



## MILE 4 1/2 W (BRIDGE AVE) PROJECT LOCATION MAP

FROM IH-2 TO MILE 10 N (APPROX. 2.2 MILES)



**L&G Consulting Engineers, Inc.**

2100 W. Expressway 81  
Mercedes, TX 78570  
Phone: (956) 567-8813  
Fax: (956) 898-1331  
Toll Free: (888) 568-9813

900 S. Stewart Rd., Ste. 6  
Mission, TX 78572  
Phone: (956) 585-1509  
Fax: (956) 688-1331  
Toll Free: (866) 585-1509

Firm No. F-1105

**EXHIBIT "B-1"**  
**MILE 4 1/2 (BRIDGE AVE)**  
**ESTIMATED PROJECT COSTS**

ROADWAY PROJECT LIMITS	Mile 4 1/2 (Bridge Ave)		
ESTIMATED PARCEL COUNT ... (ROADWAY ONLY)	From: IH-2 to MILE 10		
ESTIMATED PARCEL EASEMENTS/JUA COUNT ... (ROADWAY ONLY)	22		
ESTIMATED ROW LAND COST ... (9.4 ac. ROADWAY ONLY)	7		
ESTIMATED TOTAL LAND ROW & UTILITY COST ONLY MILE 9 TO MILE 10	\$ 1,842,588.00		
ESTIMATED CONSTRUCTION COST ... (ROADWAY NEW AND 3RR SECTION)	\$ 13,700,000.00		
ESTIMATED CONSTRUCTION COST ... (OUTFALLS)	\$ 2,000,000.00		
ESTIMATED CONSTRUCTION COST (BICYCLE SHARED USE PATH)(1.4 MILES)	\$ 840,000.00		
ESTIMATED TOTAL CONSTRUCTION COST	\$ 16,540,000.00		
ESTIMATED CE COST	\$ 1,819,400.00		
LENGTH FOR ROADWAY (MILES) (1.4 MILES + 0.8 MILES)	2.2 Miles		
LENGTH FOR OUTFALLS (MILES)	0.2 Miles		
<b>ESTIMATED PROJECT TASKS</b>	<b>ESTIMATED % LOCAL COST</b>	<b>TOTAL ESTIMATED PROJECT COST</b>	<b>ESTIMATED LOCAL COST AND/OR FUNDING SOURCE</b>
<b>PHASE I - INTERLOCAL COOPERATION AGREEMENT</b>			<b>HIDALGO COUNTY PCT#1 50.0%</b> <b>CITY OF WESLACO 50.0%</b>
<b>PHASE I - PRELIMINARY ENGINEERING AND PLANNING FOR DEVELOPMENT OF ROADWAY PROJECT</b>			
PROJECT MANAGEMENT (YEAR- 1)	100%	\$ 75,000.00	\$ 37,500.00 \$ 37,500.00
Determ. of Local Costs vs State Cost/Fees. Agreements/ AFA with TxDOT/LPAMPO coord.	100%	\$ 50,000.00	\$ 25,000.00 \$ 25,000.00
Preliminary Surveying recover exiting CL , Lidar, Pre-ownership	100%	\$ 72,000.00	\$ 36,000.00 \$ 36,000.00
Preliminary Route Locations on Controlled Mapping	100%	\$ 200,000.00	\$ 100,000.00 \$ 100,000.00
Controlled Mapping (w/Contours & GIS Info)	100%	\$ 50,000.00	\$ 25,000.00 \$ 25,000.00
Traffic Projections per TXDOT Directive (C&M or ETSI)	100%	\$ 75,000.00	\$ 37,500.00 \$ 37,500.00
LOS to Justify 4- Lanes (ETSI) to include Traffic Warrants (ETSI)	100%	\$ 110,000.00	\$ 55,000.00 \$ 55,000.00
Preliminary Hydrologic Map & Preliminary Hydraulic Calculations of Existing & Projected Outfall Needs	100%	\$ 90,000.00	\$ 45,000.00 \$ 45,000.00
Preliminary ROW Requirements	100%	\$ 30,000.00	\$ 15,000.00 \$ 15,000.00
Irrigation Lines identification for avoidance	100%	\$ 60,000.00	\$ 30,000.00 \$ 30,000.00
Preliminary Environmental Analysis (for Fatal Flaws)	100%	\$ 45,000.00	\$ 22,500.00 \$ 22,500.00
Schematic (Preliminary recovery of existing cl and new aerial image and appraisal property ownership)	100%	\$ 150,000.00	\$ 75,000.00 \$ 75,000.00
Meetings, Coordination & Support for Project Development	100%	\$ 75,000.00	\$ 37,500.00 \$ 37,500.00
