PROJECT

PLANNING COST ESTIMATE

EA: DS-123456 PID: DS1234567

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District-County-Route: 04-SON-NA PM: NA

Type of Estimate : Planning Level

Program Code : NA

Project Limits : Caulfield Lane Extension & Bridge

Project Description: Caulfield Lane Extension & Bridge - City of Petaluma's "Southern Connection"

Scope :

Alternative : Preferred - Single Span - Dual Rolling Leaf Bascule Bridge w/Overhead Counterweight; 200' Horiz Clear

SUMMARY OF PROJECT COST ESTIMATE

	(Current Year Cost	E	scalated Cost	
TOTAL ROADWAY COST	\$	2,777,321	\$	3,040,738	
TOTAL STRUCTURES COST	\$	28,532,930	\$	31,239,156	
SUBTOTAL CONSTRUCTION COST	\$	31,310,251	\$	34,279,894	
TOTAL RIGHT OF WAY COST	\$	-	\$	-	
TOTAL CAPITAL OUTLAY COSTS	\$	31,311,000	\$	34,280,000	
PR/ED SUPPORT	\$	750,000	\$	750,000	
PS&E SUPPORT	\$	3,925,000	\$	3,925,000	
RIGHT OF WAY SUPPORT	\$	200,000	\$	200,000	
CONSTRUCTION SUPPORT	\$	3,750,000	\$	3,750,000	
TOTAL SUPPORT COST	\$	8,625,000	\$	8,625,000	
TOTAL PROJECT COST	\$	39,950,000	\$	42,950,000	

If Project has been programmed enter Programmed Amount

		<u>Month</u>	/	<u>Year</u>	
	Date of Estimate (Month/Year)	11	/	2021	
	Estimated Construction Start (Month/Year)	1	/	2024	
		Number of Working Days =	=	652.5	
Estim	ated Mid-Point of Construction (Month/Year)	3	/	2025	
	Estimated Construction End (Month/Year)	6	/	2026	
	Number o	f Plant Establishment Days		0	
	Estimated Project Schedule				
	PID Approval	xx/xx/xxxx			
	PA/ED Approval	xx/xx/xxxx			
	PS&E	xx/xx/xxxx			
	RTL	xx/xx/xxxx			
	Begin Construction	xx/xx/xxxx			
Reviewed by District O.E. or Cost Estimate Certifier		xx/xx/xxxx		(xxx) xxx-xxxx	
-	Office Engineer / Cost Estimate Certifier	Date		Phone	
Approved by Project Manager		xx/xx/xxxx		(xxx) xxx-xxxx	
-	Project Manager	Date		Phone	

I. ROADWAY ITEMS SUMMARY

	Section		Cost
1	Earthwork	\$	46,500
2	Pavement Structural Section	\$	198,521
3	Drainage	\$	42,800
4	Specialty Items	\$	15,000
5	Environmental	\$	259,700
6	Traffic Items	\$	103,000
7	Detours	\$	
8	Minor Items	\$	103,200
9	Roadway Mobilization	\$	76,900
10	Supplemental Work	\$	78,500
11	State Furnished	\$	30,800.00
12	Time-Related Overhead	\$	1,359,500.00
13	Roadway Contingency	\$	462,900.00
	TOTAL ROADWAY ITEM	S \$	2,777,321
timate Prepared By :	Name and Title	Date	Phone
timate Reviewed By			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

SECTION 1: EARTHWORK

Item code		Unit	Quantity		Unit Price (\$)		Cost
190101	Roadway Excavation	CY	200	х	100.00	=	\$ 20,000
19010X	Roadway Excavation (Type X) ADL	CY		х	120.00	=	\$ -
194001	Ditch Excavation	CY		Х		=	\$ -
19801X	Imported Borrow	CY		Х	5.00	=	\$ -
192037	Structure Excavation (Retaining Wall)	CY		Х	100.00	=	\$ -
193013	Structure Backfill (Retaining Wall)	CY		х	80.00	=	\$ -
193031	Pervious Backfill Material (Retaining Wall)	CY		х		=	\$ -
16010X	Clearing & Grubbing	LS	1	х	15,000.00	=	\$ 15,000
170101	Develop Water Supply	LS	1	х	10,000.00	=	\$ 10,000
						=	\$ -
210130	Duff	ACRE	1	х	1,500.00	=	\$ 1,500
XXXXXX	Some Item	Unit					

TOTAL EARTHWORK SECTION ITEMS \$ 46

46,500

SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code		Unit	Quantity		Unit Price (\$)			Cost		
401050	Jointed Plain Concrete Pavement	CY		х		=	\$	-		
400050	Continuously Reinforced Concrete Pavement	CY		х		=	\$	-		
404092	Seal Pavement Joint	LF		х		=	\$	-		
404093	Seal Isolation Joint	LF		х		=	\$	-		
413117	Seal Concrete Pavement Joint (Silicone)	LF		х		=	\$	-		
413118	Seal Pavement Joint (Asphalt Rubber)	LF		х		=	\$	-		
280010	Rapid Strength Concrete Base	CY		х		=	\$	-		
410095	Dowel Bar (Drill and Bond)	EA		х		=	\$	-	ТНК	
	Hot Mix Asphalt (Type A)	TON	323	х	220.00	=	\$	71,060	0.50'	
	Rubberized Hot Mix Asphalt (Gap Graded)	TON	97	х	250.00	=	\$	24,250	0.15'	
	Geosynthetic Pavement Interlayer (Type X)	SQYD		х		=	\$	-		
260203	Class 2 Aggregate Base	CY	582	х	160.00	=	\$	93,120	0.90'	
290201	Asphalt Treated Permeable Base	CY		х		=	\$	-		
250201	Class 2 Aggregate Subbase	CY	647	х	105.00	=	\$	67,935	1.00'	
374002	Asphaltic Emulsion (Fog Seal Coat)	TON		х		=	\$	-		
		TON	0.44	х	2,000.00	=	\$	880		
377501	Slurry Seal	TON		х		=	\$	-		
3750XX	Screenings (Type XX)	TON		х		=	\$	-		
	Asphaltic Emulsion (Polymer Modified)	TON		х		=	\$	-		
370001		TON		х		=	\$	-		
731521	Minor Concrete (Sidewalk)	SQFT	3,464	х	8.00	=	\$	27,712		
730020	Minor Concrete (Curb)	LF	377	х	30.00	=	\$	11,310		
	Place Hot Mix Asphalt Dike (Type X)	LF		х		=	\$	-		
150771	Remove Asphalt Concrete Dike	LF		х		=	\$	-		
420201	•	SQYD		х		=	\$	-		
150860	Remove Base and Surfacing	CY		х		=	\$	-		
390095	Replace Asphalt Concrete Surfacing	CY		х		=	\$	-		
15312X	Remove Concrete	LF/CY/LS		х		=	\$	-		
394090	Place Hot Mix Asphalt (Miscellaneous Area)	SQYD		х		=	\$	-		
	,	SQYD		х		=	\$	-		
39405X	Shoulder Rumble Strip (HMA, X-In Indentations)	STA		х		=	\$	-		
	Repair Spalled Joints, Polyester Grout	SQYD		х		=	\$	-		
		SQYD		х		=	\$	-		
390136	Minor Hot Mix Asphalt	TON		х		=	\$	-		
394095	Roadside Paving (Miscellaneous Areas)	SQYD		х		=	\$	-		
XXXXXX	Some Item	Unit		х		=	\$	-		
			TOTAL PA	VEM	ENT STRUCTU	RAL	. SEG	CTION ITEMS	\$ 198,5	21
		L								

