



Harris & Associates®

April 20, 2018

Eda Herrera, PE
Associate Engineer
City of Salinas – Public Works
200 Lincoln Avenue
Salinas, CA 93901

City of Salinas Williams Road Improvement Project: Phase 1 and Phase 2 Proposal

Dear Eda,

The Harris Team is excited to partner with the City of Salinas to provide improvements to Williams Road. The project will require extensive communication with your staff, utility companies and the community of Alisal, which we are ready to provide. The following includes our understanding of the project based on the RFP solicited by your staff, our meeting on March 9, 2018 and subsequent coordination to date.

The work described herein shall be in accordance with the terms and conditions set forth in the Master Services Agreement, dated October 11, 2017 between the City of Salinas and Harris & Associates.

PROJECT UNDERSTANDING

The project is located on Williams Road from E. Alisal Street to Grandhaven Street (approximately 0.57 miles). Williams Road is an existing four lane roadway with a two-way left turn lane. This corridor is a high pedestrian, high traffic area in a mixed commercial/high density residential area with two private church schools, mobile home parks, and a fire station fronting this road. This road has very few opportunities for crosswalks and no bike lanes. The right of way for the street is 84-feet with approximately 66-feet of travelled way, face-of-curb to face-of-curb from Alisal St. to Grandhaven St

The City is requesting a multi-phased design approach to meet certain deadlines. Therefore, we propose to implement the following phases:

Phase 1 – Community Outreach and Alisal Vibrancy Plan (AVP) Coordination

This phase will be completed by September 2018 in order to provide a project description and rendering for the Draft AVP. This will require several meetings with the AVP Team and the Alisal community.

Phase 2 – 30% Conceptual Design

City staff requested a 30% design which will follow Phase 1 and include the following:

- Increase the vehicular capacity of Williams Road while considering complete street elements and decorative elements for beautification of the corridor;

- A full reconstruction with a new structural section of the road, City prefers Full-depth Reclamation
- LED streetlight and pedestrian lighting conceptual design to identify pole locations.
- Traffic analysis for the Williams Road corridor, from E. Alisal Street to Bardin Street. The analysis will model:
 - A roundabout located at the Alisal/John/Williams Road Intersection and a roundabout at the Market/Williams Road Intersection.
 - A two stage offset crosswalk at the middle of the intersection of Quilla and Williams will be evaluated.
 - Evaluate the need for a traffic signal at the intersection of Garner and Williams.
 - Striping treatment that would increase capacity on Williams from Grandhaven to Bardin.
 - Identify the need for a centerline median to eliminate cross traffic issues.
- Address City of Salinas Stormwater Requirements using bioretention bulbouts;
- Provide sanitary sewer design for sewer main from Alisal to Grandhaven;
- Utility coordination to support the Rule 20A Utility Undergrounding of Williams Road Is not included in this phase.
- Environmental Services is not included in this phase.
- Community outreach to present the 30% design.

Future phases of this project will include Final Design, Utility Coordination to support Rule 20A Utility Undergrounding and Environmental Services. All of which are not included in this scope of work.

The City performed the following work within this corridor which will support our efforts:

- City of Salinas 2010 Traffic Improvement Program
- Conceptual plan for raised medians to replace striped turn lanes (Higgins Associates 2007)
- AutoCAD Basemap of project area (Landset Surveyor)
- 2016 Traffic counts at the intersections of Alisal/John/Williams and Market/Williams
- Complete Streets Safety Assessment Study (July 2017)

The following outlines our Scope of Work for Phases 1 and 2.

SCOPE OF SERVICES

PHASE 1 - COMMUNITY OUTREACH AND ALISAL VIBRANCY PLAN (AVP) COORDINATION

TASK 1 – PROJECT MANAGEMENT

Project Management responsibilities will involve preparation and maintenance of the scope, budget, and Microsoft Project schedule. This Task will be used by the Project Manager to coordinate all efforts for this phase, which may include phone calls and emails to City staff and team members.

The Project Manager will manage invoices and submit a monthly cover letter with each invoice to identify the original budget, amount spent to date, amount spent on this period, and percentage spent to date for each task.

TASK 2 – MEETINGS

TASK 2.1 – MEETING #1 WITH AVP TEAM

Harris team will meet with City and the Alisal Vibrancy Plan Team and Nelson Nygaard in early May to understand their outreach efforts to date and to get their input regarding improvements planned for Williams Road. The AVP Team and Nelson Nygaard will provide a written memorandum that includes input received from various community meetings for the AVP.

