

Attachment G
Preliminary Cost Estimate

Preliminary Cost Estimate

Project ID: 03-1F1700

Type of Estimate : Draft Project Report

Program Code :

Project Limits : PLA-65-PM 6.5/12.8

Description: Widen SR 65 from north of Galleria Blvd Interchange to Lincoln Blvd in Placer County

Scope :

This alternative would add a carpool/HOV lane in the southbound direction of SR 65 in the median from the Blue Oaks Boulevard interchange to north of Galleria Boulevard/Stanford Ranch Road, a general purpose lane in each direction of SR 65 from Galleria Boulevard interchange to the Blue Oaks Boulevard interchange and intermittent auxiliary lanes from the Galleria Boulevard/Stanford Ranch Road interchange to the Twelve Bridge Drive interchange. Additional improvements include ramp reconfigurations and metering to applicable ramps.

Alternative : Alternative 1 - Carpool Lane

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 49,418,400	\$ 57,289,500
STRUCTURE ITEMS	\$ 2,063,000	\$ 2,391,600
SUBTOTAL CONSTRUCTION COST	\$ 51,481,400	\$ 59,681,100
RIGHT OF WAY	\$ 50,000	\$ 58,000
TOTAL CAPITAL OUTLAY COST	\$ 51,532,000	\$ 59,740,000
PR/ED SUPPORT	\$ 1,750,000	\$ 1,750,000
PS&E SUPPORT	\$ 2,300,000	\$ 2,300,000
RIGHT OF WAY SUPPORT	\$ 150,000	\$ 150,000
CONSTRUCTION SUPPORT	\$ 3,500,000	\$ 3,500,000
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ 7,700,000	\$ 7,700,000
TOTAL PROJECT COST	\$ 59,300,000	\$ 67,500,000

If Project has been programmed enter Programmed Amount

\$ -

Month / Year

Date of Estimate (Month/Year) 10 / 2015

Estimated Date of Construction Start (Month/Year) 6 / 2018

Number of Working Days 600 Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Number of Plant Establishment Days 120 Days

Estimated Project Schedule

PID Approval

PA/ED Approval Apr-2016

PS&E May-2018

RTL Oct-2018

Begin Construction Mar-2019

Approved by Project
Manager

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,895,000
2	Pavement Structural Section	\$ 15,160,100
3	Drainage	\$ 767,800
4	Specialty Items	\$ 1,523,500
5	Environmental	\$ 1,102,800
6	Traffic Items	\$ 5,319,000
7	Detours	\$ -
8	Minor Items	\$ 2,976,900
9	Roadway Mobilization	\$ 3,274,600
10	Supplemental Work	\$ 1,784,500
11	State Furnished	\$ 1,637,300
12	Contingencies	\$ 8,236,400
13	Overhead	\$ 1,740,500
TOTAL ROADWAY ITEMS		\$ 49,418,400

Estimate Prepared By Bernice Chan, P.E. 10/14/2015 916-563-2591
Name and Title Date Phone

Estimate Reviewed By Leo Heuston, P.E. 10/28/2015 916-208-1814
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.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 100,000.00	= \$ 100,000
170101 Develop Water Supply	LS	1	x 20,000.00	= \$ 20,000
190101 Roadway Excavation	CY	231,000	x 25.00	= \$ 5,775,000
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,895,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY	125,700	x 40.00	= \$ 5,028,000
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON	86,900	x 100.00	= \$ 8,690,000
390401 Hot Mix Asphalt (OGFC)	TON	12,300	x 100.00	= \$ 1,230,000
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT	17,400	x 10.00	= \$ 174,000
XXXXXX Remove Pavement	SQFT	7,605	x 5.00	= \$ 38,025

