	70 Subtotal				\$ -
<b>80.0</b>	<b>Professional Services</b>				
80.1	Preliminary Engineering	5%	LS	\$ 35,959,102.19	\$ 1,798,000.00
80.2	Final Design	8%	LS	\$ 35,959,102.19	\$ 2,876,700.00

**Engineer's Opinion of Probable Cost**

Name: US DOT#741165T, N. PIEDRAS ST

TxDOT Lubbock District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item				Unit	Total		
80.3	Construction Administration and Management	9%	LS	\$ 35,959,102.19	\$ 3,236,300.00		
80.4	Insurance	2%	LS	\$ 35,959,102.19	\$ 719,200.00		
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 35,959,102.19	\$ 1,078,800.00		
	80 Subtotal					\$ 9,709,000.00	
	Subtotal (10-80)					\$ 46,363,081.15	
<b>90.0</b>	<b>Unallocated Contingency</b>						
90.1	Unallocated	15%	LS	\$ 46,363,081.15	\$ 6,954,500.00		
	90 Subtotal					\$ 6,954,500.00	
<b>100.0</b>	<b>Finance Charges</b>						
100.1	Finance Charges	0	LS	\$ -	\$ -		
	100 Subtotal					\$ -	
	Total Project Costs (10-100)					\$ 53,317,581.15	
	1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021					
	2. Upgrade Traffic Signal	3. Construct new traffic signal					
	4. Reconfigure and Restripe Intersection						
	5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.						

**Engineer's Opinion of Probable Cost**

Name: US DOT#741204G N COPIA ST

TxDOT El Paso District

Prepared by: MV, Civil Corp

Date: July 20, 2021

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>					
10.1	Grading	0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements	0	LS	\$ 1.00	\$ -	
10.3	12" Subballast	0	CY	\$ 65.00	\$ -	
10.4	New Track	0	TF	\$ 215.00	\$ -	
10.5	Shift Track	0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track	0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout	0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout	0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing	0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	0	TF	\$ 16,000.00	\$ -	
10.11	Shoofly Railroad Bridge	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal	0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal	0	EA	\$ 8,000.00	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	10 Subtotal					\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>					
20.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Stations, Stops, Terminals 30%					\$ -
	20 Subtotal					\$ -
<b>30.0</b>	<b>Support Facilities</b>					
30.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	30 Subtotal					\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>					
40.1	Mobilization	1	LS	\$ 446,874.79	\$ 446,874.79	
40.2	Demolition, Clearing	1	LS	\$ 59,460.00	\$ 59,460.00	
40.3	Site Utilities, Utility Relocation Unspecified	1	LS	\$ 332,674.50	\$ 332,674.50	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF	1	LS	\$ 14,820.00	\$ 14,820.00	
40.5	Embankment	7,662	CY	\$ 15.94	\$ 122,132.28	
40.6	Excavation	0	CY	\$ 8.43	\$ -	
40.7	Drainage	1	LS	\$ 182,970.98	\$ 182,970.98	
40.8	Concrete Paving					
	N COPIA ST	0	SY	\$ 54.58	\$ -	
	___ Rd	0	SY	\$ 54.58	\$ -	
	Bridge approach slabs	47	CY	\$ 476.10	\$ 22,376.70	
	Curb & Gutter	7,408	LF	\$ 11.52	\$ 85,340.16	
	Mono Curb	0	LF	\$ 5.64	\$ -	
	Sidewalk	890	SY	\$ 48.54	\$ 43,200.60	
	Riprap	29	CY	\$ 431.31	\$ 12,507.99	
	Curb Ramps	44	EA	\$ 1,736.66	\$ 76,413.04	
40.9	Asphalt Paving					
	N. COPIA ST	2,932	SY	\$ 22.65	\$ 66,409.80	
	Access Rd	8,634	SY	\$ 22.65	\$ 195,560.10	
41.0	Pavement Removal					
	N. COPIA ST	9,045	SY	\$ 1.61	\$ 14,562.45	
	___ Rd	0	SY	\$ 5.26	\$ -	
	Sidewalk & Ramp	1,439	SY	\$ 17.29	\$ 24,880.31	
	Riprap	0	SY	\$ 9.37	\$ -	
	Median	0	SY	\$ 13.15	\$ -	
	Curb & Gutter	2,408	LF	\$ 4.63	\$ 11,149.04	

**Engineer's Opinion of Probable Cost**

Name: US DOT#741204G N COPIA ST

TxDOT El Paso District

Prepared by: MV, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
	Mono Curb	0	LF	\$ 4.55	\$ -	
41.1	Signing/Marking					
	N COPIA ST.	1	LS	\$ 61,530.93	\$ 61,530.93	
		0	LS	\$ -	\$ -	
41.2	Traffic Control					
	0.377 Miles					
	N. COPIA ST	1	LS	\$ 200,000.00	\$ 200,000.00	
	___ Rd	0	LS	\$ -	\$ -	
41.3	Intersection Upgrade					
	<sup>4</sup> GATEWAY BLVD	1	EA	\$ 5,000.00	\$ 5,000.00	
	<sup>4</sup> ALAMEDA AVE	1	EA	\$ 5,000.00	\$ 5,000.00	
41.4	Roadway Bridges					
	N. COPIA ST	10,835	SF	\$ 127.00	\$ 1,376,045.00	
41.5	Roadway Retaining Walls/Crash Walls					
	N. COPIA ST	18,533	SF	\$ 50.20	\$ 930,356.60	
	___ Rd	0	SF	\$ 50.20	\$ -	
	Subtotal without mob					\$ 3,842,390.48
	Miscellaneous: 30%					\$ 1,152,717.14
	40 Subtotal					\$ 5,441,982.41
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
	MP 826.29 Location	1	LS	\$ 100,000.00	\$ 100,000.00	
	Various Grade Crossings	0	LS	\$ -	\$ -	
50.2	Grade Crossing Warning Device Upgrade					
	Removal at DOT#741204G	1	EA	\$ 20,000.00	\$ 20,000.00	
50.3	Traffic Signal					
	<sup>1</sup> N COPIA @ DURAZNO AVE	1	LS	\$ 10,000.00	\$ 10,000.00	
	<sup>2</sup> N COPIA @ GATEWAY BLVD	1	LS	\$ 200,000.00	\$ 200,000.00	
	<sup>2</sup> N COPIA @ ALAMEDA AVE	1	LS	\$ 200,000.00	\$ 200,000.00	
50.4	Lighting					
	N COPIA ST.	1	LS	\$ 96,357.45	\$ 96,357.45	
	Subtotal					\$ 626,357.45
	Miscellaneous: 30%					\$ 187,907.24
	50 Subtotal					\$ 814,264.69
	Construction subtotal without mob or misc					\$ 4,468,747.93
	Construction Subtotal (10-50)					\$ 6,256,247.10
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimum to No damage)	0	LS	\$ -	\$ -	
60.1	Low Impact (Minimum to No damage)	0	LS	\$ -	\$ -	
	Medium Impact ( Moderate damages)	1	LS	\$ 116,750.00	\$ 116,750.00	
	High Impcat ( Significant Damages)	1	LS	\$ 21,011,350.00	\$ 21,011,350.00	
	Subtotal					\$ 21,128,100.00
	Miscellaneous: 30%					\$ 6,338,430.00
	60 Subtotal					\$ 27,466,530.00
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	70 Subtotal					\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering	5%	LS	\$ 6,256,247.10	\$ 312,800.00	
80.2	Final Design	8%	LS	\$ 6,256,247.10	\$ 500,500.00	
80.3	Construction Administration and Management	9%	LS	\$ 6,256,247.10	\$ 563,100.00	
80.4	Insurance	2%	LS	\$ 6,256,247.10	\$ 125,100.00	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 6,256,247.10	\$ 187,700.00	
	80 Subtotal					\$ 1,689,200.00
	Subtotal (10-80)					\$ 35,411,977.10
<b>90.0</b>	<b>Unallocated Contingency</b>					

**Engineer's Opinion of Probable Cost**

Name: US DOT#741204G N COPIA ST

TxDOT El Paso District

Prepared by: MV, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
90.1	Unallocated	15.0%	LS	\$ 35,411,977.10	\$ 5,311,800.00	
	90 Subtotal					\$ 5,311,800.00
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -
	<b>Total Project Costs (10-100)</b>					<b>\$ 40,723,777.10</b>
	1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021				
	2. Upgrade Traffic Signal	3. Construct new traffic signal				
	4. Reconfigure and Restripe Intersection					
	5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.					

