US Highway 50/Missouri Flat Road

Interchange Feasibility Study

Prepared for El Dorado County Department of Transportation

By

January 11, 2018

PROJECT ENGINEER *DATE*

Acceptance by:

El Dorado County Department of Transportation *DATE*

Table of Contents

Introduction

The interchange at Missouri Flat Road and US Highway 50 (US 50) was originally constructed in the 1970's with Type L-8 and Type L-1 configurations on the north and south sides, respectively. To accommodate increasing traffic demands, the interchange was reconstructed in 2008 (Phase 1) to include the following:

1) Type L-1 Configuration on both sides including widening of Missouri Flat Road to 6 total lanes (4 through and 2 left) and providing multi-lane ramps for sufficient vehicle storage at ramp intersections
2) New Overcrossing structure along Missouri Flat Road to accommodate additional lanes, Class 2 bicycle lanes, and sidewalks
3) Flexibility to accommodate a future upgrade (Phase 2) of the interchange to either of the following:
    a. 6-Lane Tight Diamond – This would expand the Phase 1 configuration by widening Missouri Flat Road to 8 total lanes (6 through and 2 left) as well as adding additional storage lanes to the ramps. This future upgrade is known as Phase 2a.
    b. Single Point Diamond (SPDI) configuration (Type L-13) – This would combine the ramp intersections into a single intersection in the center of the overcrossing structure. This future upgrade is known as Phase 2b. Phase 2a does not preclude the later construction of Phase 2b.

Purpose

The purpose of this analysis is to re-evaluate the configuration of Phase 2 based on updated funding availability and changes in Caltrans policies. With respect to the latter, Caltrans standards have changed since Phase 1 was constructed and standards on auxiliary lanes (300' minimum aux lane is now required) and the accommodation of pedestrians and bicycles have become more restrictive. In addition, the most updated Caltrans policies allow for a more expanded toolbox of interchange configurations such as the Diverging Diamond configuration. As a result, a re-evaluation of the Phase 2 configuration is appropriate to determine the optimal recommendation for the ultimate interchange configuration.

Methodology

The methodology of this analysis preserves the primary original project objective – to accommodate future growth in the most cost-effective manner. As a result, the existing overcrossing structure will not be reconstructed and right of way acquisition will be minimized or avoided, if possible.

The approach to this study includes the following:

- Consider all possible interchange configuration alternatives for Phase 2
- Screen alternative list based on fatal flaws such as inability to meet project objective or not feasible on an engineering basis.
- Develop remaining alternatives to a point where each can be evaluated based on performance and cost
- Compare alternatives based on value and provide a recommendation

Key Considerations

Several important factors should be considered during alternative development such as the following.

Existing Overcrossing Structure – The existing overcrossing bridge structure was constructed as part of Phase 1 to replace the original structure and is structurally adequate to remain in service for up to 75 years. It was also configured to accommodate a future expansion for a Phase 2a and/or 2b. As a result, it is important to preserve this structure and avoid it reconstruction.

Intersection Spacing – Providing adequate spacing between signalized intersections – both "ramp-to-ramp" and "ramp-to-local" – is an extremely important factor in minimizing congestion. The minimum standard Caltrans intersection spacing is 400', while 500' is preferred. The construction of Phase 1 improved the intersection spacing to Plaza Drive on the north side from 250' to 500', but did not change the 100' spacing on the south side to Mother Lode Drive.

Adjacent Development – Several developments exist in the southwest quadrant of the interchange and abut directly to Missouri Flat Road such as Best Western Inn Hotel, Casa Ramos Restaurant, and Park & Ride lot. Each of these currently get their only access via Mother Lode Drive. It is possible to relocate the Park & Ride Lot to the southeast quadrant to the flat area adjacent to Perks Court. Considerable commercial development exists on the north side of the interchange including many shopping areas, fast food restaurants, and gas stations – all of which are accessible via Plaza Drive.

Motherlode Drive Relocation – To provide adequate intersection spacing on the south side of the interchange, Mother Lode Drive would require relocation at least 400' southward (See Attachment A). However, this would require significant retaining walls due to the 80' tall hillside in the southwest quadrant. Right of Way acquisition from the Best Western and Casa Ramos would be required as well. This relocation, though helpful in reducing congestion is costly (approximately $7 Million) which alone exceeds the cost of most interchange alternatives considered in this analysis.

Southeast Quadrant – Perks Court is a frontage road that closely parallels the eastbound (EB) on-ramp and US 50 in the southeast quadrant of the interchange. The topography south of Perks Court drops off steeply down to 70' below the grade of Perks Court and serves as a local low point in the area comprising of dense tree vegetation. It is anticipated that significant wetland presence exists in this area.

NB to EB Bypass Lane – The movement from northbound (NB) Missouri Flat Road to EB US 50 is served by a free right turn lane which bypasses the EB ramp intersection. Pedestrians must yield to vehicles while crossing this bypass lane. Updated Caltrans standards do not permit the use of free right turn lanes and as a result, any alternative that impacts this bypass lane would be required to either remove it or process a design exception.

Rejected Alternatives – Based on the above considerations, alternatives which exhibited any of the below characteristics were initially considered, but not developed for further consideration

- Loop off-ramps in Northwest (NW) Quadrant – Providing loops in the Northwest Quadrant would reduce the north intersection spacing from 500' to 250' – thereby severely reducing the effectiveness the signal operations.
- Loop off-ramps in SE Quadrant – Providing loops in the SE Quadrant would require significant embankment and/or retaining walls in the local low area. There would also be excessive right of way and environmental impacts as well.
- Loop on-ramps in NE Quadrant – Providing loops in the NE Quadrant would require significant right of way acquisition from numerous commercial developments. Because

of the increase in footprint, there would be no opportunity for nearby relocation leading to a loss of local economic revenue.

These factors were considered fatal flaws and as a result rejected for inclusion in any further considered alternatives.

Alternative Development

Based on the project objectives and key considerations, the below alternatives were developed for further evaluation. All alternatives meet all Caltrans and County standards unless otherwise stated and provide standard Class 2 bicycle facilities and sidewalks.

Two types of alternatives were considered – short term and long term. The former are low cost alternatives designed to extend the period of acceptable traffic operations for the existing interchange by an incremental amount. Long term alternatives are intended to provide acceptable operations for the interchange for a period of at least 20 years. The implementation of short term alternatives do not preclude the implementation of long term alternatives. As a result, it is possible to implement a short term alternative and then at a later date replace it with a long term alternative.

Short-Term Alternatives

Short-term alternatives considered include the following:

Lane Reconfiguration #1 (See Attachment B)– This alternative restripes lanes on Missouri Flat Road from 12' in width to 11' to provide an additional NB lane as well as storage for the NB to WB on-ramp movement. This alternative extends the period of acceptable traffic operations for the existing interchange by approximately 5 years – well below the desired 20-year period of the project objectives. This project would require design exceptions for 11' lane widths as well as reduction of shoulders from 8' to 5'. Class 2 bike lanes would be reduced to 5', but is still considered a standard width.

Lane Reconfiguration #2 (See Attachment C)– This alternative restripes lanes on Missouri Flat Road from 12' in width to 11' to provide an additional SB lane as well as storage for the SB to EB on-ramp movement. This alternative extends the period of acceptable traffic operations for the existing interchange by approximately 3 years – well below the desired 20-year period of the project objectives. This project would require design exceptions for 11' lane widths as well as reduction of shoulders from 8' to 5'. Class 2 bike lanes would be reduced to 5', but is still considered a standard width.

Long-Term Alternatives

Long-term alternatives considered include the following:

Hook Ramps (See Attachment D)– This alternative replaces the existing EB Off-ramp with a Type L-6 configuration (aka "hook ramps") connecting into Mother Lode Drive. Traffic operations are improved due to the removal of the 100' intersection spacing on the south side. The Park and Ride lot would require relocation to the SE quadrant. Due to the limited distance between the SB to EB & NB to EB on-ramps, a 300' auxiliary lane could not be accommodated and would require a design exception to Caltrans standards. In addition, the Type L-6 configuration is highly undesirable to Caltrans policies and as a result, the probability of the approval of this configuration is low.

