

**PROJECT
PLANNING COST ESTIMATE**

Broadway Bridge

PID: TGR2DGL-5447(043)

Type of Estimate : Preliminary Estimate

Project Limits : From South River Road in West Sacramento to 3rd Street in Sacramento.

Project Description: From West Sacramento to Sacramento, across the Sacramento River, construct the Broadway Bridge, a new southern crossing of the Sacramento River.

Scope : New Bridge Crossing Over the Sacramento River

Alternative : Alignment C, Assume Fill, Average Structure Cost

SUMMARY OF PROJECT COST ESTIMATE

	<u>Current Year Cost</u>	<u>Escalated Cost</u>
TOTAL ROADWAY COST	\$ 24,176,300	\$ 35,010,580
TOTAL STRUCTURES COST	\$ 130,969,176	\$ 189,661,231
SUBTOTAL CONSTRUCTION COST	\$ 155,145,476	\$ 224,671,811
TOTAL RIGHT OF WAY COST	\$ 15,000,000	\$ 20,006,232
TOTAL CAPITAL OUTLAY COSTS	\$ 170,146,000	\$ 244,679,000
PA/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ 14,000,000	\$ 17,919,849
RIGHT OF WAY SUPPORT	\$ 1,000,000	\$ 1,333,749
CONSTRUCTION SUPPORT	\$ 10,000,000	\$ 14,481,364
TOTAL SUPPORT COST	\$ 25,000,000	\$ 33,735,000

TOTAL PROJECT COST	\$ 196,000,000	\$ 279,000,000
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Programmed Amount

	<u>Month</u> / <u>Year</u>
Date of Estimate (Month/Year) _____	1 / 2021
Estimated Construction Start (Month/Year) _____	5 / 2029
Number of Working Days = 500	
Estimated Mid-Point of Construction (Month/Year) _____	5 / 2030
Estimated Construction End (Month/Year) _____	5 / 2031
Number of Plant Establishment Days 120	

Estimated Project Schedule

PID Approval	12 /	2015
PA/ED Approval	4 /	2022
PS&E	/	TBD
RTL	/	TBD
Begin Construction	/	TBD

Approved by Project Manager

4/11/2022

(916) 390-5131

Project Manager

Date

Phone

PROJECT COST ESTIMATE

Broadway Bridge

I. ROADWAY ITEMS SUMMARY

	Section	Cost
1	Earthwork	\$ 1,352,000
2	Pavement Structural Section	\$ 3,478,500
3	Drainage	\$ 632,000
4	Specialty Items	\$ 171,300
5	Environmental	\$ 2,060,000
6	Traffic Items	\$ 1,865,300
7	Detours	\$ -
8	Minor Items	\$ 956,000
9	Roadway Mobilization	\$ 1,051,600
10	Supplemental Work	\$ 485,200
11	State Furnished	\$ 210,400
12	Time-Related Overhead	\$ 7,884,600
13	Roadway Contingency	\$ 4,029,400

TOTAL ROADWAY ITEMS	\$ 24,176,300
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Estimate Prepared By :

Name and Title	Date	Phone
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Estimate Reviewed By :

Name and Title	Date	Phone
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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	4,800	x	70.00	= \$	336,000
152320	Lead Compliance Plan	LS		x		= \$	-
194001	Ditch Excavation	CY		x		= \$	-
198001	Imported Borrow	CY	45,800	x	20.00	= \$	916,000
192037	Structure Excavation (Retaining Wall)	CY		x		= \$	-
193013	Structure Backfill (Retaining Wall)	CY		x		= \$	-
193031	Pervious Backfill Material (Retaining Wall)	CY		x		= \$	-
160101	Clearing & Grubbing	LS	1	x	100,000.00	= \$	100,000
170101	Develop Water Supply	LS		x	40,000.00	= \$	-
210130	Duff	ACRE		x		= \$	-
XXXXXX	Some Item	Unit		x		= \$	-