**Engineer's Opinion of Probable Cost**

Name: US DOT#741231D N. ZARAGOZA RD.

TxDOT El Paso District

Prepared by: MV, Civil Corp

Date: July 20, 2021

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>					
10.1	Grading	0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements	0	LS	\$ 1.00	\$ -	
10.3	12" Subballast	0	CY	\$ 65.00	\$ -	
10.4	New Track	0	TF	\$ 215.00	\$ -	
10.5	Shift Track	0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track	0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout	0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout	0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing	0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	0	TF	\$ 16,000.00	\$ -	
10.11	Shoofly Railroad Bridge	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal	0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal	0	EA	\$ 8,000.00	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	10 Subtotal					\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>					
20.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Stations, Stops, Terminals 30%					\$ -
	20 Subtotal					\$ -
<b>30.0</b>	<b>Support Facilities</b>					
30.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	30 Subtotal					\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>					
40.1	Mobilization	1	LS	\$ 760,546.88	\$ 760,546.88	
40.2	Demolition, Clearing <sup>5</sup>	1	LS	\$ 74,820.00	\$ 74,820.00	
40.3	Site Utilities, Utility Relocation Unspecified	1	LS	\$ 637,424.66	\$ 637,424.66	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF	1	LS	\$ 19,940.00	\$ 19,940.00	
40.5	Embankment	20,636	CY	\$ 15.94	\$ 328,937.84	
40.6	Excavation	0	CY	\$ 8.43	\$ -	
40.7	Drainage	1	LS	\$ 350,583.56	\$ 350,583.56	
40.8	Concrete Paving					
	N ZARAGOZA RD	0	SY	\$ 54.58	\$ -	
	___ Rd	0	SY	\$ 54.58	\$ -	
	Bridge approach slabs	90	CY	\$ 476.10	\$ 42,849.00	
	Curb & Gutter	6,765	LF	\$ 11.52	\$ 77,932.80	
	Mono Curb	0	LF	\$ 5.64	\$ -	
	Sidewalk	989	SY	\$ 48.54	\$ 48,006.06	
	Riprap	19	CY	\$ 431.31	\$ 8,194.89	
	Curb Ramps	73	EA	\$ 1,736.66	\$ 126,776.18	
40.9	Asphalt Paving					
	N. ZARAGOZA	9,357	SY	\$ 22.65	\$ 211,936.05	
	Access Rd	7,608	SY	\$ 22.65	\$ 172,321.20	
41.0	Pavement Removal					
	<sup>5</sup> N. ZARAGOZA	11,399	SY	\$ 1.61	\$ 18,352.39	
	___ Rd	0	SY	\$ 5.26	\$ -	
	Sidewalk & Ramp	1,918	SY	\$ 17.29	\$ 33,162.22	
	Riprap	0	SY	\$ 9.37	\$ -	
	Median	0	SY	\$ 13.15	\$ -	

**Engineer's Opinion of Probable Cost**

Name: US DOT#741231D N. ZARAGOZA RD.

TxDOT El Paso District

Prepared by: MV, Civil Corp

Date: July 20, 2021

Item				Unit	Total
	Curb & Gutter	1,726	LF	\$ 4.63	\$ 7,991.38
	Mono Curb	0	LF	\$ 4.55	\$ -
41.1	Signing/Marking				
	N. ZARAGOZA	1	LS	\$74,753.39	\$ 74,753.39
		0	LS	\$ -	\$ -
41.2	Traffic Control				
	0.377 Miles	1	LS	\$ 200,000.00	\$ 200,000.00
	___ Rd	0	LS	\$ -	\$ -
41.3	Intersection Upgrade				
		0	EA	\$5,000.00	\$ -
		0	EA	\$5,000.00	\$ -
41.4	Roadway Bridges				
	N. ZARAGOZA	29,008	SF	\$ 127.00	\$ 3,684,016.00
41.5	Roadway Retaining Walls/Crash Walls				
	N. ZARAGOZA	24,786	SF	\$ 50.20	\$ 1,244,257.20
	___ Rd	0	SF	\$ 50.20	\$ -
	Subtotal without mob				\$ 7,362,254.82
	Miscellaneous: 30%				\$ 2,208,676.45
	40 Subtotal				\$ 10,331,478.15
<b>50.0</b>	<b>Systems</b>				
50.1	Railroad Control Point				
	MP 816.80 Location	1	LS	\$ 100,000.00	\$ 100,000.00
	Various Grade Crossings	0	LS	\$ -	\$ -
50.2	Grade Crossing Warning Device Upgrade				
	Removal at DOT#741231D	1	EA	\$ 20,000.00	\$ 20,000.00
50.3	Traffic Signal				
	1 N ZARAGOZA @ ROSEWAY DR	1	LS	\$ 10,000.00	\$ 10,000.00
	1 N ZRAGOZA @ MELLON DR.	1	LS	\$ 10,000.00	\$ 10,000.00
50.4	Lighting				
	N ZARAGOZA	1	LS	\$103,213.95	\$ 103,213.95
	Subtotal				\$ 243,213.95
	Miscellaneous: 30%				\$ 72,964.19
	50 Subtotal				\$ 316,178.14
	Construction subtotal without mob or misc				\$ 7,605,468.77
	Construction Subtotal (10-50)				\$ 10,647,656.29
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>				
60.1	Bypass (Minimum to No damage)	0	LS	\$ -	\$ -
	Low Impact (Minimum to No damage)	1	LS	\$ 421,784.00	\$ 421,784.00
	Medium Impact ( Moderate damages)	1	LS	\$ 184,900.00	\$ 184,900.00
	High Impcat ( Significant Damages)	1	LS	\$ 12,134,995.00	\$ 12,134,995.00
	Subtotal				\$ 12,741,679.00
	Miscellaneous: 30%				\$ 3,822,503.70
	60 Subtotal				\$ 16,564,182.70
<b>70.0</b>	<b>Vehicles</b>				
70.1	N/A	0	LS	\$ -	\$ -
	Subtotal				\$ -
	Miscellaneous: 30%				\$ -
	70 Subtotal				\$ -
<b>80.0</b>	<b>Professional Services</b>				
80.1	Preliminary Engineering <sup>5</sup>	6%	LS	\$ 10,647,656.29	\$ 638,900.00
80.2	Final Design	8%	LS	\$ 10,647,656.29	\$ 851,800.00
80.3	Construction Administration and Management	9%	LS	\$ 10,647,656.29	\$ 958,300.00
80.4	Insurance	2%	LS	\$ 10,647,656.29	\$ 213,000.00

**Engineer's Opinion of Probable Cost**

Name: US DOT#741231D N. ZARAGOZA RD.

TxDOT El Paso District

Prepared by: MV, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 10,647,656.29	\$ 319,400.00	
	80 Subtotal					\$ 2,981,400.00
	Subtotal (10-80)					\$ 30,193,238.99
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated	15.0%	LS	\$ 30,193,238.99	\$ 4,529,000.00	
	90 Subtotal					\$ 4,529,000.00
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -
	<b>Total Project Costs (10-100)</b>					<b>\$ 34,722,238.99</b>
	1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021				
	2. Upgrade Traffic Signal	3. Construct new traffic signal				
	4. Reconfigure and Restripe Intersection					
	5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.					

