



CITY OF CASA GRANDE, ARIZONA

SCOPE OF WORK FOR

Florence Boulevard Streetscape Design Services

August 26, 2021

Prepared by
J2 Engineering and Environmental Design
4649 East Cotton Gin Loop, Suite B2
Phoenix, Arizona 85040

Prepared for
City of Casa Grande, Arizona
510 E. Florence Boulevard
Casa Grande AZ 85122



**Scope of Work for
Florence Blvd Streetscape Design Services
City of Casa Grande**

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August 26, 2021

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DEFINITIONS

The following definitions apply to this Scope of Work:

PRIME CONSULTANT

J2 Engineering & Environmental Design, LLC (J2)

PRIME CONSULTANT AND/OR ITS SUBCONSULTANTS

J2 Team

Team

Design Team

SUB-CONSULTANTS

Dibble Engineering Corporation (Dibble)

Lisa Ranzenberger (LR)

CITY / CLIENT

City of Casa Grande (COCG), (Casa Grande), (City)

ON-SITE

Locations of planned improvements inside the City Right-of-Way

OFF-SITE

Locations outside of the City Right-of-Way

PROJECT

Florence Boulevard Streetscape Design Services, Streetscape Master Plan, Plan, The Project, Streetscape Plan, DCR

BACKGROUND

PROJECT TITLE: Florence Blvd Streetscape Design Services

The City of Casa Grande, Arizona (City) seeks the development of conceptual design work for the Florence Boulevard corridor. The development of the plan involves determining and designing suitable improvements that enhance the streetscape and function of the corridor from Pinal Avenue to I-10. The final deliverable will be summarized in a Design Concept Report (DCR). The overall intent is for the City to be able to fund the complete proposed improvements within 4 to 6 years for final design and construction. Some aspects of the

plan may be funded and constructed sooner. The project will have three design segments included:

- Florence Blvd Downtown Streetscape Design Vision (Pinal to Trekkel)
- Florence Blvd Community Corridor Streetscape Design Vision I (Trekkel to Peart)
- Florence Blvd Community Corridor Streetscape Design Vision II (Peart to I-10)

The scope of work includes, but is not limited to, the following components:

1. Conducting community and stakeholder engagement which includes gathering and incorporating input from Planning Commission, City Council, Arts & Humanities Commission, property owners, business owners, stakeholders and interested residents.
2. Preparation of a corridor base map that includes right-of-way, street dimensions, widths, lane configurations, building footprints, parking areas, utility easements, utilities, Florence Blvd right-of-way encroachments, and aerial land survey.
3. Investigation into existing and future planning documentation to improve urban design, connectivity, accessibility, and streetscape function.
4. Create implementation and conceptual design documentation to improve the streetscape in the Corridor study area. Improvements should incorporate parking solutions, road striping, landscaping, benches, bike racks, lighting, trash receptacles, aesthetics, pedestrian connectivity, and other components that enhance streetscape functionality and beautification. Two (2) streetscape design concepts shall be prepared for City review and stakeholder input; this will provide the basis for the preparation of a single preferred alternative concept design, which will be the basis for the final DCR.
5. Designing / evaluating traffic calming measures as well as parking solutions that could include lane re-configuration and on-street parking.
6. Identifying specific potential future projects that improve the aesthetics of the Corridor to promote economic development and foster community pride.
7. Consideration of gateway signage, public art, and branding strategies that may be able to enhance the identity of the Streetscape shall be evaluated. J2 shall work in partnership with the overall concurrent Gateway Signage Projects contract, which is being led by a separate team per separate City contract.
8. Improving the downtown corridor to enhance and support city events (current and potential future events) such as farmer's markets, vending kiosks, festivals and other large gatherings.
9. The Project shall prioritize projects based on cost effectiveness, timeliness, scale of improvements, public safety, and benefit to the community. Additionally, the plan shall identify cost estimates, phasing, timelines, as well as a process to evaluate successful implementation.
10. For efficiency, Design Team shall coordinate with a stakeholder Technical Team to include City Planning, Public Works, Community Services, and applicable Utility Companies.
11. Part of the conceptual engineering evaluation will be a review of the drainage aspects of the corridor. J2 Team shall make recommendations to help mitigate drainage issues within the Project area.