TOTAL STRUCTURAL SECTION ITEMS	\$ 15,160,100
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206	Abandon Culvert	LF	x	= \$ -
150805	Remove Culvert	LF	x	= \$ -
150820	Modify Inlet	EA	x	= \$ -
152430	Adjust Inlet	LF	x	= \$ -
155003	Cap Inlet	EA	x	= \$ -
193114	Sand Backfill	CY	x	= \$ -
510502	Minor Concrete (Minor Structure - headwall & wingwall)	CY	80 x	= \$ 160,000
510512	Minor Concrete (Box Culvert)	CY	130 x	= \$ 260,000
62XXXX	XXX" APC Pipe	LF	x	= \$ -
64XXXX	XXX" Plastic Pipe	LF	x	= \$ -
65XXXX	72" RCP Pipe	LF	65 x	= \$ 22,750
66XXXX	XXX" CSP Pipe	LF	x	= \$ -
68XXXX	Edge Drain	LF	x	= \$ -
69XXXX	XXX" Pipe Downdrain	LF	x	= \$ -
70XXXX	XXX" Pipe Inlet	LF	x	= \$ -
70XXXX	XXX" Pipe Riser	LF	x	= \$ -
70XXXX	XXX" Flared End Section	EA	x	= \$ -
703233	Grated Line Drain	LF	x	= \$ -
72XXXX	Rock Slope Protection (Type and Method)	CY	x	= \$ -
721420	Concrete (Ditch Lining)	CY	x	= \$ -
721430	Concrete (Channel Lining)	CY	x	= \$ -
729010	Rock Slope Protection Fabric	SQYD	x	= \$ -
750001	Miscellaneous Iron and Steel	LB	x	= \$ -
XXXXXX	Onsite Drainage Systems	LS	1 x	= \$ 325,000
XXXXXX	Some Item		x	= \$ -

TOTAL DRAINAGE ITEMS	\$ 767,800
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012	Progress Schedule (Critical Path Method)	LS	1 x	= \$ 20,000.00
150662	Remove Metal Beam Guard Railing	LF	1,125 x	= \$ 11,250
150668	Remove Terminal Systems	EA	14 x	= \$ 7,700
1532XX	Remove Barrier (Type 60)	LF	8,630 x	= \$ 215,750
153250	Remove Sound Wall	SQFT	x	= \$ -
190110	Lead Compliance Plan	LS	x	= \$ -
49XXXX	CIDH Concrete Piling (Insert Diameter)	LF	x	= \$ -
51006X	Ground Anchor Wall (Pleasant Grove Blvd North)	SQFT	1,502 x	= \$ 307,910
51006X	Ground Anchor Wall (Pleasant Grove Blvd South)	SQFT	1,382 x	= \$ 309,568
510133	Class 2 Concrete (Retaining Wall)	CY	x	= \$ -
510524	Minor Concrete (Sound Wall)	CY	x	= \$ -
5110XX	Architectural Treatment (Insert Type)	SQFT	x	= \$ -
511048	Apply Anti-Graffiti Coating	SQFT	x	= \$ -
5136XX	Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$ -
518002	Sound Wall (Masonry Block)	SQFT	x	= \$ -
520103	Bar Reinf. Steel (Retaining Wall)	LB	x	= \$ -
80XXXX	Fence (Insert Type)	LF	x	= \$ -
832001	Metal Beam Guard Railing	LF	1,340 x	= \$ 53,600
839310	Double Thrie Beam Barrier	LF	x	= \$ -
839521	Cable Railing	LF	x	= \$ -
83954X	Transition Railing (Type WB-31)	EA	4 x	= \$ 18,000
8395XX	Terminal System (Type CAT)	EA	x	= \$ -
8395XX	Alternative Flared Terminal System	EA	19 x	= \$ 57,000
8395XX	End Anchor Assembly (Insert Type)	EA	x	= \$ -
839561	Rail Tensioning Assembly	EA	x	= \$ -
839XXX	Crash Cushion (Insert Type)	EA	x	= \$ -
83XXXX	Concrete Barrier (Type 60)	LF	8,630 x	= \$ 431,500
839720	Concrete Barrier (Type 732)	LF	270 x	= \$ 40,500
839720	Concrete Barrier (Type 60D)	LF	390 x	= \$ 50,700

TOTAL SPECIALTY ITEMS	\$ 1,523,500
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)	LS	1	25,000.00 = \$	25,000
<i>Subtotal Environmental</i>				\$ 25,000

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	x	= \$	-
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type ___)	SQYD	83,100	x 2.50 = \$	207,750
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
<i>Subtotal Landscape and Irrigation</i>				\$ 207,750

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	1	x 100,000.00 = \$	100,000
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	1	x 20,000.00 = \$	20,000
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Con	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Water Pollution Control	LS	1	750,000.00 = \$	750,000

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	1	x 50,000.00 = \$	50,000
066596 Additional Water Pollution Control**	LS	1	x 10,000.00 = \$	10,000
066597 Storm Water Sampling and Analysis***	LS	1	x 10,000.00 = \$	10,000
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) **\$ 870,000**

*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.