**Engineer's Opinion of Probable Cost**

Name: US DOT#764225P, N MOON ROAD

TxDOT El Paso District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item No.	Item Description		Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>						
10.1	Grading		0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements		0	LS	\$ 1.00	\$ -	
10.3	12" Subballast		0	CY	\$ 65.00	\$ -	
10.4	New Track		0	TF	\$ 215.00	\$ -	
10.5	Shift Track		0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track		0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout		0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout		0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing		0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	Location/Description	0	TF	\$ 16,000.00	\$ -	
10.11	Shoofly Railroad Bridge	Location/Description	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	Location/Description	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal		0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal		0	EA	\$ 8,000.00	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	10 Subtotal						\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>						
20.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Stations, Stops, Terminals	30%					\$ -
	20 Subtotal						\$ -
<b>30.0</b>	<b>Support Facilities</b>						
30.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	30 Subtotal						\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>						
40.1	Mobilization	10% subtotal 10-50 wout mob/misc	1	LS	\$ 1,001,033.15	\$ 1,001,033.15	
40.2	Demolition, Clearing	\$3000/Sta	1	LS	\$ 122,700.00	\$ 122,700.00	
40.3	Site Utilities, Utility Relocation Unspecified		1	LS	\$ 739,568.53	\$ 739,568.53	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF		1	LS	\$ 28,450.00	\$ 28,450.00	
40.5	Embankment		24,018	CY	\$ 15.94	\$ 382,846.92	
40.6	Excavation		0	CY	\$ 8.43	\$ -	
40.7	Drainage	5% subtotal 40 wout mob/drm	1	LS	\$ 406,762.69	\$ 406,762.69	
40.8	Concrete Paving						
		___ Rd	0	SY	\$ 54.58	\$ -	
		___ Rd	0	SY	\$ 54.58	\$ -	
		Bridge approach slabs	69	CY	\$ 476.10	\$ 32,850.90	
		Curb & Gutter	13,079	LF	\$ 11.52	\$ 150,670.08	
		Mono Curb	0	LF	\$ 5.64	\$ -	
		Sidewalk	6228	SY	\$ 48.54	\$ 302,307.12	
		Riprap	220	CY	\$ 431.31	\$ 94,888.20	
		Curb Ramps	70	EA	\$ 1,736.66	\$ 121,566.20	
40.9	Asphalt Paving						
		N Moon Rd	7,870	SY	\$ 22.65	\$ 178,255.50	
		Access Rd	9,554	SY	\$ 22.65	\$ 216,398.10	
		Old Hueco Tanks Rd	1,254	SY	\$ 22.65	\$ 28,403.10	
		Access Rd	951	SY	\$ 22.65	\$ 21,540.15	
41.0	Pavement Removal						
		N Moon Rd	7,661	SY	\$ 1.61	\$ 12,334.21	
		Old Hueco Tanks Rd	1,283	SY	\$ 5.26	\$ 6,748.58	
		Sidewalk & Ramp	1,054	SY	\$ 17.29	\$ 18,223.66	

**Engineer's Opinion of Probable Cost**

Name: US DOT#764225P, N MOON ROAD

TxDOT El Paso District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
	Riprap	0	SY	\$ 9.37	\$ -	
	Median	0	SY	\$ 13.15	\$ -	
	Curb & Gutter	0	LF	\$ 4.63	\$ -	
	Mono Curb	0	LF	\$ 4.55	\$ -	
41.1	Signing/Marking					
	N Moon Rd	1	LS	\$ 70,385.23	\$ 70,385.23	
	Old Hueco Tanks Rd	1	LS	\$ 19,450.28	\$ 19,450.28	
41.2	Traffic Control					
	N Moon Rd	1	LS	\$ 200,000.00	\$ 200,000.00	
	Old Hueco Tanks Rd	1	LS	\$ 50,000.00	\$ 50,000.00	
41.3	Intersection Upgrade					
	_____ @ _____	0	EA	\$ -	\$ -	
	_____ @ _____	0	EA	\$ -	\$ -	
41.4	Roadway Bridges					
	N Moon Rd	26,855	SF	\$ 127.26	\$ 3,417,567.30	
	Old Hueco Tanks Rd	0	SF	\$ 127.26	\$ -	
41.5	Roadway Retaining Walls/Crash Walls					
	N Moon Rd	33,938	SF	\$ 50.20	\$ 1,703,687.60	
	Old Hueco Tanks Rd	4,311	SF	\$ 50.20	\$ 216,412.20	
	Subtotal without mob					\$ 8,542,016.55
	Miscellaneous: 30%					\$ 2,562,604.97
	40 Subtotal					\$ 12,105,654.67
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
	MP 813.64 Location	1	LS	\$ 100,000.00	\$ 100,000.00	
	Various Grade Crossings	0	LS	\$ -	\$ -	
50.2	Grade Crossing Warning Device Upgrade					
	Removal at DOT#789822T	1	LS	\$ 20,000.00	\$ 20,000.00	
50.3	Traffic Signal					
	3 new signals ( locations to be determined)	3	LS	\$ 400,000.00	\$ 1,200,000.00	
50.4	Lighting					
	N Moon Rd	1	LS	\$ 129,834.95	\$ 129,834.95	
	Old Hueco Tanks Rd	1	LS	\$ 18,480.00	\$ 18,480.00	
	Subtotal					\$ 1,468,314.95
	Miscellaneous: 30%					\$ 440,494.49
	50 Subtotal					\$ 1,908,809.44
	Construction subtotal without mob or misc					\$ 10,010,331.50
	Construction Subtotal (10-50)					\$ 14,014,464.11
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Low Impact (Minimal to No Damages)	1	LS	\$ 900,529.60	\$ 900,529.60	
	Medium Impact (Moderate Damages)	1	LS	\$ 227,225.00	\$ 227,225.00	
	High Impact (Significant Damages)	1	LS	\$ 965,934.00	\$ 965,934.00	
	Chain link ROW fence	1	LS	\$ 19,792.50	\$ 19,792.50	
	Subtotal					\$ 2,113,481.10
	Miscellaneous: 30%					\$ 634,044.33
	60 Subtotal					\$ 2,747,525.43
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	70 Subtotal					\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering	5%	LS	\$ 14,014,464.11	\$ 700,700.00	
80.2	Final Design	8%	LS	\$ 14,014,464.11	\$ 1,121,200.00	
80.3	Construction Administration and Management	9%	LS	\$ 14,014,464.11	\$ 1,261,300.00	
80.4	Insurance	2%	LS	\$ 14,014,464.11	\$ 280,300.00	

**Engineer's Opinion of Probable Cost**

Name: US DOT#764225P, N MOON ROAD

TxDOT El Paso District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 14,014,464.11	\$ 420,400.00	
	80 Subtotal					\$ 3,783,900.00
	Subtotal (10-80)					\$ 20,545,889.54
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated	15%	LS	\$ 20,545,889.54	\$ 3,081,900.00	
	90 Subtotal					\$ 3,081,900.00
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -
	Total Project Costs (10-100)					\$ 23,627,789.54
	1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021				
	2. Upgrade Traffic Signal	3. Construct new traffic signal				
	4. Reconfigure and Restripe Intersection					
	5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.					

