



Partners for a Better Quality of Life

March 17, 2020

Sean Reich, P.E., PMP
Project Manager
City of San Antonio
Transportation & Capital Improvements
114 W. Commerce Street, 5th Floor
San Antonio, Texas 78283

Re: Proposal for Engineering Services VIA EMAIL ONLY
Downtown Streets-Commerce Street (Plans & Specs_Concept) Revision

Dear Mr. Reich:

CP&Y, Inc in association with our Team is pleased to submit this revised lump sum proposal for additional design/engineering services to the City of San Antonio TCI Department for the above referenced project. The Service Fee of \$295,664.83 is summarized below. This Proposal will include the 95% Plan development, Bid Phase, and Construction Phase Services. We propose a not to exceed fee to be paid as shown in the table below. Payment will be made as work is completed and approved.

Scope	Provider	Description	Unit Cost	Fee
Project Management/Roadway/TCP/Drainage	CP&Y	Revision of plans for updated streetscape/landscape concept		\$106,428.00
Streetscape/Landscape/Stakeholder Coord.	MIG	Revision of plans for updated streetscape/landscape concept		\$97,275.00
Traffic Signals/ITS Layouts/Signing/Striping	GDA	Revision of plans for updated streetscape/landscape concept		\$34,061.83
Lighting	HM3	Revision of plans for updated streetscape/landscape concept		\$54,800.00
Irrigation	Garza	Revision of plans for updated streetscape/landscape concept		\$3,100.00
			TOTAL	\$295,664.83

Attached, please find a copy of the detailed proposal for the work from CP&Y and our Team for your review.



Please let me know as soon as you are available to review these documents. I look forward to hearing from you soon and the start of the development of the plans for this project. If you have any questions or concerns, please do not hesitate to contact me at 210.494.8004 or jaguilar@cpyi.com.

Respectfully,
CP&Y, Inc.



Jaime Aguilar, PE
Project Manager/Associate Vice President

**City of San Antonio – Transportation & Capital Improvements
Commerce Street Downtown - Design Phase Scope of Services**

The Downtown Streets - Commerce project proposes to completely reconstruct Commerce Street to include wider sidewalks and 3 travel lanes (13' lane, 10' lane, and 11' lanes) from St. Mary's Street to Santa Rosa Avenue, to include lighting, street furnishings, landscaping, and potentially parking spots. This project is within the City limits of San Antonio.

A Preliminary Engineering Report will not be included as part of this project scope, but preliminary typical sections will be provided to determine the width of the sidewalks.

The scope proposed below will be utilized to supplement the revised Design Scope approved on July 2017. Updates since original project scope:

- Original Design – August 2013
- Supplemental to increase scope to complete reconstruction versus only north side – January 2015
- Supplemental to revise typical section west of Camaron to Santa Rosa from 13' lane – 10' lane – 11' lane to 12' lane – 10' lane – 10' lane, restart project after a 2 year hold, and update for Structural design – July 2017

Comments/direction were provided at a meeting with the CoSA & Centro SA on Tuesday March 3, 2020 to move forward with the updated streetscape/landscape concept. This new concept will require some realignment and update of all lighting and irrigation. Supplemental will include a resubmittal of the 95% plan set, Bid Phase, and Construction Phase Services.

1. Project Management and General Items/Miscellaneous

1.3 General Sheets

- 1.3.1 Update Title Sheet
- 1.3.2 Update Index of Sheets
- 1.3.3 Update Project Layouts

1.4 Design Meetings

1.5 Prepare Meeting Minutes

2. Right of Way Surveying/Topographic Survey/Base Mapping (CDS Muery)

No additional work anticipated.

3. Base Mapping (CDS Muery, unless otherwise noted.)

No additional work anticipated.

**City of San Antonio – Transportation & Capital Improvements
Commerce Street Downtown - Design Phase Scope of Services**

4. Roadway and Drainage Design

Updates to Typical Sections, Horizontal Alignments, Roadway Profile, Street Cross Sections, and Plan Profile Sheets to match new typical section.

5. Drainage Design

Updates to drainage design to match new typical section.

6. Pavement Design (Arias & Associates)

No additional work anticipated.

7. Utility Coordination/Management

Evaluate utility conflicts to match new typical section.

8. Traffic Control Plan

Update TCP Typical, Construction Phasing, and TCP Layouts to match new typical section.

9. Other Plans

Traffic Signal Plans (GDA Associates, LLC)

9.1. Update Traffic Signal plans and details to match new typical section.

Pavement Marking and Signing Plans (GDA Associates, LLC)

9.2. Update Pavement Marking and Signing Layouts to match new typical section.

SW3P Plans

No additional work anticipated.

Landscape and Illumination Plans (MIG/HM3/Garza Consulting)

9.3. Update Illumination/Tree Plans/Streetscape/Landscape/Irrigation plans to match new typical section and project limits.

Structural Design/Analysis/Plans

Update structural details for VIA bus stop on San Antonio River bridge

9. Engineer's Opinion of Probable Cost

**City of San Antonio – Transportation & Capital Improvements
Commerce Street Downtown - Design Phase Scope of Services**

Update OPC to match new typical section and project limits.

10. Meetings and Coordination

Additional meetings and coordination.

11. Bid Phase

Update Final Plan submittal to match new typical section and project limits.

12. Construction Phase

Construction Phase Services for CP&Y, MIG, and HM3.