The purpose of the meeting is to produce strategies for development of the project scope, determine the need for additional public outreach and determine necessary coordination with the AVP Team (In-person and/or Skye Meeting).

TASK 2.2 – COMMUNITY MEETING #1

The Harris team assist the City in conducting outreach in Community Meeting #1 to support the City and the AVP team with the intent of engaging the community. Based on input gathered from the meeting with AVP Team, the Harris team will prepare a simple exhibit to be displayed during the community meeting, which will show the project vicinity and identifies intersection(s) where potential improvements are planned. The City will coordinate outreach with community and organize and facilitate outreach meetings.

TASK 2.3 – MEETING #2 WITH AVP TEAM

Following Community Meeting #1, the Harris Team will meet with the City and AVP Team to incorporate the input received from Community Meeting #1. Harris will prepare a memorandum describing the potential design (i.e., roundabouts, bulbouts, striping) while incorporating feedback from Community Meeting #1. The Harris team will prepare a planning level exhibit to address the potential design so that it can be included in the Draft AVP. This exhibit will include all the input received to date.

PHASE 2 – 30% CONCEPTUAL DESIGN

TASK 1 – PROJECT MANAGEMENT

TASK 1.1 – PROJECT MANAGEMENT

Project Management responsibilities will involve preparation and maintenance of the scope, budget, Microsoft Project schedule, resource management, and coordination of meetings with the Project Development Team (PDT), which includes City staff.

On a monthly basis, the Project Manager will provide a brief written summary of work that has been accomplished, a list of impediments and actions required to work through the impediments to keep the project on schedule and budget.

The Project Manager will manage invoices and submit a monthly cover letter with each invoice to identify the original budget, amount spent to date, amount spent on this period, and percentage spent to date for each task.

The project files will be made available to the PDT using Dropbox.

TASK 1.2 – MEETINGS

The Project Manager will schedule meetings with the appropriate PDT members. For the purposes of this proposal we have assumed the following meetings will be required.

- Kickoff Meeting to include all PDT members.
- Four (4) progress meetings with appropriate PDT members.

Please refer to other tasks for additional meetings.

TASK 2 – BASE MAPPING AND SURVEY

The Harris Team includes Monterey Bay Engineers (MBE) as our surveyor. They will provide the following services.

TASK 2.1 – TOPOGRAPHIC SURVEY

Harris will use City provided topographical map. This map was prepared by Landset Surveyors in 2007 and also updated in 2017. The map contains elevations every 50-feet along the centerline of Williams Road. The map includes face of curb, top of curb, flowlines, gutter lip, sidewalk, centerline, striping, utility covers, the inverts of catch basins, and city monuments.

In addition, our surveyor will perform supplemental topographic survey on as-needed basis. The field survey will be based on California Coordinate System of 1983 and on NAVD-88 elevations. A \$15,000 allowance is included in the level of effort.

TASK 2.2 – RIGHT-OF-WAY MAPPING

Our surveyor will perform field survey to search existing monuments along Williams Road. Once they have searched all the monuments, they will finalize the right-of-way for Williams Road (E. Alisal to Grandhaven).

TASK 3 - PRELIMINARY ENGINEERING (30% DESIGN)

TASK 3.1 – GEOTECHNICAL ENGINEERING

Pacific Crest Engineering will serve as our geotechnical engineering partner for this project. They will perform a preliminary site investigation to determine the geotechnical issues, assess potential impacts, and provide preliminary design and construction recommendations for the project.

The information will be documented in a Geotechnical report, to address

- Recommendations for either Full-depth Reclamation or Cold-in-Place mix design
- Structural pavement design
- Trench restoration design for utilities
- Boring logs indicating existing soil profile (4-6 borings will be performed)

Based on our discussions with the City, hazardous materials testing has been previously performed. No testing for hazardous materials is included in this scope.

TASK 3.2 – HYDROLOGY/HYDRUALICS/DRAINAGE ANALYSIS

Harris will evaluate the stormwater runoff generated within Williams Road and identify the preliminary stormwater requirements for the proposed conceptual design to accommodate storm water quality concerns to comply with the City's Phase 1 Municipal Stormwater Permit.