**Engineer's Opinion of Probable Cost**

Name: US DOT#789584C, FM989

TxDOT\_Atlanta\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item No.	Item Description		Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>						
10.1	Grading		37,671	CY	\$ 15.00	\$ 565,065.00	
10.2	Subgrade Improvements		0	LS	\$ 1.00	\$ -	
10.3	12" Subballast		11,841	CY	\$ 65.00	\$ 769,665.00	
10.4	New Track		6,566	TF	\$ 215.00	\$ 1,411,690.00	
10.5	Shift Track		0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track		0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout		2	EA	\$ 230,000.00	\$ 460,000.00	
10.8	Install Hand Throw Turnout		0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing		0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	Location/Description	250	TF	\$ 16,000.00	\$ 4,000,000.00	
10.11	Shoofly Railroad Bridge	Location/Description	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	Location/Description	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal		1,982	TF	\$ 50.00	\$ 99,100.00	
10.14	Existing Turnout Removal		1	EA	\$ 8,000.00	\$ 8,000.00	
	Subtotal						\$ 7,313,520.00
	Miscellaneous:	30%					\$ 2,194,056.00
	10 Subtotal						\$ 9,507,600.00
<b>20.0</b>	<b>Stations, Stops, Terminals</b>						
20.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Stations, Stops, Terminals	30%					\$ -
	20 Subtotal						\$ -
<b>30.0</b>	<b>Support Facilities</b>						
30.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	30 Subtotal						\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>						
40.1	Mobilization	10% subtotal 10-50 wout mob/misc	1	LS	\$ 872,590.53	\$ 872,590.53	
40.2	Demolition, Clearing	\$3000/Sta	1	LS	\$ -	\$ -	
40.3	Site Utilities, Utility Relocation Unspecified		1	LS	\$ 111,894.83	\$ 111,894.83	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF		1	LS	\$ -	\$ -	
40.5	Embankment		37,671	CY	\$ 15.94	\$ 600,475.74	
40.6	Excavation		37,671	CY	\$ 8.43	\$ 317,566.53	
40.7	Drainage 5% subtotal 40 wout mob/drn		1	LS	\$ 61,542.16	\$ 61,542.16	
40.8	Concrete Paving						
		FM 989	0	SY	\$ 54.58	\$ -	
		Driveways	0	SY	\$ 54.58	\$ -	
		Bridge approach slabs	0	CY	\$ 476.10	\$ -	
		Curb & Gutter	0	LF	\$ 11.52	\$ -	
		Mono Curb	0	LF	\$ 5.64	\$ -	
		Sidewalk	0	SY	\$ 48.54	\$ -	
		Riprap (bridge abutments)	0	CY	\$ 431.31	\$ -	
		Curb Ramps	0	EA	\$ 1,736.66	\$ -	
40.9	Asphalt Paving						
		FM 989	40	SY	\$ 22.65	\$ 906.00	
		One-Way Access Road	0	SY	\$ 22.65	\$ -	
41.0	Pavement Removal						
		FM 989	0	SY	\$ 1.61	\$ -	
		Sidewalk & Ramp	0	SY	\$ 17.29	\$ -	
		Riprap	0	SY	\$ 9.37	\$ -	
		Median	0	SY	\$ 13.15	\$ -	
		Curb & Gutter	0	LF	\$ 4.63	\$ -	
		Mono Curb	0	LF	\$ 4.55	\$ -	



**Engineer's Opinion of Probable Cost**

Name: US DOT#789584C, FM989

TxDOT\_Atlanta\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021					
2. Upgrade Traffic Signal	3. Construct new traffic signal					
4. Reconfigure and Restripe Intersection						
5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.						

Engineer's Opinion of Probable Cost

Name: US DOT#789599S, US79

TxDOT\_Atlanta\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>					
10.1	Grading	1,900	CY	\$ 15.00	\$ 28,500.00	
10.2	Subgrade Improvements	0	LS	\$ 1.00	\$ -	
10.3	12" Subballast	809	CY	\$ 65.00	\$ 52,585.00	
10.4	New Track	8,840	TF	\$ 215.00	\$ 1,900,600.00	
10.5	Shift Track	0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track	0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout	1	EA	\$ 230,000.00	\$ 230,000.00	
10.8	Install Hand Throw Turnout	0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing	0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	300	TF	\$ 10,600.00	\$ 3,180,000.00	
10.11	Shoofly Railroad Bridge	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal	1,014	TF	\$ 50.00	\$ 50,700.00	
10.14	Existing Turnout Removal	0	EA	\$ 8,000.00	\$ -	
	Subtotal					\$ 5,442,385.00
	Miscellaneous: 30%					\$ 1,632,715.50
	10 Subtotal					\$ 7,075,200.00
<b>20.0</b>	<b>Stations, Stops, Terminals</b>					
20.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Stations, Stops, Terminals 30%					\$ -
	20 Subtotal					\$ -
<b>30.0</b>	<b>Support Facilities</b>					
30.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	30 Subtotal					\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>					
40.1	Mobilization	1	LS	\$ 558,338.50	\$ 558,338.50	
40.2	Demolition, Clearing	0	LS	\$ -	\$ -	
40.3	Site Utilities, Utility Relocation Unspecified *	1	LS	\$ 1,000.00	\$ 1,000.00	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF	1	LS	\$ -	\$ -	
40.5	Embankment	0	CY	\$ 15.94	\$ -	
40.6	Excavation	0	CY	\$ 8.43	\$ -	
40.7	Drainage	1	LS	\$ 10,000.00	\$ 10,000.00	
40.8	Concrete Paving					
	US79	0	SY	\$ 54.58	\$ -	
	___ Rd	0	SY	\$ 54.58	\$ -	
	Bridge approach slabs	0	CY	\$ 476.10	\$ -	
	Curb & Gutter	0	LF	\$ 11.52	\$ -	
	Mono Curb	0	LF	\$ 5.64	\$ -	
	Sidewalk	0	SY	\$ 48.54	\$ -	
	Riprap (bridge abutments)	0	CY	\$ 431.31	\$ -	
	Curb Ramps	0	EA	\$ 1,736.66	\$ -	
40.9	Asphalt Paving					
	US79	0	SY	\$ 22.65	\$ -	
	___ Rd	0	SY	\$ 22.65	\$ -	
41.0	Pavement Removal					
	US79	0	SY	\$ 1.61	\$ -	
	___ Rd	0	SY	\$ 5.26	\$ -	
	Sidewalk & Ramp	0	SY	\$ 17.29	\$ -	

**Engineer's Opinion of Probable Cost**

Name: US DOT#789599S, US79

TxDOT\_Atlanta\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
	Riprap	0	SY	\$ 9.37	\$ -	
	Median	0	SY	\$ 13.15	\$ -	
	Curb & Gutter	0	LF	\$ 4.63	\$ -	
	Mono Curb	0	LF	\$ 4.55	\$ -	
41.1	Signing/Marking					
	US79	0	LS	\$ 80.34	\$ -	
41.2	Traffic Control					
	US79	1	LS	\$ 10,000.00	\$ 10,000.00	
41.3	Intersection Upgrade					
	Location/Description	0	EA	\$ 100,000.00	\$ -	
41.4	Roadway Bridges					
	US79	0	SF	\$ 127.26	\$ -	
41.5	Roadway Retaining Walls/Crash Walls					
	US79	0	SF	\$ 50.20	\$ -	
						\$ 21,000.00
	Miscellaneous: 30%					\$ 6,300.00
	40 Subtotal					\$ 585,638.50
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
	Modification at MP 437.25 Location	1	LS	\$ 100,000.00	\$ 100,000.00	
	Various Grade Crossings	0	LS	\$ -	\$ -	
50.2	Grade Crossing Warning Device Upgrade					
	Modification at DOT#789599S	1	EA	\$ 20,000.00	\$ 20,000.00	
50.3	Traffic Signal					
	Location/Description	0	LS	\$ -	\$ -	
50.4	Lighting					
	US79	0	LS	\$ 0.00	\$ -	
						\$ 120,000.00
	Miscellaneous: 30%					\$ 36,000.00
	50 Subtotal					\$ 156,000.00
						\$ 5,583,385.00
						\$ 7,816,838.50
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Low Impact (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Medium Impact (Moderate Damages)	0	LS	\$ -	\$ -	
	High Impact (Significant Damages)	0	LS	\$ -	\$ -	
						\$ -
	Miscellaneous: 30%					\$ -
	60 Subtotal					\$ -
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A	0	LS	\$ -	\$ -	
						\$ -
	Miscellaneous: 30%					\$ -
	70 Subtotal					\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering	5%	LS	\$ 7,816,838.50	\$ 390,800.00	
80.2	Final Design	8%	LS	\$ 7,816,838.50	\$ 625,300.00	
80.3	Construction Administration and Management	9%	LS	\$ 7,816,838.50	\$ 703,500.00	
80.4	Insurance	2%	LS	\$ 7,816,838.50	\$ 156,300.00	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 7,816,838.50	\$ 234,500.00	
						\$ 2,110,400.00
						\$ 9,927,238.50
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated	15%	LS	\$ 9,927,238.50	\$ 1,489,100.00	
						\$ 1,489,100.00