TOTAL EARTHWORK SECTION ITEMS	\$ 1,352,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code		Unit	Quantity		Unit Price (\$)		Cost
401050	Jointed Plain Concrete Pavement	CY		x		= \$	-
400050	Continuously Reinforced Concrete Pavement	CY		x		= \$	-
404092	Seal Pavement Joint	LF		x		= \$	-
404093	Seal Isolation Joint	LF		x		= \$	-
413117	Seal Concrete Pavement Joint (Silicone)	LF		x		= \$	-
413118	Seal Pavement Joint (Asphalt Rubber)	LF		x		= \$	-
280010	Rapid Strength Concrete Base	CY		x		= \$	-
410095	Dowel Bar (Drill and Bond)	EA		x		= \$	-
390132	Hot Mix Asphalt (Type A)	TON	11,880	x	115.00	= \$	1,366,200
390137	Rubberized Hot Mix Asphalt (Gap Graded)	TON		x		= \$	-
205034	Decomposed Granite	SQFT	10,150	x	6.00	= \$	60,900
26020X	Class 2 Aggregate Base	CY	10,330	x	45.00	= \$	464,850
290201	Asphalt Treated Permeable Base	CY		x		= \$	-
250401	Class 4 Aggregate Subbase	CY		x		= \$	-
374002	Asphaltic Emulsion (Fog Seal Coat)	TON		x		= \$	-
397005	Tack Coat	TON		x		= \$	-
377501	Slurry Seal	TON		x		= \$	-
3750XX	Screenings (Type XX)	TON		x		= \$	-
374492	Asphaltic Emulsion (Polymer Modified)	TON		x		= \$	-
370001	Sand Cover (Seal)	TON		x		= \$	-
731516	Minor Concrete (Driveway)	CY	100		1,000.00	= \$	100,000
731521	Minor Concrete (Sidewalk)	CY	1,220	x	675.00	= \$	823,500
731504	Minor Concrete (Curb & Gutter)	CY	620	x	850.00	= \$	527,000
731502	Minor Concrete (Miscellaneous Construction)	CY		x		= \$	-
39407X	Place Hot Mix Asphalt Dike (Type X)	LF		x		= \$	-
150771	Remove Asphalt Concrete Dike	LF		x		= \$	-
420201	Grind Existing Concrete Pavement	SQYD		x		= \$	-
150860	Remove Base and Surfacing	CY		x		= \$	-
390095	Replace Asphalt Concrete Surfacing	CY		x		= \$	-
153123	Remove Concrete	SY	3,110	x	20.00	= \$	62,200
394090	Place Hot Mix Asphalt (Miscellaneous Area)	SQYD		x		= \$	-
153103	Cold Plane Asphalt Concrete Pavement	SQYD	10,540	x	7.00	= \$	73,780
39405X	Shoulder Rumble Strip (HMA, X-In Indentations)	STA		x		= \$	-
413113	Repair Spalled Joints, Polyester Grout	SQYD		x		= \$	-
420102	Groove Existing Concrete Pavement	SQYD		x		= \$	-
390136	Minor Hot Mix Asphalt	TON		x		= \$	-
394095	Roadside Paving (Miscellaneous Areas)	SQYD		x		= \$	-
XXXXXX	Some Item	Unit		x		= \$	-