TOTAL ENVIRONMENTAL	\$ 1,102,800
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	10	x 6,000.00 = \$	60,000
151581 Reconstruct Sign Structure	EA		x = \$	-
152641 Modify Sign Structure	EA		x = \$	-
5602XX Furnish and Install Sign Structure	EA	12	x 100,000.00 = \$	1,200,000
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	300	x 1,600.00 = \$	480,000
860090 maintain existing traffic management system elements during construction	LS		x = \$	-
860810 Inductive Loop Detectors	EA		x = \$	-
86055X Lighting & Sign Illumination	LS		x = \$	-
8607XX Interconnection Facilities	LS		x = \$	-
8609XX Traffic Monitoring Stations	LS		x = \$	-
860XXX Signals & Lighting	LS	1	x 250,000.00 = \$	250,000
8611XX Ramp Metering System (Location X)	EA	6	x 50,000.00 = \$	300,000
8611XX Ramp Metering System (Location X)	LS		x = \$	-
86XXXX Fiber Optic Conduit System	LS		x = \$	-
CCTVs	EA	3	x 1,000.00 = \$	3,000
<i>Subtotal Traffic Electrical</i>				\$ 2,293,000

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	1	x 20,000.00 = \$	20,000
150701 Remove Yellow Painted Traffic Stripe	LF		x = \$	-
150710 Remove Traffic Stripe	LF		x = \$	-
150713 Remove Pavement Marking	SQFT		x = \$	-
150742 Remove Roadside Sign	EA		x = \$	-
152320 Reset Roadside Sign	EA		x = \$	-
152390 Relocate Roadside Sign	EA		x = \$	-
566011 Roadside Sign (One Post)	EA		x = \$	-
566012 Roadside Sign (Two Post)	EA		x = \$	-
560XXX Furnish Sign Panels	SQFT		x = \$	-
560XXX Install Sign Panels	SQFT		x = \$	-
82010X Delineator (Class X)	EA		x = \$	-
84XXXX Permanent Signing and Pavement Delineator	LS	1	x 300,000.00 = \$	300,000
<i>Subtotal Traffic Signing and Striping</i>				\$ 320,000

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	1	x 2,000,000 = \$	2,000,000
120120 Type III Barricade	EA		x = \$	-
120143 Temporary Pavement Delineation	LF		x = \$	-
12016X Channelizer	EA		x = \$	-
128650 Portable Changeable Message Signs	EA	16	x 5,000.00 = \$	80,000
129000 Temporary Railing (Type K)	LF	62,100	x 10.00 = \$	621,000
129100 Temp. Crash Cushion Module	EA	10	x 500.00 = \$	5,000
129099A Traffic Plastic Drum	EA		x = \$	-
839603A Temporary Crash Cushion (ADIEM)	EA		x = \$	-
XXXXXX Some Item				
<i>Subtotal Stage Construction and Traffic Handling</i>				\$ 2,706,000

TOTAL TRAFFIC ITEMS	\$ 5,319,000
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SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-
TOTAL DETOURS				\$ -

SUBTOTAL SECTIONS 1-7 \$ 29,768,200

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 10.0% \$ 2,976,820

Total of Section 1-7 \$ 29,768,200 x 10.0% = \$ 2,976,820

TOTAL MINOR ITEMS \$ 2,976,900

SECTIONS 9: MOBILIZATION

Item code	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$ 32,745,100	x 10%	= \$ 3,274,510
TOTAL MOBILIZATION			\$ 3,274,600

SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Information	LS	1	x 500,000.00	= \$ 500,000
066090 Maintain Traffic	LS	1	x 500,000.00	= \$ 500,000
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluctuations	LS	1	x 59,500.00	= \$ 59,500
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management System Elemer	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ 70,000