12. Deliverables shall include: A review of existing conditions, public and stakeholder outreach, and development of a Streetscape master plan design incorporating all scope components. J2 shall produce five (5) complete bound copies of the Final Council-Adopted Streetscape Design Concept Report (DCR) in 11"x17" format. Also included in the final deliverable shall be a PDF digital version of the final DCR. All cadd files, exhibits and mapping shall also be delivered electronically.

13. The J2 Team will provide conceptual design and planning services (Landscape Architecture, Planning, Urban Design, Conceptual Engineering, Signage/Wayfinding/Monumentation, Cost Estimating, and Public/Stakeholder Outreach) to prepare a DCR / implementation document which will summarize the Project efforts.

14. The J2 team shall attend City and public/stakeholder meetings as described herein and as required to complete the Streetscape deliverables. This scope of services includes only conceptual design activities. Contract documents, specifications, and bid-ready drawings are not included in this scope.

Project Boundaries: The Florence Boulevard Streetscape Design will encompass a study area of the Florence Boulevard core, approximately four miles in length, from Pinal Avenue to Interstate 10. The focus of the project shall be within the Florence Blvd. right-of-way zone, however the Team intends to study from 6th Street to 8th Street within the Downtown area (this is about 330 feet north and south of Florence Blvd. in the Downtown between Pinal and Trekkel).

The project is located within the jurisdiction of the City of Casa Grande. J2 shall be aware of the issues surrounding this project and coordinate with all parties involved to minimize future adverse impact to all affected parties.

Project Timeframe: The J2 Team estimates that the Florence Boulevard Streetscape Design activities are anticipated to have a total duration of approximately nine (9) to ten (10) months from Notice to Proceed. Final timeframe will be developed at project initiation when a schedule is discussed and developed with City staff input.

General Requirements:

The conceptual design and planning shall conform to the latest edition and amendments of the following:

- a. City of Casa Grande Standard Details and Specifications
- b. MAG Uniform Standard Specifications and Details (and/or Pinal County standards depending on City directive)
- c. Manual of Uniform Traffic control Devices for Streets and Highways (MUTCD)
- d. AASHTO Policy on Geometric Design of Highways and Streets
- e. The Code of the City of Casa Grande

Data Collection:

City shall provide at no cost to Design Team the following existing information as available, not necessarily limited to:

- a. As-built drawings, pertinent cad and/or GIS data, and Infrastructure data
- b. Related design studies and reports
- c. Geotechnical investigations

- d. Traffic data, projections, and transportation conditions
- e. Environmental conditions
- f. Maintenance records
- g. Drawings of developments planned within the project area
- h. Social, cultural, and historic resources
- i. Transit routes in the corridor area

J2 will collect the following information as part of this data collection:

- a. Conduct a photographic inventory of all business frontages that face onto the streetscapes within the project area, and key photographic record to an aerial of the project corridor.
- b. Conduct a photographic inventory of general residential streetscapes within the project area to obtain residential character, and key photographic record to a current aerial of the project corridor.
- c. Obtain and record information by attending and participating in public and stakeholder involvement meetings scheduled to occur during this phase of work. This includes City staff stakeholder input.
- d. J2 shall keep a log of all documents and information provided by City staff and related stakeholders and data generated and developed by the team for presentation to the City and the public.

Task 1: Project Kickoff and Initial Input Sessions

Project Team will facilitate a kick-off with the City Staff and initial Stakeholder Input. These sessions will be interactive meetings to establish project expectations and seek direction and input regarding key issues that face the streetscape zone. This dialog will help inform the inventory and analysis process and identify key stakeholders that need to be included in the process. The Team and City Staff will leave these sessions with a clear plan for project execution and completion and J2 will be able to immediately begin work.

Kickoff Meeting / Goal Setting Session / Input Sessions

- J2 will attend, lead, and actively participate in one (1) kickoff working meeting in Casa Grande to gather from the City Project Management Team and City Staff their goals and objectives for the project. Overall vision for the corridor, Schedule, Public Involvement Process, and Communication Protocol will be discussed in detail. As part of this meeting, a site tour with City Staff will take place, followed by a brainstorming / wall-mapping session to gather input, ideas, and general concepts for the project.
- J2 Team will conduct site inventory and photographic inventory of the Project area, while field verifying streetscape conditions. Aerial survey will be initiated and coordinated.
- Meetings will be summarized by meeting notes and a project schedule will be issued to the Team.