**Engineer's Opinion of Probable Cost**

Name: US DOT#789599S, US79

TxDOT Atlanta District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -
	<b>Total Project Costs (10-100)</b>					<b>\$ 11,416,338.50</b>
	1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021				
	2. Upgrade Traffic Signal	3. Construct new traffic signal				
	4. Reconfigure and Restripe Intersection					
	5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.					
	* Site utilities within the railroad are assumed to be avoided or costs will be incurred by utility per agreement with railroad.					
	** Assumes new track to be constructed without shoofly					

**Engineer's Opinion of Probable Cost**

Name: US DOT#789822T, LP 323

TxDOT\_Tyler\_District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item No.	Item Description		Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>						
10.1	Grading		0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements		0	LS	\$ 1.00	\$ -	
10.3	12" Subballast		0	CY	\$ 65.00	\$ -	
10.4	New Track		0	TF	\$ 215.00	\$ -	
10.5	Shift Track		0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track		0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout		0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout		0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing		0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	Location/Description	0	TF	\$ 16,000.00	\$ -	
10.11	Shoofly Railroad Bridge	Location/Description	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	Location/Description	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal		0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal		0	EA	\$ 8,000.00	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	10 Subtotal						\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>						
20.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Stations, Stops, Terminals	30%					\$ -
	20 Subtotal						\$ -
<b>30.0</b>	<b>Support Facilities</b>						
30.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	30 Subtotal						\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>						
40.1	Mobilization	10% subtotal 10-50 wout mob/misc	1	LS	\$ 2,279,269.66	\$ 2,279,269.66	
40.2	Demolition, Clearing	\$3000/Sta	1	LS	\$ 194,760.00	\$ 194,760.00	
40.3	Site Utilities, Utility Relocation Unspecified		1	LS	\$ 1,890,727.41	\$ 1,890,727.41	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF		1	LS	\$ 37,070.00	\$ 37,070.00	
40.5	Embankment		48,553	CY	\$ 15.94	\$ 773,934.82	
40.6	Excavation		0	CY	\$ 8.43	\$ -	
40.7	Drainage	5% subtotal 40 wout mob/drn	1	LS	\$ 1,039,900.07	\$ 1,039,900.07	
40.8	Concrete Paving						
		___ Rd	0	SY	\$ 54.58	\$ -	
		___ Rd	0	SY	\$ 54.58	\$ -	
		Bridge approach slabs	128	CY	\$ 476.10	\$ 60,940.80	
		Curb & Gutter	14,806	LF	\$ 11.52	\$ 170,565.12	
		Mono Curb	0	LF	\$ 5.64	\$ -	
		Sidewalk	0	SY	\$ 48.54	\$ -	
		Riprap	125	CY	\$ 431.31	\$ 53,913.75	
		Curb Ramps	0	EA	\$ 1,736.66	\$ -	
40.9	Asphalt Paving						
		LP 323	14,244	SY	\$ 22.65	\$ 322,626.60	
		Access Rd	7,551	SY	\$ 22.65	\$ 171,030.15	
		US 271	9,478	SY	\$ 22.65	\$ 214,676.70	
		Access Rd	9,822	SY	\$ 22.65	\$ 222,468.30	
41.0	Pavement Removal						
		LP 323	18,564	SY	\$ 1.61	\$ 29,888.04	
		US 271	17,549	SY	\$ 5.26	\$ 92,307.74	
		Sidewalk & Ramp	0	SY	\$ 17.29	\$ -	
		Riprap	0	SY	\$ 9.37	\$ -	

**Engineer's Opinion of Probable Cost**

Name: US DOT#789822T, LP 323

TxDOT\_Tyler\_District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
	Median	0	SY	\$ 13.15	\$ -	
	Curb & Gutter	0	LF	\$ 4.63	\$ -	
	Mono Curb	0	LF	\$ 4.55	\$ -	
41.1	Signing/Marking					
	LP 323	1	LS	\$ 82,943.15	\$ 82,943.15	
	US 271	1	LS	\$ 43,883.03	\$ 43,883.03	
41.2	Traffic Control					
	LP 323	1	LS	\$ 200,000.00	\$ 200,000.00	
	US 271	1	LS	\$ 150,000.00	\$ 150,000.00	
41.3	Intersection Upgrade					
	_____ @ _____	0	EA	\$ 100,000.00	\$ -	
	_____ @ _____	0	EA	\$ 100,000.00	\$ -	
41.4	Roadway Bridges					
	LP 323	75,242	SF	\$ 127.26	\$ 9,575,296.92	
	US 271	27,056	SF	\$ 127.26	\$ 3,443,146.56	
41.5	Roadway Retaining Walls/Crash Walls					
	LP 323	30,013	SF	\$ 50.20	\$ 1,506,652.60	
	US 271	31,099	SF	\$ 50.20	\$ 1,561,169.80	
	Subtotal without mob					\$ 21,837,901.56
	Miscellaneous: 30%					\$ 6,551,370.47
	40 Subtotal					\$ 30,668,541.69
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
	MP 543.8 Location	1	LS	\$ 100,000.00	\$ 100,000.00	
	Various Grade Crossings	0	LS	\$ -	\$ -	
50.2	Grade Crossing Warning Device Upgrade					
	Removal at DOT#789822T	1	LS	\$ 20,000.00	\$ 20,000.00	
50.3	Traffic Signal					
	<sup>1/3</sup> LP 323 @ US 271	1	LS	\$ 410,000.00	\$ 410,000.00	
50.4	Lighting					
	LP 323	1	LS	\$ 241,574.20	\$ 241,574.20	
	US 271	1	LS	\$ 183,220.80	\$ 183,220.80	
	Subtotal					\$ 954,795.00
	Miscellaneous: 30%					\$ 286,438.50
	50 Subtotal					\$ 1,241,233.50
	Construction subtotal without mob or misc					\$ 22,792,696.56
	Construction Subtotal (10-50)					\$ 31,909,775.19
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Low Impact (Minimal to No Damages)	1	LS	\$ 100,871.20	\$ 100,871.20	
	Medium Impact (Moderate Damages)	3	LS	\$ 56,534.00	\$ 169,602.00	
	High Impact (Significant Damages)	0	LS	\$ -	\$ -	
	Subtotal					\$ 270,473.20
	Miscellaneous: 30%					\$ 81,141.96
	60 Subtotal					\$ 351,615.16
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	70 Subtotal					\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering	5%	LS	\$ 31,909,775.19	\$ 1,595,500.00	
80.2	Final Design	8%	LS	\$ 31,909,775.19	\$ 2,552,800.00	
80.3	Construction Administration and Management	9%	LS	\$ 31,909,775.19	\$ 2,871,900.00	
80.4	Insurance	2%	LS	\$ 31,909,775.19	\$ 638,200.00	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 31,909,775.19	\$ 957,300.00	
	80 Subtotal					\$ 8,615,700.00

**Engineer's Opinion of Probable Cost**

Name: US DOT#789822T, LP 323

TxDOT\_Tyler\_District

Prepared by: JBD, Civil Corp

Date: July 20, 2021

Item				Unit	Total	
	Subtotal (10-80)					\$ 40,877,090.35
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated	15%	LS	\$ 40,877,090.35	\$ 6,131,600.00	
	90 Subtotal					\$ 6,131,600.00
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -
	<b>Total Project Costs (10-100)</b>					<b>\$ 47,008,690.35</b>
	1.Remove existing Traffic Signal			Unit cost based on TxDOT average low-bid unit prices for May 2021		
	2. Upgrade Traffic Signal	3. Construct new traffic signal				
	4. Reconfigure and Restripe Intersection					
	5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.					