Stormwater treatment analysis and preliminary layout of the treatment options will be identified in accordance with applicable permit requirements defined in the City of Salinas 2013 Stormwater Development Standards (SWDS).

TASK 3.3 – TRAFFIC ANALYSIS

Alta Planning and Design (Alta) will prepare a comprehensive transportation analysis of the Williams Road corridor (Alisal to Bardin) addressing the safety, mobility, and connectivity of people walking, bicycling, and driving. The analysis will also qualitatively discuss speed as it relates to safety for all roadway users and vehicle capacity and also regional versus local transportation desires and influences including balancing efficiency/effectiveness of the corridor capacity and on-going maintenance to move people, whether walking, biking or driving.

Alta will complete a transportation study including a level of service analysis of existing conditions and a level of service build out to 2040. Alta will review up to six intersections on Williams Road between Alisal Street and Grandhaven Street. Alta will also qualitatively discuss challenges to safety, mobility and connectivity for existing and build out. Alta will also provide a qualitative discussion regarding Complete Streets, Vehicle Miles Travelled and SB 743 as the California Environmental Quality Act is moving in that direction of that environmental performance metric and certain transportation infrastructure improvement decisions will help or hinder the city's ability to achieve desired outcomes in the future. Alta will also qualitative review and discuss two stage pedestrian crossings, medians islands, and signals versus or with roundabouts. The consultant will utilize SWITRS (or local collision data base) to identify a collision history along the corridor. Alta will review an annual growth rate (0.75% vehicles per year increase to through movements at intersections and evaluate appropriate growth rates for turning movements) based on build out of adjacent neighborhoods and access to growth. The level of service/peak hour warrant analysis shall be at the signalized and non - signalized intersections of this project boundary. The traffic study is to include an alternative scenario design for roundabouts at the intersections of John St. at Williams Rd. and E. Market St. at Williams Rd. Official ICE Analysis is to be done at a later time if the analysis is favorable (and is not included in this scope or budget at this time).

Alta will utilize turning movement counts and signal timing plans provided by City staff. Alta's consultant TDS will collect intersection counts for Williams and Alma, Williams and Bellhaven, and Williams and Bardin for use in the transportation study.

TASK 3.4 – GEOMETRIC APPROVAL DRAWINGS AND STREET LIGHTS

3.4.1 Gather Data

We will gather existing background information about the project including:

- Traffic reports and data
- Preliminary design data
- Mapping and aerial photographs
- Utility locations
- Design standards, details, and specs
- City and utility contacts

- Monumentation/ other property information
- Funding and permit information
- City contract documents

This activity will require assistance from City staff in researching documents and resolving design parameters and project issues.

3.4.2 Site Visit

We will visit the project site to determine if there are any potential constraints to the proposed construction. Site visits will occur prior to initial design and ongoing throughout the final design process.

3.4.3 Preliminary Geometric Drawings

Harris will prepare preliminary geometric approval drawings for review by the City of Salinas. Harris will provide a geometric plan, which will include plan view of the preliminary layout, control information, pavement delineation, bike lanes, meandering sidewalk, bulbouts, roundabouts and median islands.

The concept design plan will assume a 10' minimum width for left turn pockets, 11' minimum width for all other lanes (per the City's request).

3.4.4 Street Light Design

Alta will prepare for and meet with appropriate City staff to discuss the standards and options for street and pedestrian lighting fixtures (LED luminaire and pole) for the corridor and select a direction for the project. Preparation will include review of available City standards, discussions with the AVP Team and Alisal Complete Street team, and development of lighting pole and fixture options.

Alta will develop a conceptual lighting location plan based on fixture specifications for spacing, taking into account utility design and public realm elements in the sidewalk zone. Alta will provide a draft plan and address one round of comments on the plan for the concept design. Alta will coordinate with the manufacturer for photometric analysis and adjust the lighting plans accordingly. Alta will provide the CAD layout plan to Harris to be incorporated into the 30% Plans. Alta will make minor adjustments based on client comments to finalize the lighting pole locations.

3.4.5 Preliminary Landscape Design

Alta will participate in a design meeting to discuss the landscape strategy and ideas for street trees, median plantings, and green infrastructure rain garden plantings with Harris and the City. Alta will also coordinate with the City of Salinas maintenance lead to discuss preferences on planting materials, mulch, irrigation, and water connections. Alta will develop three landscape design options (using the base design files provided by Harris), respond to one set of comments, and provide a revised landscape design options for outreach with the public.