13. Project Closeout

See MIG Scope/Fee

City of San Antonio - Transportation & Capital Improvements

Design Guidance Manual

FEE SUMMARY AND TIMELINE FOR PROFESSIONAL SERVICES

Project: **Downtown Streets -Commerce Street**
 Prime Consultant: **CP&Y, Inc.**
 Subconsultant: **MIG, GDA, HM3, Garza Irrigation**
 Proposal Date: **3/17/2020**
 Prepared By: **Jaime Aguilar**

Scope of Work:
 The Downtown Streets - Commerce project proposes to completely reconstruct Commerce Street to include wider sidewalks and 3 travel lanes from St. Mary's Street to Laredo Street, to include lighting, street furnishings, landscape, and potentially parking spots.

ACTIVITY	TIMELINE (CALENDAR DAYS)	AMENDMENT #16 CONCEPT CHANGE FEE
40% Design Phase	75	\$0.00
1. CP&Y		\$0.00
2. Altura Solutions, LLC		\$0.00
3. Arias & Associates		\$0.00
4. CDS Muery		\$0.00
5. Cobb Fendley		\$0.00
6. Gonzalez-De La Garza		\$0.00
7. Terra Design Group		\$0.00
8. WRZG Architects		\$0.00
70% Design Phase	65	\$0.00
1. CP&Y		\$0.00
2. Altura Solutions, LLC		\$0.00
3. Arias & Associates		\$0.00
4. CDS Muery		\$0.00
5. Cobb Fendley		\$0.00
6. Gonzalez-De La Garza		\$0.00
7. Terra Design Group		\$0.00
8. WRZG Architects		\$0.00
95% Design Phase	42	\$180,494.83
1. CP&Y		\$53,608.00
2. Altura Solutions, LLC		\$0.00
3. Arias & Associates		\$0.00
4. CDS Muery		\$0.00
5. Cobb Fendley		\$0.00
6. Gonzalez-De La Garza		\$34,061.83
7. MIG		\$50,525.00
8. HM3		\$39,800.00
9. Garza Consulting		\$2,500.00
Bid Phase	19	\$36,473.00
1. CP&Y		\$12,228.00
2. Altura Solutions, LLC		\$0.00
3. Arias & Associates		\$0.00
4. CDS Muery		\$0.00
5. Cobb Fendley		\$0.00
6. Gonzalez-De La Garza		\$0.00
7. MIG		\$24,245.00
8. HM3		\$0.00
9. Garza Consulting		\$0.00
Construction Phase		\$78,697.00
1. CP&Y		\$40,592.00
2. Altura Solutions, LLC		\$0.00
3. Arias & Associates		\$0.00
4. CDS Muery		\$0.00
5. Cobb Fendley		\$0.00
6. Gonzalez-De La Garza		\$0.00
7. MIG		\$22,505.00
8. HM3		\$15,000.00
9. Garza Consulting		\$600.00
BASE FEE TOTAL	201	\$295,664.83
Additional Services and Allowances		
1. Optional Service 1 (SUE Level B) (Cobb Fendley/CPY)		
2. Optional Service 2 (SUE Level A) (Cobb Fendley/CPY)		
3. LID Design (Terra Design/CPY)		\$0.00
4. Project Advisor (WRZG)		
5. SAWS Utility Services (CAS/CPY) (NO COSA FEE)		
6. Design Workshop (CPY/Terra Design Group)		\$0.00
7. Animated Project Fly Through (CPY/Terra Design Group)		\$0.00
ADDITIONAL SERVICES TOTAL		\$0.00
GRAND TOTAL		\$295,664.83

City of San Antonio - Transportation & Capital Improvements

Design Guidance Manual

PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: **Downtown Streets -Commerce Street**
 Prime Consultant: **CP&Y, Inc.**
 Subconsultant: **MIG, GDA, HM3, Garza Irrigation**
 Proposal Date: **3/17/2020**
 Prepared By: **Jaime Aguilar**

Insert Positions As Required ----->
 Insert Approved Hourly Rate for Each Position ----->

