

June 15, 2010

Ron Bensel, Project Manager
County of Santa Barbara
123 East Anapamu Street
Santa Barbara, CA 93101

Subject: Proposal to Provide Additional Professional Design Services for the Summerland Circulation and Parking Improvements (Summerland Phase II) - Third Bid Set (Construction Phase 2B), Design of Custom Retaining Wall and Design Support During Construction, Project No. 862308.

Dear Mr. Bensel:

Willdan Engineering (Willdan) is pleased to submit this work plan proposal to provide additional professional engineering design for the third and final bid package for the Summerland Circulation and Parking Improvements Project. The additional Scope of work will include:

- 1) Design of approximately 70 linear feet of custom cantilever retaining wall in lieu of Caltrans Standard Type 5 Retaining Wall; including providing Geotechnical support for the custom retaining wall design;
- 2) Prepare new set of plans and technical specifications for this third phase of construction (Phase 2B);
- 3) Update the Lillie Avenue landscape irrigation and planting plans from the previous construction set for the Phase 2A CCO (between Colville and Valencia) to reference as-built condition and incorporate remaining work into the Phase 2B construction set;
- 4) Design of slope planting mitigation plan for the retaining wall impacts;
- 5) Conduct two public informational meetings with local groups (SUNPAC and Summerland Citizens Association); and,
- 6) Provide engineering design support during construction of these improvements.

This additional Scope of Work is required for the following reasons:

- 1) The contracted scope of work included a retaining wall design based on a Caltrans Standard Plan, with minor modifications as may be required. Due to site constraints, it will be more economical to install a custom design retaining wall in lieu of the Caltrans Standard wall design. If the graded slope above the new wall were to be constructed at a slope ratio of 2:1 Horizontal to Vertical, the exposed height of a portion of the wall will be up to twelve feet and the entire slope would need to be reconstructed. It has been determined that steepening the graded slope above the new wall to be at a slope ratio of 1.5:1 Horizontal to Vertical reduces the maximum exposed height of a portion of the wall to nine feet and reduces the amount of required slope grading. However, implementing the

- steepened slope design using the Caltrans Standard Plans for retaining walls will require a spread footing that extends eight feet into the slope and 16' vertical shoring during construction. The footing width would also require approximately 250 square feet of permanent Right of Way acquisition. Therefore, it is recommended that a custom design cantilever wall be used in lieu of the Caltrans Standard. The cantilever footing would extend under the sidewalk utilizing conventional spread footing retaining wall construction methods with temporary soldier piles for shoring. This approach eliminates the need for Right of Way acquisition and is estimated to cost about 30% less to construct. Any type of wall construction will require a temporary construction easement for the required slope grading in this area.
- 2) Due primarily to funding constraints, the original scoping for two phases of construction has been expanded to three phases and we are now on our third construction phase. This final construction phase will complete improvements on the north side of Lillie Avenue from Valencia Road to Temple Street (ARRA Area 3), and from Temple Street to the new retaining wall location west of Greenwell Avenue (Phase 2B). With this final bid set, a complete new specification package must be created using the most current Caltrans SSPs.
 - 3) The Phase 2A construction contract was extended to include improvements on Lillie Avenue from Colville to Valencia. A landscape irrigation and planting plan was included in the change order plan set for this area. Due to funding constraints, only portions of the irrigation and planting improvements were completed. Additional work will be required to update the plans to reference the as-built condition and provide new construction notes and specifications for completing the ultimate improvements as a part of the Phase 2B construction set.
 - 4) The construction of the new retaining wall on Lille Avenue will require removal of up to ten Eucalyptus trees on the existing slope above the new wall. Willdan will prepare a slope planting plan for mitigation of these impacts.
 - 5) Willdan has been requested to conduct two public meetings with local groups. Potential public meetings may include one with SunPAC and one with Summerland Citizens Association. Willdan will present the construction plans and landscaping features of the project just prior to issuance of the construction bid advertisement. The purpose of the meetings will be to inform the organizations of the approved design and to notify the community of the proposed construction schedule. This scope will include preparation of presentation exhibits and incorporation of minor aesthetic changes that may be required as a result of public meetings. Major design changes are not included.
 - 6) Willdan has been requested to provide Construction Phase Assistance which will include attending meetings, responding to request for information from bidders, shop drawing and change order reviews, and assisting with field changes if necessary.