3.4.6 Design Review Meeting

We have allocated one review meeting with the City staff to discuss the Preliminary Concept Design.

TASK 3.5 – UTILITY COORDINATION

3.5.1 Utility Information Gathering

Harris will contact each utility, gather information regarding its facilities, and identify potential conflicts. We will check utilities against the base maps provided by the utility agencies.

Utility Coordination will include a matrix identifying utility conflicts (based on electronic locating discussed in Task below) with the new street structural section and the proposed improvements. Contact with utilities will be established and relocation requests initiated.

3.5.2 Utility Locating

Harris' subconsultant Subtronic will endeavor to locate underground utilities within the project limits. Location of utilities will be by electromagnetic field induction. Ground Penetrating Radar will also be used. Instrument readings are deemed within 10% accuracy. Utilities identified will include, metallic utilities i.e. electric, telephone, gas and water, and non-metallic utilities with tracer wire visible. Sewer and storm drain lines with minimum 4" cleanout or manhole access will be located by inserting a transmitter.

Potholing services are not included.

TASK 4 – PUBLIC MEETINGS/COMMUNITY OUTREACH

The Harris team will assist the City in conducting outreach in Community Meeting #2 to support the AVP team with the intent of engaging the community and to present the concept design. This effort may include preparation of presentation materials (e.g., powerpoint presentation, concept rendering, design handout). The City will coordinate outreach with community and organize and facilitate outreach meetings.

The Harris Team will develop an exhibit identifying Right-Of-Way (ROW) issues and present them to City staff. City staff will assist the Harris Team with presenting the ROW takes and encroachment with the impacted property owners.

TASK 5 - FINAL CONCEPT PLAN (30%)/STREET STRUCTURAL SECTION/STREET LIGHT DESIGN

TASK 5.1- FINAL CONCEPT RENDERING

Alta will prepare an artistic rendering of a selected location of the final concept plan.

TASK 5.2 – PREPARE FINAL 30% PLANS

Harris will submit a Final Concept Plan, including, cross-sections and details. Plans will comply with the City's format requirements. The design will be in accordance with City, County and Caltrans design standards and current California MUTCD guidelines. The concept design plans will include:

- Existing topography and utilities
- Preliminary Layout Plans (including Intersection improvements along Williams, between Alisal and Grandhaven), which will include roadway, sewer and fiber optic layouts.
- Typical Cross sections and Structural Section Details
- Preliminary Street Lighting Plans, that will include the type and locations of fixtures
- Preliminary Signing and Striping Plans (from Alisal to Bardin)
- Preliminary Landscape Plans

These drawings will be used to identify the limits of the project for utility coordination efforts, cost estimates, and right of way limits. The drawings will be prepared using Civil 3D–2018.

TASK 5.3 – PREPARE FINAL 30% OPINION OF PROBABLE CONSTRUCTION COST

Harris will prepare a preliminary estimate of probable construction cost. The estimate will include quantity takeoffs, unit prices, and an estimated cost for each element of the project. We will utilize the resources of our knowledgeable design and construction management staff to provide current construction costs.

The concept cost estimate will also include costs for Final Design (development of 65%, 95% and final plans, technical specifications and opinion of probable construction cost).

TASK 5.4 – REVIEW MEETING

We have allocated one review meeting with the City staff to discuss the 30% Design package.

PROJECT SCHEDULE

A preliminary schedule for the design is included in Attachment 1.

PROPOSED FEES

Our level of effort for the above scope is included in Attachment 2.

The Harris team is ready to collaborate with you on this important project, can start immediately, and will keep this project a priority until the project is constructed. Our proposed staff is committed to you and the community of Alisal. Please feel free to contact me directly should you have any questions regarding this scope of work and cost estimate.

Sincerely,

Harris & Associates, Inc.