TASK CODE AND DESCRIPTION	Consultant Provider	Principal \$200.00	Project Manager \$165.00	Senior Engineer \$160.00	Senior Structural Engineer \$165.00	Structural Engineer \$140.00	Project Engineer \$125.00	EIT III \$100.00	Eng Tech III \$93.00	Admin/Clerical \$65.00	TASK / PHASE		
											HOURS	HOURS	HOURS
95% Design		0	48		6		4	108	316	10		516	\$180,494.83
01. Project Management and General Items	CP&Y		48		6		4	108	316	10		48	\$7,920.00
01.030. General Sheets - Index, Summaries / Quantities, Notes	CP&Y								8	10		18	\$1,394.00
01.040. Design Review Meeting	CP&Y											0	\$0.00
01.050. Prepare Meeting Minutes	CP&Y											0	\$0.00
01.060. Project Schedule (Includes Construction)	CP&Y											0	\$0.00
01.070. General Admin/Perform QA/QC (See Gonzalez-De La Garza Scope/Fee)	GDA											0	\$5,757.52
04. Roadway Design	CP&Y											0	\$0.00
04.010. Typical Sections - Existing and Proposed	CP&Y								4			4	\$372.00
04.020. Horizontal Roadway Alignments	CP&Y								8			8	\$744.00
04.030. Roadway Profiles	CP&Y								12			12	\$1,116.00
04.040. Street Cross Sections	CP&Y							24	56			80	\$7,608.00
04.050. Plan and Profile Sheets (Intersection Layouts/Removals/Historic Preservation)	CP&Y							32	144			176	\$16,592.00
04.070. Driveway Summary Sheet	CP&Y								4			4	\$372.00
05. Drainage Design	CP&Y											0	\$0.00
05.020. Design Storm Drain Facilities (Plan and Profile)	CP&Y											0	\$0.00
05.020.010. Roadways and Storm Drain System	CP&Y						4	16				20	\$2,100.00
05.020.020. Finalize LID Storm Drain Design (Optional Service)	CP&Y											0	\$0.00
07. Utility Coordination / Management	CP&Y											0	\$0.00
07.010. Utility Basemap	CP&Y											0	\$0.00
07.020. Utility Coordination (Section 5.0 of the DGM)	CP&Y							10	16			26	\$2,488.00
07.030. Incorporate Joint-Bid Utility Plans	CP&Y											0	\$0.00
08. Traffic Control Plan	CP&Y											0	\$0.00
08.010. Construction Phasing Typical Sections	CP&Y								4			4	\$372.00
08.020. Construction Phasing and Sequence of Work	CP&Y								4			4	\$372.00
08.040. Construction Phasing Layouts	CP&Y							12	40			52	\$4,920.00
08.050. Detour and Barricade Plans	CP&Y											0	\$0.00
08.060. Temporary Traffic Signal Plans (See GDA Scope/Fee)	GDA											0	\$0.00
09. Other Plans												0	\$0.00
09.030. Traffic Signal Plans (See GDA Scope/Fee)	GDA											0	\$25,145.28
09.050. Pavement Marking and Signing Plan (See GDA Scope/Fee)	GDA											0	\$3,159.03
09.060. SW3P Plan	CP&Y											0	\$0.00
09.060.010. Finalize SW3P Narrative	CP&Y											0	\$0.00
09.060.020. Finalize SW3P Layouts	CP&Y							8				8	\$800.00
09.060.030. Finalize SW3P Details and Standard Sheets	CP&Y											0	\$0.00
09.060.020. Finalize Quantities and Prepare Summary Tables	CP&Y							2				2	\$200.00
09.080. Landscaping Plans/Illumination Plans												0	\$0.00
09.080.010. Streetscape/Landscape (MIG Scope/Fee)	MIG												\$50,525.00
09.080.020. Illumination/Lighting (HM3 Scope/Fee)	HM3												\$39,800.00
09.080.030. Irrigation (Garza Scope/Fee)	Garza												\$2,500.00
09.090. Details and Specifications	CP&Y											0	\$0.00
09.090.010. Special Details	CP&Y								8			8	\$744.00
09.090.020. List of Governing Specifications	CP&Y											0	\$0.00
09.090.030. Special Provisions	CP&Y											0	\$0.00
09.090.040. Special Specifications	CP&Y											0	\$0.00
09.100. Structural Design/Analysis	CP&Y											0	\$0.00
09.100.010. Site Visit	CP&Y											0	\$0.00
09.100.020. San Antonio River Bridge Analysis/Design Sidewalk	CP&Y				2	12						14	\$2,010.00
09.100.030. Miscellaneous Site Details Analysis/Review	CP&Y											0	\$0.00

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Design Guidance Manual

PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: **Downtown Streets -Commerce Street**
 Prime Consultant: **CP&Y, Inc.**
 Subconsultant: **MIG, GDA, HM3, Garza Irrigation**
 Proposal Date: **3/17/2020**
 Prepared By: **Jaime Aguilar**

Insert Positions As Required ----->
 Insert Approved Hourly Rate for Each Position ----->

		Consultant Provider	Principal \$200.00	Project Manager \$165.00	Senior Engineer \$160.00	Senior Structural Engineer \$165.00	Structural Engineer \$140.00	Project Engineer \$125.00	EIT III \$100.00	Eng Tech III \$93.00	Admin/Clerical \$65.00	TASK HOURS	TASK / PHASE FEE
TASK CODE AND DESCRIPTION			HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE
	09.100.040	Screen Walls Type A/B/C/D/E Analysis/Design										0	\$0.00
	09.100.050	Information Kiosk Analysis/Design										0	\$0.00
	09.100.060	Bus Stop Analysis/Design				4	12					16	\$2,340.00
	09.100.070	Light Tower (Santa Rosa/Commerce) Analysis/Design										0	\$0.00
	09.100.080	Special Specifications										0	\$0.00
10.		Engineer's Opinion of Probable Cost										0	\$0.00
	10.010.	Prepare Engineer's Opinion of Probable Cost						4		8		12	\$1,144.00
11.		Communications										0	\$0.00
	11.020.	Public Meeting and Exhibits										0	\$0.00
	11.030.	Stakeholder Meetings										0	\$0.00
14.		Environmental and Regulatory Coordination										0	\$0.00
	14.010.	General Environmental Coordination										0	\$0.00
	14.050.	TDLR Design Approval										0	\$0.00
Bid Phase			0	32	0	0	0	0	36	36	0	104	\$36,473.00
12.		Bid Phase											
	12.010.	Submit 100% Plans With All Joint-Bid Utilities		24					24	24		72	\$8,592.00
	12.020.	Final Project Specifications Book										0	\$0.00
	12.030.	Finalize Constructability Issues										0	\$0.00
	12.040.	Review Utility Conflict Report and Address Pending Items										0	\$0.00
	12.050.	Attend 100% Review Meeting										0	\$0.00
	12.060.	Assist the City in Preparing Advertising Documents										0	\$0.00
	12.070.	Distribute Plans and Specifications to Contractors and Plan Rooms										0	\$0.00
	12.080.	Attend Pre-Bid Meeting										0	\$0.00
	12.090.	Respond to Contractor Questions		8					12	12		32	\$3,636.00
	12.100.	Prepare and Distribute Necessary Addenda										0	\$0.00
	12.110.	Prepare Bid Tabulation and Letter of Recommendation										0	\$0.00
	12.120	Bid Phase/Construction Docs (See MIG Scope/Fee)	MIG									0	\$24,245.00
Construction Phase			0	160	0	0	0	40	8.5	59	32	299.5	\$78,697.00
13.		Construction Management											
	13.010.	Reestablish Project Control Points for Contractor Prior to Construction	CDS									0	\$0.00
	13.020.	Review Contractor Pay Estimates (12 est.)	CP&Y	36							12	48	\$6,720.00
	13.030.	Review / Negotiate Change Orders	CP&Y	12								12	\$1,980.00
	13.040.	Review Shop Drawings	CP&Y	16				30	4.5	27		77.5	\$9,351.00
	13.050.	Respond to RFIs	CP&Y	10				10	4	12		36	\$4,416.00
	13.060.	Project Site Visits and Reports (Minimum Two Per Month)	CP&Y	72						12	20	104	\$14,296.00
	13.070.	Participate in Construction Progress Meetings and Prepare Meeting Minutes (Coincide With 13.6 When Possible)	CP&Y									0	\$0.00
	13.080.	Final Walkthrough and Punchlist Review	CP&Y	8						8		16	\$2,064.00
	13.090.	TDLR Inspection (See Altura Solutions Scope/Fee)	CP&Y/Alturra	6								6	\$1,765.00
	13.100	Construction Admin (See MIG Scope/Fee)	MIG									0	\$22,505.00
	13.110	Construction Admin (See Garza Scope/Fee)	Garza									0	\$600.00
	13.120	Construction Admin (See HM3 Scope/Fee)	HM3									0	\$15,000.00
Project Closeout			0	0				0	0	0	0	0	\$0.00
14.		Project Closeout											
	14.010.	Prepare Record Drawings										0	\$0.00
	14.020.	Final Warranty Inspection										0	\$0.00