Partial Cloverleaf (See Attachment E)– This alternative replaces the existing EB Off-ramp with a Type L-9 configuration (aka "Partial Cloverleaf") requiring the relocation of Mother Lode Drive. Traffic operations are improved due to the removal of the 100' intersection spacing on the south side and the modification of the EB ramp intersection to a two-phase operation. The Park and Ride lot would

require relocation to the SE quadrant. Due to the limited distance between the SB to EB & NB to EB on-ramps, a 300' auxiliary lane could not be accommodated and would require a design exception to Caltrans standards. This configuration is highly desirable to Caltrans policies and as a result, the probability of the approval of this configuration is very high.

Roundabout Intersections (See Attachment F)– This alternative replaces the existing ramp intersections with unsignalized roundabouts. Mother Lode Drive would be preserved in its current configuration and connect into the EB ramp intersection on a fifth leg. As a result, traffic operations are improved due to the removal of the 100' intersection spacing on the south side and the general efficiencies of a roundabout as opposed to a conventional intersection. The Park and Ride lot would not require relocation. There is precedent for this configuration in the area and as a result, it is acceptable to Caltrans policies. The probability of the approval of this configuration is high.

Diverging Diamond (See Attachment G & H)– This alternative reconfigures Missouri Flat Road and the ramp intersections to a diverging diamond (DDI) configuration. The overcrossing structure would be widened to accommodate 6 lanes on Missouri Flat Road. Traffic operations are improved due to the general efficiencies of two-phase signals at the ramp intersections. The Park and Ride lot would not require relocation. Although there have been approximately 60 DDI's constructed in the United States, this configuration is relatively new to Caltrans as the first one in the state is being constructed in 2018. The probability of the approval of this configuration is high. Mother Lode Drive could either be preserved or relocated and as a result, two variations are considered for this configuration. In the event Mother Lode Drive remains, its access would be limited to right-in/right-out and a design exception for intersection spacing to Mother Lode Drive will be required.

6-Lane Tight Diamond (See Attachment I)– Also known as Phase 2a, this alternative is one of the possible ultimate configurations for Phase 2. It widens Missouri Flat Road to 8 total lanes (6 through and 2 left) and adds a lane onto each off-ramp. Traffic operations are improved due to the increased capacity. The Park and Ride lot would not require relocation. The overcrossing structure will require widening to add one lane on each side. The probability of the approval of this configuration is high, but will require a design exception for intersection spacing to Mother Lode Drive.

Single Point Diamond (See Attachment J)– Also known as Phase 2b, this alternative is one of the possible ultimate configurations for Phase 2. Traffic operations are improved due to the removal of the 100' intersection spacing on the south side, the increase of intersection spacing on the north side to 700', and the general efficiencies of combining the ramp intersections into a single point. The Park and Ride lot would not require relocation. The overcrossing structure will require widening to triple its current area which leads to a significant cost. The probability of the approval of this configuration is high as it has already gained Caltrans approval as part of Phase 1.

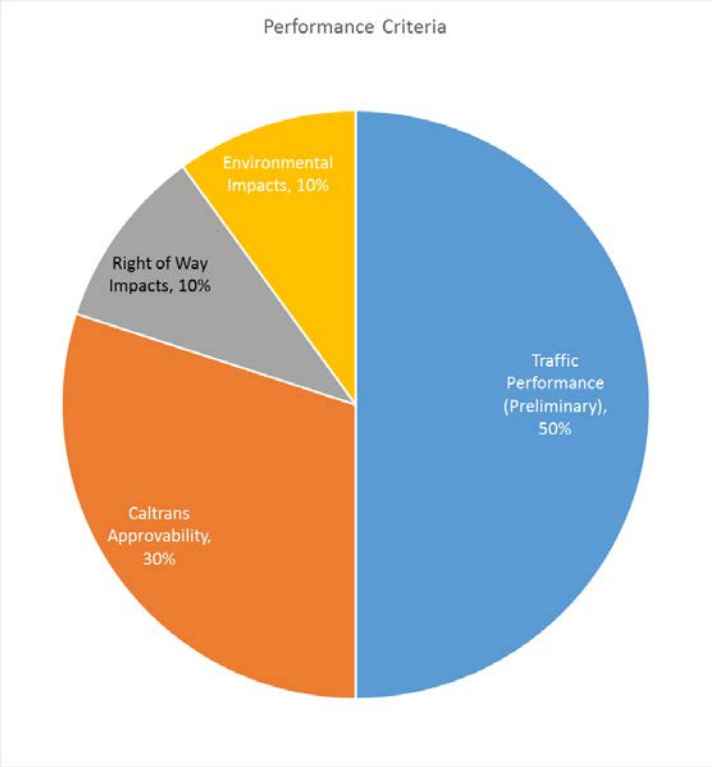
All long-term alternatives were developed for preliminary geometry, right of way impacts, environmental impacts, and cost.

Alternatives Comparison

The alternatives were compared to each other based on the following weighted criterion and a value index developed for each based on performance/cost.

(Value Index = Performance/Cost)

First, the major performance criteria was defined as follows to determine the relative importance of each criterion.



Thereafter, the performance of each alternative was calculated. Finally, a value index score was determined to compare overall value of each alternative.

	Traffic Performance (Preliminary)	Caltrans Approvability	Right of Way Impacts	Environmental Impacts	Performance Score (1000 Max)	Cost	Value Index = (Score/Cost) *1,000,000
Weighting	50%	30%	10%	10%			
No-Build	1	10	10	10	**550**	**$0**	**N/A**
Hook Ramps	6	1	6	6	**450**	**$3,000,000**	**150**
Partial Cloverleaf	6	4	2	5	**490**	**$11,750,000**	**42**
Diverging Diamond	7	8	9	8	**760**	**$4,600,000**	**165**
Diverging Diamond (Relocate Mother Lode)	9	9	2	8	**820**	**$11,300,000**	**73**
Roundabout	3	9	7	7	**560**	**$3,800,000**	**147**
6-Lane Tight Diamond	5	9	9	8	**690**	**$4,500,000**	**153**
Single Point Diamond	5	10	10	9	**740**	**$25,750,000**	**29**

Programming

Additional Costs associated with further project development are shown below.

	Construction Cost	Project Management	Engineering (PR, PS&E)	Environmental Mitigation	Construction Management	Total Cost
Weighting		8%	30%	Varies	15%	
No-Build	**$0**	$0	$0	$0	$0	**$0**
Hook Ramps	**$3,000,000**	$240,000	$900,000	$120,000	$450,000	**$4,710,000**
Partial Cloverleaf	**$11,750,000**	$940,000	$3,525,000	$587,500	$1,762,500	**$18,565,000**
Diverging Diamond	**$4,600,000**	$368,000	$1,380,000	$92,000	$690,000	**$7,130,000**
Diverging Diamond (Relocate Mother Lode)	**$11,300,000**	$904,000	$3,390,000	$226,000	$1,695,000	**$17,515,000**
Roundabout	**$3,800,000**	$304,000	$1,140,000	$114,000	$570,000	**$5,928,000**
6-Lane Tight Diamond	**$4,500,000**	$360,000	$1,350,000	$90,000	$675,000	**$6,975,000**
Single Point Diamond	**$25,750,000**	$2,060,000	$7,725,000	$257,500	$3,862,500	**$39,655,000**

Recommendation

Based on this analysis, the Diverging Diamond (with no relocation of Mother Lode Drive) provides the best value and is significantly less costly than the SPDI alternative.