Task 2: Streetscape and Urban Design Analysis

Project Team will review and assess existing plans, zoning, comprehensive plan policies, streetscape, and street and right-of-way dimensions in order to establish a common understanding of the Florence Blvd. corridor physical attributes and policy context. This analysis will include:

Existing Plans, Policies, and Studies such as, but not limited to: the General Plan, Florence Blvd. Complete Streets Operations Analysis, Parks Open Space Plan, and Landscape Standards.

Corridor/Street Inventory of existing conditions will include: street cross-section and lane dimensions, roadway geometrics, lane configurations, driveway locations, turn bay storage lengths, traffic signal phasing, right-of-way, curb cuts, street trees, bike facilities, and transit stop locations.

J2 Team will create a series of urban context and street design diagrams that illustrate the various issues graphically to highlight their importance and shape conclusions about the streetscape design strategies.

Design Concepts:

Working with City staff the J2 team will develop a series of concept plans, elevations, and sections that graphically depict the urban design, streetscape and lane conditions, hardscape, street furniture, signage and wayfinding, green infrastructure, lighting, color scheme, and landscape concepts for use in developing a Concept Design Plan. The design concepts shall include the following broad categories:

- J2 team will develop two (2) distinct rendered concept plan views for the study area that show planned enhancements and streetscape/roadway alignment and conditions. These rendered concepts will be titled the “Conceptual Streetscape Alignments” (or similar title). Ortho-photo aerial images by Team’s survey efforts will be used for this concept effort.
- J2 team will develop for each study, three (3) to six (6) rendered concept sections for use in discussing with City staff, public and public officials the concept design alternatives. The concept images will be developed as graphic boards suitable for presentation to both the public and public officials.
- Upon refinement of above-noted concepts, J2 team will develop a total of two (2) before/after photo simulation renderings of each of the street segments (3 segments) in the study area to present the conceptual streetscape enhancements (maximum of 6 renderings). The concepts will be developed as graphic boards suitable for presentation to both the public and public officials.
- J2 team will develop a concept plan view key map and rendered elevations for the overall concept design aesthetic for proposed roadway and pedestrian signage, gateway monuments, and wayfinding elements. The concepts will be developed as a graphic board suitable for presentation to both the public and public officials. (See attached Scope of Work by Lisa Ranzenberger for detailed description).
- J2 team will develop an acceptable plant palette for the Streetscape. The plant palette will be developed as a stand-alone board that has the name of each proposed plant and an accompanying photograph of the actual plant. The graphic board will be suitable for presentation to both the public and public officials.

- J2 team will develop an acceptable hardscape palette for the Master Plan (pavers, seatwall types, hardscape concept, concrete finishes, aesthetic enhancements, etc.). The hardscape features will be developed as a graphic board with photographs / images suitable for presentation to both the public and public officials. Actual samples will also be presented if feasible.
- J2 team will develop an acceptable site furnishings concept for the Master Plan, depicting benches, vending kiosks, litter receptacles, tables, bollards, bike racks, and bus/transit/tourist stop shelters. The features will be developed as a graphic board with photographs / images suitable for presentation to both the public and public officials.
- J2 team will develop a lighting elements concept for the corridor for pedestrian and roadway lighting. Included in this task will be concepts for music to possibly be integrated into the design, if desired. Also included in this task will be concepts for downtown Wi-Fi connectivity to possibly be integrated into the design, if desired. Lighting elements will be presented as a graphic board with photographs / product cut sheets suitable for presentation to both the public and public officials. Photometric analyses are not included in this scope of work, as that would be addressed in a future final design contract involving an electrical engineer.
- J2 team will review existing traffic data as supplied by the City for the purposes of recommending effective street and streetscape improvements. However, traffic counts or traffic engineering is not included in this scope of work.
- J2 team will provide a utility coordination plan showing existing utilities (based on data provided by City of Casa Grande) in the project area and proposed future utility upgrades. The concepts will be developed as a graphic board suitable for presentation to both the public and public officials. (See attached Scope of Work by Dibble for detailed description of utility coordination).
- J2 team will provide recommendations for improvements to adjacent properties to support streetscape design. Overall urban design planning evaluation of the corridor will be studied to ensure future improvement of connectivity, accessibility, and to enhance multi-modal transportation. A focus on economic sustainability will guide the Team's planning and urban design efforts