Develop ICA with City of Weslaco and Hidalgo County	100%	\$ 35,000.00	\$ 17,500.00 \$ 17,500.00
Preliminary Utilities (Compensable & Permitted)	100%	\$ 45,000.00	\$ 22,500.00 \$ 22,500.00
<b>SUB-TOTAL</b>		\$ 1,162,000	\$ 581,000 \$ 581,000
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<b>ESTIMATED PHASE II - FOR INFORMATION AND ESTIMATING PURPOSES ONLY</b>			
<b>PHASE II - EA, PUBLIC INVOLVEMENT, SURVEYS, SUE, TRAFFIC MODELING, HYDRAULIC MODELING &amp; SCHEMATIC DESIGN</b>			
PROJECT MANAGEMENT (YEARS 1) Determ. of Local Costs vs State Cost/Fees. Agreements/ AFA with TxDOT/LPAMPO coord.	100%	\$ 110,000.00	\$ 55,000.00 \$ 55,000.00
Environmental Document with TxDOT	100%	\$ 180,000.00	\$ 90,000.00 \$ 90,000.00
Public Involvement for the project with stakeholders and 3 Public Meetings	100%	\$ 90,000.00	\$ 45,000.00 \$ 45,000.00
Archaeological and Historical Research	100%	\$ 85,000.00	\$ 42,500.00 \$ 42,500.00
Engineering Technical Support at Public Mtgs with Layouts etc	100%	\$ 50,400.00	\$ 25,200.00 \$ 25,200.00
Schematic for Roadway & OUTFALLS (30% local cost OF 3% Eng Fee) (TxDOT wants 30% design level Schematic)	100%	\$ 396,960.00	\$ 198,480.00 \$ 198,480.00
Geotechnical Drilling & Testing for Bore Logs and Preliminary Geo Reports for Pavt Design and Foundation Designs	100%	\$ 175,000.00	\$ 87,500.00 \$ 87,500.00
Hydrological MAP & REPORT for Outfall Drain Ditches capacities	100%	\$ 110,000.00	\$ 55,000.00 \$ 55,000.00
Office Surveys for Schematic (Prel. Ownership Identification and Property Rights) ROADWAY	100%	\$ 42,000.00	\$ 21,000.00 \$ 21,000.00
Update Schematic and EA based on comments as provided by TxDOT, FHWA, COUNTY, CITY OF WESLACO	100%	\$ 90,000.00	\$ 45,000.00 \$ 45,000.00
Engineering Technical Support for Public Hearing with Layouts etc	100%	\$ 50,400.00	\$ 25,200.00 \$ 25,200.00
Field Surveys for Design and Construction OF ROADWAY including ROE for Surveys and EA	100%	\$ 165,000.00	\$ 82,500.00 \$ 82,500.00
Field Surveys for Design and Construction OF OUTFALLS including ROE for Surveys and EA	100%	\$ 12,000.00	\$ 6,000.00 \$ 6,000.00
1 Public Hearing	100%	\$ 90,000.00	\$ 45,000.00 \$ 45,000.00
Sub-Surface Utility Engineering (SUE) 25 post holes/mile	100%	\$ 180,000.00	\$ 90,000.00 \$ 90,000.00
Direct State Costs for PE, Environmental, Utility, and ROW	100%	\$ 150,000.00	\$ 75,000.00 \$ 75,000.00
<b>SUB-TOTAL</b>		\$ 1,976,760	\$ 988,380 \$ 988,380
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<b>ESTIMATED PHASE III - FOR INFORMATION AND ESTIMATING PURPOSES ONLY</b>			
<b>PHASE III SECTION I, II &amp; III - PLANS SPECIFICATIONS, ROW MAP, ROW ACQUISITION FOR ROADWAY AND OUTFALLS AND CONTRUCTION OVERSIGHT</b>			
PROJECT MANAGEMENT (1 YEARS)	100%	\$ 110,000.00	\$ 55,000.00 \$ 55,000.00
PS&E Development Roadway, outfalls and shared bike/ped lanes approx (3.0.% Engineering Fee)	100%	\$ 1,323,200.00	\$ 661,600.00 \$ 661,600.00