Attachments

Attachment A – Mother Lode Drive Relocation

Attachment B – Lane Reconfiguration #1

Attachment C – Lane Reconfiguration #2

Attachment D – Hook Ramps

Attachment E – Partial Cloverleaf (with Mother Lode Relocation)

Attachment F – Roundabouts

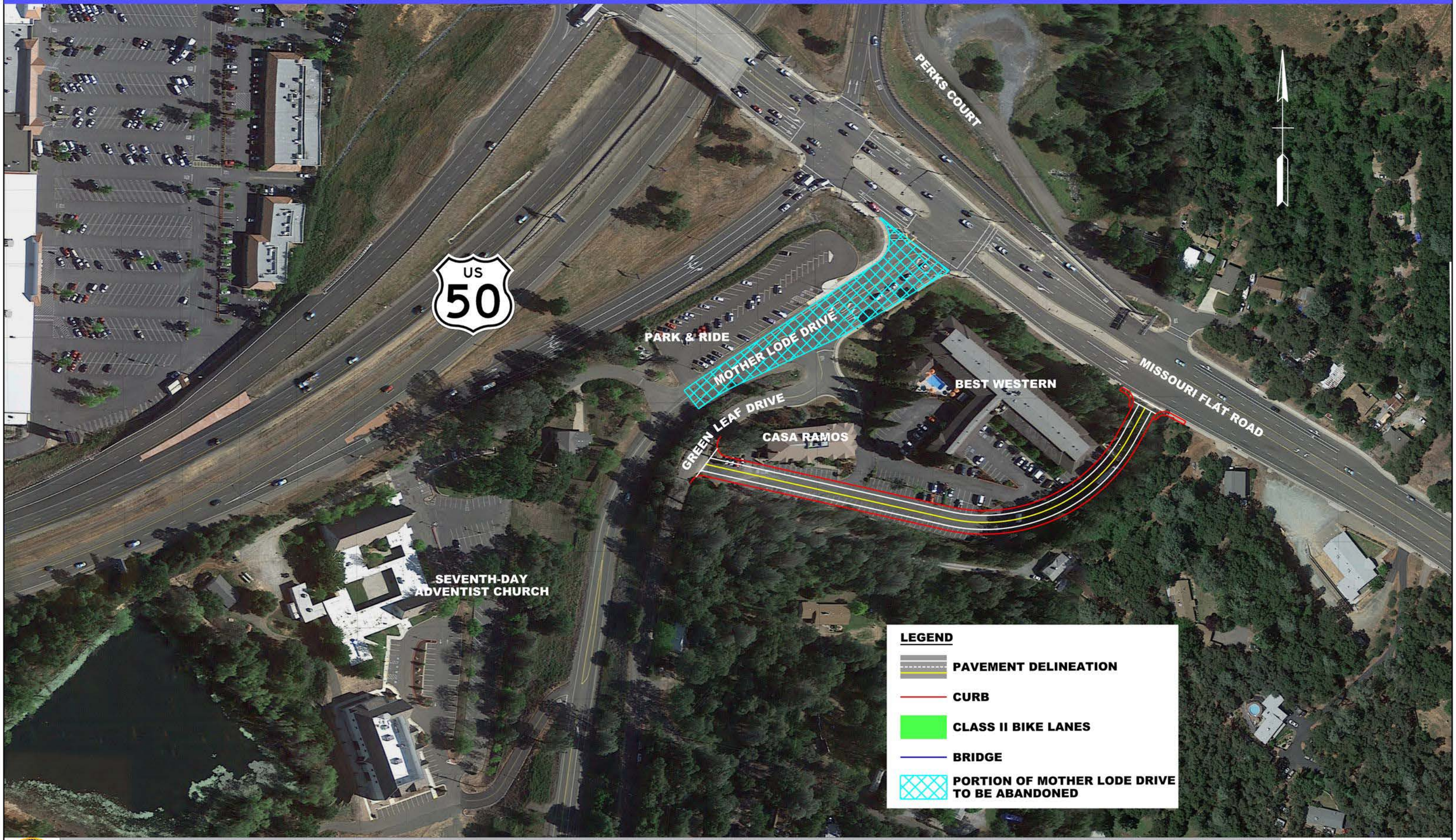
Attachment G – Diverging Diamond

Attachment H – Diverging Diamond (with Mother Lode Relocation)

Attachment I – 6-Lane Tight Diamond

Attachment J – Single Point Diamond

Attachment K – Cost Estimates

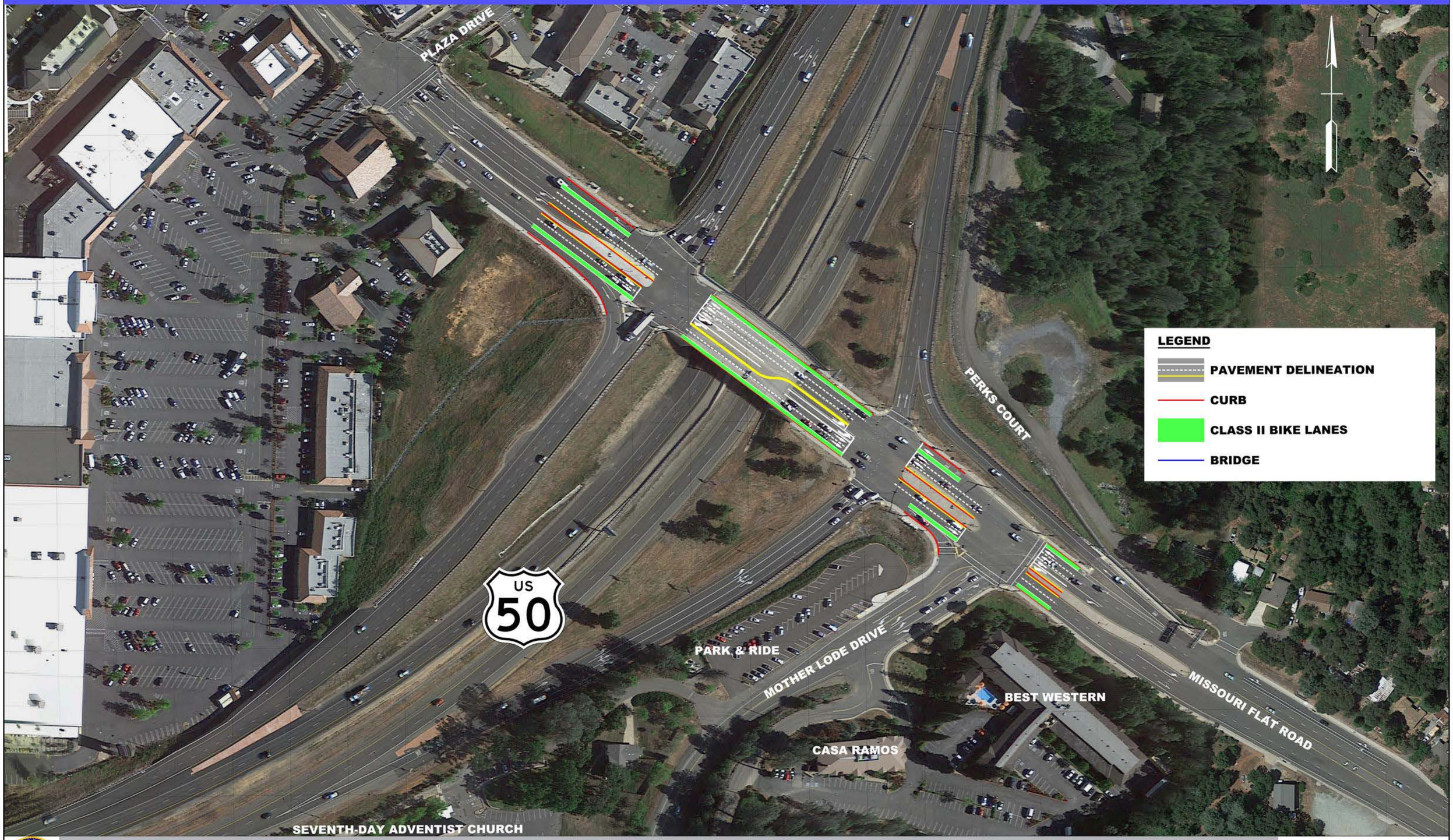


EL DORADO COUNTY

US 50/MISSOURI FLAT ROAD INTERCHANGE - MOTHER LODE DRIVE REALIGNMENT

8/15/2017

QUINCY ENGINEERING



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US 50/MISSOURI FLAT ROAD INTERCHANGE - LANE RECONFIGURATION ALTERNATIVE 1