Task 3: Public Involvement and Stakeholder Outreach

The J2 Team will be responsible for all meeting presentations, graphics, and leading the public involvement and stakeholder outreach meetings and interviews. The City will be responsible for securing meeting locations, coordinating outreach and notification of meetings (including mailing if necessary), printing needs as necessary, AV and room setup, and providing support staff.

The public and stakeholder outreach program will be led by J2 with assistance from City staff. The process will involve stakeholder input with City staff and senior management; downtown business roundtable meetings; community meetings; and management of project communications. Meetings may be either in-person or virtual, depending on City requirements. J2 will coordinate all stakeholder input with City staff and will work closely with City on content and strategy.

List of Task 3 Activities & Meetings:

- Planning Commission (3 Meetings)
- City Council (3 Meetings).
- Stakeholder Meeting Kickoff – Input Gathering
- Property Owners within Corridor.
- Business Owners within Corridor.
- Downtown Business Owners.
- General Public Meeting.
- Adoption of DCR Report / Master Plan

(All time shown in spreadsheet cost derivation includes travel time to / from meetings)

Task 4: Streetscape Design Production / Design Concept Report

The meetings and analysis work of Tasks 1 through 3 outlined above will be summarized into a DCR / Implementation Plan for a final deliverable. The final document will contain a phased implementation strategy and opinion of probable construction costs for potential streetscape improvements to achieve the project goals. This report will be a graphic summary organized into a series of framework and technical analysis diagrams, including conceptual streetscape layout (to approximately 10% design level), which will form the foundation for a range of streetscape and urban design improvement scenarios. This Report will be formatted at 11" x 17" size. The Report will include:

- Summary of the Streetscape & Urban Design Analysis
- Summary of Roadway Concept Engineering
- Summary of Public Involvement & Stakeholder Outreach Program
- Additional Pertinent Information, Graphics, and Exhibits as Produced
- Conceptual Streetscape Layout
- 3D Fly-through Simulation Rendering for Final Public Meeting and City Council Meeting
- Phased Implementation Strategy / Proposed Projects
- Conceptual Opinion of Probable Construction Costs for the Possible Future Improvements

Task 4 Deliverables:

- Five (5) bound hard copy color booklets of the Design Concept Report at 11"x17".
- One (1) CD/DVD containing the pdf electronic file of the DCR including 3D Fly-through simulation rendering.
- Above-noted CD/DVD will contain all powerpoint and pdf presentations used by the J2 Team during the process.
- Above-noted CD/DVD will contain the electronic excel and pdf file of the Conceptual Opinion of Probable Construction Costs.

Task 5 Meetings

Meeting Production:

The J2 Team will be responsible for all meeting agendas, minutes, graphics, and leading (or co-leading) the meetings. The City will be responsible for securing meeting locations, coordinating outreach and notification of meetings as necessary, and printing needs as necessary, AV and room setup, and providing support staff.

The meetings listed may or may not occur or other meetings may be held in lieu of them. The project fee proposal is based on the total number of meetings and not necessarily the specific meeting listed.

Project Team Communication: Because of the multi-faceted nature of the project, project calls and progress reports will be necessary. These communications will be primarily between the project manager for J2 and the manager for the City of Casa Grande Team, with additional staff and consultant team members included as necessary.

List of task 5 Meetings:

In Person Monthly Meetings:

- Team has allowed for two (2) in-person monthly meetings at City offices.

Monthly Conference Calls:

- J2 will actively participate in seven (7) monthly conference call coordination meeting of approximately 1 hour duration. These meetings shall occur as a scheduled meeting for the duration of the project. These communications will include the project manager for the Consultant and the manager for the City, with additional staff and consultant team members included as necessary. Several of these conference calls may be shifted to in-person at the City's discretion.