TOTAL PAVEMENT STRUCTURAL SECTION ITEMS	\$ 3,478,500
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
15080X	Remove Culvert	EA/LF	x	= \$ -
150820	Modify Inlet	EA	x	= \$ -
155232	Sand Backfill	CY	x	= \$ -
15020X	Abandon Culvert	EA/LF	x	= \$ -
152430	Adjust Inlet	LF	x	= \$ -
155003	Cap Inlet	EA	x	= \$ -
XXXXXX	Drainage Inlet	EA	16 x 4,500.00	= \$ 72,000
510501	Minor Concrete	CY	x	= \$ -
510502	Minor Concrete (Minor Structure)	CY	x	= \$ -
5105XX	Minor Concrete (Type XX)	CY	x	= \$ -
620XXX	XX" Alternative Pipe Culvert (Type X)	LF	x	= \$ -
6411XX	XX" Plastic Pipe	LF	x	= \$ -
65XXXX	XX" Reinforced Concrete Pipe (Type X)	LF	x	= \$ -
65XXXX	18" Reinforced Concrete Pipe	LF	2,000 x 250.00	= \$ 500,000
6650XX	XX" Corrugated Steel Pipe (0.XXX" Thick)	LF	x	= \$ -
68XXXX	XX" Plastic Pipe (Edge Drain)	LF	x	= \$ -
69011X	XX" Corrugated Steel Pipe Downdrain (0.XXX" Thi	LF	x	= \$ -
70321X	XX" Corrugated Steel Pipe Inlet (0.XXX" Thick)	LF	x	= \$ -
70XXXX	XX" Corrugated Steel Pipe Riser (0.XXX" Thick)	LF	x	= \$ -
7050XX	XX" Steel Flared End Section	EA	x	= \$ -
703233	Grated Line Drain	LF	x	= \$ -
72XXXX	Rock Slope Protection (Type and Method)	CY/TON	x	= \$ -
72901X	Rock Slope Protection Fabric (Class X)	SQYD	x	= \$ -
721420	Concrete (Ditch Lining)	CY	x	= \$ -
721430	Concrete (Channel Lining)	CY	x	= \$ -
750001	Miscellaneous Iron and Steel	LB	x	= \$ -
XXXXXX	Manhole	EA	6 x 10,000.00	= \$ 60,000
XXXXXX	Additional Drainage	LS	x	= \$ -

TOTAL DRAINAGE ITEMS	\$ 632,000
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
080050	Progress Schedule (Critical Path Method)	LS	1 x 50,000.00	= \$ 50,000
582001	Sound Wall (Masonry Block)	SQFT	x	= \$ -
510530	Minor Concrete (Wall)	CY	x	= \$ -
15325X	Remove Sound Wall	LF/LS	x	= \$ -
070030	Lead Compliance Plan	LS	1 x 3,000.00	= \$ 3,000
141120	Treated Wood Waste	LB	x	= \$ -
153221	Remove Concrete Barrier	LF	x	= \$ -
150662	Remove Metal Beam Guard Railing	LF	x	= \$ -
150668	Remove Flared End Section	EA	x	= \$ -
150605	Remove Fence	LF	5,300 x 5.00	= \$ 26,500
160120	Remove Tree	EA	66 x 1,200.00	= \$ 79,200
200117	Decomposed Granite	CY	120 x 105.00	= \$ 12,600
8000XX	Chain Link Fence (Type XX)	LF	x	= \$ -
80XXXX	XX" Chain Link Gate (Type CL-6)	EA	x	= \$ -
832001	Metal Beam Guard Railing	LF	x	= \$ -
839301	Single Thrie Beam Barrier	LF	x	= \$ -
839310	Double Thrie Beam Barrier	LF	x	= \$ -
839521	Cable Railing	LF	x	= \$ -
8395XX	Terminal System (Type CAT)	EA	x	= \$ -
839585	Alternative Flared Terminal System	EA	x	= \$ -
839584	Alternative In-line Terminal System	EA	x	= \$ -
4906XX	CIDH Concrete Piling (Insert Diameter)	LF	x	= \$ -
839XXX	Crash Cushion (Insert Type)	EA	x	= \$ -
83XXXX	Concrete Barrier (Insert Type)	LF	x	= \$ -
520103	Bar Reinforced Steel (Retaining Wall)	LB	x	= \$ -
510060	Structural Concrete, Retaining Wall	CY	x	= \$ -
513553	Retaining Wall (Masonry Wall)	SQFT	x	= \$ -
511035	Architectural Treatment	SQFT	x	= \$ -
598001	Anti-Graffiti Coating	SQFT	x	= \$ -
203070	Rock Stain	SQFT	x	= \$ -
5136XX	Reinforced Concrete Crib Wall (Type X)	SQFT	x	= \$ -
83954X	Transition Railing (Type X)	EA	x	= \$ -
597601	Prepare and Stain Concrete	SQFT	x	= \$ -
839561	Rail Tensioning Assembly	EA	x	= \$ -
83958X	End Anchor Assembly (Type X)	EA	x	= \$ -
XXXXXX	Cutoff Wall	LF	x	= \$ -
XXXXXX	Remove Concrete Bollard	EA	6 x	= \$ -
XXXXXX	Some Item	Unit	x	= \$ -

