

**FIU + City of Sweetwater University City Project  
Engineer's Estimate of Probable Construction Cost  
Conceptual City Hall Improved Parking and Access (CHIPA)**

  
**EGSC Engineering Consultants**

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ROADWAY ITEMS					
Item	Description	Quantity	Unit	Unit Price	Price
RD-1	Demolition removal and disposal of existing sidewalk	3,000	SY	\$ 15.00	\$ 45,000.00
RD-2	Demolition removal and disposal of existing concrete curb & gutter	5,000	LF	\$ 7.50	\$ 37,500.00
RD-3	Pavement milling (depth varies-" max)	5,500	SY	\$ 5.00	\$ 27,500.00
RD-4	Clearing and grubbing, including demolition, removal and disposal of existing pavement behind new curb & gutter line, and vegetation for greenway path.	1	LS	\$ 500,000.00	\$ 500,000.00
RD-5	Misc. 1" Type S-3 Asphalt, including resetting valve and manhole tops as necessary.	400	TN	\$ 110.00	\$ 44,000.00
RD-6	Back of Sidewalk Area Restoration (sod or asphalt)	1	LS	\$ 250,000.00	\$ 250,000.00
RD-7	Type 'F' concrete curb & gutter	5,500	LF	\$ 35.00	\$ 192,500.00
RD-8	Concrete Sidewalk (4" thick. 6" at driveways) including subgrade prep. driveways, drop curbs, handicap ramps, sidewalks finishes, and providing and resetting water meter boxes and manhole tops as necessary.	500	SY	\$ 50.00	\$ 25,000.00
RD-9	Vehicular Brick Pavers w/ 2" (ASTRI C1272-Type F) Herringbone pattern, color #30103 (Terracotta) pattern angle: 45 degree to road alignment, including subgrade preparation and resetting valve and manhole tops as necessary.	2,700	SY	\$ 80.00	\$ 216,000.00
RD-10	Pedestrian Brick Pavers w/ 1" Herringbone pattern, color #30103 (Terracotta) pattern angle: 45 degree to road alignment, including subgrade preparation and resetting valve and manhole tops as necessary.	2,200	SY	\$ 60.00	\$ 132,000.00
RD-10	Pedestrian Brick Pavers for CITY HALL EAST PLAZA adjacent to Parking Garage w/ 1" Herringbone pattern, color #30103 (Terracotta) pattern angle: 45 degree to road alignment, including subgrade preparation and resetting valve, manhole tops, and catch basins as necessary.	1,500	SY	\$ 65.00	\$ 97,500.00
RD-11	Stamped Integral Color Class II Concrete (Crosswalks), including subgrade preparation and resetting valve and manhole tops as necessary	300	SY	\$ 80.00	\$ 24,000.00
RD-12	Reinforced Class II Concrete for Vehicular Paver Base, including subgrade preparation	2,700	SY	\$ 50.00	\$ 135,000.00
RD-12	Furnishings for CITY HALL EAST PLAZA	1	LS	\$ 50,000.00	\$ 50,000.00
RD-13	Miscellaneous Concrete	500	SY	\$ 150.00	\$ 75,000.00
RD-14	Drop Inlets	30	EA	\$ 3,000.00	\$ 90,000.00
RD-15	18" Corrugated Metal Drainage Pipe	300	LF	\$ 100.00	\$ 30,000.00
RD-16	Modify Existing Drainage Structure Top Slab w/ Curb Inlet	30	EA	\$ 1,500.00	\$ 45,000.00
RD-17	Clean and De-Silt Existing Storm Sewer System (all existing inlets and pipe from S.W. 8th St. to S.W. 5th St)	1	LS	\$ 20,000.00	\$ 20,000.00
RD-18	CHIPA City of Sweetwater Parking Garage At City Hall	81,000	SF	\$ 110.00	\$ 8,910,000.00
RD-19	Furnish and Install Smart Parking System Deployment in new City Hall Parking Garage	1	LS	\$ 500,000.00	\$ 500,000.00
RD-20	Furnish and Install Parking Meter Infrastructure	1	LS	\$ 500,000.00	\$ 500,000.00
<b>Subtotal:</b>					<b>\$ 11,946,000.00</b>

PAVEMENT MARKING & SIGNING ITEMS					
Item	Description	Quantity	Unit	Unit Price	Price
PMS-1	Complete Pavment Marking and Signage	1	LS	\$ 200,000.00	\$ 200,000.00
<b>Subtotal:</b>					<b>\$ 200,000.00</b>
ELECTRICAL ITEMS					
Item	Description	Quantity	Unit	Unit Price	Price
E-1	Furnish and Install underground electrical conduit for lighting system under pavement.	11,000	LF	\$ 30.00	\$ 330,000.00
E-2	Furnish and Install pull boxes for lighting system.	120	EA	\$ 1,000.00	\$ 120,000.00
E-3	Furnish and Install decorative lighting poles and fixtures	100	EA	\$ 2,000.00	\$ 200,000.00
<b>Subtotal:</b>					<b>\$ 650,000.00</b>
LANDSCAPE / IRRIGATION ITEMS					
Item	Description	Quantity	Unit	Unit Price	Price
LI-1	Furnish and Install Mature Live Oaks (18'x8"@6" cal. soil & mulch is included in Allowance Cost)	50	EA	\$ 500.00	\$ 25,000.00
LI-2	Furnish and Install Mature Live Oaks (24'x12"@10" cal. soil & mulch is included in Allowance Cost)	175	EA	\$ 2,000.00	\$ 350,000.00
LI-3	Furnish and Install Complete Groundcover (plant, soil & mulch is included in Allowance Cost)	1	LS	\$ 250,000.00	\$ 250,000.00
LI-4	Furnish and Install Complete Irrigation System Including MDWASD Installation Charge and associated Coordination	1	LS	\$ 550,000.00	\$ 425,000.00
<b>Subtotal:</b>					<b>\$ 1,050,000.00</b>
GENERAL ITEMS					
Item	Description	Quantity	Unit	Unit Price	Price
G-1	Dust Control	1	LS	\$ 200,000.00	\$ 200,000.00
G-2	Maintenance of Traffic (+/-5% of Roadway costs)	1	LS	\$ 300,000.00	\$ 300,000.00
G-3	Performance and Payment Bond (2%)	1	LS	\$ 400,000.00	\$ 400,000.00
G-4	Project Sign (F & I)	2	LS	\$ 2,000.00	\$ 4,000.00
G-6	Contingency	1	LS	\$ 2,000,000.00	\$ 2,000,000.00
<b>Subtotal:</b>					<b>\$ 2,904,000.00</b>

Notes:

Cost Estimates based upon conceptual drawings developed following the FIU School of Architecture University City Charrette and shall be used for preliminary project estimates. Quantities are preliminary. Prices reflect recent bid prices, FDOT basis of estimating documentation, and professional experience.

<b>Total Construction Costs:</b>	\$	16,750,000.00
<b>Property Acquisition for Parking Garage and Plaza:</b>	\$	1,500,000.00
<b>Architecture/Engineering and Permitting:</b>	\$	1,750,000.00

<b>CHIPA Project Total:</b>	<b>\$ 20,000,000.00</b>
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Total Soft Costs:	\$	4,654,000.00
Total Construction Only Cost:	\$	15,346,000.00
<b>Total Construction Labor Costs:</b>	<b>\$</b>	<b>3,069,200.00</b>
Total Infrastructure Cost:	\$	12,276,800.00