**Engineer's Opinion of Probable Cost**

Name: US DOT#796050C, Leggett Dr

TxDOT Abilene District

Prepared by: LBB, HDR

Date: July 23, 2021

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>					
10.1	Grading	0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements	0	LS	\$ 1.00	\$ -	
10.3	12" Subballast	0	CY	\$ 65.00	\$ -	
10.4	New Track	2,000	TF	\$ 215.00	\$ 430,000.00	
10.5	Shift Track	0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track	0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout	0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout	0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing	0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	Leggett Dr	100	TF	\$ 130,000.00	\$ 13,000,000.00
10.11	Shoofly Railroad Bridge	Leggett Dr	100	TF	\$ 130,000.00	\$ 13,000,000.00
10.12	Trackside Retaining Walls/Crash Walls	Location/Description	0	SF	\$ 100.00	\$ -
10.13	Existing Track Removal		0	TF	\$ 50.00	\$ -
10.14	Existing Turnout Removal		0	EA	\$ 8,000.00	\$ -
	Subtotal					\$ 26,430,000.00
	Miscellaneous:	30%				\$ 7,929,000.00
	10 Subtotal					\$ 34,359,000.00
<b>20.0</b>	<b>Stations, Stops, Terminals</b>					
20.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Stations, Stops, Terminals	30%				\$ -
	20 Subtotal					\$ -
<b>30.0</b>	<b>Support Facilities</b>					
30.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous:	30%				\$ -
	30 Subtotal					\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>					
40.1	Mobilization	10% subtotal 10-50 wout mob/misc	1	LS	\$ 4,777,610.19	\$ 4,777,610.19
40.2	Demolition, Clearing	\$3000/Sta	1	LS	\$ 98,130.00	\$ 98,130.00
40.3	Site Utilities, Utility Relocation Unspecified		1	LS	\$ 1,702,454.62	\$ 1,702,454.62
40.4	Environmental Mitigation (Erosion control, seeding, other)	\$10000/1000LF	1	LS	\$ 27,710.00	\$ 27,710.00
40.5	Embankment		0	CY	\$ 15.94	\$ -
40.6	Excavation		81,126	CY	\$ 8.43	\$ 683,892.18
40.7	Drainage	10% subtotal 40 wout mob/drn	1	LS	\$ 1,872,700.08	\$ 1,872,700.08
40.8	Concrete Paving					
		S 1st St	933	SY	\$ 54.58	\$ 50,923.14
		N 1st St	817	SY	\$ 54.58	\$ 44,591.86
		Driveways	971	SY	\$ 54.58	\$ 52,997.18
		Bridge approach slabs	252	CY	\$ 476.10	\$ 119,977.20
		Curb & Gutter	10,080	LF	\$ 11.52	\$ 116,121.60
		Mono Curb	0	LF	\$ 5.64	\$ -
		Sidewalk	3474	SY	\$ 48.54	\$ 168,627.96
		Riprap (bridge abutments)	0	CY	\$ 431.31	\$ -
		Curb Ramps	35	EA	\$ 1,736.66	\$ 60,783.10
		Pedestrian Ramp	2	EA	\$ 807,062.03	\$ 1,614,124.06
40.9	Asphalt Paving					
		Leggett Dr	12,014	SY	\$ 22.65	\$ 272,117.10
		North One-Way Access Road	2,145	SY	\$ 22.65	\$ 48,584.25
		South One-Way Access Road	2,937	SY	\$ 22.65	\$ 66,523.05
41.0	Pavement Removal					
		Leggett Dr	14,042	SY	\$ 1.61	\$ 22,607.62
		Sidewalk & Ramp	937	SY	\$ 17.29	\$ 16,200.73
		Riprap	0	SY	\$ 9.37	\$ -
		Median	0	SY	\$ 13.15	\$ -

**Engineer's Opinion of Probable Cost**

Name: US DOT#796050C, Leggett Dr

TxDOT Abilene District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
	Curb & Gutter	937	LF	\$ 4.63	\$ 4,338.31	
	Mono Curb	0	LF	\$ 4.55	\$ -	
41.1	Signing/Marking					
	Leggett Dr	1	LS	\$99,951.81	\$ 99,951.81	
41.2	Traffic Control					
	Leggett Dr	1	LS	\$ 300,000.00	\$ 300,000.00	
41.3	Intersection Upgrade					
	Leggett Dr @ S 1st St Access Road	1	EA	\$ 100,000.00	\$ 100,000.00	
	Leggett Dr @ N 1st St Access Road	1	EA	\$ 100,000.00	\$ 100,000.00	
41.4	Roadway Bridges					
	S 1st St	8,400	SF	\$ 127.26	\$ 1,068,984.00	
	N 1st St	7,350	SF	\$ 127.26	\$ 935,361.00	
41.5	Roadway Retaining Walls/Crash Walls					
	Leggett Dr	68,450	SF	\$ 160.00	\$ 10,952,000.00	
	Subtotal without mob					\$ 20,599,700.85
	Miscellaneous: 30%					\$ 6,179,910.26
	40 Subtotal					\$ 31,557,221.30
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
	MP 408.69 Location	1	LS	\$ 100,000.00	\$ 100,000.00	
50.2	Grade Crossing Warning Device Upgrade					
	Removal at DOT#796050C	1	EA	\$ 20,000.00	\$ 20,000.00	
50.3	Traffic Signal					
	<sup>2</sup> Leggett Dr Access Road @ S 1st St	1	LS	\$ 200,000.00	\$ 200,000.00	
	<sup>2</sup> Leggett Dr Access Road @ N 1st St	1	LS	\$ 200,000.00	\$ 200,000.00	
50.4	Lighting					
	Leggett Dr	1	LS	\$226,401.00	\$ 226,401.00	
	Subtotal					\$ 746,401.00
	Miscellaneous: 30%					\$ 223,920.30
	50 Subtotal					\$ 970,321.30
	Construction subtotal without mob or misc					\$ 47,776,101.85
	Construction Subtotal (10-50)					\$ 66,886,542.60
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Low Impact (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Medium Impact (Moderate Damages)	1	LS	\$ 927,319.00	\$ 927,319.00	
	High Impact (Significant Damages)	1	LS	\$ 426,324.00	\$ 426,324.00	
	Subtotal					\$ 1,353,643.00
	Miscellaneous: 30%					\$ 406,092.90
	60 Subtotal					\$ 1,759,735.90
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	70 Subtotal					\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering	5%	LS	\$ 66,886,542.60	\$ 3,344,300.00	
80.2	Final Design	8%	LS	\$ 66,886,542.60	\$ 5,350,900.00	
80.3	Construction Administration and Management	9%	LS	\$ 66,886,542.60	\$ 6,019,800.00	
80.4	Insurance	2%	LS	\$ 66,886,542.60	\$ 1,337,700.00	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 66,886,542.60	\$ 2,006,600.00	
	80 Subtotal					\$ 18,059,300.00
	Subtotal (10-80)					\$ 86,705,578.50
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated	15%	LS	\$ 86,705,578.50	\$ 13,005,800.00	
	90 Subtotal					\$ 13,005,800.00

**Engineer's Opinion of Probable Cost**

Name: US DOT#796050C, Leggett Dr

TxDOT Abilene District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -
	<b>Total Project Costs (10-100)</b>					<b>\$ 99,711,378.50</b>
	1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021				
	2. Upgrade Traffic Signal	3. Construct new traffic signal				
	4. Reconfigure and Restripe Intersection					
	5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.					