TOTAL SPECIALTY ITEMS	\$ 171,300
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
XXXXXX Biological Mitigation	LS	x	= \$	-
XXXXXX Environmental Mitigation	LS	1	x 500,000.00 = \$	500,000
130670 Temporary Reinforced Silt Fence	LF	x	= \$	-
141000 Temporary Fence (Type ESA)	LF	x	= \$	-
<i>Subtotal Environmental Mitigation</i>				\$ 500,000

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
20XXXX Planting and Irrigation	LS	1	x 1,000,000.00 = \$	1,000,000
208000 Irrigation System	SF	x	= \$	-
20XXXX Irrigation Point of Connection	LS	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
XXXXXX Plant Establishment Period	MO	x	= \$	-
204101 Extend Plant Establishment Work	LS	x	= \$	-
20XXXX Follow-up Landscape Project	LS	x	= \$	-
150685 Remove Irrigation Facility	LS	x	= \$	-
20XXXX Maintain Existing (Irrigation or Planted Areas)	LS	x	= \$	-
206400 Check and Test Existing Irrigation Facilities	LS	x	= \$	-
201700 Imported Topsoil (X)	LS	x	= \$	-
XXXXXX Soil Preparation and Fine Grading	SF	x	= \$	-
20XXXX Rock Blanket, Rock Mulch, DG, Gravel Mulch	sqft/sqyd	x	= \$	-
200122 Weed Germination	SQYD	x	= \$	-
208304 Water Meter	EA	x	= \$	-
2087XX XX" Conduit (Use for Irrigation x-overs)	LF	x	= \$	-
20890X Extend X" Conduit (Use for Extension of Irrigation x-overs)	LF	x	= \$	-
<i>Subtotal Landscape and Irrigation</i>				\$ 1,000,000

5C - EROSION CONTROL

Item code	Unit	Quantity	Unit Price (\$)	Cost
210010 Move In/Move Out (Erosion Control)	EA	x	= \$	-
210350 Fiber Rolls	LF	x	= \$	-
210360 Compost Sock	LF	x	= \$	-
2102XX Rolled Erosion Control Product (X)	SQFT	x	= \$	-
21025X Bonded Fiber Matrix	sqft/acre	x	= \$	-
210300 Hydromulch	SQFT	x	0.35 = \$	-
210420 Straw	SQFT	x	= \$	-
210430 Hydroseed	SQFT	x	0.10 = \$	-
210600 Compost	SQFT	x	= \$	-
210630 Incorporate Materials	SQFT	x	= \$	-
XXXXXX Trees	EA	x	250.00 = \$	-
XXXXXX Shrubs and Grondcover	SQFT	x	25.00 = \$	-
<i>Subtotal Erosion Control</i>				\$ -

5D - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	1	x 50,000.00 = \$	50,000
074019 Prepare SWPPP	LS	1	x 10,000.00 = \$	10,000
074017 Prepare WPCP	LS	1	x 500,000.00 = \$	500,000
XXXXXX Temporary Erosion Control	LS	1	x 50,000.00 = \$	50,000
130100 Job Site Management	LS	x	= \$	-
130330 Storm Water Annual Report	EA	x	= \$	-
130310 Rain Event Action Plan (REAP)	EA	x	= \$	-
130320 Storm Water Sampling and Analysis Day	EA	x	= \$	-
130520 Temporary Hydraulic Mulch	SQYD	x	= \$	-
130550 Temporary Hydroseed	SQYD	x	= \$	-
130505 Move-In/Move-Out (Temporary Erosion Control)	EA	x	= \$	-
130640 Temporary Fiber Roll	LF	x	= \$	-
130900 Temporary Concrete Washout	LS	x	= \$	-
130710 Temporary Construction Entrance	EA	x	= \$	-
130610 Temporary Check Dam	LF	x	= \$	-
130620 Temporary Drainage Inlet Protection	EA	x	= \$	-
130730 Street Sweeping	LS	x	= \$	-
<i>Subtotal NPDES</i>				\$ 560,000