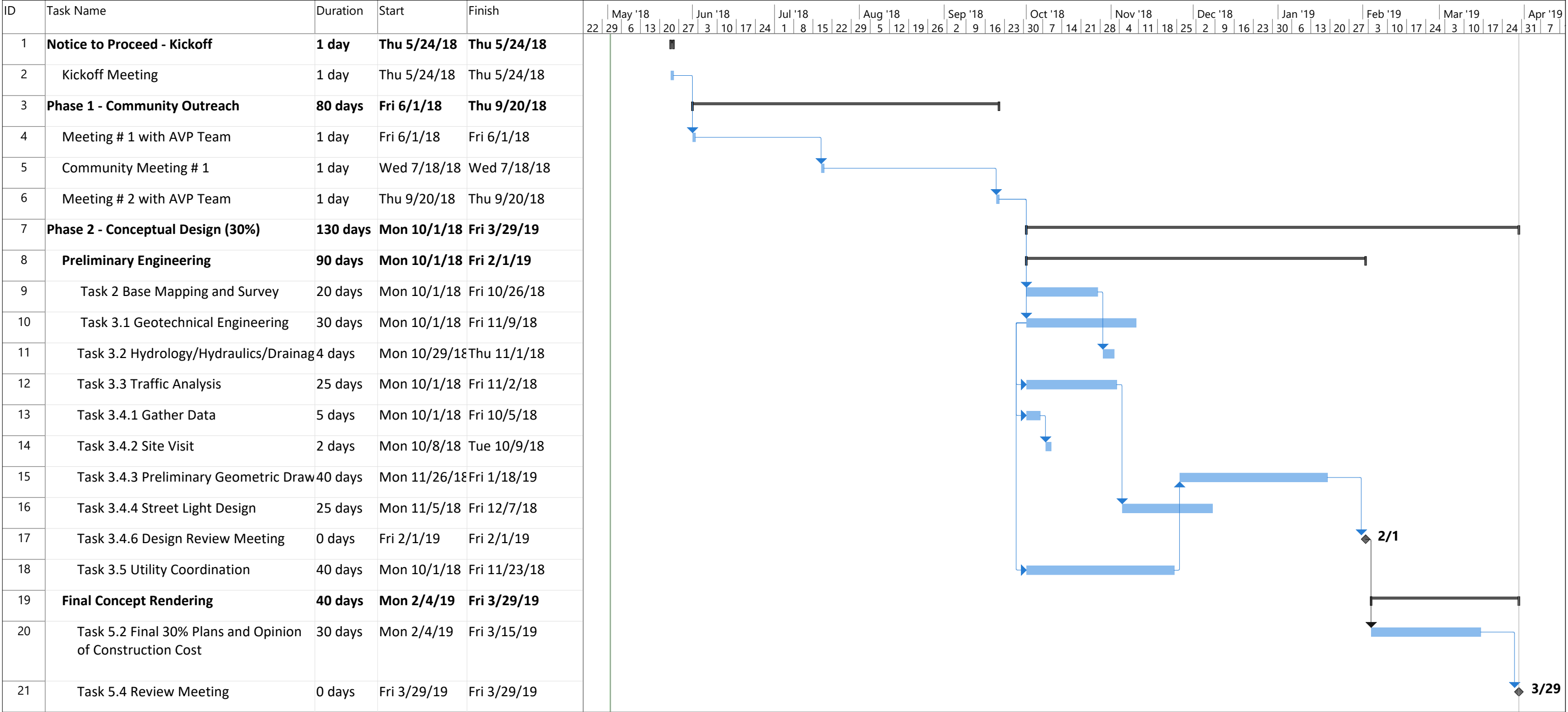
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Attachment 1 - Schedule
Attachment 2 – Level of Effort
Attachment 3 – Summary of Deliverables
Attachment 4 – List of Harris Team

City of Salinas
Williams Rd Improvements (30% Design)



ATTACHMENT 1
Date: Wed 5/2/18

Task	<div></div>	Project Summary	<div></div>	Manual Task	<div></div>	Start-only	<div></div>	Deadline	<div></div>
Split	<div></div>	Inactive Task	<div></div>	Duration-only	<div></div>	Finish-only	<div></div>	Progress	<div></div>
Milestone	<div></div>	Inactive Milestone	<div></div>	Manual Summary Rollup	<div></div>	External Tasks	<div></div>	Manual Progress	<div></div>
Summary	<div></div>	Inactive Summary	<div></div>	Manual Summary	<div></div>	External Milestone	<div></div>		

City of Salinas

Williams Road Improvements

Conceptual Design (30%)