City of San Antonio - Transportation & Capital Improvements

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 Proposal Date: **3/17/2020**
 Prepared By: **Jaime Aguilar**

Insert Positions As Required ----->
 Insert Approved Hourly Rate for Each Position ----->

TASK CODE AND DESCRIPTION	Consultant	Principal	Project Manager	Senior Engineer	Senior Structural Engineer	Structural Engineer	Project Engineer	EIT III	Eng Tech III	Admin/Clerical	TASK HOURS	TASK / PHASE
	Provider	\$200.00	\$165.00	\$160.00	\$165.00	\$140.00	\$125.00	\$100.00	\$93.00	\$65.00		FEE
TOTAL BASE FEE WITH HOUR BREAKDOWN	0		240	0	6	0	44	152.5	411	42	919.5	\$295,664.83
Additional Services												
List additional services as scoped. Examples include Geotech and SUE.												
Additional Services											0	\$0.00
SUE												
Opt 1 Management of SUE Level B Services	CP&Y										0	\$0.00
Opt 2 Management of SUE Level A Services	CP&Y										0	\$0.00
LID Design												
Opt 3 Finalize LID Storm Drain Design	CP&Y										0	\$0.00
Project Advisor												
Opt 4 Project Advisor	WRZG/CPY										0	\$0.00
SAWS Utility Services												
Opt 5 SAWS Utility Engineering	CAS/CPY											\$0.00
Opt 7 Animated Project Fly-Through	TDG/CPY										0	\$0.00
TOTAL ADDITIONAL SERVICES FEE WITH HOUR BREAKDOWN			0	0	0	0	0	0	0	0	0	\$0.00



M O O R E I A C O F A N O G O L T S M A N , I N C .

January 9th, 2020

Jaime Aguilar, P.E.
One Countryside Place
12500 San Pedro, Ste 450
San Antonio, TX 78216

Dear Jaime,

Please review our Proposal for design services for San Antonio's Commerce Street improvements from St. Mary's to Laredo St. Based on discussions with CP&Y and City Staff, MIG proposes the following Scope of Work.

SCOPE OF WORK

- Pedestrian Streetscape design drawings, specifications and costs, which will address materials, color and finish information for pedestrian paving areas, as well as the dimensional location of site furnishings (e.g., seating, tree grates, stormwater grates, planters, wayfinding). [MIG assumes CP&Y will provide any dimension plans for pedestrian paving areas]
- Planting design drawings, specifications and costs

The following phase and task descriptions describe this scope in greater detail.

Phase 03: 100% Construction Documents

TASK 03.01 Ongoing Project Coordination and Management

MIG expects to participate in telephone coordination calls with CP&Y and City staff (the budget assumes (8) one-hour phone calls.

TASK 03.02 Preparation of 100% Construction Documents

MIG will prepare Construction Documents for their work at a 100% completion level. The 100% Drawings will show the extent of planted areas with the locations of trees and plants and the extent of pedestrian paving with locations of site furnishings. The 100% Technical Specifications will be related to the work described in the drawings. MIG will provide a Summary of Quantities for pedestrian streetscape and planting items to be referenced with the Contractor's unit prices for an Estimate of Probable Cost.

03.021 100% Pedestrian Streetscape and Planting Plans

MIG will prepare 100% Pedestrian Streetscape, & Planting Plans and Details. Work will include the following at approximately the 100% completion level:

- Pedestrian streetscape plans

- Planting plans and details.
- Site furnishings and special paving construction details.

03.022 100% Pedestrian Streetscape Enlarged Detail Plans

MIG will develop enlarged detail plans for up to 5 special design areas, or areas where greater detail is needed to clarify design intent. MIG will coordinate with GDU to develop schematic level drawings for a Zona Cultural specific bus shelter to be further developed and installed by VIA. VIA will prepare the final bus shelter drawings and specifications and provide for construction and maintenance of a Zona Cultural specific bus shelters. Should VIA decide to utilize their existing standard bus shelter, the Zona Cultural bus shelters shall have a specialty graphic overlay signifying their location within the Zona Cultural.

03.023 100% Tree Protection and Mitigation Plans

Using survey data provided by the project surveyor, MIG will prepare a tree protection and mitigation plan. The tree affidavit, tree protection plan and details for this task include:

- Calculation of Existing Tree Canopy (based on tree survey provided by others)
- Tree Preservation Plan including tables and details
- Tree protection specifications or use of standard City specifications
- Tree Affidavit for submittal with permit application

03.024 100% Coordination with Civil, Lighting & Irrigation Design

MIG will coordinate planting and irrigation design with other disciplines as needed to minimize conflicts.