TOTAL ENVIRONMENTAL	\$ 2,060,000
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Supplemental Work for NPDES

066595 Water Pollution Control Maintenance Sharing*	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	EA	48	x 500.00 = \$	24,000
XXXXXX Storm Water Annual Report	EA	2	x 2,000.00 = \$	4,000
XXXXXX Rain Event Action Plan	EA	73	x 500.00 = \$	36,500
XXXXXX Some Item	LS	x	= \$	-
<i>Subtotal Supplemental Work for NDPS</i>				\$ 64,500

*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

Item code	Unit	Quantity	Unit Price (\$)	Cost
860460	Lighting and Sign Illumination	LS	x	= \$ -
860201	Signal and Lighting	LS	x	= \$ -
860990	Closed Circuit Television System	LS	x	= \$ -
86110X	Ramp Metering System (Location X)	LS	x	= \$ -
86070X	Interconnection Conduit and Cable	LF/LS	x	= \$ -
5602XX	Furnish Sign Structure (Type X)	LB	x	= \$ -
5602XX	Install Sign Structure (Type X)	LB	x	= \$ -
498040	XX" CIDHC Pile (Sign Foundation)	LF	x	= \$ -
86080X	Inductive Loop Detectors	EA/LS	x	= \$ -
8609XX	Traffic Monitoring Station (Type X)	LS	x	= \$ -
15075X	Remove Sign Structure	EA/LS	x	= \$ -
151581	Reconstruct Sign Structure	EA	x	= \$ -
152641	Modify Sign Structure	EA	x	= \$ -
860090	Maintain Existing Traffic Management System Eler	LS	x	= \$ -
86XXXX	Fiber Optic Conduit System	LS	x	= \$ -
XXXXX	Traffic Operation Facility	LS	1 x 800,000.00	= \$ 800,000
XXXXX	Street Lighting	LS	1 x 450,000.00	= \$ 450,000
XXXXX	Electoliers	EA	x	= \$ -
XXXXX	Some Item	Unit	x	= \$ -
<i>Subtotal Traffic Electrical</i>				\$ 1,250,000

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
566011	Roadside Sign - One Post	EA	1 x 100,000.00	= \$ 100,000
566012	Roadside Sign - Two Post	EA	x	= \$ -
5602XX	Furnish Sign	SQFT	x	= \$ -
568016	Install Sign Panel on Existing Frame	SQFT	x	= \$ -
150711	Remove Painted Traffic Stripe	LF	x	= \$ -
141101	Remove Yellow Painted Traffic Stripe (Hazardous Waste)	LF	x	= \$ -
150712	Remove Painted Pavement Marking	SQFT	x	= \$ -
150742	Remove Roadside Sign	EA	x	= \$ -
152320	Reset Roadside Sign	EA	x	= \$ -
152390	Relocate Roadside Sign	EA	x	= \$ -
82010X	Delineator (Class X)	EA	x	= \$ -
840502	Thermoplastic Traffic Stripe (Enhanced Wet Night	LF	36,856 x 1.00	= \$ 36,856
846012	Thermoplastic Crosswalk and Pavement Marking (SQFT	2,100 x 4.00	= \$ 8,400
120090	Construction Area Signs	LS	1 x 20,000.00	= \$ 20,000
84XXXX	Permanent Pavement Delineation	LS	x	= \$ -
<i>Subtotal Traffic Signing and Striping</i>				\$ 165,256