SECTION 3: DRAINAGE

Item code		Unit	Quantity		Unit Price (\$)		Cost
15080X	Remove Culvert	EA/LF	-	х		=	\$ -
150820	Modify Inlet	EA		х		=	\$ -
155232	Sand Backfill	CY		х		=	\$ -
15020X	Abandon Culvert	EA/LF		х		=	\$ -
152430	Adjust Inlet	LF		х		=	\$ -
155003	Cap Inlet	EA		х		=	\$ -
510501	Minor Concrete	CY		х		=	\$ -
510502	Minor Concrete (Minor Structure)	CY		х		=	\$ -
5105XX	Minor Concrete (Type XX)	CY		х		=	\$ -
620XXX	18" Alternative Pipe Culvert (Type X)	LF	240	х	120.00	=	\$ 28,800
6411XX	XX" Plastic Pipe	LF		х		=	\$ -
65XXXX	XX" Reinforced Concrete Pipe (Type X)	LF		х		=	\$ -
6650XX	XX" Corrugated Steel Pipe (0.XXX" Thick)	LF		х		=	\$ -
68XXXX	XX" Plastic Pipe (Edge Drain)	LF		х		=	\$ -
69011X	XX" Corrugated Steel Pipe Downdrain (0.XXX" Thi	LF		х		=	\$ -
70321X	XX" Corrugated Steel Pipe Inlet (0.XXX" Thick)	LF		х		=	\$ -
70XXXX	XX" Corrugated Steel Pipe Riser (0.XXX" Thick)	LF		х		=	\$ -
7050XX	XX" Steel Flared End Section	EA		х		=	\$ -
703233	Grated Line Drain	LF		х		=	\$ -
72XXXX	Rock Slope Protection (Type and Method)	CY/TON		х		=	\$ -
72901X	Rock Slope Protection Fabric (Class X)	SQYD		х		=	\$ -
721420	Concrete (Ditch Lining)	CY		х		=	\$ -
721430	Concrete (Channel Lining)	CY		Х		=	\$ -
750001	Miscellaneous Iron and Steel	LB		Х		=	\$ -
XXXXXX	Drainage Inlet	EA	4	Х	3,500.00	=	\$ 14,000

TOTAL DRAINAGE ITEMS \$ 42,800

SECTION 4: SPECIALTY ITEMS

ltem code		Unit	Quantity		Unit Price (\$)		Cost
080050	Progress Schedule (Critical Path Method)	LS	1	х	15,000.00	=	\$ 15,000
582001	Sound Wall (Masonry Block)	SQFT		х	,	=	\$ -
510530	Minor Concrete (Wall)	CY		х		=	\$ -
15325X		LF/LS		х		=	\$ -
070030	Lead Compliance Plan	LS		х		=	\$ -
141120	Treated Wood Waste	LB		х		=	\$ -
153221	Remove Concrete Barrier	LF		х		=	\$ -
150662	Remove Metal Beam Guard Railing	LF		х		=	\$ -
150668	Remove Flared End Section	EA		х		=	\$ -
8000XX	Chain Link Fence (Type XX)	LF		х		=	\$ -
80XXXX	XX" Chain Link Gate (Type CL-6)	EA		х		=	\$ -
832001	Metal Beam Guard Railing	LF		х		=	\$ -
839301	Single Thrie Beam Barrier	LF		х		=	\$ -
839310	Double Thrie Beam Barrier	LF		х		=	\$ -
839521	Cable Railing	LF		х		=	\$ -
8395XX	Terminal System (Type CAT)	EA		х		=	\$ -
839585	Alternative Flared Terminal System	EA		Х		=	\$ -
839584	Alternative In-line Terminal System	EA		Х		=	\$ -
	CIDH Concrete Piling (Insert Diameter)	LF		Х		=	\$ -
839XXX	Crash Cushion (Insert Type)	EA		Х		=	\$ -
83XXXX	Concrete Barrier (Insert Type)	LF		Х		=	\$ -
520103	Bar Reinforced Steel (Retaining Wall)	LB		Х		=	\$ -
510060	Structural Concrete, Retaining Wall	CY		Х		=	\$ -
513553	5 (, , ,	SQFT		Х		=	\$ -
511035	Architectural Treatment	SQFT		Х		=	\$ -
598001	Anti-Graffiti Coating	SQFT		Х		=	\$ -
203070		SQFT		Х		=	\$ -
	Reinforced Concrete Crib Wall (Type X)	SQFT		Х		=	\$ -
	Transition Railing (Type X)	EA		Х		=	\$ -
597601	Prepare and Stain Concrete	SQFT		Х		=	\$ -
839561	Rail Tensioning Assembly	EA		Х		=	\$ -
83958X	5 (51)	EA		Х		=	\$ -
XXXXXX	Some Item	Unit		х		=	\$ -