Engineer's Opinion of Probable Cost

Name: US DOT#796272L, Bypass

TxDOT\_Odessa\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item No.	Item Description		Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>						
10.1	Grading		0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements		0	LS	\$ 1.00	\$ -	
10.3	12" Subballast		0	CY	\$ 65.00	\$ -	
10.4	New Track		0	TF	\$ 215.00	\$ -	
10.5	Shift Track		0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track		0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout		0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout		0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing		0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	Location/Description	0	TF	\$ 16,000.00	\$ -	
10.11	Shoofly Railroad Bridge	Location/Description	0	TF	\$ 10,000.00	\$ -	
10.12	Trackside Retaining Walls/Crash Walls	Location/Description	0	SF	\$ 100.00	\$ -	
10.13	Existing Track Removal		0	TF	\$ 50.00	\$ -	
10.14	Existing Turnout Removal		0	EA	\$ 8,000.00	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	10 Subtotal						\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>						
20.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Stations, Stops, Terminals	30%					\$ -
	20 Subtotal						\$ -
<b>30.0</b>	<b>Support Facilities</b>						
30.1	N/A		0	LS	\$ -	\$ -	
	Subtotal						\$ -
	Miscellaneous:	30%					\$ -
	30 Subtotal						\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>						
40.1	Mobilization	10% subtotal 10-50 wout mob/misc	1	LS	\$ 1,268,230.21	\$ 1,268,230.21	
40.2	Demolition, Clearing	\$3000/Sta	1	LS	\$ 364,350.00	\$ 364,350.00	
40.3	Site Utilities, Utility Relocation Unspecified		1	LS	\$ 1,054,115.27	\$ 1,054,115.27	
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF		1	LS	\$ 121,450.00	\$ 121,450.00	
40.5	Embankment		201,135	CY	\$ 15.94	\$ 3,206,091.90	
40.6	Excavation		0	CY	\$ 8.43	\$ -	
40.7	Drainage	5% subtotal 40 wout mob/drn	1	LS	\$ 579,763.40	\$ 579,763.40	
40.8	Concrete Paving						
		Bypass	4095	SY	\$ 54.58	\$ 223,505.10	
		Driveways	0	SY	\$ 54.58	\$ -	
		Bridge approach slabs	38	CY	\$ 476.10	\$ 18,091.80	
		Curb & Gutter	0	LF	\$ 11.52	\$ -	
		Mono Curb	0	LF	\$ 5.64	\$ -	
		Sidewalk	0	SY	\$ 48.54	\$ -	
		Riprap (bridge abutments)	143	CY	\$ 431.31	\$ 61,677.33	
		Curb Ramps	0	EA	\$ 1,736.66	\$ -	
40.9	Asphalt Paving						
		Bypass	58,196	SY	\$ 22.65	\$ 1,318,139.40	
		___ Rd	0	SY	\$ 22.65	\$ -	
41.0	Pavement Removal						
		Bypass	0	SY	\$ 1.61	\$ -	
		___ Rd	0	SY	\$ 5.26	\$ -	
		Sidewalk & Ramp	0	SY	\$ 17.29	\$ -	
		Riprap	0	SY	\$ 9.37	\$ -	
		Median	0	SY	\$ 13.15	\$ -	
		Curb & Gutter	0	LF	\$ 4.63	\$ -	

**Engineer's Opinion of Probable Cost**

Name: US DOT#796272L, Bypass

TxDOT\_Odessa\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
	Mono Curb	0	LF	\$ 4.55	\$ -	
41.1	Signing/Marking					
	Bypass	1	LS	\$ 97,396.74	\$ 97,396.74	
41.2	Traffic Control					
	Bypass	1	LS	\$ 20,000.00	\$ 20,000.00	
	___ Rd	0	LS	\$ -	\$ -	
41.3	Intersection Upgrade					
	Loop 464 - Bypass North Connection	1	EA	\$ 5,000.00	\$ 5,000.00	
	Loop 464 - Bypass South Connection	1	EA	\$ 5,000.00	\$ 5,000.00	
41.4	Roadway Bridges					
	Bypass	35,100	SF	\$ 127.26	\$ 4,466,826.00	
41.5	Roadway Retaining Walls/Crash Walls					
	Bypass	12,622	SF	\$ 50.20	\$ 633,624.40	
	Subtotal without mob					\$ 12,175,031.34
	Miscellaneous: 30%					\$ 3,652,509.40
	40 Subtotal					\$ 17,095,770.95
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
	MP 610.87 Location	0	LS	\$ 100,000.00	\$ -	
	Various Grade Crossings	0	LS	\$ -	\$ -	
50.2	Grade Crossing Warning Device Upgrade					
	DOT#796272L	0	EA	\$ 20,000.00	\$ -	
50.3	Traffic Signal					
	Location/Description	0	LS	\$ -	\$ -	
50.4	Lighting					
	Bypass	1	LS	\$ 507,270.75	\$ 507,270.75	
	Subtotal					\$ 507,270.75
	Miscellaneous: 30%					\$ 152,181.23
	50 Subtotal					\$ 659,451.98
	Construction subtotal without mob or misc					\$ 12,682,302.09
	Construction Subtotal (10-50)					\$ 17,755,222.93
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimal to No Damages)	1	LS	\$ 1,423,258.80	\$ 1,423,258.80	
	Low Impact (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Medium Impact (Moderate Damages)	0	LS	\$ -	\$ -	
	High Impact (Significant Damages)	0	LS	\$ -	\$ -	
	Subtotal					\$ 1,423,258.80
	Miscellaneous: 30%					\$ 426,977.64
	60 Subtotal					\$ 1,850,236.44
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	70 Subtotal					\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering	5%	LS	\$ 17,755,222.93	\$ 887,800.00	
80.2	Final Design	8%	LS	\$ 17,755,222.93	\$ 1,420,400.00	
80.3	Construction Administration and Management	9%	LS	\$ 17,755,222.93	\$ 1,598,000.00	
80.4	Insurance	2%	LS	\$ 17,755,222.93	\$ 355,100.00	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 17,755,222.93	\$ 532,700.00	
	80 Subtotal					\$ 4,794,000.00
	Subtotal (10-80)					\$ 24,399,459.37
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated	15%	LS	\$ 24,399,459.37	\$ 3,659,900.00	
	90 Subtotal					\$ 3,659,900.00
<b>100.0</b>	<b>Finance Charges</b>					

**Engineer's Opinion of Probable Cost**

Name: US DOT#796272L, Bypass

TxDOT\_Odessa\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -
	Total Project Costs (10-100)					\$ 28,059,359.37
	1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021				
	2. Upgrade Traffic Signal	3. Construct new traffic signal				
	4. Reconfigure and Restripe Intersection					
	5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.					

