



**MILE 4 1/2 W (BRIDGE AVE)  
LOCATION MAP**  
FROM MILE 9 N (SUGAR CANE DR) TO MILE 10 N  
(APPROX. 1.1 MILES)



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Firm No. E-4105

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

ROADWAY PROJECT LIMITS	Mile 4 1/2 (Bridge Ave) From: MILE 9 (Sugar Cane Rd) to MILE 10
ESTIMATED PARCEL COUNT ... (ROADWAY ONLY)	22
ESTIMATED PARCEL EASEMENTS/JUA COUNT ... (ROADWAY ONLY)	7
ESTIMATED ROW LAND COST ... (9.4 ac. ROADWAY ONLY)	\$ 1,842,588.00
ESTIMATED TOTAL LAND ROW & UTILITY COST	\$ 1,842,588.00
ESTIMATED CONSTRUCTION COST ... (ROADWAY ONLY)	\$ 8,175,000.00
ESTIMATED CONSTRUCTION COST ... (OUTFALLS)	\$ 1,000,000.00
ESTIMATED CONSTRUCTION COST (BICYCLE SHARED USE PATH)	\$ 654,000.00
ESTIMATED TOTAL CONSTRUCTION COST	\$ 9,829,000.00
ESTIMATED CE COST	\$ 1,081,190.00
LENGTH FOR ROADWAY (MILES)	1.1 Miles
LENGTH FOR OUTFALLS (MILES)	0.2 Miles

ESTIMATED PROJECT TASKS	ESTIMATED % LOCAL COST	TOTAL ESTIMATED PROJECT COST	ESTIMATED LOCAL COST AND/OR FUNDING SOURCE	
			HIDALGO COUNTY PCT#1 50.0%	CITY OF WESLACO 50.0%
<b>PHASE I - INTERLOCAL COOPERATION AGREEMENT</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/LPA/MPO 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>			\$ 581,000	\$ 581,000
<b>SUB-TOTAL</b>		\$ 1,162,000	\$ 1,162,000	\$ 1,162,000
<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/LPA/MPO coord.	100%	\$ 120,000.00	\$ 60,000.00	\$ 60,000.00
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
Archeological and Historical Research	100%	\$ 85,000.00	\$ 42,500.00	\$ 42,500.00
Engineering Technical Support at Public Mtgs with Layouts etc	100%	\$ 37,800.00	\$ 18,900.00	\$ 18,900.00
Schematic for Roadway & OUTFALLS (30% local cost OF 8% Eng Fee) (TxDOT wants 30% design level Schematic)	100%	\$ 200,000.00	\$ 100,000.00	\$ 100,000.00
Geotechnical Drilling & Testing for Bore Logs and Preliminary Geo Reports for, Pav't Design and Foundation Designs	100%	\$ 75,000.00	\$ 37,500.00	\$ 37,500.00
Hydrological MAP & REPORT for Outfall Drain Ditches capacities	100%	\$ 75,000.00	\$ 37,500.00	\$ 37,500.00
Office Surveys for Schematic (Prel. Ownership Identification and Property Rights) ROADWAY	100%	\$ 35,000.00	\$ 17,500.00	\$ 17,500.00
Update Schematic and EA based on comments as provided by TxDOT/FHWA, COUNTY, CITY OF WESLACO	100%	\$ 180,000.00	\$ 90,000.00	\$ 90,000.00
Engineering Technical Support for Public Hearing with Layouts etc	100%	\$ 37,800.00	\$ 18,900.00	\$ 18,900.00
Field Surveys for Design and Construction OF ROADWAY including ROE for Surveys and EA	100%	\$ 81,750.00	\$ 40,875.00	\$ 40,875.00
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 pot holes/mile	100%	\$ 96,750.00	\$ 48,375.00	\$ 48,375.00
Direct State Costs for PE, Environmental, Utility, and ROW	100%	\$ 150,000.00	\$ 75,000.00	\$ 75,000.00
<b>SUB-TOTAL</b>			\$ 773,050	\$ 773,050
<b>SUB-TOTAL</b>		\$ 1,546,100	\$ 1,546,100	\$ 1,546,100
<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%	\$ 90,000.00	\$ 45,000.00	\$ 45,000.00
PS&E Development Roadway, outfalls and shared bike/ped lanes approx (8.0% Engineering Fee)	100%	\$ 786,320.00	\$ 393,160.00	\$ 393,160.00
Geotechnical, and Pav't 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%	\$ 10,900.00	\$ 5,450.00	\$ 5,450.00
Signing & Striping Design	100%	\$ 75,000.00	\$ 37,500.00	\$ 37,500.00
Signals Design	100%	\$ 76,000.00	\$ 38,000.00	\$ 38,000.00
Temporary Signal Designs during Construction	100%	\$ 38,000.00	\$ 19,000.00	\$ 19,000.00
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%	\$ 80,000.00	\$ 40,000.00	\$ 40,000.00
<b>SUB-TOTAL</b>			\$ 709,360.00	\$ 709,360.00
<b>SUB-TOTAL</b>		\$ 1,418,720.00	\$ 1,418,720.00	\$ 1,418,720.00
<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%	\$ 90,000.00	\$ 45,000.00	\$ 45,000.00
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%	\$ 27,250.00	\$ 13,625.00	\$ 13,625.00
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%	\$ 129,600.00	\$ 64,800.00	\$ 64,800.00
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>			\$ 670,683.80	\$ 670,683.80
<b>SUB-TOTAL</b>		\$ 2,815,438.00	\$ 1,407,719.40	\$ 1,407,719.40
<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%	\$ 9,829,000.00	\$ 157,264.00	\$ 157,264.00
TxDOT/LPA Construction Inspection (11%)	3.2%	\$ 1,081,190.00	\$ 17,299.04	\$ 17,299.04
<b>SUB-TOTAL</b>			\$ 315,563.04	\$ 315,563.04
<b>SUB-TOTAL</b>		\$ 11,192,190.00	\$ 5,649,845.84	\$ 5,543,622.08
<b>ESTIMATED GRAND TOTAL</b>		\$ 18,134,448.00	\$ 9,067,223.92	\$ 9,067,223.92

TOTAL ESTIMATED LPA COST: \$ 6,099,314  
COMBINED TOTAL ESTIMATED PROJECT COST: \$ 18,134,448 33.6%  
ESTIMATED LPA COSTS NOT INCLUDED IN WORK AUTHORIZATION(S): \$ 1,075,644