Geotechnical, and Pavt Designs for approval by TxDOT	100%	\$ 150,000.00	\$ 75,000.00 \$ 75,000.00
Additional Surveys for updated work required upon finalization of Schematic	100%	\$ 22,000.00	\$ 11,000.00 \$ 11,000.00
Signing & Striping Design	100%	\$ 125,000.00	\$ 62,500.00 \$ 62,500.00
Safety Lighting wiring diagrams and plan layouts	100%	\$ 125,000.00	\$ 62,500.00 \$ 62,500.00
Signals Design	100%	\$ 76,000.00	\$ 38,000.00 \$ 38,000.00
Temporary Signal Designs during Construction	100%	\$ 45,000.00	\$ 22,500.00 \$ 22,500.00
Engineering Fee to Create 1 set of Plans and Submit through TxDOT	100%	\$ 112,500.00	\$ 56,250.00 \$ 56,250.00
Permitted Utilities Coordination to adjust	100%	\$ 120,000.00	\$ 60,000.00 \$ 60,000.00
<b>SUB-TOTAL</b>		\$ 2,208,700.00	\$ 1,104,350.00 \$ 1,104,350.00
<b>SUB-TOTAL</b>		\$ 2,208,700.00	\$ 1,104,350.00 \$ 1,104,350.00
<b>ESTIMATED PHASE IV - FOR INFORMATION PURPOSES ONLY</b>			
<b>PHASE IV SECTION I, II &amp; III - PLANS SPECIFICATIONS, ROW MAP, ROW ACQUISITION FOR ROADWAY AND OUTFALLS AND CONTRUCTION OVERSIGHT</b>			
PROJECT MANAGEMENT (1-YEARS)	100%	\$ 110,000.00	\$ 55,000.00 \$ 55,000.00
Complete ROW Map (PARCELS) RDWY & EASEMENTS & OUTFALLS	100%	\$ 145,000.00	\$ 72,500.00 \$ 72,500.00
Additional Surveys for updated work required upon finalization of Schematic	100%	\$ 55,000.00	\$ 27,500.00 \$ 27,500.00
Right-of-Way Costs - Acq. Services RDWY, EASEMENTS AND OUTFALLS	100%	\$ 493,000.00	\$ 246,500.00 \$ 246,500.00
Est. County Atty Costs for Condem (\$20,000/Parcel based on 20% total of parcels) RDWY & Outfalls	100%	\$ 88,000.00	\$ 44,000.00 \$ 44,000.00
Estimated Compensable Utility Mgmt for Adjusting Compensable Utility	100%	\$ 129,800.00	\$ 64,900.00 \$ 64,900.00
Estimated Roadway Right-of-Way Costs (LAND, EASEMENTS AND COMPENSABLE LINES), ALL	20%	\$ 1,842,588.00	\$ 368,517.60 \$ 368,517.60
<b>SUB-TOTAL</b>		\$ 2,863,188.00	\$ 1,389,117.80 \$ 1,389,117.80
<b>SUB-TOTAL</b>		\$ 2,863,188.00	\$ 1,389,117.80 \$ 1,389,117.80
<b>ESTIMATED PHASE V - FOR INFORMATION PURPOSES ONLY</b>			
<b>PHASE V SECTION I, II &amp; III - PLANS SPECIFICATIONS, ROW MAP, ROW ACQUISITION FOR ROADWAY AND OUTFALLS AND CONTRUCTION OVERSIGHT</b>			
Eng Consultant Construction Management (12 Months)	100%	\$ 162,000.00	\$ 81,000.00 \$ 81,000.00
Construction Direct State Costs (State review and oversight of Construction Engineering)	100%	\$ 120,000.00	\$ 60,000.00 \$ 60,000.00
ROADWAY & OUTFALL CONSTRUCTION COST	3.2%	\$ 15,540,000.00	\$ 264,640.00 \$ 264,640.00
TxDOT/LPA Construction Inspection (11%)	3.2%	\$ 1,819,400.00	\$ 29,110.40 \$ 29,110.40
<b>SUB-TOTAL</b>		\$ 18,641,400.00	\$ 434,750.40 \$ 434,750.40
<b>SUB-TOTAL</b>		\$ 18,641,400.00	\$ 434,750.40 \$ 434,750.40
<b>ESTIMATED GRAND TOTAL</b>		\$ 26,852,048.00	\$ 3,803,039.20 \$ 3,803,039.20

TOTAL ESTIMATED LPA COST: \$ 7,606,078  
 COMBINED TOTAL ESTIMATED PROJECT COST: \$ 26,852,048      28.3%  
 ESTIMATED LPA COSTS NOT INCLUDED IN WORK AUTHORIZATION(S): \$ 1,314,018