

ATTACHMENT H

Replace Bridge - 4 lane
 Replace on existing alignment - Staged Construction
 Bridge length 61' (Assumed to increase hyd capacity)
 Min opening width due to drift - NA
 Structure width - 2-1.5' rails, 2-5' sidewalks, 2-5' shoulders, 4-12' lanes, 14' median = 85'

C. Davis
8/20/2012

Placerville Drive - Bridge 25C-0029

Replace Bridge	Length	Width	Area	Cost	HBP Participating	Not HBP Participating	
PS Slab	ft	ft	sq ft	\$/sq ft			SF cost includes 20% increase for stage const
	61	83.5	5093.5	220	\$ 1,120,570.00	\$ -	
Bridge Removal	Length	Width	Area	Cost			
RC T-Girder/Conc Substruc	ft	ft	sq ft	\$/sq ft			
	41	27.9	1143.9	25	\$ 26,597.50	\$ -	
Slope Protection	Assuming \$15k at each abutment				\$ 30,000.00	\$ -	
Channel Work	Channel restoration - Assume \$75k Environmental mitigation assume \$130k				\$ 205,000.00	\$ -	
Staged Construction (Cost included in Bridge SF Cost)					\$ -	\$ -	
Approach Roadway	Assuming 560' west ap, 250 east a, 750' total @ \$25/sq ft - taper width from 82' proposed to 40' exist						
	Length	Width (avg)	Area	Cost			
	ft	ft	sq ft	\$/sq ft			
	810	60	48600	18	\$ 874,800.00	\$ -	
Utilities	water/sewer (prior rights)				\$ 75,000.00	\$ -	
Mobilization (10%)					\$ 233,396.75	\$ -	
Total					\$ 2,567,364.25	\$ -	
Construction Programming Total					\$ 2,567,000.00	\$ -	

PE Rate 25% Assuming \$240 K Prelim Engineering and Env Doc Revalidation, \$400K Final Design/PS&E
 CE Rate 15%
 Contingency Rate 25%

	Direct Cost		Indirect Costs	HBP Participating Costs	Target Dates		
PE	\$ 641,750.00			\$ 641,750.00	10/1/2012		
RW				\$ 100,000.00	1/1/2014		
CON	\$ 2,567,000.00						
CE	\$ 385,050.00						
Cont	\$ 641,750.00						
Subtotal	\$ 3,593,800.00		\$ -	\$ 3,593,800.00	1/1/2015		\$ -
Total Participating				\$ 4,335,550.00			
PE	HBP %	88.53%	RW - Con	HBP %	88.53%		
PE	Local Match %	11.47%	RW - Con	Local Match	11.47%		

		Federal Fiscal Year (FFY)					Total		Check Total
		12/13	13/14	14/15	15/16	16/17	HBP	Local Match	
		35%	50%	10%	5%	0%			
PE	HBP	\$ 198,849.45	\$ 284,070.64	\$ 56,814.13	\$ 28,407.06		\$ 568,141.28		
	Local	\$ 25,763.05	\$ 36,804.36	\$ 7,360.87	\$ 3,680.44			\$ 73,608.73	\$ 641,750.00
RW	HBP		\$ 61,971.00	\$ 26,559.00	\$ -		\$ 88,530.00		
	Local		\$ 8,029.00	\$ 3,441.00	\$ -			\$ 11,470.00	\$ 100,000.00
CON, CE, CONT	HBP				\$ 3,181,591.14	\$ -	\$ 3,181,591.14		
	Local				\$ 412,208.86	\$ -	\$ 0	\$ 412,208.86	\$ 3,593,800.00
Total		\$ 224,612.50	\$ 320,875.00	\$ 64,175.00	\$ 32,087.50	\$ -	\$ 3,838,262.42	\$ 497,287.59	\$ 4,335,550.00
							88.53%	11.47%	

Schedule Assumptions

NEPA/ CEQA revalidation	1 years
Final Design + RW	1 years
Construction	1 years