9/28/2017

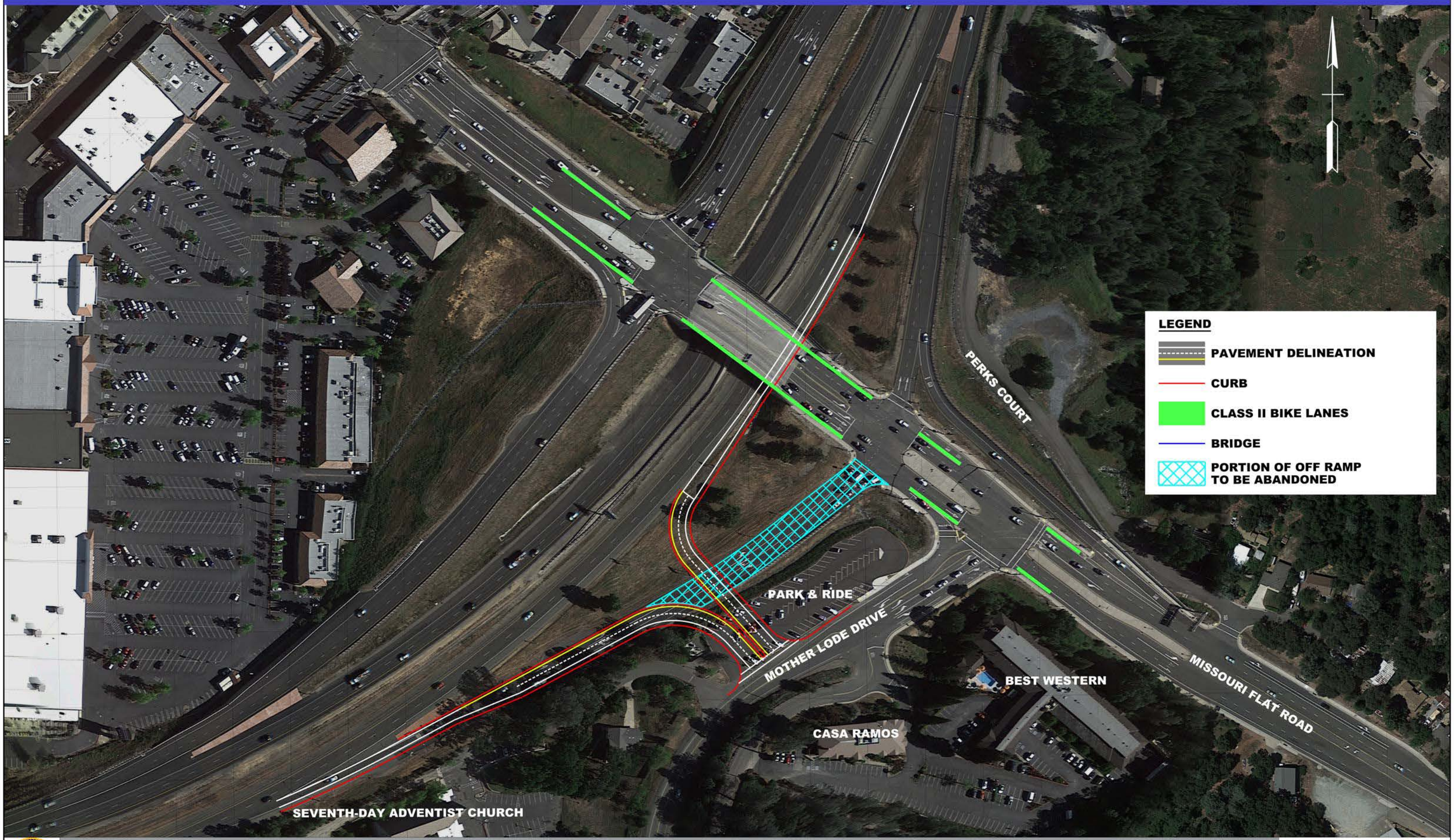
QUINCY ENGINEERING

EL DORADO COUNTY

US 50/MISSOURI FLAT ROAD INTERCHANGE - LANE RECONFIGURATION ALTERNATIVE 2

9/28/2017

QUINCY ENGINEERING



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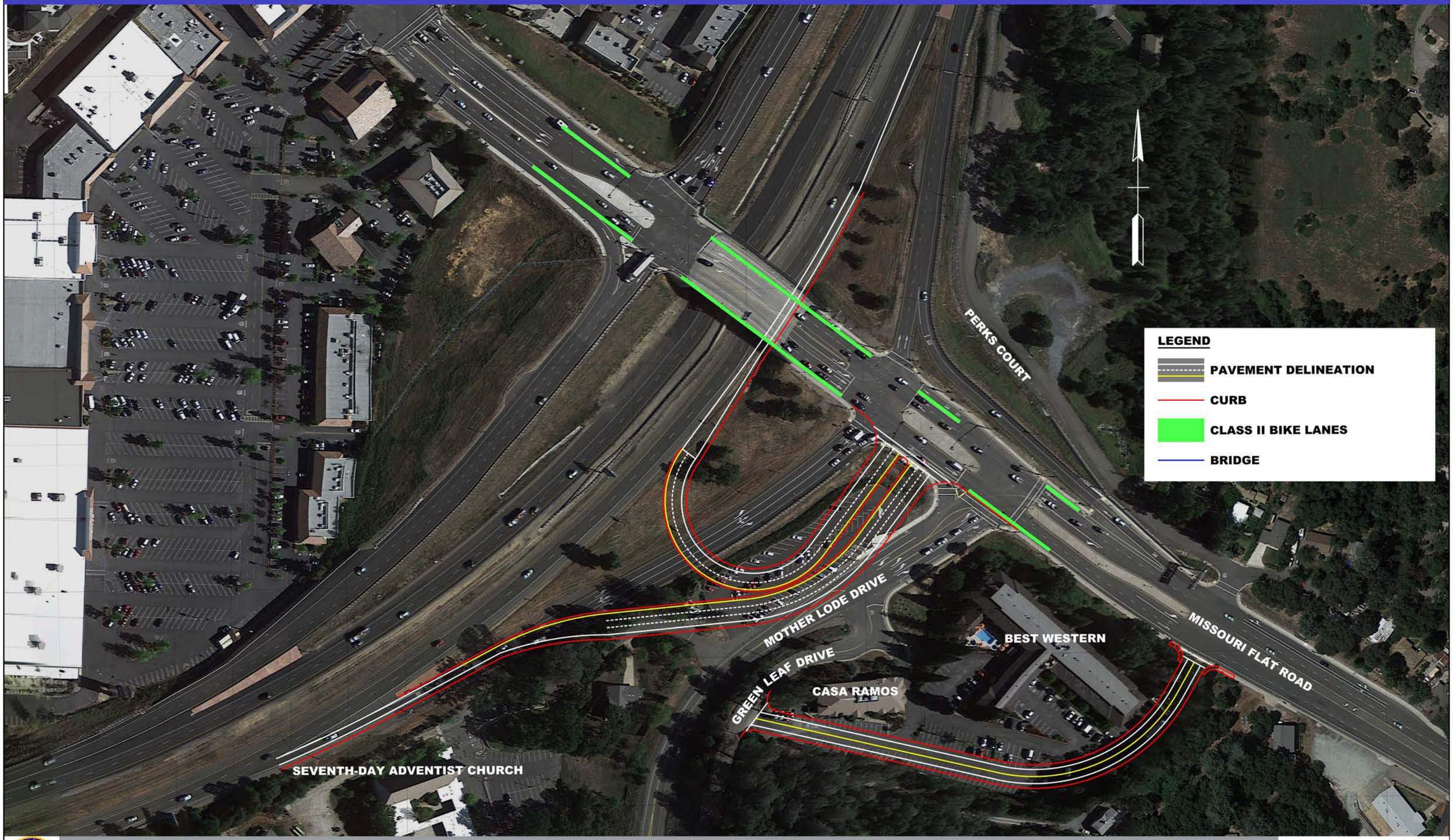
US 50/MISSOURI FLAT ROAD INTERCHANGE - HOOK RAMPS