Total Section 1-8 \$ 32,745,100 2% = \$ 654,902

TOTAL SUPPLEMENTAL WORK \$ 1,784,500

II. STRUCTURE ITEMS

	<u>Bridge 1</u>	<u>Bridge 2</u>	<u>Bridge 3</u>
DATE OF ESTIMATE	03/01/17	03/01/17	03/01/17
Bridge Name	Pleasant Grove Creek Br - Rt Widen (Rt)	Pleasant Grove Creek Br - Lt Widen (Lt)	Pleasant Grove Creek Br - Lt Widen (Rt)
Bridge Number	19-0136 R	19-0136 L	19-0136 L
Structure Type	CIP Reinforced Concrete Slab	CIP Reinforced Concrete Slab	CIP Reinforced Concrete Slab
Width (Feet) [out to out]	11.73 LF	12.48 LF	16.48 LF
Total Bridge Length (Feet)	140.00 LF	128.20 LF	128.20 LF
Total Area (Square Feet)	1642 SQFT	1600 SQFT	2112 SQFT
Structure Depth (Feet)	1.33 FT	1.29 FT	1.29 FT
Footing Type (pile or spread)	Pile	Pile	Pile
Cost Per Square Foot	\$279.12	\$237.26	\$261.72

COST OF EACH STRUCTURE	\$458,000	\$380,000	\$553,000
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	<u>Bridge 4</u>		
DATE OF ESTIMATE	03/01/17	00/00/00	00/00/00
Bridge Name	Pleasant Grove Creek Br - Rt Widen (Lt)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	19-0136 R	57-XXX	57-XXX
Structure Type	CIP Reinforced Concrete Slab	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	16.73 LF	0.00 LF	0.00 LF
Total Bridge Length (Feet)	140.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	2342 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	1.33 FT	0.00 LF	0.00 LF
Footing Type (pile or spread)	Pile	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$286.94	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$672,000	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$2,063,000.00
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TOTAL COST OF BUILDINGS	\$0.00
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TOTAL COST OF STRUCTURES¹	\$2,063,000.00
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Estimate Prepared By: _____ Date: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

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,		\$	0
	A2) SB-1210		\$	0
B)	Acquisition of Offsite Mitigation		\$	0
C)	C1) Utility Relocation (State Share)		\$	0
	C2) Potholing (Design Phase)		\$	0
D)	Railroad Acquisition		\$	0
E)	Clearance / Demolition		\$	0
F)	Relocation Assistance (RAP and/or Last Resort Housing Costs)		\$	0
G)	Title and Escrow		\$	0
H)	Environmental Review		\$	0
I)	Condemnation Settlements	0%	\$	0
	(Items G & H applied to items A + B)			
J)	Design Appreciation Factor	0%	\$	0
K)	Utility Relocation (Construction Cost)		\$	50,000

L)

TOTAL RIGHT OF WAY ESTIMATE	\$50,000
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$58,000
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N)

Right of Way Support	\$	150,000
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Support Cost		
Estimate Prepared	_____	_____
By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	_____	_____
	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared	_____	_____
By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs onl ² When estimate has Utility Relocation

³ When R/W Acquisition is required

Preliminary Cost Estimate

Project ID: 03-1F1700

Type of Estimate : Draft Project Report
Program Code :
Project Limits : PLA-65-PM 6.5/12.8
Description: Widen SR 65 from north of Galleria Blvd Interchange to Lincoln Blvd in Placer County

Scope : This alternative would add a general purpose lane in southbound direction of SR 65 from the Blue Oaks Boulevard interchange to the Galleria Boulevard/Stanford Ranch Road interchange. For added capacity on southbound SR 65, as recommended by the VA study, this alternative also includes an additional general purpose lane from the Blue Oaks Boulevard slip on-ramp to the Pleasant Grove Boulevard loop on-ramp. On northbound SR 65, a 12-foot general purpose lane would be added through the Pleasant Grove Boulevard interchange. Additional improvements include intermittent auxiliary lanes, ramp reconfiguration and metering as applicable between the Galleria Boulevard/Stanford Ranch Road interchange and the Twelve Bridge Drive interchange.