03.025 100% Pedestrian Streetscape and Planting Technical Specifications and Product Data

MIG will prepare the Technical Specification sections for pedestrian streetscape and planting and coordinate irrigation specifications at a 100%-level. MIG will prepare 100% Technical Specifications related to the work described in the landscape drawings not covered by the City's standard specifications.

03.026 Pedestrian Streetscape and Planting Estimate of Probable Cost

MIG will prepare a Summary of Quantities (in Excel sheet format) for items related to planting, site furnishings, and specialty items related to paving design. MIG will prepare a 100%-level Opinion of Probable Construction Costs for the pedestrian streetscape and planting items based on the plans, details, and list of quantities to be referenced with the Contractor's unit prices.

TASK 03.03 Review of 100% Construction Documents

MIG will meet with the Design Team, City Staff and Stakeholders at the completion of the 100% Construction Document phase to review comments. It is assumed that this is one combined meeting and that all comments will be consolidated into one formal word document prepared by the City, for response from Consultants. It is also anticipated any redlined drawings will represent the consolidated comments from the City and will be available at that meeting. MIG will respond to the written comments as part of this phase.

MIG will provide CP&Y with one full-size (11x17) electronic .pdf of the 100% Submittal copies.

TASK 03.04 GDU Review and Design Services

Please see attachment for detailed information on scope of work.

Phase 04: Bid Phase (Construction Documents Bid Set)

TASK 04.01 Ongoing Project Coordination and Management

MIG expects to participate in telephone coordination calls with CP&Y and City staff (the budget assumes (4) one-hour phone calls). In addition, MIG assumes no on-site design coordination meetings during the Bid phase.

TASK 04.02 Preparation of Bid Construction Documents

MIG will prepare Bid Construction Documents (Bid Set) for bidding. The Bid Set will show the extent of planted areas with the locations of trees and plants and the extent of pedestrian paving with locations of site furnishings. The Bid Technical Specifications will be related to the work described in the drawings.

04.021 Bid Set Pedestrian Streetscape and Planting Plans

MIG will prepare Bid Set Pedestrian Streetscape & Planting Plans and Details. Work will include the following for bid-level completion:

- Pedestrian streetscape plans and details.
- Site furnishings and special paving construction details.
- Planting plans and details.

04.022 Bid Set Pedestrian Streetscape Enlarged Detail Plans

MIG will prepare enlarged detail plans for up to 5 special design areas, or areas where greater detail is needed to clarify design intent.

04.023 Bid Set Tree Protection and Mitigation Plans

Based on the City's review of the 100% Tree Protection and Mitigation Plans, MIG will prepare the Bid Set tree protection and mitigation plan. The tree affidavit, tree protection plan and details for this task include:

- Calculation of Existing Tree Canopy (based on tree survey provided by others)
- Tree Preservation Plan including tables and details
- Tree protection specifications or use of standard City specifications
- Tree Affidavit for submittal with permit application

04.024 Bid Set Coordination with Civil, Lighting & Irrigation Design

MIG will coordinate planting with civil, irrigation, and lighting disciplines as needed to minimize conflicts.

04.025 Bid Set Pedestrian Streetscape and Planting Technical Specifications and Product Data

MIG will prepare the Technical Specification sections for pedestrian streetscape and planting and coordinate irrigation specifications for bidding.

04.026 Pedestrian Streetscape and Planting Estimate of Probable Cost

MIG will prepare a Summary of Quantities (in Excel sheet format) for items related to planting, site furnishings, and specialty items related to paving design. MIG will prepare a bid-level Opinion of Probable Construction Costs for the pedestrian streetscape based on the plans, details, and list of quantities to be referenced with the Contractor's unit prices.

TASK 04.03 Attend Meeting with Contractor

MIG will provide one representative to attend a meeting with the Contractor and provide technical support regarding the information provided in the Bid Documents.

TASK 04.04 Furnish Plans for Issuance

MIG will package the Landscape Bid Documents, which includes Plans and Technical Specifications. MIG will provide CP&Y with a PDF copy of the Plans and Technical Specifications for inclusion in the Bid Package.

TASK 04.05 Respond to RFIs and Prepare Addenda (Up to 2 Addenda)

MIG will provide technical assistance to CP&Y to coordinate issues and provide clarifications as needed during the bid period. MIG will prepare technical clarifications, responses to Contractor Requests for Information (RFIs) and submittals, and/or information to CP&Y for packaging and distribution. At CP&Y's request, MIG will also prepare or assist CP&Y in preparing addenda to the Construction Contract Documents. The City will sign and issue any addenda to the plan holders.

Phase 05: Construction Administration

TASK 05.01 Attend Meeting with Contractor

MIG's Principal and Project Manager will attend a pre-construction meeting to answer questions and provide clarification regarding the Site Landscape Plans.

TASK 05.02 RFI, Shop Drawing and Submittal Review and Response

MIG will assist CP&Y with the resolution of conflicts and prepare clarifications and/or interpretations of the Construction Documents prepared by MIG. MIG will respond in writing for up to (6) Contractor RFIs. MIG will review and comment on shop drawings, samples and submittals related to MIG's work as described in the Drawings and Specifications.

TASK 05.03 Change Orders and Field Alterations

MIG will provide information for up to (6) items related to MIG's Scope of Work for CP&Y's use in completing change orders/field alterations.