Conference Call to Review Draft Streetscape DCR / Design Review:

- J2 will actively participate in one (1) conference call meeting of 1 hour duration. This communication will be primarily between the project manager for the Team and the manager for the City of Casa Grande, with additional staff and consultant team members included as necessary. Intent will be to review City comments and Team coordination items prior to finalization of the Master Plan.

Miscellaneous Meeting:

- J2 has allowed for up to one (1) additional in-person meeting as necessary, to be used or initiated by City of Casa Grande at City discretion.

Non –Task General Items:

Quality Control:

- J2 shall institute and comply with the firm’s standard Quality Control Plan.

Exclusions:

The following items are specifically excluded from this Scope of Work:

- a. This scope does not include final construction documents or specifications.
- b. This scope does not include any post design or construction administration or construction management activities.
- c. This scope does not include Overlay District Guidelines or Design Guidelines.
- d. This scope does not include development of “Off Site” conceptual design.
- e. This scope does not include any legal easements or TCE descriptions.
- f. This scope does not include any utilities final design.
- g. This scope does not include any geotechnical engineering services.
- h. This scope does not include any meetings or efforts with any federal, state, or county agencies beyond the City of Casa Grande.

END OF SCOPE OF SERVICES



APPENDIX

Dibble Engineering and Lisa Ranzenberger Subconsultant Proposals

August 26, 2021



p 602.957.1155 | 7878 North 16th Street, Suite 300
f 602.957.2838 | Phoenix, AZ 85020

dibblecorp.com

August 16, 2021

J2 Engineering and Environmental Design, LLC
4649 East Cotton Gin Loop, Suite B2
Phoenix, Arizona 85040

Attn: Jeff Velasquez, PLA, ASLA, Vice President

**RE: City of Casa Grande – Florence Boulevard Streetscape Design Concept Report
City of Casa Grande Project No. TBD
Scope of Work and Fee Proposal for Study Phase Services**

Dear Mr. Velasquez:

Thank you for the opportunity to provide J2 Engineering and Environmental Design with study phase services on the **Florence Boulevard Streetscape Design Concept Report** project for the City of Casa Grande. Please find enclosed herewith the scope of work and fee proposal based on our understanding from scoping discussions and correspondence.

The scope of this project includes providing civil engineering analysis and study document preparation for streetscape elements associated with a downtown and commercial corridor improvement study in central Casa Grande. The elements and tasks of this project are described in detail within the attached Scope of Work. Dibble will complete the services described herein for a **lump sum, not to exceed fee** summarized below:

Base Fee for Design	\$	27,372.00	
Subconsultants	\$	10,071.00	(incl. Aerial Survey)
Total Contract Amount	\$	37,443.00	

Dibble is prepared to start work immediately on this project upon receipt of a Notice to Proceed. We are excited to have the opportunity to work with J2 on this exciting project for the City of Casa Grande. Please contact us at your convenience with any questions regarding the enclosed documents.

Regards,



Ian B. Mowry, PE
Project Manager
Dibble



Andrew J. Spear, PE
Vice President
Dibble

Enclosures

DIBBLE


PROJECT SCOPE OF WORK

City of Casa Grande

Florence Boulevard Streetscape Design Concept Report

City of Casa Grande Project No.: TBD

August 16, 2021

PROJECT DESCRIPTION:

Dibble and Associates Consulting Engineers (Dibble), as a subconsultant to J2 Engineering and Environmental Design (J2), will provide coordination, conceptual engineering, and study phase services required to prepare a Design Concept Report (DCR) for the City of Casa Grande (City) for conceptualizing and developing an implementation plan for streetscape improvements on Florence Boulevard.

The limits of the DCR will include Florence Boulevard (State Route 287) from Pinal Avenue (State Route 387) to Interstate 10 in downtown Casa Grande, Arizona. Anticipated improvements associated with the project include a localized narrowing of Florence Boulevard for an enhanced multimodal experience, raised medians for access management, and aesthetic improvements. The DCR will serve as a medium to develop two alternatives for consideration by the City. After review by City council, City staff, interest groups, and the general public, a final concept will be selected for finalization in the DCR. The DCR will also include an implementation plan for the City to utilize to program projects in their Capital Improvement Program for final design and construction.

This study phase is anticipated to commence in October 2021 and be complete by May 2022. To accommodate this timeframe, the following Scope of Work assumes an eight (8)-month schedule to complete study phase services by Spring 2022.