Alternative : Alternative 2 - General Purpose Lane

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 48,248,600	\$ 55,933,400
STRUCTURE ITEMS	\$ 2,063,000	\$ 2,391,600
SUBTOTAL CONSTRUCTION COST	\$ 50,311,600	\$ 58,325,000
RIGHT OF WAY	\$ 50,000	\$ 58,000
TOTAL CAPITAL OUTLAY COST	\$ 50,362,000	\$ 58,383,000
PR/ED SUPPORT	\$ 1,750,000	\$ 1,750,000
PS&E SUPPORT	\$ 2,300,000	\$ 2,300,000
RIGHT OF WAY SUPPORT	\$ 150,000	\$ 150,000
CONSTRUCTION SUPPORT	\$ 3,500,000	\$ 3,500,000
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ 7,700,000	\$ 7,700,000
TOTAL PROJECT COST	\$ 58,100,000	\$ 66,100,000

If Project has been programmed enter Programmed Amount \$ -

Date of Estimate (Month/Year) Month / Year
10 / 2015

Estimated Date of Construction Start (Month/Year) 6 / 2018

Number of Working Days 600 Working Days
Month / Year

Estimated Mid-Point of Construction (Month/Year)

Number of Plant Establishment Days 120 Days

Estimated Project Schedule

PID Approval
 PA/ED Approval Apr-2016
 PS&E May-2018
 RTL Oct-2018
 Begin Construction Mar-2019

Approved by Project
Manager

Project Manager Date Phone

I. ROADWAY ITEMS SUMMARY

Section	Cost
1 Earthwork	\$ 5,895,000
2 Pavement Structural Section	\$ 14,435,100
3 Drainage	\$ 767,800
4 Specialty Items	\$ 1,523,600
5 Environmental	\$ 1,102,800
6 Traffic Items	\$ 5,319,000
7 Detours	\$ -
8 Minor Items	\$ 2,904,400
9 Roadway Mobilization	\$ 3,194,800
10 Supplemental Work	\$ 1,766,600
11 State Furnished	\$ 1,597,400
12 Contingencies	\$ 8,041,500
13 Overhead	\$ 1,700,600
TOTAL ROADWAY ITEMS	
	\$ 48,248,600

Estimate Prepared By	Bernice Chan, P.E.	10/14/2015	916-563-2591
	Name and Title	Date	Phone
Estimate Reviewed By	Leo Heuston, P.E.	10/28/2015	916-208-1814
	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.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 100,000.00	= \$ 100,000
170101 Develop Water Supply	LS	1	x 20,000.00	= \$ 20,000
190101 Roadway Excavation	CY	231,000	x 25.00	= \$ 5,775,000
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,895,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY	113,800	x 40.00	= \$ 4,552,000
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON	84,400	x 100.00	= \$ 8,440,000
390401 Hot Mix Asphalt (OGFC)	TON	12,500	x 100.00	= \$ 1,250,000
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT	15,500	x 10.00	= \$ 155,000
XXXXXX Remove Pavement	SQFT	7,605	x 5.00	= \$ 38,025

TOTAL STRUCTURAL SECTION ITEMS	\$ 14,435,100
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206	Abandon Culvert	LF	x	= \$ -
150805	Remove Culvert	LF	x	= \$ -
150820	Modify Inlet	EA	x	= \$ -
152430	Adjust Inlet	LF	x	= \$ -
155003	Cap Inlet	EA	x	= \$ -
193114	Sand Backfill	CY	x	= \$ -
510502	Minor Concrete (Minor Structure - headwall & wingwall)	CY	80	x 2,000.00 = \$ 160,000
510512	Minor Concrete (Box Culvert)	CY	130	x 2,000.00 = \$ 260,000
62XXXX	XXX" APC Pipe	LF	x	= \$ -
64XXXX	XXX" Plastic Pipe	LF	x	= \$ -
65XXXX	72" RCP Pipe	LF	65	x 350.00 = \$ 22,750
66XXXX	XXX" CSP Pipe	LF	x	= \$ -
68XXXX	Edge Drain	LF	x	= \$ -
69XXXX	XXX" Pipe Downdrain	LF	x	= \$ -
70XXXX	XXX" Pipe Inlet	LF	x	= \$ -
70XXXX	XXX" Pipe Riser	LF	x	= \$ -
70XXXX	XXX" Flared End Section	EA	x	= \$ -
703233	Grated Line Drain	LF	x	= \$ -
72XXXX	Rock Slope Protection (Type and Method)	CY	x	= \$ -
721420	Concrete (Ditch Lining)	CY	x	= \$ -
721430	Concrete (Channel Lining)	CY	x	= \$ -
729010	Rock Slope Protection Fabric	SQYD	x	= \$ -
750001	Miscellaneous Iron and Steel	LB	x	= \$ -
XXXXXX	Onsite Drainage Systems	LS	1	x 325,000.00 = \$ 325,000
XXXXXX	Some Item		x	= \$ -