TOTAL SPECIALTY ITEMS

15,000

\$

SECTION 5: ENVIRONMENTAL

Image Unit Quantity Unit Price (s) Cott 130707 Temporary Reine (Type ESA) LF 600 x 6.000 x 5 50.000 58 LANDSCAPE AND IRRIGATION LF 600 x 6.000 x 5 0.000 x 0.000 x 5 0.000 x x 0.000 x 0.000 x x x	54 - ENV	IRONMENTAL MITIGATION									
Biological Mispaton I.S. 1 x 50,000.00 = 50.000 141000 Temporary Ferror (Type ESA) LF 000 x 15.00 = \$ 0.000 58 - LANDSCAPE AND IRRIGATION Item cots 0117 Cost \$ 2.000 20000X Highway Planting I.S 1 x 40,000.00 = \$ 40,000 20400P Plant EstableInternet Work LS 1 x 40,000.00 = \$ - 20400P Plant EstableInternet Work LS x = \$ - - 20400P Vanto Tompator Finditer LS x = \$ - - 20100X Maintan EstableInternet Work LS x = \$ - - - - - - - - - - - - - - - - - - - - - - -			Unit	Quantitv		Unit Price (\$)			Cost		
13070 Temporery Reinforced Sili Fence LF 600 × 1.6.00 = S 3.0.00 88<-LANDSCAPE AND IRRIGATION		Biological Mitigation		-	х	. ,	=	\$			
141000 Temporary Fence (Type ESA) LF 600 x 15.00 = \$ 9.00 SB - LANDSCAPE AND RENGATION Imm code Unit Price (S) Cost Cost 20XXXX (Highway Planting LS 1 x 40.000.00 = \$ 40.000 20XXXX (Fighway Planting LS 1 x 40.000.00 = \$ 40.000 20409 Plant Establishment Work LS 1 x 30.00.00 = \$ 40.000 204000 Plant Establishment Work LS x = \$ - - 204000 Value Instablishment Work LS x = \$ - 200000 Kalmana Establishment Work LS x = \$ - 200000 Kalmana Establishment Work LS x = \$ - 200000 Kalmana Establishment Work LS x = \$ - 200000 Kalmana Establishment Nork LF K = \$ - 200000 Kalmana Establishment Nork LF X = \$ - 200000 Kalmana Establishment Nork LF X = \$ - 200000 Kalmana Establishment Nork LF X = \$ <td>130670</td> <td>• •</td> <td></td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td></td>	130670	• •				,					
Set - LANDS CAPE AND IRRIGATION Subtlease in the intervention of t									,		
Set - LANDSCAPE AND IRRIGATION Unit Price (s) Cost Unit Price (s) Cost 20XXXX Highway Planting LS 1 20XXXX Follow-up Landscape Project LS = 5 20XXXX Follow-up Landscape Project LS = 5 - 20XXXX Follow-up Landscape Project LS = 5 - 20XXX Kolk Mich, DD, Gravel Much Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2" Colspan="2" Colspan="2" Colspan="2" Colspan="2"			_ .	000	~					\$	62.600
num cost Unit Quantity Unit (0.0000) Cost 2000XX Impaired New Plonting LS 1 x 0.0000 = \$ 0.0000 2000XX Impaired New Plonting LS 1 x 0.0000 = \$ 0.0000 2000XX Impaired New Plonting LS x = \$. 20101 Extend Plant Establishment Work LS x = \$. 2000XX Folder Instanting Impaired Areas LS x = \$. 2000XX Check and Test Existing Impaired Predict Areas LS x = \$. 2000XX Check Gemination or Planted Areas LS x = \$. 2000XX Rock Banket, Rock Mulch, DG, Gravel Mulch DG/T/SQVD x = \$. 2000XX Rock Gemination or Impaired Areas LF x = \$. 2000XX Rock Mulch, DG, Gravel Mulch DG/T/SQVD x = \$. 2000X Rock Mulch <td< td=""><td>5B - LAN</td><td>DSCAPE AND IRRIGATION</td><td></td><td></td><td></td><td></td><td></td><td>•••••</td><td><u></u></td><td>*</td><td>,</td></td<>	5B - LAN	DSCAPE AND IRRIGATION						•••••	<u></u>	*	,
20000XX Highway Planting LS 1 x 40.000.00 s S 40.000.00 20409 Plant Estabilisment Work LS x = S - 20409 Plant Estabilisment Work LS x = S - 20000XX Follow-up Landsanpe Project LS x = S - 20000XX Follow-up Landsanpe Project LS x = S - 20000XX Kaladame Mork LS x = S - 20000X Kaladame Mork LS x = S - 20010X Mark Mark Table Mark Mark E S - - 20010X Xork Mark Mark Mark E S - - 20010X Xork Mark Mark Mark Cost - - - 20100X Xork Mark Mark Mark S 0.000 = S -			Unit	Quantitv		Unit Price (\$)			Cost		
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20409Plant Establishment WorkLS×=S204010External Plant Establishment WorkLS×=S20XXXXRolkw-up Landcope ProjectLS×=S20XXXXRolkw-up Landcope ProjectLS×=S20XXXXRolk and Test Estimating Imgalion PacifiliesLS×=S200000Kand Test Estimating Imgalion PacifiliesLS×=S200101LS×=S-200202Weed GerminationSQYD×=S-200304Water MeterEA×=S-200305XCM Conduit (Use for Extension of Infgation LF×=S-201305Heard X* Conduit (Use for Extension of Infgation LF×=S-210107Move InMove Out (Lossion Control)LA2×2S50,000-2101020Move InMove Out (Lossion Control)LA2×2S50,0002101205Herr KolsLF×=s2101205More IndianLF×=s2101205Herr KolsLF12,0000S3,0002101205More IndianSUH112,0000.300s3,0002101205More IndianSUH112,0000.300s1,000- <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
204101 Extend Plant Establishment Work LS x = S - 150685 Remove Indigator Facility LS x = S - 2000XX Followington or Planted Areas) LS x = S - 2000XX Rock and Test Existing Irrigation Facilities LS x = S - 2000XX Rock Blanket, Rock Mulch, DG, Gravel Mulch SOT/TSQVD x = S - 2003XX Rock Blanket, Rock Mulch, DG, Gravel Mulch SOT/TSQVD x = S - 2003XX Contain (Law for Irrigation >-overs) LF x = S - 20103W Cardual (Law for Irrigation >-overs) LF x = S - 20103W Kordeal Hole Matrix LP 500 × 3:00 = S - 20103W More Infindove Out (Law for S Cost 2:0000 > 3:000 = S - 21040W Straw<		•				00,000.00			-		
200XXX Follow-up Landscape Project LS x = S - 150685 Renove Ingation Facility LS x = S - 200XXX Maritain Existing (irrigation a Planted Areas) LS x = S - 200XXX Ka Kan And Test Existing (irrigation Practities LS x = S - 201111 Imported Topsoli (X) Cork Mulch, DG, Gravel Mulch CVTTON x = S - 201212 Weed Carrination SQYD x = S - 20100 Check Mulch, DG, Gravel Mulch SQYD x = S - 201030 Hole for Extension of Irrigation x-svers) LF x = S - 2101030 Hore Rolds LP 500 3:00 = S 5.000 2101200 Hore Rolds LP 500 3:00 = S - 2101200 Hore Rolds LP 12:00 0:75 S									_		
1508B5 Remove Indigation Facility LS x = \$ - 200400 Check and Test Existing Inrigation Facilities LS x = \$ - 200400 Check and Test Existing Inrigation Facilities LS x = \$ - 200400 Check and Test Existing Inrigation Facilities LS x = \$ - 200400 Check and Test Existing Inrigation and Properties Existing Conduit (Use for Extension of Inrigation Access) Existing Conduit (Use for Extension of Inrigation Access) Existing Conduit (Use for Extension of Inrigation Access) Existing Conduit (Use for Extension Control) Existing Conduit									_		