DESIGN STANDARDS:

The project improvements will be designed in accordance with the following standards (in order of precedence):

- City of Casa Grande, *2030 Casa Grande General Plan*. June 8, 2021.
- City of Casa Grande, *Access Management Guidelines*. Current Edition.
- City of Casa Grande, *Small Area Transportation Study*. July 2007.
- Maricopa Association of Governments, *Uniform Standard Details for Public Works Construction*, 2021 Revision to the 2020 Edition.
- Maricopa Association of Governments, *Uniform Standard Specifications for Public Works Construction*, 2021 Revision to the 2020 Edition.
- American Association of State and Highway Transportation Officials (AASHTO), *A Policy on the Geometric Design of Highways and Streets 7th Edition*, 2018.
- Federal Highway Administration, *Manual on Uniform Traffic Control Devices for Streets and Highways*, 2009 Edition with Revisions 1 and 2, May 2012.
- Transportation Research Board, *Access Management Manual*, 2009.
- Arizona Department of Transportation (ADOT), *Arizona Supplement Flood Control District of Maricopa County, Drainage Design Manual for Maricopa County, Arizona – Hydraulics*, 2018.
- National Association of City Transportation Officials (NACTO). *Urban Street Design Guide*. Current Edition.

BILLING AND COMPENSATION:

This project will be billed on a lump basis. Dibble will provide monthly invoices to J2 showing the following information:

1. Summary of previous billings, current fee due and the total amount of the invoice
2. Summary of works tasks completed during current billing period

A more detailed description of scope items is provided below.

SCOPE OF SERVICES:

TASK 1: DATA RESEARCH AND COLLECTION

Dibble will collect and review available information pertinent to the design of this project. The following information will be provided by the City:

- Record Drawings of Existing Roadways and Utilities
- Engineering Studies, Masterplans and Reports completed in the Project Vicinity
- Current City Construction Project Data
- Current Zoning Case, Preliminary Plats or On-going Development Construction Plan Documents
- Plans and Other Data for Proposed Projects in the Project Vicinity
- Right-of-Way Maps and Plats within the Project Vicinity
- Downtown Drainage Study
- Downtown Traffic Study
- Existing traffic counts
- Access Management Guidelines

TASK 2: FIELD SURVEY AND BASE MAPPING

Dibble will prepare topographic, land right, and existing utility base mapping to support the design development and plan production elements of this project as described in **Task 2.1** through **Task 2.5**.

TASK 2.1: CONTROL AND FIELD SURVEY

Dibble will perform control survey and set target panels for use in rectifying aerial mapping. The survey will be a topographic survey, based on the City's Horizontal and Vertical Datum (NAVD '88). Coordinates (northing and easting) will be based upon the Arizona State Plane, Central Zone Coordinate System, and monuments will be located within the mapping limits.

Global Positioning Systems (GPS), conventional and differential leveling methods will not be utilized during the study phase of this project.

TASK 2.2: AERIAL TOPOGRAPHY

As a subconsultant to Dibble, Vertical Mapping Resources, will provide digital orthophotography and topographic mapping in accordance with their attached Scope of Work. Dibble will manage and coordinate with Vertical Mapping Resources to ensure the work progresses in accordance with the project scope and schedule.

TASK 2.3: TOPOGRAPHIC BASE MAPPING

Dibble will create a 3D base map of the topographic features with a surface of 1-foot contour intervals. A 2D base map will be created showing all visible existing features and utilities based on field observations and available record data in AutoCAD 2019 format.

TASK 2.4: RIGHT-OF-WAY BASE MAPPING

Dibble will create a base map to include existing section and mid-section lines based on the control survey. Roadway centerlines, right-of-way and parcel lines within the project limits will be developed from Geographic Information System (GIS) information available from the Pinal County Assessor's Office. Right-of-way for Florence Boulevard within the DCR limits will be reviewed against Arizona Department of Transportation Right-of-Way plans. In conjunction with existing condition and the proposed alternatives, Dibble will identify the limits of right-of-way dedications needed to implement the DCR improvements. Formal right-of-way and parcel delineation based on recorded conveyance documents available at the Pinal County Recorder's Office will not be developed during the study phase of this project.