FEE ESTIMATE

Task/Subtask	Harris & Associates								Subconsultants				Subtotals
	QA/QC <i>Gary Yagade</i> \$280.00	PM/ Director <i>Frank Lopez</i> \$220.00	Roadway Lead <i>Jasmine Cuffee</i> \$240.00	Project Engineer <i>Siva Natarajan</i> \$180.00	Design Engineer <i>Christian Mercado</i> \$145.00	ENV Lead <i>Kate Giberson</i> \$210.00	Utility Lead <i>Rocco Colicchia</i> \$210.00	Survey <i>MBE</i> Allowance	Geo <i>PCE</i> Allowance	Traffic Analysis/ Landscape Design Alta Allowance	Utility Locating Subtronic		
PHASE 1: Community Outreach and Alisal Vibrancy Plan Coordination													
Task 1 Project Management (Phase 1 only)		16											\$3,520
Task 2 Meetings													
2.1 Meeting #1 with AVP Team		2	2	2						\$820			\$2,100
2.2 Community Meeting # 1		2	2	4	16					\$1,640			\$5,600
2.3 Meeting # 2 with AVP Team		2	4	16	16					\$5,262			\$11,862
Subtotal Hours =	0	22	8	22	32	0	0						84
Subtotal (\$) =	\$0	\$4,840	\$1,920	\$3,960	\$4,640	\$0	\$0	\$0	\$0	\$7,722	\$0		\$23,082
PHASE 2: 30% Conceptual Design													
Task 1 Project Management													
1.1 Project Management		60											\$13,200
1.2 Meetings (4 budgeted)		12	12	12		4	0						\$8,520
Subtotal Hours =	0	72	12	12	0	4	0						100
Subtotal (\$) =	\$0	\$15,840	\$2,880	\$2,160	\$0	\$840	\$0	\$0	\$0	\$0	\$0	\$0	\$21,720
Task 2 Base Mapping And Survey													
2.1 Topographic Survey (See Note 8 Below)			4		6			\$15,000					\$16,830
2.2 Right -Of-Way Mapping			4		4			\$15,000					\$16,540
Subtotal Hours =	0	0	8	0	10	0	0						18
Subtotal (\$) =	\$0	\$0	\$1,920	\$0	\$1,450	\$0	\$0	\$30,000	\$0	\$0	\$0	\$0	\$33,370
Task 3 Preliminary Engineering (30% Design)													
3.1 Geotechnical Engineering			2	4	8				\$18,910				\$21,270
3.2 Hydrology/Hydraulics/Drainage Analysis		2	6		16								\$4,200
3.3 Traffic Analysis		2	4	12	16					\$26,409			\$32,289
3.4 Geometric Approval Drawings And Street Lights													
3.4.1 Gather Data		4		4	8								\$2,760
3.4.2 Site Visit		4	4	4	16								\$4,880
3.4.3 Preliminary Geometric Drawings	8	4	24	60	100					\$4,128			\$38,308
3.4.4 Street Light Design		2	2	4	4					\$10,982			\$13,202
3.4.5 Preliminary Landscape Design				16	8					\$10,750			\$14,790
3.4.6 Design Review Meeting		4	4	4									\$2,560
3.5 Utility Coordination													
3.5.1 Utility Information Gathering			4	2	16								\$3,640
3.5.2 Utility Locating			4	2	12							\$37,168	\$40,228
Subtotal Hours =	8	22	54	112	204	0	0						400
Subtotal (\$) =	\$2,240	\$4,840	\$12,960	\$20,160	\$29,580	\$0	\$0	\$0	\$18,910	\$52,269	\$37,168		\$178,127
Task 4 Public Meetings/Community Outreach													
Public Meetings/Community Outreach		16	10	10						\$0	\$0		\$7,720
Subtotal Hours =	0	16	10	10	0	0	0						36
Subtotal (\$) =	\$0	\$3,520	\$2,400	\$1,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,720
Task 5 Final Concept Plan/Street Structural Section/Street Light Design													
5.1 Final Concept Rendering		4	2		8								\$2,520
5.2 Prepare Final 30% Plans			28	50	100					\$8,718			\$38,938
5.3 Prepare Final 30% Opinion of Probable Construction Cost			4	8	16								\$4,720
5.4 Review Meeting		2	2	2			2						\$1,700
Subtotal Hours =	0	6	36	60	124	0	2						228
Subtotal (\$) =	\$0	\$1,320	\$8,640	\$10,800	\$17,980	\$0	\$420	\$0	\$0	\$8,718	\$0		\$47,878
Total Hours by Classification =	8	116	120	194	338	4	2						782
Total (\$) by Classification =	2,240	30,360	30,720	38,880	53,650	840	420	30,000	18,910	68,709	37,168		\$259,369
Direct Expenses =	\$1,000							\$200	\$0	\$1,500	\$0		\$2,700
Total (\$) =	\$158,110							\$30,200	\$18,910	\$70,209	\$37,168		\$277,429
Total Harris													\$158,110
Total Subs													\$156,487
Sub Markup (10%)													\$15,649
Total =													\$330,246