202XXX Maintain Existing (Irrigation or Planted Areas) LS x = s - 204000 Check and Test Educting Irrigation Facilities LS x = s - 2011111 Imported Topsol (X) CY/TON X = s - 20122 Weed Germination SQYD X = s - 20303 Vater Meter EA X = s - 203034 Vater Meter EA X = s - 203034 Vater Meter CA X = s - 203034 Vater Meter CA X = s - 210100 More Infilter Obt LF 2 Subtotal Landscape and Irrigation S 70.000 210303 Hole Prosion Control More Note LF 2 Subtotal Landscape and Irrigation S 70.000 210303 Hole Prosion Control Product (X) SUF1 X S 3.00									_		
20400 Check and Test Existing Infragation Facilities LS x = \$ - 20101X Imported Topsol (X) CYTON x = \$ - 2000XX Rock Blanker, Rock Mulch, DG, Gravel Mulch SQYD x = \$ - 20112X Weder Meter EA x = \$ - 2089X XX* Conduit (Use for Infragation x-overs) LF x = \$ - 2089X XX* Conduit (Use for Infragation x-overs) LF x = \$ - 2089X Extend X* Conduit (Use for Infragation x-overs) LF x = \$ - 201020 Weder Meter Control Note Inflowe Out (Ecosion Control) EA 2 X 25,000.00 = \$ 5.00.00 2110300 Premote Unit Cuantity X 3.00 = \$ - 2110300 Prepare SWPP LS 1 x 15.000 - 2.1000		•							_		
21011X Imported Topsol (X) CY/TON x = \$ - 2001XX Rock Banket, Rock Mulch, DG, Gravel Mulch SGYD x = \$ - 200122 Weed Germination SGYD x = \$ - 200304 Water Meter EA 2 x x = \$ - 200304 Unit Processon Unit Quantity Subtolat Landscape and Irrigation \$ 70.000 210300 Inter Notes L+ 500 X = \$ - 210304 Inter Notes L+ 500 X = \$ - 210304 Inter Notes Subrit X = \$ - - 210304 Inter Notes Subrit X 0.75 \$ 9.000									-		
20XXXX Rock Blankel, Rock Mulch, DC, Gravel Mulch VOPT/SQVD × = s - 203012 Wede Germination EA × = \$ - 20307X XX* (Croundul (Use for Irrigation - xovers) LF × = \$ - 20307X XX* (Croundul (Use for Extension of Irrigation - xovers) LF × = \$ - 20307X XX* (Croundul (Use for Extension of Irrigation - xovers) LF × = \$ - 20300X XX* (Croundul (Use for Extension of Irrigation - xovers) LF × = \$ - 210300 Her Kolls LP 500 X 3.00 = \$ - 210300 Pripote Matrix UP 12000 X 3.00 = \$ - 210420 Vigrosed SUH 12.000 X 0.75 \$ 9.000 210420 Urgrosed SUH 12.000 X 0.30 \$ \$ \$		0 0							-		
20122 Weed Germination SCYD × = \$ - 208304 Xatra Meter EA × = \$ - 2087XX XX* Canduit (Use for Irrigation x-overs) LF × = \$ - 208904 Xatra X* Canduit (Use for Extension of Irrigation X-overs) LF × = \$ - Science Subtatal Landscape and Irrigation X-overs) LF × = \$ - Statistic Condet Unit Y* Cenduit (Use for Extension Control) EA 2 × 25,000.00 = \$ 6,0,000 210300 More In/More Unit (Erosion Control) EA 2 × 25,000.00 = \$ 1,500 210420 More In/More Unit Nove In/More Unit (Erosion Control Y South I × 1,200 × 0,30 = \$. 2104200 More In/More Maternais SU+1 × 1,200 × 0,30 = \$. 2104200 Iracode Unit		,		`					-		
203304 Water Metter EA × = \$ - 2037XX XX* = \$ - - 2039XX XX* = \$ - - 2039XX XX* = \$ - - 2039XX XX* = \$ - - 6C - EROSION CONTROL LF X = \$ - - 210309 Denpost Sock LF \$ 25,000.00 = \$ 5,000 210309 Denpost Sock LF \$ \$ 0.00 \$ \$ 1,500 21020X Noted Inter Matrix CF I/ACRE X = \$ - 2 21020X Mored Inter Matrix CF I/ACRE X 0.30 = \$ - - 210300 Urpromotich SUF1 12,000 X 0.375 = \$ - - - - - - - - - - - - - - - -<)					-		
2027XX XX* Conduit (Use for Irrigation Xovers) Xovers) LF X = \$ - 20300X Xeroten X* Conduit (Use for Extension of Irrigation Xovers) LF X = \$ - SC-EROSION CONTROL EM Quantry Subtate Lancasce and rigation \$ 70,000 2710320 Univer Inflowe Dut (Erosion Control) EA 2 X 25,000.00 = \$ \$ 0.000 2710320 Univer Mole LH 500 X 3.00 = \$ \$ 0.000 2710320 More Inflowe Dut (Erosion Control Product (X) SUH X = \$ - X 25,000.00 = \$ \$ 0.000 = \$ \$ 0.000 X X 0.000 = \$ \$ 0.000 X 0.000 X 0.000 X X X X X X X X X X X									-		
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210300 Hier Rolls Li 500 x 50000 = 5 5,500 210380 Compost Sock Li x = s - 2102XX Moled Erosion Control Product (X) SQF1 x = s - 2102XX Moned Floer Matrix QF 1/ACKE x = s - 210300 Hydromulch SQF1 12,000 x 0.75 \$ 9,000 210430 Hydroseed SQF1 12,000 x 0.30 = \$ 3,600 210430 Hydroseed SQF1 1 x = \$ - - 210430 Hydroseed SQF1 x = \$ - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <t< td=""><td>Item code</td><td></td><td>Unit</td><td>Quantity</td><td></td><td>Unit Price (\$)</td><td></td><td></td><td>Cost</td><td></td><td></td></t<>	Item code		Unit	Quantity		Unit Price (\$)			Cost		
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21023X Bonded Holer Matrix QH H/ACRE x = \$ - 210300 Hydromulch SQH i 12,000 x 0.75 = \$ 9,000 210420 Straw SQH i 12,000 x 0.75 = \$ 9,000 210430 Mydromulch SQH i 12,000 x 0.30 = \$ 3,600 210430 Incorporate Matenais SQH i x i = \$ - 210430 Incorporate Matenais SQH i x i = \$ - 210430 Incorporate Matenais SQH i x i = \$ 64,100 30300 Prepare SWPPP LS 1 x 7,500,00 = \$ 10,000 130100 Job Site Management LS 1 x 7,500,00 = \$ 10,000 130303 remporar Manual Report EA 2 \$,000,00 = \$ 5,000 130302 imporary Hydroseed SQYD x = \$ <td< td=""><td>2102XX</td><td>Rolled Erosion Control Product (X)</td><td>SQFT</td><td></td><td>х</td><td></td><td>=</td><td></td><td>-</td><td></td><td></td></td<>	2102XX	Rolled Erosion Control Product (X)	SQFT		х		=		-		
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210420 Straw SUP-I x = s - 210430 Hydroseed SUP-I 12,000 × 0.30 = \$ 3,600 210600 Compost SUP-I × = \$ - 210630 Incorporate Materials SUP-I × = \$ - 5D - NPDES Subtotal Erosion Control \$ 64,100 130200 Prepare SWPPP LS 1 × 15,000.00 = \$ 15,000 130200 Prepare WPCP LS 1 × 15,000.00 = \$ 10,000 130300 Storm Water Annual Report EA 10 × 20,000.00 = \$ 20,000 130320 Storm Water Annual Report EA 10 × 50,000.00 = \$ 10,000 130320 Storm Water Sampling and Analysis Day EA 10 × = \$ - - 130505 Move-In/Move-Out (Temporary Erosion Control) EA 1 × 5,500.00 =	210300	Hydromulch	SQFI	12 000	х	0.75	=		9 000		
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XXXXXX Some Item LS x = \$ - Subtotal Supplemental Work for NDPS \$ 15,000				1		15,000.00	=		15,000		
					х		=		-		
*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs						Subtotal Supple	mer	ital V	Vork for NDPS	\$	15,000