TASK 05.04 Project Site Visits and Reports (Up to 6)

MIG will observe the progress of the executed work and describe, in general, the work and its status in relation to the Plans and Specifications. MIG will provide CP&Y with a summary of observations, issues, and concerns noted during each site visit. MIG shall not be required to make exhaustive or continuous on-site inspections to check the quality and quantity of the work. MIG shall not be responsible for the means, methods, techniques, sequences or procedures of construction of the Contractor or the safety precautions and programs of the Contractor. MIG shall not be responsible for the failure of the Contractor to perform the construction work in accordance with Plans and Specifications and the Contractor's contract.

TASK 05.05 Final Walkthrough and Punchlist

MIG will assist CP&Y in conducting final observations and prepare a list of construction deficiencies noticed on the visit for resolution by the Contractor.

TASK 05.05 TDLR Inspection

MIG attend (1) walk-through with TDLR inspector.

TASK 05.06 Public Meeting

MIG will attend (1) public meeting. Meeting is assumed to be organized and facilitated by City.

Phase 06: Project Closeout

TASK 06.01 Prepare Record Drawings

After completion of the work, and before final payment to the Contractor, MIG will receive the Contractor's as-constructed red-line "As-Built Drawings" provided by the City/CP&Y.

After receiving the As-Built Drawings, MIG will incorporate redlines related to MIG's work to CAD files of the Bid Documents. MIG will provide CP&Y with one PDF copy and one CAD format electronic file of these Project Record Drawings. MIG shall not be held liable for the information supplied by the Contractor and/or City Representative.

TASK 06.02 Final Warranty Inspection

MIG will provide one representative to attend the warranty walk-through at the project completion.

Additional Services

Work Not Included in this Proposal

All services not included in the above Scope of Work will be billed as Additional Services at the hourly rates described in the proposal, following approval by CP&Y. This proposal does not include work related to:

- Additional meetings, exhibits, deliverables, etc.
- Additional specifications than the technical specifications that relate to the work shown in the drawings
- Revisions to work following approval of that phase of work by the City
- Photo simulations and renderings
- Content of wayfinding elements
- Grading and drainage
- Demo work required for construction improvements
- Traffic engineering, painting and striping, etc.
- Civil engineering, Hydrology and Hydraulics
- Structural engineering
- Geotechnical engineering
- Electrical engineering and lighting design
- Irrigation Design
- Pumps and filtration systems for irrigation system
- Bus shelter drawings and specifications
- Signage and graphic design
- Permitting submittals in excess of those listed above and for agency review outside of COSA (e.g. TXDOT, FEMA)
- TDLR reviews and inspections

Assumptions

Permitting

It is our understanding that the project will be permitted within City of San Antonio and will not require TXDOT approvals. If required, MIG can provide TXDOT permit submittals as an additional service.

Project Approval

Commerce Street Scope of Work

Thank you for this opportunity to be of service. Please call us if you have any questions or comments relative to the Scope or Fee. To confirm your approval of this proposal and initiate our work on the Project, please sign this letter and return it to us. Please retain a copy for your records.

Sincerely,

Mukul Malhotra
Principal
MIG

CLIENT

CP&Y

MIG, Inc.

Printed Name

Printed Name

Signature

Signature

Title

Title

Date Signed

Date Signed

City of San Antonio - Capital Improvements Management Services Department

Design Guidance Manual

PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: DOWNTOWN STREETS - COMMERCE STREET: ST. MARY'S TO LAREDO STREET
 Prime Consultant: CP&Y
 Subconsultant: MIG, Inc.
 Proposal Date: 1/9/2020
 Prepared By: NR, CC, MM

TASK CODE AND DESCRIPTION	Principal / Proj. Manager	QA/QC / Eng. Coord.	LA QA/QC	Landscape Designer	Urban Designer	Project Associate	Admin	TASK HOURS	TASK / PHASE FEE
	\$250.00	\$160.00	\$130.00	\$115.00	\$110.00	\$90.00	\$85.00		
100% Design Phase 3: 100% Construction Documents	24	17	9	83	17	56	4	210	\$44,305
03. 100% Construction Documents									
03.01. Ongoing Project Coordination & Management (Assumes 8 Phone Conferences/Calls; 0 on-site Mtg.)	8	4		12			4	28	\$4,360
03.02. Preparation of 100% Construction Documents									
03.021. 100% Pedestrian Streetscape and Planting Plans	2	1	2	16	8	20		49	\$5,440
03.022. 100% Pedestrian Streetscape Enlarged Detail Plans (up to 5)	2	1	1	24	8	24		60	\$6,590
03.023. 100% Tree Protection and Mitigation Plans	2		1	2		4		9	\$1,220
03.024. 100% Coordination with Civil, Lighting, and Irrigation Design	2	1		4	1	2		10	\$1,410
03.025. 100% Pedestrian Streetscape and Planting Technical Specs.	2	2	4	16				24	\$3,180
03.026. 100% Pedestrian Streetscape and Planting Estimate of Probable	2	4		2		6		14	\$1,910
03.03. Review of 100% Construction Documents									
3.031. Meeting to review City comments	2	2	1	4				9	\$1,410
3.032. Response to City Comments	2	2		3				7	\$1,165
3.04. GDU Review and Design Services									\$17,620
Bid Phase Phase 4: Construction Documents Bid Set	16	15	9	85	17	54	2	198	\$24,245
04. Construction Documents Bid Set									
04.01. Ongoing Project Coordination & Management (Assumes 2 Phone Conferences/Calls; 0 on-site Mtg.)	4	2		8			2	16	\$2,410
04.02. Preparation of Bid Construction Documents									
04.021. Bid Set Pedestrian Streetscape and Planting Plans	2	1	1	12	8	20		44	\$4,850
04.022. Bid Set Pedestrian Streetscape Enlarged Detail Plans (up to 5)	1	1	1	20	8	20		51	\$5,520
04.023. Bid Set Tree Protection and Mitigation Plans				1		2		3	\$295
04.024. Bid Set Coordination with Civil, Lighting, and Irrigation Design	1	1		4	1	2		9	\$1,160
04.025. Bid Set Pedestrian Streetscape and Planting Technical Specs.	1	2	4	12				19	\$2,470
04.026. Bid Set Pedestrian Streetscape and Planting Estimate of Probable	1	4	1	2		6		14	\$1,790
04.03. Attend Meeting with Contractor	4			8				12	\$1,920
04.04. Furnish Plans for Issuance		2		2				4	\$550
04.05. Respond to RFIs and Prepare Addenda (up to 2 Addenda)	2	2	2	16		4		26	\$3,280
Construction Phase Phase 5	20	8	5	88	8	8	4	141	\$18,990
05. Construction Administration									
05.01. Attend Meeting with Contractor	2			8			1	11	\$1,505
05.02. RFI, Shop Drawing and Submittal Review and Response (up to 6)	4	4	2	18		4		32	\$4,330
05.03. Change Orders and Field Alterations (up to 6)	2	4	2	20		4		32	\$4,060
05.04. Project Site Visits and Reports (up to 6)	4			32			3	39	\$4,935
05.05. Final Walkthrough and Punchlist	2		1	10				13	\$1,780
05.06. TDLR Inspection	2							2	\$500
05.07. Public Meeting	4				8			12	\$1,880
Project Closeout Phase 6	3	2	2	12	0	8	1	28	\$3,515
06. Project Closeout									
06.01. Prepare Record Drawings	1	1	1	4		8	1	16	\$1,805
06.02. Final Warranty Inspection	2	1	1	8				12	\$1,710
Total Labor - Phases 03 Through 06									\$91,055
Direct Costs - Phases 03 Through 06									\$6,220
TOTAL PHASES 03 THROUGH 06 (Labor + Direct Costs)									\$97,275