6C - Traffic Management Plan

Item code	Unit	Quantity	Unit Price (\$)	Cost
12865X	Portable Changeable Message Signs	EA/LS	x	= \$ -
<i>Subtotal Traffic Management Plan</i>				\$ -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120199	Traffic Plastic Drum	EA	x	= \$ -
12016X	Channelizer (Type X)	EA	x	= \$ -
120120	Type III Barricade	EA	x	= \$ -
129100	Temporary Crash Cushion Module	EA	x	= \$ -
120100	Traffic Control System	LS	1 x 250,000.00	= \$ 250,000
129110	Temporary Crash Cushion	EA	x	= \$ -
129000	Temporary Railing (Type K)	LF	x	= \$ -
120149	Temporary Pavement Marking (Paint)	SQFT	x	= \$ -
82010X	Delineator (Class X)	EA	x	= \$ -
70010	Progress Schedule	LS	1 x 50,000.00	= \$ 50,000
XXXXXX	Construction Staking	LS	1 x 150,000.00	= \$ 150,000
XXXXXX	Some Item	Unit	x	= \$ -
<i>Subtotal Stage Construction and Traffic Handling</i>				\$ 450,000

TOTAL TRAFFIC ITEMS	\$ 1,865,300
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SECTION 7: DETOURS

Includes constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
190101	Roadway Excavation CY	x	= \$	-
19801X	Imported Borrow CY/TON	x	= \$	-
390132	Hot Mix Asphalt (Type A) TON	x	= \$	-
26020X	Class 2 Aggregate Base TON/CY	x	= \$	-
250401	Class 4 Aggregate Subbase CY	x	= \$	-
130620	Temporary Drainage Inlet Protection EA	x	= \$	-
129000	Temporary Railing (Type K) LF	x	= \$	-
128601	Temporary Signal System LS	x	= \$	-
120149	Temporary Pavement Marking (Paint) SQFT	x	= \$	-
80010X	Temporary Fence (Type X) LF	x	= \$	-
XXXXXX	Some Item LS	x	= \$	-

* Includes constructing, maintaining, and removal

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1 through 7	\$	9,559,100
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SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items	1.0%	\$	95,591
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8B - Bike Path Items

Bike Path Items	1.0%	\$	95,591
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8C - Other Minor Items

Other Minor Items	8.0%	\$	764,728
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Total of Section 1-7	\$	9,559,100	x	10.0%	= \$	955,910
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TOTAL MINOR ITEMS	\$	956,000
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SECTIONS 9: ROADWAY MOBILIZATION

Item code						
999990	Total Section 1-8	\$	10,515,100	x	10%	= \$ 1,051,510

TOTAL ROADWAY MOBILIZATION	\$	1,051,600
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066670	Payment Adjustments For Price Index Fluctuations LS	x	= \$	-
066094	Value Analysis LS	x	= \$	-
066070	Maintain Traffic LS	x	= \$	-
066919	Dispute Resolution Board LS	x	= \$	-
066921	Dispute Resolution Advisor LS	x	= \$	-
066015	Federal Trainee Program LS	x	= \$	-
066610	Partnering LS	x	= \$	-
066204	Remove Rock and Debris LS	x	= \$	-
066222	Locate Existing Crossover LS	x	= \$	-
XXXXXX	Some Item Unit	x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5D	= \$	64,500
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Total Section 1-8	\$	10,515,100	4%	= \$	420,604
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TOTAL SUPPLEMENTAL WORK	\$	485,200
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SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code		Unit	Quantity	Unit Price (\$)	=	Cost
066105	Resident Engineers Office	LS		x	=	\$0
066063	Traffic Management Plan - Public Information	LS		x	=	\$0
066901	Water Expenses	LS		x	=	\$0
8609XX	Traffic Monitoring Station (X)	LS		x	=	\$0
066841	Traffic Controller Assembly	LS		x	=	\$0
066840	Traffic Signal Controller Assembly	LS		x	=	\$0
066062	COZEEP Contract	LS		x	=	\$0
066838	Reflective Numbers and Edge Sealer	LS		x	=	\$0
066065	Tow Truck Service Patrol	LS		x	=	\$0
066916	Annual Construction General Permit Fee	LS		x	=	\$0
XXXXXX	Some Item	Unit		x	=	\$0
Total Section 1-8			\$ 10,515,100	2%	= \$	210,302