 $^{\star}\mbox{Applies}$ to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

860460 860201 860990	Lighting and Sign Illumination Signal and Lighting	LS	1				
	Signal and Lighting			х	50,000.00	=	\$ 50,000
860000		LS		х		=	\$ -
000990	Closed Circuit Television System	LS		х		=	\$ -
86110X	Ramp Metering System (Location X)	LS		х		=	\$ -
86070X	Interconnection Conduit and Cable	LF/LS		х		=	\$ -
5602XX	Furnish Sign Structure (Type X)	LB		х		=	\$ -
5602XX	Install Sign Structure (Type X)	LB		х		=	\$ -
498040	XX" CIDHC Pile (Sign Foundation)	LF		х		=	\$ -
86080X	Inductive Loop Detectors	EA/LS		х		=	\$ -
8609XX	Traffic Monitoring Station (Type X)	LS		х		=	\$ -
15075X	Remove Sign Structure	EA/LS		х		=	\$ -
151581	Reconstruct Sign Structure	EA		х		=	\$ -
152641	Modify Sign Structure	EA		х		=	\$ -
860090	Maintain Existing Traffic Management System Eler	LS		х		=	\$ -
86XXXX	Fiber Optic Conduit System	LS		х		=	\$ -
XXXXX	Some Item	LS		х		=	\$ -