9/28/2017

QUINCY ENGINEERING



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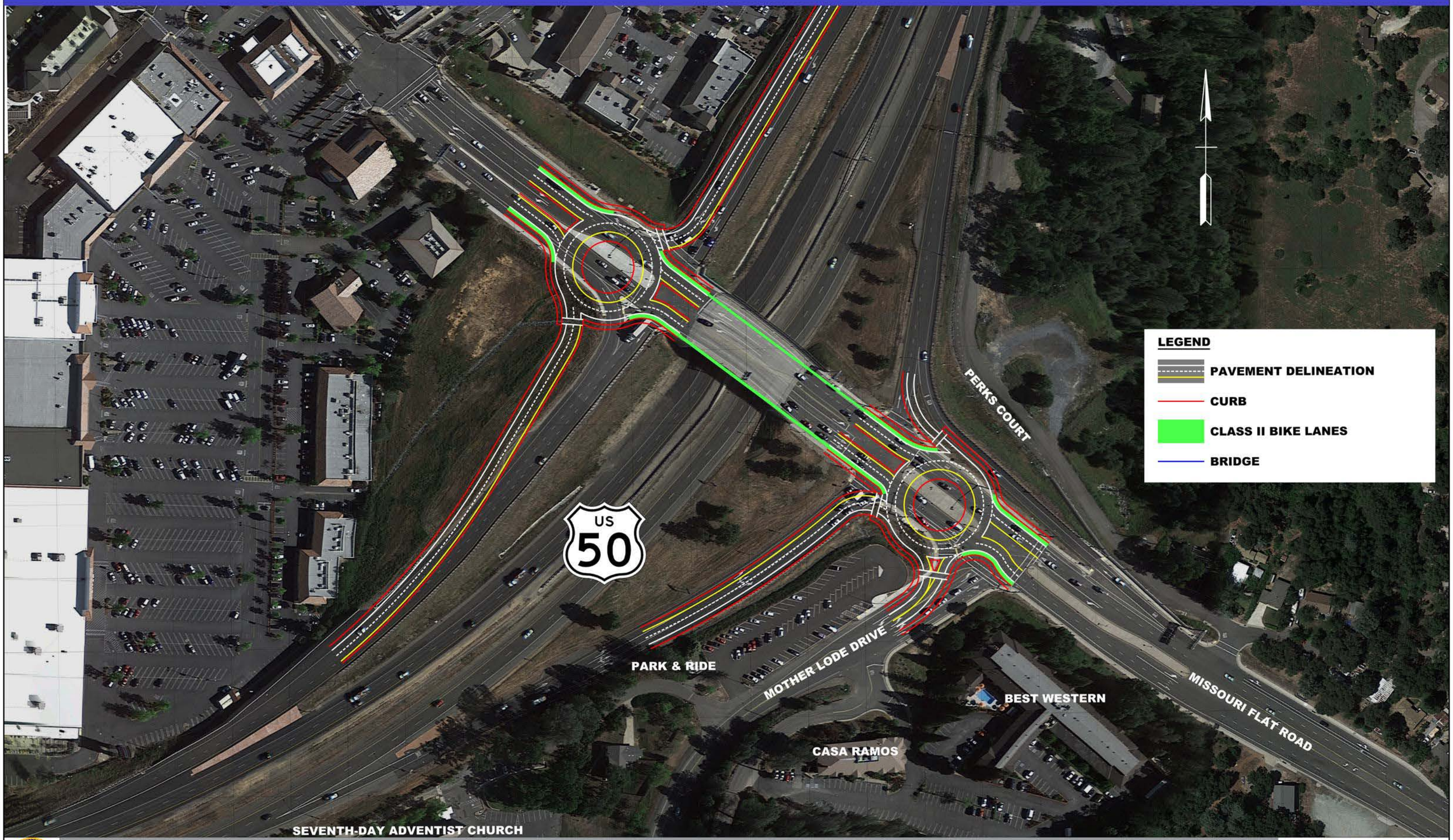
US 50/MISSOURI FLAT ROAD INTERCHANGE - PARTIAL CLOVERLEAF INTERCHANGE

9/28/2017

QUINCY ENGINEERING



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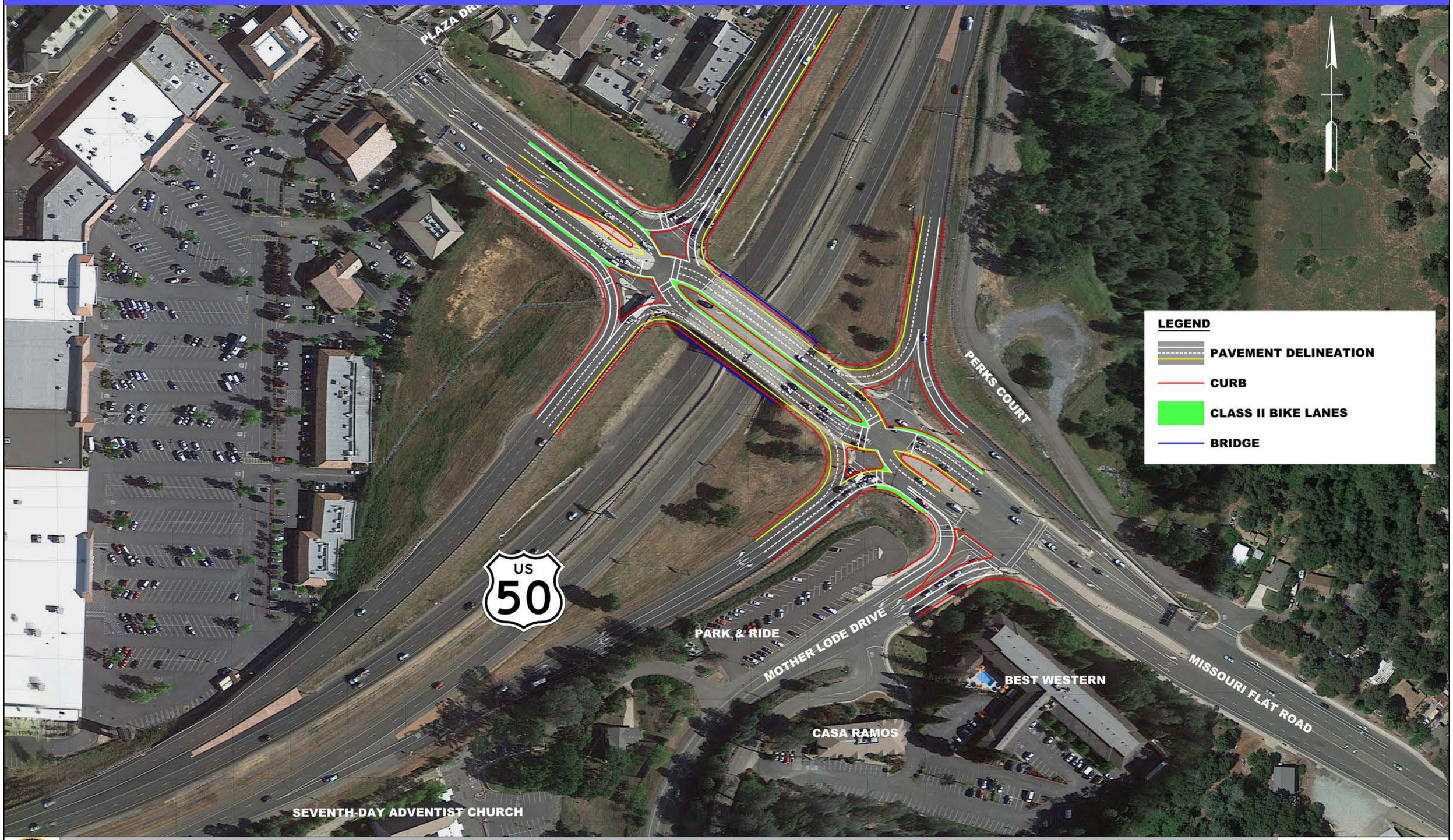
US 50/MISSOURI FLAT ROAD INTERCHANGE - ROUNDABOUTS