Engineer's Opinion of Probable Cost

Name: US DOT#796348P, CR1130

TxDOT\_Odessa\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Subtotal
<b>10.0</b>	<b>Guideway &amp; Track Elements</b>					
10.1	Grading	0	CY	\$ 15.00	\$ -	
10.2	Subgrade Improvements	0	LS	\$ 1.00	\$ -	
10.3	12" Subballast	0	CY	\$ 65.00	\$ -	
10.4	New Track	0	TF	\$ 215.00	\$ -	
10.5	Shift Track	0	TF	\$ 35.00	\$ -	
10.6	Upgrade Track	0	TF	\$ 25.00	\$ -	
10.7	Install Power Turnout	0	EA	\$ 230,000.00	\$ -	
10.8	Install Hand Throw Turnout	0	EA	\$ 175,000.00	\$ -	
10.9	Concrete Crossing	0	TF	\$ 600.00	\$ -	
10.10	Railroad Bridge	Location/Description	0	TF	\$ 16,000.00	\$ -
10.11	Shoofly Railroad Bridge	Location/Description	0	TF	\$ 10,000.00	\$ -
10.12	Trackside Retaining Walls/Crash Walls	Location/Description	0	SF	\$ 100.00	\$ -
10.13	Existing Track Removal		0	TF	\$ 50.00	\$ -
10.14	Existing Turnout Removal		0	EA	\$ 8,000.00	\$ -
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	10 Subtotal					\$ -
<b>20.0</b>	<b>Stations, Stops, Terminals</b>					
20.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Stations, Stops, Terminals 30%					\$ -
	20 Subtotal					\$ -
<b>30.0</b>	<b>Support Facilities</b>					
30.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	30 Subtotal					\$ -
<b>40.0</b>	<b>Sitework &amp; Special Conditions</b>					
40.1	Mobilization	10% subtotal 10-50 wout mob/misc	1	LS	\$ 5,118,415.74	\$ 5,118,415.74
40.2	Demolition, Clearing	\$3000/Sta	1	LS	\$ 186,960.00	\$ 186,960.00
40.3	Site Utilities, Utility Relocation Unspecified		1	LS	\$ 4,440,733.99	\$ 4,440,733.99
40.4	Environmental Mitigation (Erosion control, seeding, other) \$10000/1000LF		1	LS	\$ 62,320.00	\$ 62,320.00
40.5	Embankment		33,600	CY	\$ 15.94	\$ 535,584.00
40.6	Excavation		0	CY	\$ 8.43	\$ -
40.7	Drainage	5% subtotal 40 wout mob/drn	1	LS	\$ 1,850,862.03	\$ 1,850,862.03
40.8	Concrete Paving					
	CR 1130		2875	SY	\$ 54.58	\$ 156,917.50
	IH 20 WB Frontage Road		1509	SY	\$ 54.58	\$ 82,361.22
	IH 20 EB Frontage Road		3080	SY	\$ 54.58	\$ 168,106.40
	Driveways		2077	SY	\$ 11.52	\$ 23,927.04
	Bridge approach slabs		222	CY	\$ 476.10	\$ 105,694.20
	Curb & Gutter		0	LF	\$ 11.52	\$ -
	Mono Curb		0	LF	\$ 5.64	\$ -
	Sidewalk		0	SY	\$ 48.54	\$ -
	Riprap (bridge abutments)		291	CY	\$ 431.31	\$ 125,511.21
	Curb Ramps		0	EA	\$ 1,736.66	\$ -
40.9	Asphalt Paving					
	CR 1130		8,133	SY	\$ 22.65	\$ 184,212.45
	IH 20 WB Frontage Road		8,041	SY	\$ 22.65	\$ 182,128.65
	IH 20 EB Frontage Road		8,206	SY	\$ 22.65	\$ 185,865.90
	Two-Way Access Road		593	SY	\$ 22.65	\$ 13,431.45
41.0	Pavement Removal					
	CR 1130		11,216	SY	\$ 1.61	\$ 18,057.76
	IH 20 WB Frontage Road		9,281	SY	\$ 1.61	\$ 14,942.41
	IH 20 EB Frontage Road		11,493	SY	\$ 1.61	\$ 18,503.73

**Engineer's Opinion of Probable Cost**

Name: US DOT#796348P, CR1130

TxDOT\_Odessa\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
	Sidewalk & Ramp	0	SY	\$ 17.29	\$ -	
	Riprap	0	SY	\$ 9.37	\$ -	
	Median	0	SY	\$ 13.15	\$ -	
	Curb & Gutter	0	LF	\$ 4.63	\$ -	
	Mono Curb	0	LF	\$ 4.55	\$ -	
41.1	Signing/Marking					
	CR 1130	1	LS	\$ 53,303.69	\$ 53,303.69	
41.2	Traffic Control					
	CR 1130	1	LS	\$ 300,000.00	\$ 300,000.00	
41.3	Intersection Upgrade					
	Location/Description	0	EA	\$ 100,000.00	\$ -	
41.4	Roadway Bridges					
	CR 1130	25,875	SF	\$ 127.26	\$ 3,292,852.50	
41.5	IH 20 WB Frontage Road	13,581	SF	\$ 127.26	\$ 1,728,318.06	
	IH 20 EB Frontage Road	27,720	SF	\$ 127.26	\$ 3,527,647.20	
	Roadway Retaining Walls/Crash Walls			\$ -		
	CR 1130	42,336	SF	\$ 476.10	\$ 20,156,169.60	
	IH 20 WB Frontage Road	28,958	SF	\$ 50.20	\$ 1,453,691.60	
	IH 20 EB Frontage Road	27,430	SF	\$ 431.31	\$ 11,830,833.30	
	Subtotal without mob					\$ 50,698,935.89
	Miscellaneous: 30%					\$ 15,209,680.77
	40 Subtotal					\$ 71,027,032.40
<b>50.0</b>	<b>Systems</b>					
50.1	Railroad Control Point					
	Removal at MP 547.24 Location	1	LS	\$ 100,000.00	\$ 100,000.00	
50.2	Grade Crossing Warning Device Upgrade					
	Removal at DOT#796348P	1	EA	\$ 20,000.00	\$ 20,000.00	
50.3	Traffic Signal					
	Location/Description	0	LS	\$ -	\$ -	
50.4	Lighting					
	CR 1130	1	LS	\$ 125,790.00	\$ 125,790.00	
	IH 20 WB Frontage Road	1	LS	\$ 111,583.50	\$ 111,583.50	
	IH 20 EB Frontage Road	1	LS	\$ 127,848.00	\$ 127,848.00	
	Subtotal					\$ 485,221.50
	Miscellaneous: 30%					\$ 145,566.45
	50 Subtotal					\$ 630,787.95
	Construction subtotal without mob or misc					\$ 51,184,157.39
5.0	Construction Subtotal (10-50)					\$ 71,657,820.35
<b>60.0</b>	<b>ROW, Land, Existing Improvements</b>					
60.1	Bypass (Minimal to No Damages)	0	LS	\$ -	\$ -	
	Low Impact (Minimal to No Damages)	1	LS	\$ -	\$ -	
	Medium Impact (Moderate Damages)	0	LS	\$ -	\$ -	
	High Impact (Significant Damages)	1	LS	\$ 306,816.00	\$ 306,816.00	
	Subtotal					\$ 306,816.00
	Miscellaneous: 30%					\$ 92,044.80
	60 Subtotal					\$ 398,860.80
<b>70.0</b>	<b>Vehicles</b>					
70.1	N/A	0	LS	\$ -	\$ -	
	Subtotal					\$ -
	Miscellaneous: 30%					\$ -
	70 Subtotal					\$ -
<b>80.0</b>	<b>Professional Services</b>					
80.1	Preliminary Engineering	5%	LS	\$ 71,657,820.35	\$ 3,582,900.00	
80.2	Final Design	8%	LS	\$ 71,657,820.35	\$ 5,732,600.00	
80.3	Construction Administration and Management	9%	LS	\$ 71,657,820.35	\$ 6,449,200.00	
80.4	Insurance	2%	LS	\$ 71,657,820.35	\$ 1,433,200.00	
80.5	Surveys, Testing, Investigation, Inspection	3%	LS	\$ 71,657,820.35	\$ 2,149,700.00	

**Engineer's Opinion of Probable Cost**

Name: US DOT#796348P, CR1130

TxDOT\_Odessa\_District

Prepared by: LBB, HDR

Date: July 23, 2021

Item				Unit	Total	
	80 Subtotal					\$ 19,347,600.00
	Subtotal (10-80)					\$ 91,404,281.15
<b>90.0</b>	<b>Unallocated Contingency</b>					
90.1	Unallocated	15%	LS	\$ 91,404,281.15	\$ 13,710,600.00	
	90 Subtotal					\$ 13,710,600.00
<b>100.0</b>	<b>Finance Charges</b>					
100.1	Finance Charges	0	LS	\$ -	\$ -	
	100 Subtotal					\$ -
	<b>Total Project Costs (10-100)</b>					<b>\$ 105,114,881.15</b>
	1.Remove existing Traffic Signal	Unit cost based on TxDOT average low-bid unit prices for May 2021				
	2. Upgrade Traffic Signal	3. Construct new traffic signal				
	4. Reconfigure and Restripe Intersection					
	5 Potential for higher unit price than estimated if Hazardous material is discovered with in ROW. Preliminary Engineering Cost increased to account for additional efforts.					