TOTAL STATE FURNISHED	\$210,400
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SECTION 12: TIME-RELATED OVERHEAD

Total of Roadway and Structures Contract Items excluding Mobilization \$131,409,724 (used to calculate TRO)
 Total Construction Cost (excluding TRO and Contingency) \$143,231,476 (used to check if project is greater than \$5 million excluding contingency)

Estimated Time-Related Overhead (TRO) Percentage (0% to 10%) = **6%**

Item code		Unit	Quantity	Unit Price (\$)	=	Cost
090100	Time-Related Overhead	WD	500	X \$15,769	=	\$7,884,600

TOTAL TIME-RELATED OVERHEAD	\$7,884,600
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SECTION 13: ROADWAY CONTINGENCY

Total Section 1-12 \$ 20,146,900 x **20%** = \$4,029,380

TOTAL CONTINGENCY	\$4,029,400
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II. STRUCTURE ITEMS

	<u>Bridge 1</u>	<u>Bridge 2</u>	<u>Bridge 3</u>
DATE OF ESTIMATE	03/09/20	03/09/20	03/09/20
Bridge Name	Approach Span (West)	Approach Span (East)	Average Moveable Span Cost
Bridge Number	TBD	TBD	TBD
Structure Type	Box Girder	Box Girder	Lift
Width (Feet) [out to out]	87 LF	87 LF	Var LF
Total Bridge Length (Feet)	233 LF	434 LF	Var LF
Total Area (Square Feet)	20271 SQFT	37758 SQFT	Var SQFT
Structure Depth (Feet)	0 LF	0 LF	0 LF
Footing Type (pile or spread)			
Cost Per Square Foot	\$320	\$320	
COST OF EACH	\$6,486,720	\$12,082,560	\$82,176,240

Not Used In Estimate FYI Only

Not Used In Estimate FYI Only

	<u>Bridge 4</u>	<u>Bridge 5</u>	
DATE OF ESTIMATE	03/09/20	03/09/20	00/00/00
Bridge Name	Moveable Span	Moveable Span	XXXXXXXXXXXXXXXXXXXX
Bridge Number	TBD	TBD	57-XXX
Structure Type	Two Leaf Deck Bascule Girder	Vertical Lift Girder Span with Steel Frame Towers	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	83 LF	96 LF	0 LF
Total Bridge Length (Feet)	240 LF	209 LF	0 LF
Total Area (Square Feet)	19920 SQFT	19960 SQFT	0 SQFT
Structure Depth (Feet)	0 LF	0 LF	0 LF
Footing Type (pile or spread)			XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$4,445	\$3,798	\$0
COST OF EACH	\$88,544,400	\$75,808,080	\$0
	High Option	Low Option	

TOTAL COST OF BRIDGES	\$100,745,520
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TOTAL COST OF BUILDINGS	\$0
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STRUCTURES MOBILIZATION	10%	\$10,074,552
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Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total recommended percentages includes any quantified risk based contingency from the risk register.

STRUCTURES CONTINGENCY	20%	\$20,149,104
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TOTAL COST OF STRUCTURES	\$130,969,176
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Estimate Prepared By: _____

_____ 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	\$	15,000,000
	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 <u>0%</u>	\$	0
J)		Design Appreciation Factor <u>0%</u>	\$	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$15,000,000
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M)

TOTAL R/W ESTIMATE: Escalated	\$20,006,232
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N)

RIGHT OF WAY SUPPORT	\$1,333,749
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Support Cost Estimate Prepared By _____
 Project Coordinator¹ Phone _____

Utility Estimate Prepared By _____
 Utility Coordinator² Phone _____

R/W Acquisition Estimate Prepared By _____
 Right of Way Estimator³ Phone _____

Note: Items G & H applied to items A + B

¹ When estimate has Support Costs only

² When estimate has Utility Relocation

³ When R/W Acquisition is required