9/28/2017

QUINCY ENGINEERING

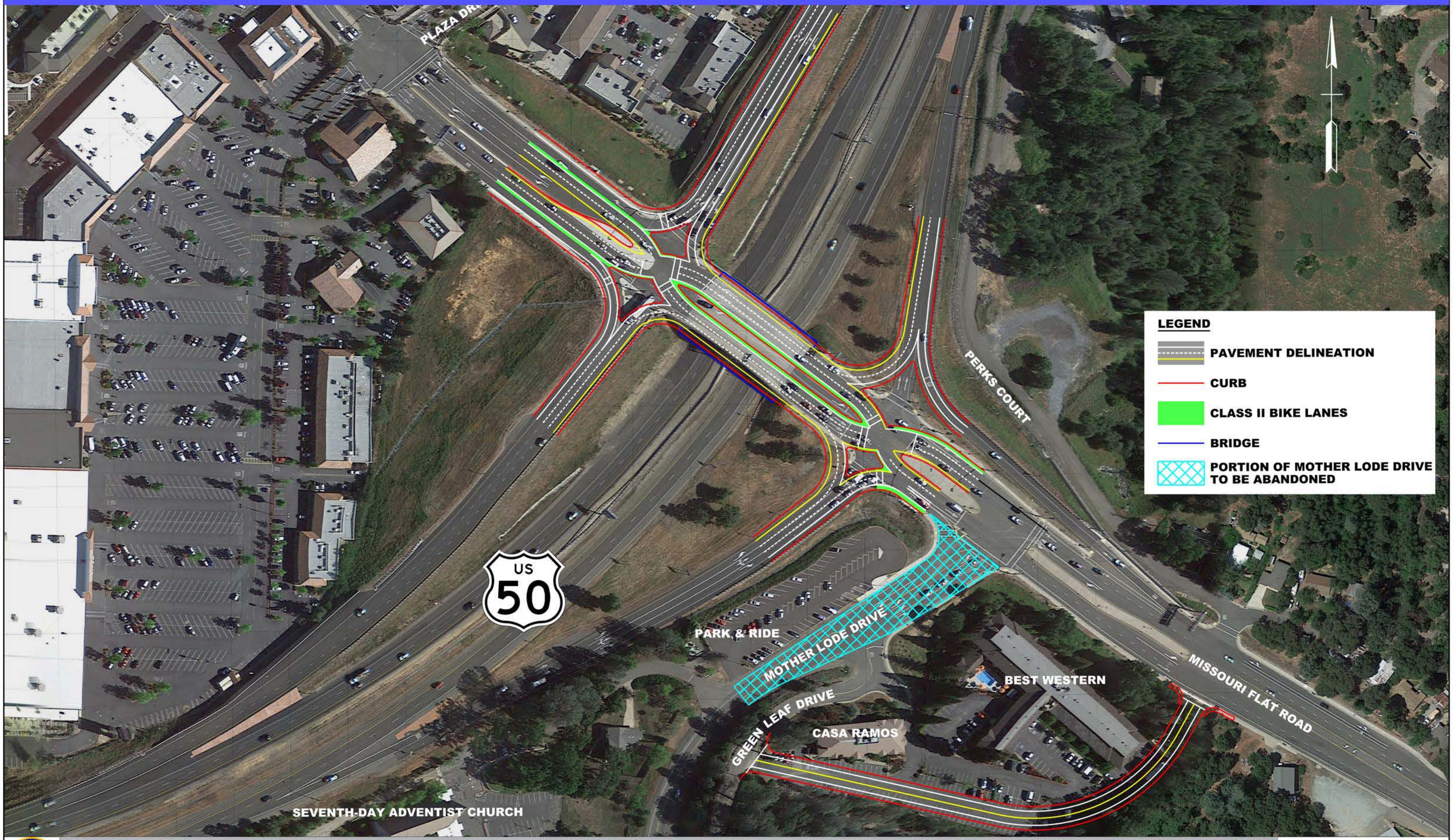


EL DORADO COUNTY

US 50/MISSOURI FLAT ROAD INTERCHANGE - DIVERGING DIAMOND INTERCHANGE

9/28/2017

QUINCY ENGINEERING

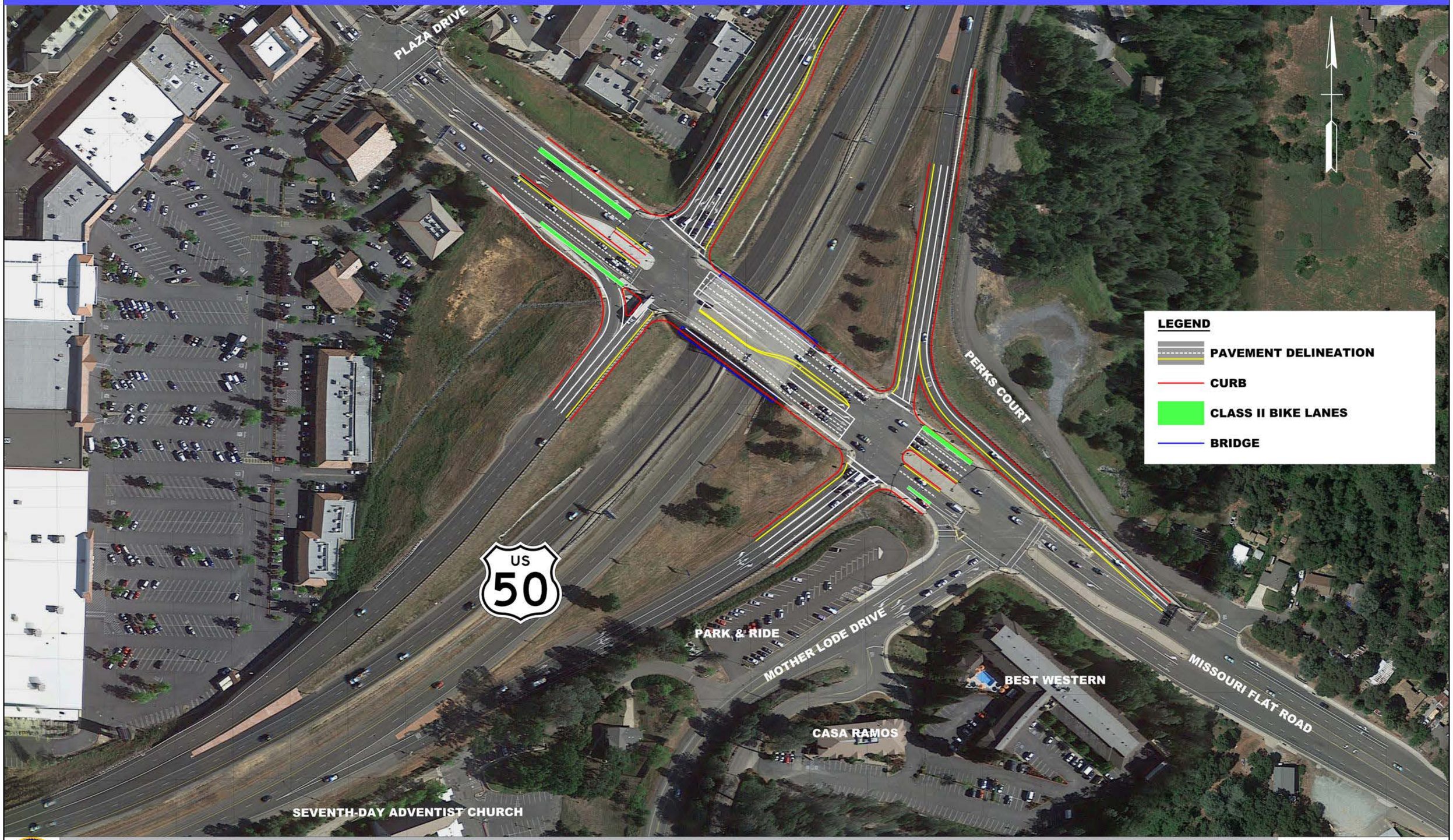


EL DORADO COUNTY

US 50/MISSOURI FLAT ROAD INTERCHANGE - DIVERGING DIAMOND INTERCHANGE (RELOCATE MOTHER LODE DRIVE)

