

February 7, 2023

San Luis Department of Public Works  
1090 E. Union Street  
San Luis, Arizona 85349

**Attention: Mr. Manuel Hernandez, Public Works Project Manager**  
**Reference: Engineering Consulting Services for**  
**Avenue F Widening from Juan Sanchez Boulevard to County 23<sup>rd</sup>-½ Street**

Dear Mr. Hernandez,

Nicklaus Engineering, Inc. (Nicklaus) appreciates the opportunity to submit our revised formal proposal for the above-referenced project. It is our understanding that the City of San Luis plans to widen Avenue F from Juan Sanchez Boulevard to County 23<sup>rd</sup>-½.

Our services will include the following:

**TASK 1.0: PROJECT MANAGEMENT**

Our services for Task 1.0 will include the following:

- Coordination with City of San Luis Project Manager
- Project Management during Pre-Design Phase, Design Phase, Bidding Phase, and Post Construction Phase.

**TASK 2.0: PRE-DESIGN PHASE**

Our services for Task 2.0 will include the following:

- Meet with the City of San Luis and other stakeholders to prepare a detailed design schedule.
- Participate in a general Project kick-off meeting.
- Review and comment on Project kick-off meeting minutes.

**TASK 2.1 TOPOGRAPHIC SURVEY**

Our services for Task 2.1 will include the following:

- Survey of existing Right-of-Way (ROW).
- Survey of existing striping and signing.
- Survey of everything near the surface of the roadway including survey markers/pins, manholes, water valves, catch basins, etc.
- Survey to include anything important within 5 feet of the ROW such as fences and walls.
- Survey of existing utilities.
- Coordinate with the City of San Luis to identify where the existing traffic loops are in the pavement, for survey.
- Delivery of Topographic Survey in City of San Luis CAD Criteria format.

**Survey Notes and Exclusions:**

- The proposal does not include boundary survey and/or the setting of survey monuments of the preparation and filing of a Record of Survey for the project site.

- The location of utilities to be those observed or marked on plans supplied by City of San Luis. No location of underground lines by a private utility location service are included in this proposal. Note that 811 utility location services typically only locate and mark underground utilities at construction phase.
- This proposal excludes all fees charged by other entities, if any, that may be required in conjunction with the work, including but not limited to title company fees, city and county fee, if any.
- This proposal does not include the production of legal descriptions or the production of right of way documents and/or any easement documents.

### **TASK 3.0: DESIGN PHASE**

Our services for Task 3.0 will include a 30% (Initial) submittal, 60% (Preliminary) submittal, a 95% (Final) submittal, and a 100% (PS&E) submittal. Services for the Site Design Package will include:

- Coordination with appropriate agencies and utilities.
- Preparation of Utility Supplemental Provisions.
- Reproducible bid schedule necessary to bid and construct the improvements.
- Electronic versions of all plan sheets, technical specifications, supplementary conditions, cross sections and bid schedule in AutoCAD (plan sheets and cross sections) and PDF (all documents) formats on USB drive.

#### **30% (Initial) Design Submittal**

- Final roadway geometry and preliminary roadway plan and profile sheets
- Typical roadway sections
- Location of existing utilities
- Graphic layout of proposed pavement markings
- Initial roadway cross sections at one hundred (100) ft. intervals
- Final survey information
- Initial summary of quantities
- Listing of Technical Specifications and/or Supplementary Conditions anticipated
- Estimate of probable construction cost

#### **60% (Preliminary) Design Submittal**

- Preliminary design sheet(s) with sheet index, general notes, and summary sheets
- Pre-final roadway plan and profile sheets
- Final typical roadway sections
- Preliminary pavement marking plans
- Preliminary roadway cross sections at one hundred (100) ft. intervals
- Preliminary summary of quantities
- Draft Technical Specifications and Supplementary Conditions
- Preliminary Bid Schedule
- Preliminary Lighting Design
- Estimate of probable construction cost

#### **95% (Final) Design Submittal**

- Design sheet(s) with sheet index and general notes
- Summary sheets
- Typical roadway sections
- Roadway plan and profile sheets

- Signing and pavement marking plans
- Roadway cross sections
- Final summary of quantities
- Final design calculations
- Final Lighting Design
- Final Technical Specifications
- Final Supplementary Conditions
- Final Bid Schedule
- Estimate of probable construction cost

**100% (PS&E) Submittal**

- Reproducible set of sealed and signed plans.
- Reproducible set of sealed and signed technical specifications and supplementary conditions.
- Final and complete quantity summaries.
- Final estimate of probable construction cost.