Subtotal Traffic Electrical \$

50,000

6B - Traffic Signing and Striping

Item code		Unit	Quantity		Unit Price (\$)		Cost
566011	Roadside Sign - One Post	EA	10	х	300.00	=	\$ 3,000
566012	Roadside Sign - Two Post	EA		х		=	\$ -
5602XX	Furnish Sign	SQFT		х		=	\$ -
568016	Install Sign Panel on Existing Frame	SQFT		Х		=	\$ -
150711	Remove Painted Traffic Stripe	LF		х		=	\$ -
141101	Nentove reliuw rainieu franic Sinpe (Frazaruous Mosto)	LF		Х		=	\$ -
150712	Remove Painted Pavement Marking	SQFT		Х		=	\$ -
150742	Remove Roadside Sign	EA		х		=	\$ -
152320	Reset Roadside Sign	EA		Х		=	\$ -
152390	Relocate Roadside Sign	EA		х		=	\$ -
82010X	Delineator (Class X)	EA		х		=	\$ -
840502	Thermoplastic Traffic Stripe (Enhanced Wet Night	LF		х		=	\$ -
846012	Thermoplastic Crosswalk and Pavement Marking (SQFT		х		=	\$ -
120090	Construction Area Signs	LS		х		=	\$ -
84XXXX	Permanent Pavement Delineation	LS		х		=	\$ -

			Subtotal Traff	fic Signing and	d Striping	\$ 3,000
6C - Traffic Management Plan						
Item code	Unit	Quantity	Unit Price (\$)		Cost	
12865X Portable Changeable Message Signs	FA/LS		X	= \$	-	

			••••••(•)		-		
12865X Portable Changeable Message Signs	EA/LS	х		=	\$	-	

Subtotal Traffic Management Plan	\$ -

6C - Stage Construction and Traffic Handling

Item code	_	Unit	Quantity		Unit Price (\$)			Cost		
120199	Traffic Plastic Drum	EA		х		=	\$	-		
12016X	Channelizer (Type X)	EA		х		=	\$	-		
120120	Type III Barricade	EA		х		=	\$	-		
129100	Temporary Crash Cushion Module	EA		х		=	\$	-		
120100	Traffic Control System	LS	1	х	50,000.00	=	\$	50,000		
129110	Temporary Crash Cushion	EA		х		=	\$	-		
129000	Temporary Railing (Type K)	LF		х		=	\$	-		
120149	Temporary Pavement Marking (Paint)	SQFT		х		=	\$	-		
82010X	Delineator (Class X)	EA		х		=	\$	-		
XXXXXX	Some Item	Unit		х		=	\$	-		
			Subto	tal S	tage Constructio	on ai	nd Tra	affic Handling	\$ 50,	,000