City of San Antonio
 Commerce Street (St. Marys to Santa Rosa)
 Manhour Breakdown

Task	Principal	Project Manager	Project Engineer	EIT III	CADD Tech/ Eng Tech	Admin/Clerical	Total Hours
Contract Rate	\$186.12	\$160.81	\$125.00	\$90.40	\$78.92	\$56.58	
Commerce Street							
General							
1. Attend Project Scoping Meeting	0	0	0	0	0	0	0
2. Project Meetings & Coordination	0	2	0	2	0	0	4
3. Site Visits (2 site visits)	0	2	2	2	0	0	6
Subtotals: Man Hours for General	0	4	2	4	0	0	10
Traffic Signal Design @ St. Marys/Commerce St.							
1. Permanent Signalization							
A. Revise Traffic Signal and ITS Layout Sheets	0	1	2	6	6	0	15
B. Revise Traffic Signal Elevation Sheets	0	1	1	4	5	0	11
C. Revise Traffic Signal and ITS Conduit Schedule Plan	0	1	1	3	4	0	9
D. Revise CoSA Standards	0	0	0	1	1	0	2
E. Re-calculate Traffic Signal and ITS Quantities and prepare Summary Sheet	0	1	2	1	1	0	5
Subtotals: Man Hours for Traffic Signal Design	0	4	6	15	17	0	42
Traffic Signal Design @ Soledad St./Commerce St.							
1. Permanent Signalization							
A. Revise Traffic Signal and ITS Layout Sheets	0	1	2	6	6	0	15
B. Revise Traffic Signal Elevation Sheets	0	1	1	4	5	0	11
C. Revise Traffic Signal and ITS Conduit Schedule Plan	0	1	1	3	4	0	9
D. Revise CoSA Standards	0	0	0	1	1	0	2
E. Re-calculate Traffic Signal and ITS Quantities and prepare Summary Sheet	0	1	2	1	1	0	5
Subtotals: Man Hours for Traffic Signal Design	0	4	6	15	17	0	42

**City of San Antonio
Commerce Street (St. Marys to Santa Rosa)**

Manhour Breakdown

Task	Principal	Project Manager	Project Engineer	EIT III	CADD Tech/ Eng Tech	Admin/Clerical	Total Hours
Contract Rate	\$186.12	\$160.81	\$125.00	\$90.40	\$78.92	\$56.58	
Commerce Street							
Traffic Signal Design @ N. Main St./Commerce St.							
1. Permanent Signalization							
A. Revise Traffic Signal and ITS Layout Sheets	0	1	2	6	6	0	15
B. Revise Traffic Signal Elevation Sheets	0	1	1	4	5	0	11
C. Revise Traffic Signal and ITS Conduit Schedule Plan	0	1	1	3	4	0	9
D. Revise CoSA Standards	0	0	0	1	1	0	2
E. Re-calculate Traffic Signal and ITS Quantities and prepare Summary Sheet	0	1	2	1	1	0	5
Subtotals: Man Hours for Traffic Signal Design	0	4	6	15	17	0	42
Traffic Signal Design @ N. Flores St./Commerce St.							
1. Permanent Signalization							
A. Revise Traffic Signal and ITS Layout Sheets	0	1	2	6	6	0	15
B. Revise Traffic Signal Elevation Sheets	0	1	1	4	5	0	11
C. Revise Traffic Signal and ITS Conduit Schedule Plan	0	1	1	3	4	0	9
D. Revise CoSA Standards	0	0	0	1	1	0	2
E. Re-calculate Traffic Signal and ITS Quantities and prepare Summary Sheet	0	1	2	1	1	0	5
Subtotals: Man Hours for Traffic Signal Design	0	4	6	15	17	0	42
Traffic Signal Design @ Cameron St./Commerce St.							
1. Permanent Signalization							
A. Revise Traffic Signal and ITS Layout Sheets	0	1	2	6	6	0	15
B. Revise Traffic Signal Elevation Sheets	0	1	1	4	5	0	11
C. Revise Traffic Signal and ITS Conduit Schedule Plan	0	1	1	3	4	0	9
D. Revise CoSA Standards	0	0	0	1	1	0	2
E. Re-calculate Traffic Signal and ITS Quantities and prepare Summary Sheet	0	1	2	1	1	0	5
Subtotals: Man Hours for Traffic Signal Design	0	4	6	15	17	0	42
Traffic Signal Design @ Laredo St./Commerce St.							