TOTAL DRAINAGE ITEMS	\$	767,800
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012	Progress Schedule (Critical Path Method)	LS	1	x 20,000.00 = \$ 20,000
150662	Remove Metal Beam Guard Railing	LF	1,130	x 10.00 = \$ 11,300
150668	Remove Terminal Systems	EA	14	x 550.00 = \$ 7,700
1532XX	Remove Barrier (Type 60)	LF	8,630	x 25.00 = \$ 215,750
153250	Remove Sound Wall	SQFT	x	= \$ -
190110	Lead Compliance Plan	LS	x	= \$ -
49XXXX	CIDH Concrete Piling (Insert Diameter)	LF	x	= \$ -
51006X	Ground Anchor Wall (Pleasant Grove Blvd North)	SQFT	1,502	x 205.00 = \$ 307,910
51006X	Ground Anchor Wall (Pleasant Grove Blvd South)	SQFT	1,382	x 224.00 = \$ 309,568
510133	Class 2 Concrete (Retaining Wall)	CY	x	= \$ -
510524	Minor Concrete (Sound Wall)	CY	x	= \$ -
5110XX	Architectural Treatment (Insert Type)	SQFT	x	= \$ -
511048	Apply Anti-Graffiti Coating	SQFT	x	= \$ -
5136XX	Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$ -
518002	Sound Wall (Masonry Block)	SQFT	x	= \$ -
520103	Bar Reinf. Steel (Retaining Wall)	LB	x	= \$ -
80XXXX	Fence (Insert Type)	LF	x	= \$ -
832001	Metal Beam Guard Railing	LF	1,340	x 40.00 = \$ 53,600
839310	Double Thrie Beam Barrier	LF	x	= \$ -
839521	Cable Railing	LF	x	= \$ -
83954X	Transition Railing (Type WB-31)	EA	4	x 4,500.00 = \$ 18,000
8395XX	Terminal System (Type CAT)	EA	x	= \$ -
839585	Alternative Flared Terminal System	EA	19	x 3,000.00 = \$ 57,000
8395XX	End Anchor Assembly (Insert Type)	EA	x	= \$ -
839561	Rail Tensioning Assembly	EA	x	= \$ -
839XXX	Crash Cushion (Insert Type)	EA	x	= \$ -
83XXXX	Concrete Barrier (Type 60)	LF	8,630	x 50.00 = \$ 431,500
839720	Concrete Barrier (Type 732)	LF	270	x 150.00 = \$ 40,500
839704	Concrete Barrier (Type 60D)	LF	390	x 130.00 = \$ 50,700

TOTAL SPECIALTY ITEMS	\$	1,523,600
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)	LS	1	25,000.00 = \$	25,000
<u>Subtotal Environmental</u>				<u>\$ 25,000</u>

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	x	= \$	-
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type ___)	SQYD	83,100	x 2.50 = \$	207,750
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
<u>Subtotal Landscape and Irrigation</u>				<u>\$ 207,750</u>

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	1	x 100,000.00 = \$	100,000
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	1	x 20,000.00 = \$	20,000
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Con	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Water Pollution Control	LS	1	750,000.00 = \$	750,000

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	1	x 50,000.00 = \$	50,000
066596 Additional Water Pollution Control**	LS	1	x 10,000.00 = \$	10,000
066597 Storm Water Sampling and Analysis***	LS	1	x 10,000.00 = \$	10,000
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ 870,000

*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.

TOTAL ENVIRONMENTAL	\$ 1,102,800
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	10 x	6,000.00 = \$	60,000
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish and Install Sign Structure	EA	12 x	100,000.00 = \$	1,200,000
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	300 x	1,600.00 = \$	480,000
860090 Maintain Existing Traffic Management System	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	1 x	250,000.00 = \$	250,000
8611XX Ramp Metering System (Location X)	EA	6 x	50,000.00 = \$	300,000
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
86XXXX CCTVs	EA	3 x	1,000.00 = \$	3,000
<i>Subtotal Traffic Electrical</i>				\$ 2,293,000

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	1 x	20,000.00 = \$	20,000
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Signing and Pavement Delineation	LS	1 x	300,000.00 = \$	300,000
<i>Subtotal Traffic Signing and Striping</i>				\$ 320,000