TOTAL TRAFFIC ITEMS \$ 103,000

SECTION 7: DETOURS
Includes constructing, maintaining, and removal

Item code		Unit	G	Quantity		Unit Price (\$)			Cost	
190101 Roadway Excavation		CY			Х		=	\$	-	
19801X Imported Borrow		CY/TON			х		=	\$	-	
390132 Hot Mix Asphalt (Type A)		TON TON/CY			X		=	\$ ¢	-	
26020X Class 2 Aggregate Base 250401 Class 4 Aggregate Subbas		CY			x x		=	\$ \$	-	
130620 Temporary Drainage Inlet F		EA			x		=	Ψ \$	-	
129000 Temporary Railing (Type K		LF			x		=	\$	-	
128601 Temporary Signal System		LS			х		=	\$	-	
120149 Temporary Pavement Mark		SQFT			х		=	\$	-	
80010X Temporary Fence (Type X) XXXXXX Some Item		LF Unit			X		=	\$ \$	-	
		Unit			х		-	φ	-	
						ΤΟΤΑ	L DE	TOUF	RS	\$
					S	SUBTOTAL SE	ECTI	ONS	1 through 7	\$ 665,52 ⁻
SECTION 8: MINOR ITEMS										
A - Americans with Disabilities Act	t Items									
ADA Items B - Bike Path Items						2.5%		\$	16,638	
Bike Path Items						5.0%		\$	33,276	
3C - Other Minor Items Other Minor Items						8.0%	_	\$	53,242	
1	Total of Section 1-7		\$	665,521	x	15.5%	=	\$	103,156	
						TOTAL	MINC		EMS	\$ 103,200
SECTIONS 9: MOBILIZATION	J					TOTAL	MINC	DR ITE	EMS	\$ 103,20
	N					TOTAL	MINC	DR ITE	EMS	\$ 103,20
Item code	N Total Section 1-8		\$	768,721	x	TOTAL 1 10%		SR ITE	E MS 76,873	\$ 103,20
Item code			\$	768,721	×		=	\$		103,20
ltem code 999990	Total Section 1-8		\$	768,721	×		=	\$	76,873	
Item code 999990 SECTION 10: SUPPLEMENT	Total Section 1-8				×	10%	=	\$	76,873	
tem code 999990 SECTION 10: SUPPLEMENT tem code	Total Section 1-8 AL WORK	Unit		768,721 Quantity	×		=	\$	76,873	
tem code 999990 SECTION 10: SUPPLEMENT tem code	Total Section 1-8 AL WORK	<i>Unit</i> LS			x	10%	=	\$	76,873	
tem code 999990 SECTION 10: SUPPLEMENT tem code 066670 Payment Adjustments For Fluctuations	Total Section 1-8 AL WORK					10%	= TOT	\$ TAL M	76,873	
SECTION 10: SUPPLEMENT BECTION 10: SUPPLEMENT Item code 066670 Payment Adjustments For Fluctuations 066094 Value Analysis 066070 Maintain Traffic	Total Section 1-8 AL WORK	LS LS LS			×	10%	= T01 =	\$ <mark>-AL M</mark> \$	76,873	
tem code 999990 SECTION 10: SUPPLEMENT tem code 066670 Payment Adjustments For Fluctuations 066094 Value Analysis 066070 Maintain Traffic 066919 Dispute Resolution Board	Total Section 1-8 AL WORK Price Index	LS LS LS LS			x x	10%	= TO1 = =	\$ FAL M \$ \$	76,873	
tem code 999990 SECTION 10: SUPPLEMENT tem code 066670 Payment Adjustments For Fluctuations 066094 Value Analysis 066070 Maintain Traffic 066919 Dispute Resolution Board 066921 Dispute Resolution Advisor	Total Section 1-8 AL WORK Price Index	LS LS LS LS LS			× × × × ×	10%	= TOT = = =	\$ TAL M \$ \$ \$	76,873	
Item code 999990 SECTION 10: SUPPLEMENT Item code 066670 Payment Adjustments For Fluctuations 066094 Value Analysis 066070 Maintain Traffic 066919 Dispute Resolution Board 0660921 Dispute Resolution Advisor 066015 Federal Trainee Program	Total Section 1-8 AL WORK Price Index	LS LS LS LS LS			x x x x x x x x	10%	= TO1 = = =	\$ FAL M \$ \$ \$ \$ \$ \$ \$ \$	76,873	
tem code 999990 ECTION 10: SUPPLEMENT tem code 066670 Payment Adjustments For Fluctuations 066094 Value Analysis 066070 Maintain Traffic 066919 Dispute Resolution Board 066921 Dispute Resolution Advisor 066015 Federal Trainee Program 066610 Partnering	Total Section 1-8 AL WORK Price Index	LS LS LS LS LS LS LS			x x x x x x x x x x	10%	= TOT = = = = = =	\$ FAL M \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	76,873	
Item code 999990 SECTION 10: SUPPLEMENT Item code 066670 Payment Adjustments For Fluctuations 066094 Value Analysis 066070 Maintain Traffic 066919 Dispute Resolution Board 066015 Federal Trainee Program 066610 Partnering 066204 Remove Rock and Debris	Total Section 1-8 AL WORK Price Index	LS LS LS LS LS LS LS			× × × × × × × ×	10%	= TO1 = = =	\$ AL M \$ \$ \$ \$ \$ \$ \$ \$ \$	76,873	
Item code 999990 SECTION 10: SUPPLEMENT Item code 066670 Payment Adjustments For Fluctuations 066094 Value Analysis 066070 Maintain Traffic 066919 Dispute Resolution Board 066921 Dispute Resolution Advisor 066015 Federal Trainee Program 066204 Remove Rock and Debris 066222 Locate Existing Crossover	Total Section 1-8 AL WORK Price Index	LS LS LS LS LS LS LS			x x x x x x x x x x	10%	= TOT = = = = = =	\$ FAL M \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	76,873	
Item code 999990 SECTION 10: SUPPLEMENT Item code 066670 Payment Adjustments For Instructuations 066094 Value Analysis 066070 Maintain Traffic 066919 Dispute Resolution Board 066921 Dispute Resolution Advisor 066015 Federal Trainee Program 066204 Remove Rock and Debris 066222 Locate Existing Crossover	Total Section 1-8 AL WORK Price Index	LS LS LS LS LS LS LS LS LS	G	Quantity 1	x x x x x x x x x x x x x	10% Unit Price (\$)	= TO1 = = = = = = = = =	\$ ALM \$\$\$\$\$\$	76,873 IOBILIZATION Cost - - - - - - - - - - - - - - - - - - -	
Fluctuations Fluctuations O66094 Value Analysis O66070 Maintain Traffic O66919 Dispute Resolution Board O66921 Dispute Resolution Advisor O66015 Federal Trainee Program	Total Section 1-8 AL WORK Price Index	LS LS LS LS LS LS LS LS LS	G	Quantity 1	x x x x x x x x x x x x x	10% Unit Price (\$) 25,000.00	= TO1 = = = = = = = = =	\$ FAL M \$ \$ \$ \$ \$ \$ \$	76,873 IOBILIZATION Cost - - - - - - - - - - - - - - - - - - -	

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

ltem code		Unit	Q	uantity	Unit Pric	e <i>(\$)</i>	Cost	
066105	Resident Engineers Office	LS		х		=	\$0	
066063	Traffic Management Plan - Public Information	LS		х		=	\$0	
066901	Water Expenses	LS		х		=	\$0	
8609XX	Traffic Monitoring Station (X)	LS		х		=	\$0	
066841	Traffic Controller Assembly	LS		х		=	\$0	
066840	Traffic Signal Controller Assembly	LS		х		=	\$0	
066062	COZEEP Contract	LS		х		=	\$0	
066838	Reflective Numbers and Edge Sealer	LS		х		=	\$0	
066065	Tow Truck Service Patrol	LS		х		=	\$0	
066916	Annual Construction General Permit Fee	LS		х		=	\$0	
XXXXXX	Some Item	Unit		х		=	\$0	
	Total Section 1-8		\$	768,721	4%	= \$	30,749	
						TOTAL STATE	E FURNISHED	\$30,800

SECTION 12: TIME-RELATED OVERHEAD

Total of Roadway and Structures Contract Items excluding Mobilization \$27,188,100 (used to calculate TRO) Total Construction Cost (excluding TRO and Contingency) \$29,487,851 (used to check if project is greater than \$5 million excluding contingency) Estimated Time-Related Overhead (TRO) Percentage (0% to 10%) = 5% Quantity Unit Price (\$) Unit Cost Item code 070018 Time-Related Overhead \$2,084 WD 653 Х = \$1,359,500 TOTAL TIME-RELATED OVERHEAD \$1,359,500

Note: If the building portion of the project is greater than 50% of the total project cost, then TRO is not included.