ASSUMPTIONS UPON WHICH COST PROPOSAL IS BASED:

- 1 The following Plan Sheet Index

DWG NO.	DESCRIPTION	SCALE	SHEETS
T-1	Title Sheet	-	1
K-1	Key Map	-	1
P-1 to P-12	Plan Sheets (Roadway)	20	12
XS-1 to XS-2	Typical Cross Sections	-	1
ST-1 to ST-4	Striping	40	1
SL-1 to SL-4	Street & Pedestrian Lighting Plans	40	2
LD-1 to LD-4	Landscape Concept Plans	40	4

TOTAL: 22

- 2 it is assumed that construction staging/traffic control plans will not be required at this time.
- 3 Hours and fee may be renegotiated if the project is delayed by factors beyond Harris' control.
- 4 Utility Companies will design their relocations, if any are needed.
- 5 The number of budgeted meetings is indicated on the spreadsheet.
- 6 City comments will be presented to Harris in one consolidated set of marked-up documents and/or letter form.
- 7 Final Design shall be performed under an additional budget.
- 8 The survey budget for topographic mapping is an allowance and will only be used if supplemental topographic information is needed.

Summary of Deliverables

PHASE 1 - COMMUNITY OUTREACH AND ALISAL VIBRANCY PLAN (AVP) COORDINATION	
Task	Deliverables
1 Project Management	Monthly Progress Reports, Meeting Minutes and Project Schedule
2 Meetings	
2.1 Meeting #1 with AVP Team	Meeting summary
2.2 Community Meeting #1	Simple exhibit displaying traffic options for Williams Road
2.3 Meeting #2 with AVP Team	Memorandum and planning level exhibit
PHASE 2 – 30% CONCEPTUAL DESIGN	
Task	Deliverables
1 Project Management	Monthly Progress Reports, Meeting Minutes and Project Schedule
2 Base Mapping & Survey	
2.1 Topographic Survey	Autocad File with topographic information
2.2 ROW Mapping	Memorandum summarizing the Boundary and Easement Research
3. Preliminary Engineering (30% Design)	
3.1 Geotechnical Engineering	Geotechnical Report
3.3 Traffic Analysis	Traffic Study Report; Intersection Counts for Alma, Bellhaven and Bardin
3.4.3 Preliminary Geometric Drawings	Preliminary Geometric Layout Plans (30%)
3.4.4 Street Light Design	Preliminary Street Light Design Plans (30%)
3.4.5 Preliminary Landscape Design	Preliminary Landscape Design Plans (30%)
3.4.6 Design Review Meeting	Meeting Agenda and Minutes
4. Public Meetings/Community Outreach	Presentation Materials (i.e., PowerPoint); ROW Map identifying ROW takes
5. Final Concept Plan/Street Structural Section/Street Light Design	
5.1 Final Concept Rendering	Artistic rendering
5.2 Prepare Final 30% Plans	Final 30% Plans
5.3 Prepare Final 30% Opinion of Probable Construction Cost	Final 30% Opinion of Probable Construction Cost
5.4 Review Meeting	Meeting Agenda and Minutes

List of Harris & Associates Team

Firm Name	Responsibility	DIR #
Harris & Associates	Prime; Civil Design; Project Management; Outreach; Utility Coordination	1000011113
Alta Planning & Design	Traffic Analysis; Landscape Design; Street Light Design	1000017625
Monterey Bay Engineers	Survey; ROW Mapping	1000034040
Pacific Crest Engineering	Geotechnical Engineering	1000002215
Subtronic	Utility Locating	1000004188
Traffic Design Services	Traffic Counts	*

*TDS will perform non-prevailing wage work. They do not have a registered DIR number.