**City of San Antonio
Commerce Street (St. Marys to Santa Rosa)
Manhour Breakdown**

Task	Principal	Project Manager	Project Engineer	EIT III	CADD Tech/ Eng Tech	Admin/Clerical	Total Hours
Contract Rate	\$186.12	\$160.81	\$125.00	\$90.40	\$78.92	\$56.58	
Commerce Street							
1. Permanent Signalization							
A. Revise Traffic Signal and ITS Layout Sheets	0	1	2	6	6	0	15
B. Revise Traffic Signal Elevation Sheets	0	1	1	4	5	0	11
C. Revise Traffic Signal and ITS Conduit Schedule Plan	0	1	1	3	4	0	9
D. Revise CoSA Standards	0	0	0	1	1	0	2
E. Re-calculate Traffic Signal and ITS Quantities and prepare Summary Sheet	0	1	2	1	1	0	5
Subtotals: Man Hours for Traffic Signal Design	0	4	6	15	17	0	42
Signs and Pavement Markings							
1. Signs and Pavement Markings							
A. Revise pavement marking and signs layout	0	1	1	2	4	0	8
B. Revise pavement markings and signs sheets	0	1	1	2	10	0	14
C. Revise Quantities and summary sheets	0	1	1	2	4	0	8
D. Revise CoSA Standards	0	0	0	2	2	0	4
Subtotals: Man Hours for Signs and Pavement Markings	0	3	3	8	20	0	34
Quality Control/Quality Assurance							
1. QC/QA							
A. Review 95% Commerce Street Construction Documents	0	12	0	0	0	0	12
B. Review Commerce Street Bid Documents and provide comments as needed	0	16	0	0	0	0	16
							0
Subtotals: Man Hours for Quality Control/Quality Assurance	0	28	0	0	0	0	28
Totals for General	0	4	2	4	0	0	10
Totals for Traffic Signal Design	0	24	36	90	102	0	252
Totals for Signs and Pavement Markings	0	3	3	8	20	0	34
Totals for Quality Control/Quality Assurance	0	28	0	0	0	0	28
Grand Totals: Man Hours	0	59	41	102	122	0	324

City of San Antonio Commerce Street (St. Marys to Santa Rosa) Manhour Breakdown							
Task	Principal	Project Manager	Project Engineer	EIT III	CADD Tech/ Eng Tech	Admin/Clerical	Total Hours
Contract Rate	\$186.12	\$160.81	\$125.00	\$90.40	\$78.92	\$56.58	
Commerce Street							
Breakdown of Costs for Basic Engineering Services							
Function Code	Design Cost Breakdown	Print / Repro	Travel				TOTAL FEE
Totals for General	\$1,254.84						\$1,254.84
Traffic Signal Design	\$24,545.28						\$24,545.28
Totals for Pavement Markings and Signs	\$3,159.03						\$3,159.03
Totals for Quality Control/Quality Assurance	\$4,502.68						\$4,502.68
Expenses		\$600					\$600.00
Project Totals	\$33,461.83	\$600.00					\$34,061.83
Total Maximum Fee for Basic Engineering Services (GDA)							\$34,061.83



March 5, 2020

CP&Y
 One Countryside Place
 12500 San Pedro, Ste. 450
 San Antonio, TX 78216

Re: Irrigation Re-Design, Commerce Street, Phase I

Mr. Aguilar,

I am pleased to present the following proposal for irrigation design services for the above referenced project. A The scope will include:

Re-design of Commerce St. irrigation, to include deleting of some planting irrigation, design of tree bubbler plan, hydraulic calculations, reassembly of plan sheets, preparation of specifications. Fee does not include Phase II (scope to be determined):

Base Design Hours: 25 Hours
Design Fee: \$2500.00

Garza Consulting reserves the right to update fee should the scope grow beyond what was represented for this proposal. Base fee does not include water harvesting systems, pump systems, requests to convert contractor as built to CAD, LEED calculations or revisions to plan after 100% Construction Documents have been submitted by Garza Consulting.

Construction Services:

This task will include the following services:

- Participation in a pre-construction meeting to answer Contractor questions and to provide clarification to bid documents as required.
- Review of shop drawings, and material submittal, comment, re-review and approval for construction.
- Conduct final walk-through with Contractor to observe completeness of installation and compliance with "punch list" items for Final Acceptance.

Fee: \$500.00

As Built :

Requests to convert contractor as built to CAD file. Garza Consulting seals will be removed.

Fee: \$100.00

Additional Services

Design work requested after 100% Construction Documents have been submitted shall be billed as Additional Services. These services shall be billed at a rate of \$125/hr.

If requested by the Owner's Representative, we will make additional visits to the site during construction to observe progress by the Contractor. A field report will be developed after each visit documenting verbal communication with the Contractor and listing deviations from the contract documents. These services will be charged at our hourly billing rate of \$125/hr.

We request written approval to proceed with this project, however it may be necessary to meet to develop a more definitive scope as you deem necessary. Please call with any questions or comments. I look forward to working with you on this project.

Kind Regards,



Steven A. Garza L.I.

AGREED TO BY:
Authorized Signature

Date