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	1 x	2,000,000 = \$	2,000,000
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	16 x	5,000.00 = \$	80,000
129000 Temporary Railing (Type K)	LF	62,100 x	10.00 = \$	621,000
129100 Temp. Crash Cushion Module	EA	10 x	500.00 = \$	5,000
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
<i>Subtotal Stage Construction and Traffic Handling</i>				\$ 2,706,000

TOTAL TRAFFIC ITEMS	\$ 5,319,000
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SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 29,043,300

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 10.0% \$ 2,904,330

Total of Section 1-7 \$ 29,043,300 x 10.0% = \$ 2,904,330

TOTAL MINOR ITEMS	\$	2,904,400
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8			10%	= \$ 3,194,770

TOTAL MOBILIZATION	\$	3,194,800
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Information	LS	1	x 500,000.00	= \$ 500,000
066090 Maintain Traffic	LS	1	x 500,000.00	= \$ 500,000
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluctuations	LS	1	x 57,600.00	= \$ 57,600
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management System Elements During Constructi	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ 70,000

Total Section 1-8 \$ 31,947,700 2% = \$ 638,954

TOTAL SUPPLEMENTAL WORK	\$	1,766,600
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II. STRUCTURE ITEMS

	<u>Bridge 1</u>	<u>Bridge 2</u>	<u>Bridge 3</u>
DATE OF ESTIMATE	03/01/17	03/01/17	03/01/17
Bridge Name	Pleasant Grove Creek Br. - Rt Widen (Rt)	Pleasant Grove Creek Br. - Lt Widen (Left)	Pleasant Grove Creek Br. - Lt Widen (Rt)
Bridge Number	19-0136 R	19-0136 L	19-0136 L
Structure Type	CIP Reinforced Concrete Slab	CIP Reinforced Concrete Slab	CIP Reinforced Concrete Slab
Width (Feet) [out to out]	11.73 LF	12.48 LF	16.48 LF
Total Bridge Length (Feet)	140.00 LF	128.20 LF	128.20 LF
Total Area (Square Feet)	1642 SQFT	1600 SQFT	2112 SQFT
Structure Depth (Feet)	1.33 FT	1.29 FT	1.29 FT
Footing Type (pile or spread)	Pile	Pile	Pile
Cost Per Square Foot	\$279.12	\$237.26	\$261.72

COST OF EACH STRUCTURE	\$458,000	\$380,000	\$553,000
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	<u>Bridge 4</u>		
DATE OF ESTIMATE	03/01/17	00/00/00	00/00/00
Bridge Name	Pleasant Grove Creek Br. - Rt Widen (Lt)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	19-0136 R	57-XXX	57-XXX
Structure Type	CIP Reinforced Concrete Slab	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	16.73 LF	0.00 LF	0.00 LF
Total Bridge Length (Feet)	140.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	2342 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	1.33 FT	0.00 LF	0.00 LF
Footing Type (pile or spread)	Pile	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$286.94	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$672,000	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$2,063,000.00
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TOTAL COST OF BUILDINGS	\$0.00
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TOTAL COST OF STRUCTURES¹	\$2,063,000.00
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Estimate Prepared By: _____ Date: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

PRELIMINARY
PROJECT COST ESTIMATE

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,		\$	0
	A2) SB-1210		\$	0
B)	Acquisition of Offsite Mitigation		\$	0
C)	C1) Utility Relocation (State Share)		\$	0
	C2) Potholing (Design Phase)		\$	0
D)	Railroad Acquisition		\$	0
E)	Clearance / Demolition		\$	0
F)	Relocation Assistance (RAP and/or Last Resort Housing Costs)		\$	0
G)	Title and Escrow		\$	0
H)	Environmental Review		\$	0
I)	Condemnation Settlements	0%	\$	0
	(Items G & H applied to items A + B)			
J)	Design Appreciation Factor	0%	\$	0
K)	Utility Relocation (Construction Cost)		\$	50,000

L)	TOTAL RIGHT OF WAY ESTIMATE	\$50,000
(Excluding Item #8 - Hazardous Waste)		

M)	TOTAL R/W ESTIMATE: Escalated	\$58,000
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N)	Right of Way Support	\$ 150,000
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Support Cost		
Estimate Prepared	_____	
Rv	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	_____	
	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared	_____	
Rv	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs onl ² When estimate has Utility Relocation

³ When R/W Acquisition is required