TASK 2.5: UTILITY BASE MAPPING

Dibble will contact Arizona 811 (formerly Arizona Blue Stake) to compile a list of utility providers within the project limits. Requests for mapping will be sent to each of these providers to obtain quarter section maps and record drawings. The data from maps and record drawings along with existing utility features in the topographic survey will be used to create utility base mapping.

TASK 3: ACCESS CONTROL ANALYSIS

Utilizing the City's latest *Access Management Guidelines*, Dibble will collaborate with the City to identify locations for raised medians to enhance safety within the corridor. Dibble will provide a plot and list of accidents within the corridor for years 2016-2020 and identify locations where access related crashes occur. Additional GIS exhibits will be prepared to depict locations where raised medians could be placed. This analysis and the corresponding recommendations will be summarized in the body of the DCR.

TASK 4: ALTERNATIVES ANALYSIS AND ROADWAY DESIGN

Dibble will assist in the development of design concepts for two alternatives for streetscape improvements for Florence Boulevard. J2 will develop initial concepts with Dibble providing verification and engineering support for civil design elements. Anticipated improvements include lane reductions on Florence Boulevard between Pinal Avenue and Brown Avenue, raised medians at key locations through the corridor, and other elements of complete streets design concepts. The civil design elements will be depicted in the DCR and Schematic Design Plans.

TASK 5: DESIGN CONCEPT REPORT SUPPORT

Dibble will provide support to J2 to aid in the development of the body text for the DCR. Dibble will document the work completed for the civil and traffic design elements of the streetscape improvements.

TASK 6: ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

An Engineer's Opinion of Probable Construction Cost will be prepared for the two alternatives and at the Draft and Final DCR milestones. The EOPCC will utilize unit costs for bid items based on current and historic bid prices for comparable work tasks.

TASK 7: PROJECT MANAGEMENT AND COORDINATION

Dibble's Project Manager will be knowledgeable of the project and have responsible charge of the progress of each phase of the project. The Project Manager will be the point of contact for J2 and will keep J2 informed of all coordination with outside agencies and other affected parties. The Project Manager will be responsible for administrative issues, technical direction of the work, scheduling, and budgetary oversight for the project as well as coordination and reporting with the J2's Project Manager.

TASK 7.1: PROJECT COORDINATION

In addition to regular telephone conversations, electronic and written correspondence with J2; project coordination will include preparation and attendance minutes for the project meetings. Coordination with the design teams for adjacent projects, stakeholders and the internal design team, including subconsultants, is also covered under this task. It is assumed that an average of one (1) hour per month for the eight (8)-month duration will be required for project management and coordination efforts.

TASK 7.2: QUALITY CONTROL

Dibble’s Project Manager will be responsible for ensuring that Dibble’s internal Quality Control Program is followed for this project, including review and oversight as the Quality Control Reviewer. In addition, senior engineering staff, not part of the regular design effort, will independently review the design for conformance to design standards, constructability, and quality at each design progress level prior to submittal to J2.

ALLOWANCES:

There are no allowances included with this contract.

CLARIFICATIONS/EXCLUSIONS:

The work listed below is specifically excluded from this scope of work, but can be added to the contract for an additional fee to be negotiated should the County elect to do so:

- GPS or Conventional Topographic Survey
- Right-of-Way, Easement, and Parcel Base Mapping based on Recorded Conveyance Documents
- Schematic Design Exhibits
- Project Meetings & Site Visits
- Final Design or Construction Phase Services
- Permit Fees
- Traffic Analysis and Traffic Counts
- Public Outreach/Public Involvement
- Right-of-Way and/or Easement Staking

END SCOPE OF WORK

ENGINEERING FEE PROPOSAL

City of Casa Grande

FLORENCE BOULEVARD STREETScape DESIGN CONCEPT REPORT

City of Casa Grande Project No. TBD

CONSULTANT/SUBCONSULTANT FEE PROPOSAL SUMMARY

LABOR BREAKDOWN:

Classification	Hours	Billing Rate	Cost
Project Manager	16	\$ 198.00	\$ 3,168.00
QA/QC Manager	4	\$ 192.00	\$ 768.00
Project Engineer (PE)	34	\$ 169.00	\$ 5,746.00
Assistant Project Engineer (EIT)	76	\$ 137.00	\$ 10,412.00
Senior Technician	12	\$ 141.00	\$ 1,692.00
Land Surveyor Manager (RLS)	4	\$ 183.00	\$ 732.00
Land Surveyor (RLS)	6	\$ 159.00	\$ 954.00
Survey Crew (2 Person)	20	\$ 195.00	\$ 3,900.00
Total Hours	142		\$ 27,372.00

DIRECT EXPENSES:

None \$ -

SUBTOTAL, DIRECT EXPENSES:

\$ -

SUBCONSULTANTS:

Vertical Mapping Resources (Aerial Mapping) \$ 10,071.00

SUBTOTAL, SUBCONSULTANTS:

\$ 10,071.00

TOTAL NOT TO EXCEED DESIGN FEE (BASE CONTRACT):

\$ 37,443.00

ALLOWANCES:

None \$ -

SUBTOTAL, ALLOWANCES:

\$ -

TOTAL PROPOSED FEE, NOT TO EXCEED:

\$ 37,443.00



Signature

8/16/2021

Date

Vice President

Title

City of Casa Grande
FLORENCE BOULEVARD STREETScape DESIGN CONCEPT REPORT
City of Casa Grande Project No. TBD

DIBBLE STAFF HOURS & FEE BY TASK:

Task	Sub-Task	Description	\$198.00	\$192.00	\$169.00	\$137.00	\$141.00	\$183.00	\$159.00	\$195.00	Task Total	
			Project Manager	QA/QC Manager	Project Engineer (PE)	Assistant Project Engineer (EIT)	Senior Technician	Land Surveyor Manager (RLS)	Land Surveyor (RLS)	Survey Crew (2 Person)	Hours	Fee
1		Data Research and Collection			2	4					6	\$886.00
2		Field Survey and Base Mapping										
	2.1	Control and Field Survey							4	20	24	\$4,536.00
	2.2	Aerial Topography					4		2		6	\$882.00
	2.3	Topographic Base Mapping					8	4			12	\$1,860.00
	2.4	Right-of-Way Base Mapping			4	12					16	\$2,320.00
	2.5	Utility Base Mapping			2	20					22	\$3,078.00
3		Access Control Analysis	1		4	8					13	\$1,970.00
4		Alternatives Analysis and Roadway Design	4		6	24					34	\$5,094.00
5		Design Concept Report Support	2		12						14	\$2,424.00
6		Engineer's Opinion of Probable Construction Cost	1		4	8					13	\$1,970.00
7		Project Management and Coordination										
	7.1	Project Coordination (1 Hr/Month for 8 Months)	8								8	\$1,584.00
	7.2	Quality Control		4							4	\$768.00
TOTAL STAFF HOURS			16	4	34	76	12	4	6	20	172	
TOTAL FEE			\$3,168.00	\$768.00	\$5,746.00	\$10,412.00	\$1,692.00	\$732.00	\$954.00	\$3,900.00		\$27,372.00

July 20, 2021

For:
J2 Engineering and Environmental Design - Jeff Velasquez



Project:
Florence Blvd. Streetscape Design

Conceptual Development

Street Markers
Wayfinding Elements

Participate in initial meetings with J2 and relevant project consultants to determine philosophical and aesthetic direction, considering opportunities for enhancing sense of place through signage & graphics, how those can be balanced with functional signage needs and to outline any applicable restrictions or special circumstances.

Utilizing existing condition information from J2, develop potential locations for proposed elements taking into account pedestrian and vehicular traffic patterns, sightlines, viewpoints and available space as they may relate to element configuration.

Develop 2 concepts for the outlined elements utilizing color sketches and plan views as necessary to convey intent.

Concept directions to be aesthetically compatible with and complimentary to adjacent landscape architecture and will outline intent for philosophical approach to a wayfinding system.

Provide digital files to J2 appropriate for inclusion in presentation materials.

At an appropriate juncture, participate in a conference call with City of Casa Grande staff to review developed concepts.

Upon review of City of Casa Grande feedback, revise one concept as requested along with a preliminary cost for J2 presentation to city for final approval.

Provide digital files to J2 as necessary for inclusion in final deliverable.

Total \$4635

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