9/28/2017

QUINCY ENGINEERING



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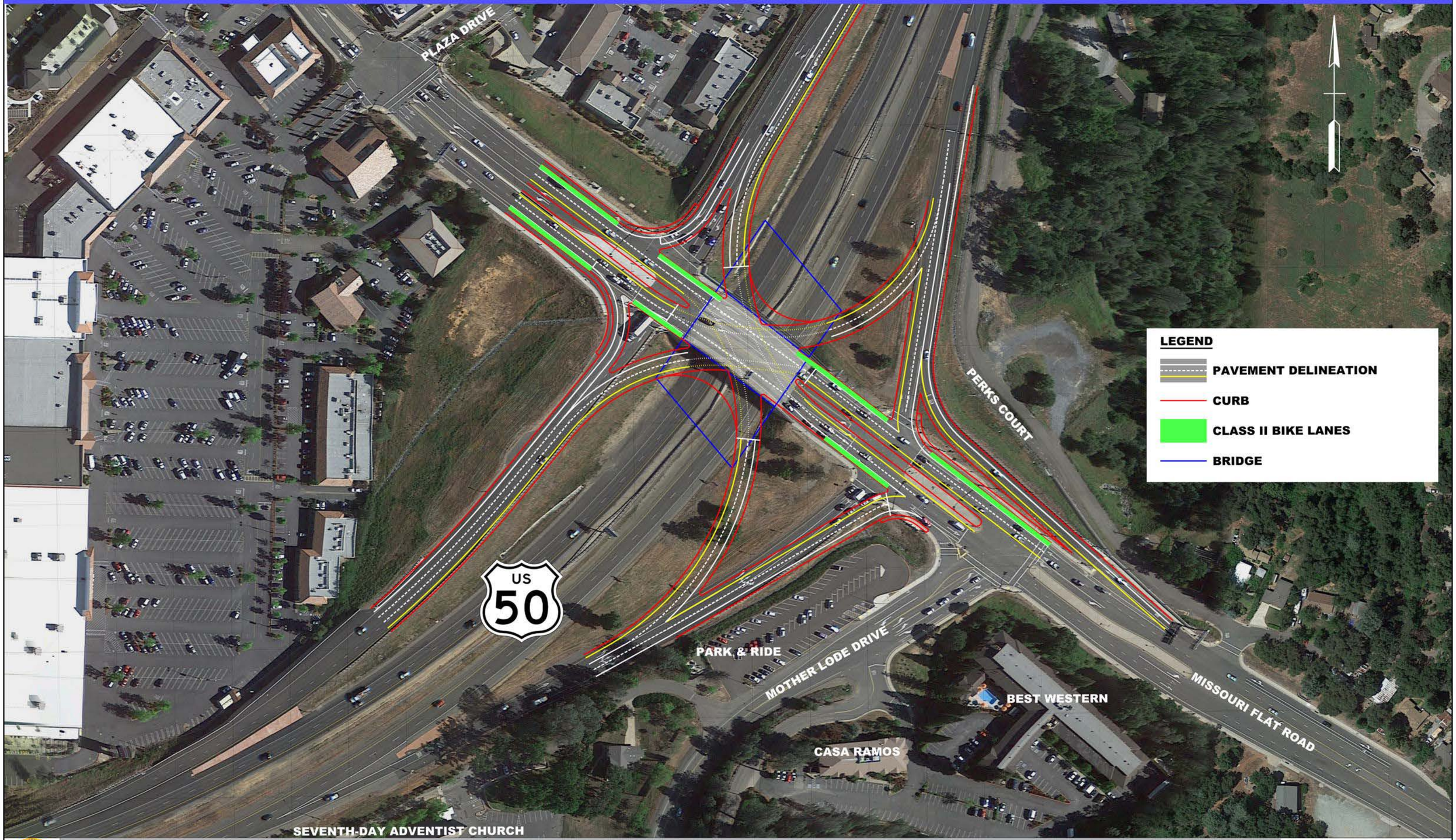
US 50/MISSOURI FLAT ROAD INTERCHANGE - 6-LANE TIGHT DIAMOND INTERCHANGE (WIDENING)

7/20/2017

QUINCY ENGINEERING



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US 50/MISSOURI FLAT ROAD INTERCHANGE - SINGLE POINT DIAMOND INTERCHANGE

7/20/2017

QUINCY ENGINEERING

Preliminary Cost Estimate

Project ID:

Type of Estimate :
Program Code :
Project Limits :
Description:
Scope :
Alternative : Lane Reconfiguration - Alternative 1

	Current Cost	Escalated Cost
ROADWAY ITEMS	$ 674,400	$ 674,400
STRUCTURE ITEMS	$ -	$ -
SUBTOTAL CONSTRUCTION COST	$ 674,400	$ 674,400
RIGHT OF WAY	$ -	$ -
TOTAL CAPITAL OUTLAY COST	$ 675,000	$ 675,000
PR/ED SUPPORT	$ -	$ -
PS&E SUPPORT	$ -	$ -
RIGHT OF WAY SUPPORT	$ -	$ -
CONSTRUCTION SUPPORT	$ -	$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	$ -	$ -
TOTAL PROJECT COST	$ 675,000	$ 675,000

If Project has been programmed enter Programmed Amount $ -

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

Estimated Date of Construction Start (Month/Year) /

Number of Working Days Working Days

Estimated Mid-Point of Construction (Month/Year) Month / Year

Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project Manager

(xxx) xxx-xxxx

Project Manager **Date** **Phone**

I. ROADWAY ITEMS SUMMARY

	Section	Cost
1	Earthwork	$ -
2	Pavement Structural Section	$ -
3	Drainage	$ -
4	Specialty Items	$ 144,000
5	Environmental	$ -
6	Traffic Items	$ 350,000
7	Detours	$ -
8	Minor Items	$ -
9	Roadway Mobilization	$ -
10	Supplemental Work	$ 24,700
11	State Furnished	$ -
12	Contingencies	$ 155,700
13	Overhead	$ -
	TOTAL ROADWAY ITEMS	**$ 674,400**

Estimate Prepared By _____
Name and Title Date Phone

Estimate 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
Roadway Excavation	CY	0	x	40.00	=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

TOTAL EARTHWORK SECTION ITEMS $ -

SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity		Unit Price ($)			Cost
Pavement	SF	0	x	10.00	=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
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			x		=	$	-

TOTAL STRUCTURAL SECTION ITEMS $ -

SECTION 3: DRAINAGE

Item code		Unit	Quantity		Unit Price ($)			Cost
	Drainage	LS	0	x	100,000.00	=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-

TOTAL DRAINAGE ITEMS $ -

SECTION 4: SPECIALTY ITEMS

Item code		Unit	Quantity		Unit Price ($)			Cost
	Curb	CY	180	x	800.00	=	$	144,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-

TOTAL SPECIALTY ITEMS $ 144,000

SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity		Unit Price ($)		Cost
			x		= $	-
			x		= $	-

Subtotal Environmental *$* -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity		Unit Price ($)		Cost
Landscape and Irrigation	LS	0	x	50,000.00	= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-