SECTION 13: ROADWAY CONTINGENCY

Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-12	\$ 2,314,421	x	20%	=	\$462,885	
				TOTAL C	ONTINGENCY	\$462,900

EA: DS-123456 PID: DS1234567

II. STRUCTURE ITEMS

	Bridge 1	Bridge 2	
DATE OF ESTIMATE Bridge Name Bridge Number Structure Type Width (Feet) [out to out] Total Bridge Length (Feet) Total Area (Square Feet) Structure Depth (Feet) Footing Type (pile or spread)	11/19/21 Caulfield C20-XX1 Rolling Dbl-Leaf Bascule 37 LF 293 LF 10920 SQFT 4 FT CIDH	11/19/21 Caulfield C20-XX1 6'-0" Cantilever Walkway 12 LF 293 LF 3516 SQFT 2 FT Super-structure	00/00/00 xxxxxxxxxxxxxxxxxxxx 57-XXX xxxxxxxxxxxxxxxxxx 0 LF 0 LF 0 SQFT 0 LF xxxxxxxxxxxxxxxxxxxx
Cost Per Square Foot	\$1,855	\$250	\$0
	¢20.256.504	¢970.000	۱ ۲
COST OF EACH	\$20,256,504	\$879,000	\$0

DATE OF ESTIMATE Name Bridge Number Structure Type Width (Feet) [out to out] Total Length (Feet) Total Area (Square Feet) Structure Depth (Feet) Footing Type (pile or spread) Cost Per Square Foot	00/00/00 xxxxxxxxxxxxxxx 57-XXX xxxxxxxxxxxxxxxx 0 LF 0 LF 0 SQFT 0 LF xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	00/00/00 xxxxxxxxxxxxxxxxxxx 57-XXX xxxxxxxxxxxxxxxxx 0 LF 0 LF 0 SQFT 0 LF xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	00/00/00 xxxxxxxxxxxxxxxxxxx 57-XXX xxxxxxxxxxxxxxxxxx 0 LF 0 LF 0 SQFT 0 LF xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
COST OF EACH	\$0	\$0 \$0	\$0

		TOTAL COST OF BRIDGES		\$21,135,504
		TOTAL COST OF	BUILDINGS	\$0
	Structures Mobil	zation Percentage	10%	\$2,113,550
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, P	PR 15%, after PR approval	10%, Final PS&E 5%)		
	Structures Contin	gency Percentage	25%	\$5,283,876
Т	OTAL COST OF	STRUCTURES		\$28,532,930

Estimate Prepared By:

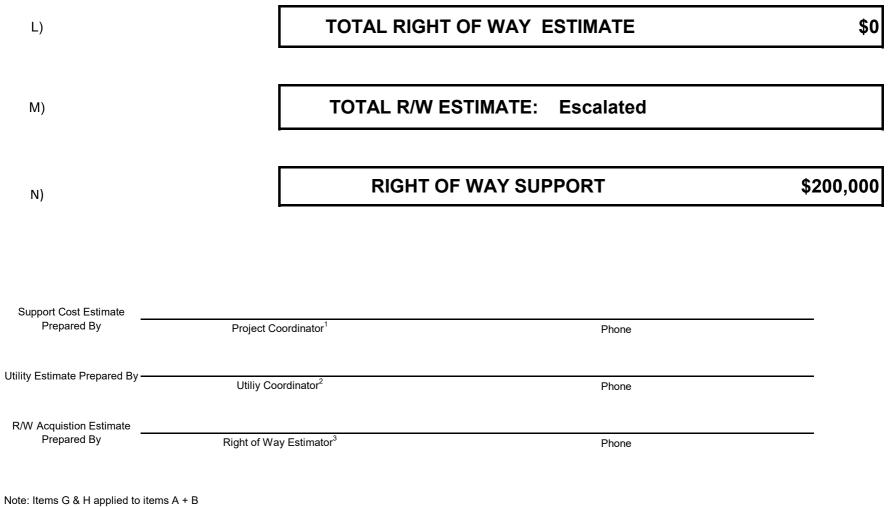
XXXXXXXXXXXXXXXXXXXXXXX ------ Division of Structures

Date

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill, Fees	\$ 0
	A2)	SB-1210	\$ 0
B)	Acquisitic	on of Offsite Mitigation	\$ 0
C)	C1)	Utility Relocation (State Share)	\$ 0
	C2)	Potholing (Design Phase)	\$ 0
D)	Railroad	Acquisition	\$ 0
E)	Clearance	e / Demolition	\$ 0
F)	Relocatio	n Assistance (RAP and/or Last Resort Housing Costs)	\$ 0
G)	Title and	Escrow	\$ 0
H)	Environm	ental Review	\$ 0
I)	Condemr	nation Settlements 0%	\$ 0
J)	Design A	ppreciation Factor 0%	\$ 0
K)	Utility Rel	ocation (Construction Cost)	\$ 0



¹ When estimate has Support Costs only

² When estimate has Utility Relocation ³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

EA: DS-123456 PID: DS1234567

IV. SUPPORT COST ESTIMATE SUMMARY

	e PRSM project data. Escalated Support Cost for Estimate To Completion (ETC					
Total by FY		PA&ED	PS&E	RW	CON	Total \$
< 2015	Expended					
	ETC					
2016	Expended					
	ETC					
2017	Expended					
	ETC					
2018	Expended					
	ETC					
2019	Expended					
	ETC					
2020	Expended	\$200,000				\$200,
	ETC					\$ 200 ,
2021	Expended	\$100,000				¢4 200
	ETC	\$450,000	\$750,000			\$1,300,
2022	Expended					¢4.050
	ETC		\$1,950,000			\$1,950,
2023	Expended					¢750
	ETC		\$550,000	\$200,000		\$750,
2024	Expended					¢0.000
	ETC		\$250,000		\$1,750,000	\$2,000,
2025	Expended					¢2.000
	ETC		\$250,000		\$1,750,000	\$2,000,
2026	Expended					¢ 405
	ETC		\$175,000		\$250,000	\$425,
2027	Expended					
	ETC					
2028	Expended	İ	1			
	ETC					
2029	Expended					
	ETC					
2030 >	Expended	İ	1			
	ETC					
EAC (Expen	ded + ETC)	\$750,000	\$3,925,000	\$200,000	\$3,750,000	\$8,625,
Approved Bu	dget (PRSM)					(, , , , , , , , , , , , , , , , , , ,
Difference (B		-\$750,000	-\$3,925,000	-\$200,000	-\$3,750,000	-\$8,625,
Support Ratio (E	•	2.4%	12.5%	0.6%	12.0%	27

Total Capital Cost:	\$31,311,000
Total Capital Outlay Support Cost:	\$8,625,000
Overall Percent Support Cost:	27.55%

PRSM workplan hours/costs verified against approved MWA:

Office Chief -

Date

Approved by:

Project Control -

Date