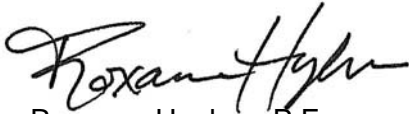
Due to funding availability, construction of these improvements may not be scheduled until FY 2011-2012. Therefore, we propose that the contract expiration date be modified to December 31, 2013.

This proposed additional scope and fee is outside of the scope of work currently being performed by Willdan under BC# 07-144. This contract was approved using Willdan's 2006 Fee Rate Schedule and our fees rates have not been adjusted for inflation to date. We are requesting that these additional services be based upon Willdan's current 2010 billing rates. We propose to provide the above described additional services for a not-to-exceed fee of **\$55,680** per the attached fee breakdown.

We very much appreciate this opportunity to propose the additional professional engineering services to the County. If you have any questions or need further clarification regarding this proposal, please do not hesitate to contact me at (805) 653-2210.

Respectfully submitted,

WILLDAN ENGINEERING



Roxanne Hughes, P.E.
Principal Project Manager

PROPOSED HOURS AND STAFF MATRIX

Summerland Circulation and Parking Improvements Construction Phase 2B Additional Work Proposal, BC#07-144; Project No. 862308

WILLDAN ENGINEERING	Principal Engineer	Project Manager	Principal L.A.	Associate L.A.	Associate Engineer	CAD Drafter	Admin. Clerical	Total Fee	Comments
Rate	\$200	\$180	\$180	\$115	\$135	\$100	\$65	(\$)	Current Willdan Fee Rates Effective Jan. 4, 2010
Task 1 - Custom Retaining Wall Improvements									
Structural Wall Calcs		20			14			\$ 5,490.00	
Plan and Profile of wall	2					30		\$ -	Included in Existing Contract Scope
Typical sections for wall		4			2	55		\$ 6,490.00	
Structural Wall Calcs Checking		2			10	10		\$ 2,710.00	
Wall Specifications	2	4			2			\$ -	Included in Existing Contract Scope
Geotech Report revision for Wall								\$ 2,500.00	
SUBTOTAL	4	30			28	95		\$ 17,190	
Task 2- Preparation of Third Bid Package									
Compile New Specifications	16	10			4		12	\$ 6,320.00	Does not include prep. of technical data which
Revise cover sheet Drawing		1			2			\$ 450.00	was included in existing contract scope
SUBTOTAL	16	11			6		12	\$ 6,770	
Task 3- Update LS Irrigation and Planting Plans									
Plan Sheet Updates			1	6	1			\$ 1,005.00	
Specification Update	1		2	4				\$ 1,020.00	
Cost Estimate	1		1	2				\$ 610.00	
SUBTOTAL	2		4	12	1			\$ 2,635	
Task 4- Slope Planting Mitigation Plan									
Plan Sheet			1	4	0.5			\$ 707.50	
Specifications	0.5		1.5					\$ 370.00	
Cost Estimate	0.5		0.5	2				\$ 420.00	
SUBTOTAL	1		3	6	0.5			\$ 1,498	
Task 5- Community Outreach									
Prepare/Update Graphic Boards	2	1		2	6	10		\$ 2,620.00	
Prepare Public Notices	2				2		4	\$ 930.00	
Conduct Two Presentations	10							\$ 2,000.00	
Incorporate Minor Aesthetic Revisions	2		1	2	2	1		\$ 950.00	
SUBTOTAL	16	1	1	4	10	11	4	\$ 6,500	
Task 6- Construction Support									
Attend Meetings (4)	2	12			12			\$ 4,180.00	
Review Shop Drawings (Walls etc)		4	2	3	12	2		\$ 3,245.00	
Review RFIs/Change orders		3	1	2	14			\$ 2,840.00	
Field Design									
Wall		4			8	2		\$ 2,000.00	
Curb/Sidewalk/driveway Delineation		2			8			\$ 1,440.00	
Street Lights					2			\$ 270.00	
Signage/stripping		1			2	4		\$ 850.00	
Site Visits (4)		4	3		12	2		\$ 3,080.00	
Project Management	2	8			8		4	\$ 3,180.00	
SUBTOTAL	4	38	6	5	78	10	4	\$ 21,085	
TOTAL	43	80	14	27	124	116	20	\$ 55,678	