**Civil Design assumptions and exclusions include:**

- Should offsite improvements be required beyond those specifically identified in this proposal we can provide those services under a contract modification.
- Nicklaus will not evaluate existing utilities nor design any new utilities.
- It is assumed that traffic control plans are not required.
- The fee does not include traffic signals or any intersection work. The project limits include south of curb return at the intersection of Avenue F and Juan Sanchez Boulevard, and the north curb return of the intersection of Avenue F and County 23<sup>rd</sup>-½ Street. Therefore, the design of ADA ramps nor traffic signals is part of the project.
- Services do not include evaluation nor improvements to existing offset drainage conditions. As requested by the City of San Luis, it is expected drainage from the roadway improvements will be retained in the drainage swales along the shoulder. All calculations for drainage will be roadway runoff. Offsite is defined as areas outside of the proposed improvements.
- It is assumed no landscaping.

If you have any questions regarding this proposal, please feel free to give me a call at (928) 246-1616 (cell).

Best regards,  
**Nicklaus Engineering, Inc.**



Antonio Alvarez, P.E.  
Vice President



DATE OF PROPOSAL: 2/7/2023

PROJECT:		Task 1		Task 2		Task 3		Task 4		Task 5		Totals		
Roadway Reconstruction and Improvements		Pre-Design Phase & Engineering Programming		Initial Design		Preliminary Design		Final Design		Plans, Specifications & Estimate				
LOCATION:		HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	
Avenue F Widening from Juan Sanchez Boulevard to County 23-1/2														
<b>PART I - Direct Services</b>														
<b>LABOR CATEGORY</b>		<b>RATE</b>												
Principal Engineer		\$211.00	1	\$211	1	\$211	1	\$211	1	\$211	1	\$211	5	\$1,055
Senior Engineer		\$170.00	3	\$510	6	\$1,020	22	\$3,740	10	\$1,700	5	\$850	46	\$7,820
Project Engineer		\$128.00	4	\$512	14	\$1,792	35	\$4,480	38	\$4,864	11	\$1,408	102	\$13,056
Senior Engineering Designer		\$116.00	8	\$928	41	\$4,756	41	\$4,756	26	\$3,016	9	\$1,044	125	\$14,500
Engineering Designer		\$104.00	1	\$104	15	\$1,560	8	\$832	4	\$416	0	\$0	28	\$2,912
Engineering Technician - III		\$82.00	0	\$0	19	\$1,558	13	\$1,066	8	\$656	0	\$0	40	\$3,280
Engineering Technician - II		\$79.00	0	\$0	76	\$6,004	76	\$6,004	50	\$3,950	2	\$158	204	\$16,116
Sub Total Direct Labor			17	\$2,265	172	\$16,901	196	\$21,089	137	\$14,813	28	\$3,671	550	\$58,739
Profit 0.00%				\$0		\$0		\$0		\$0		\$0		\$0
<b>Total Direct Labor &amp; Profit</b>				<b>\$2,265</b>		<b>\$16,901</b>		<b>\$21,089</b>		<b>\$14,813</b>		<b>\$3,671</b>		<b>\$58,739</b>
<b>Other Direct Costs</b>														
Reproduction				\$0		\$209		\$127		\$145		\$95		\$577
<b>Sub Contractors</b>														
Topographic Survey		Desert Surveying		\$0		\$6,000		\$0		\$0		\$0		\$6,000
Electrical Engineering		JOL Enterprises		\$0		\$3,000		\$1,500		\$500		\$250		\$5,250
Sub Total ODCs and Sub Contractors				\$0		\$9,209		\$1,627		\$645		\$345		\$11,827
G&A 6.79%				\$0		\$625		\$111		\$44		\$23		\$803
Profit 5.00%				\$0		\$492		\$87		\$34		\$18		\$632
<b>Total ODCs and Sub Contractors</b>				<b>\$0</b>		<b>\$10,326</b>		<b>\$1,825</b>		<b>\$723</b>		<b>\$387</b>		<b>\$13,262</b>
Travel				\$0		\$0		\$0		\$0		\$0		\$0
<b>Grand Total</b>				<b>\$2,265</b>		<b>\$27,227</b>		<b>\$22,914</b>		<b>\$15,536</b>		<b>\$4,058</b>		<b>\$72,001</b>