Subtotal Landscape and Irrigation *$* -

5C - NPDES

Item code	Unit	Quantity		Unit Price ($)		Cost
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-

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

			x		= $	-
			x		= $	-
			x		= $	-

Subtotal NPDES (Without Supplemental Work) *$* -

*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 **$** **-**

SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity		Unit Price ($)			Cost
Traffic Signal	EA	2	x	100,000.00	=	$	200,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Traffic Electrical *$ 200,000*

6B - Traffic Signing and Striping

Item code	Unit	Quantity		Unit Price ($)			Cost
Pavement Delineation	LS	1	x	25,000.00	=	$	25,000
Roadside Signs	LS	1	x	5,000.00	=	$	5,000
Overhead Signs	LS	1	x	100,000.00	=	$	100,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Traffic Signing and Striping *$ 130,000*

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity		Unit Price ($)			Cost
Traffic Control Systems	LS	1	x	20,000.00	=	$	20,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Stage Construction and Traffic Handling *$ 20,000*

TOTAL TRAFFIC ITEMS **$ 350,000**

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 $ 494,000

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				0.0%	$	-
	Total of Section 1-7	$	494,000	x	0.0%	= $	-

TOTAL MINOR ITEMS $ -

SECTIONS 9: MOBILIZATION

Item code							
999990	Total Section 1-8	$	494,000	x	10%	= $	-

TOTAL MOBILIZATION $ -

SECTION 10: SUPPLEMENTAL WORK

Item code		Unit	Quantity		Unit Price ($)		Cost
066015	Federal Trainee Program	LS		x		= $	-
066063	Traffic Management Plan - Public Informatic	LS		x		= $	-
066090	Maintain Traffic	LS		x		= $	-
066094	Value Analysis	LS		x		= $	-
066204	Remove Rock & Debris	LS		x		= $	-
066222	Locate Existing Cross-Over	LS		x		= $	-
066670	Payment Adjustments For Price Index Fluct	LS		x		= $	-
066700	Partnering	LS		x		= $	-
066866	Operation of Existing Traffic Management S	LS		x		= $	-
066920	Dispute Review Board	LS		x		= $	-
XXXXXX	Some Item			x		= $	-
	*Cost of **NPDES** Supplemental Work specified in Section 5C*					= $	-
	Total Section 1-8	$	494,000		5%	= $	24,700

TOTAL SUPPLEMENTAL WORK $ 24,700

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code		Unit	Quantity		Unit Price ($)		Cost
066063	Public Information	LS		x		=	$0
066105	RE Office	LS		x		=	$0
066803	Padlocks	LS		x		=	$0
066838	Reflective Numbers and Edge Sealer	LS		x		=	$0
066901	Water Expenses	LS		x		=	$0
066062A	COZEEP Expenses	LS		x		=	$0
06684X	Ramp Meter Controller Assembly	LS		x		=	$0
06684X	TMS Controller Assembly	LS		x		=	$0
06684X	Traffic Signal Controller Assembly	LS		x		=	$0
XXXXXX	Some Item						

Total Section 1-8	$	494,000	0%	= $	-

TOTAL STATE FURNISHED $0

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code		Unit	Quantity		Unit Price ($)		Cost
070018	Time-Related Overhead	WD	0	X	#DIV/0!	=	$0

TOTAL TIME-RELATED OVERHEAD $0

SECTION 13: CONTINGENCY

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

Total Section 1-11	$	518,700	x	30%	=	$155,610	

TOTAL CONTINGENCY $155,700

II. STRUCTURE ITEMS

Retaining Walls

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Building Name	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Width (Feet) [out to out]	LF	0.00 LF	0.00 LF
Total Building Length (Feet)	LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$100.00	$0.00	$0.00

COST OF EACH STRUCTURE	**$0.00**	**$0.00**	**$0.00**

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$0.00	$0.00	$0.00

COST OF EACH STRUCTURE	**$0.00**	**$0.00**	**$0.00**

TOTAL COST OF BRIDGES	**$0.00**
TOTAL COST OF RETAINING	**$0.00**

TOTAL COST OF STRUCTURES[1]	**$0.00**

Estimate Prepared By: _____ Date

XXXXXXXXXXXXXXXX ------ Division of Structures

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

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

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 (Items G & H applied to items A + B)		0%	$	0
J)	Design Appreciation Factor		0%	$	0
K)	Utility Relocation (Construction Cost)			$	0

L) **TOTAL RIGHT OF WAY ESTIMATE $0**

(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated $0**

N) **Right of Way Support $ 0**

Support Cost Estimate Prepared By _____ Project Coordinator[1] Phone

Utility Estimate Prepared By _____ Utiliy Coordinator[2] Phone

R/W Acquistion Estimate Prepared By _____ Right of Way Estimator[3] Phone

[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.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											$ -	0.00%
PS&E (PS)											$ -	0.00%
R/W (RW)											$ -	0.00%
CONSTRUCTION (CM)											$ -	0.00%
Total Support Cost:	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		**$ -**	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	**$675,000**
Total Capital Outlay Support Cost:	**$0**
Overall Percent Support Cost:	**0.00%**

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	0	/	0
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	0	1	2	3	4	5	6	7	8	9	FUTURE
FORECASTED ESCALATION RATE*											

ESCALATED CONSTRUCTION COSTS	0	1	2	3	4	5	6	7	8	9	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400
STRUCTURE ITEMS	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SUBTOTAL	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	**$ 674,400**

Approved by: _____
Project Control Engineer

_____
Date

Preliminary Cost Estimate

Project ID:

Type of Estimate :
Program Code :
Project Limits :
Description:
Scope :
Alternative : Lane Reconfiguration - Alternative 2

	Current Cost	Escalated Cost
ROADWAY ITEMS	$ 674,400	$ 674,400
STRUCTURE ITEMS	$ -	$ -
SUBTOTAL CONSTRUCTION COST	$ 674,400	$ 674,400
RIGHT OF WAY	$ -	$ -
TOTAL CAPITAL OUTLAY COST	$ 675,000	$ 675,000
PR/ED SUPPORT	$ -	$ -
PS&E SUPPORT	$ -	$ -
RIGHT OF WAY SUPPORT	$ -	$ -
CONSTRUCTION SUPPORT	$ -	$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	$ -	$ -
TOTAL PROJECT COST	$ 675,000	$ 675,000

If Project has been programmed enter Programmed Amount $ -

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

Estimated Date of Construction Start (Month/Year) /

Number of Working Days Working Days

Estimated Mid-Point of Construction (Month/Year) Month / Year

Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project Manager

(xxx) xxx-xxxx

Project Manager **Date** **Phone**

I. ROADWAY ITEMS SUMMARY

	Section	Cost
1	Earthwork	$ -
2	Pavement Structural Section	$ -
3	Drainage	$ -
4	Specialty Items	$ 144,000
5	Environmental	$ -
6	Traffic Items	$ 350,000
7	Detours	$ -
8	Minor Items	$ -
9	Roadway Mobilization	$ -
10	Supplemental Work	$ 24,700
11	State Furnished	$ -
12	Contingencies	$ 155,700
13	Overhead	$ -
	TOTAL ROADWAY ITEMS	**$ 674,400**

Estimate Prepared By _____
Name and Title Date Phone

Estimate 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
Roadway Excavation	CY	0	x	40.00	=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

TOTAL EARTHWORK SECTION ITEMS	**$ -**

SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity		Unit Price ($)			Cost
Pavement	SF	0	x	10.00	=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
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			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

TOTAL STRUCTURAL SECTION ITEMS	**$ -**

SECTION 3: DRAINAGE

Item code		Unit	Quantity		Unit Price ($)			Cost
	Drainage	LS	0	x	100,000.00	=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL DRAINAGE ITEMS $ -

SECTION 4: SPECIALTY ITEMS

Item code		Unit	Quantity		Unit Price ($)			Cost
	Curb	CY	180	x	800.00	=	$	144,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL SPECIALTY ITEMS $ 144,000

SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity		Unit Price ($)		Cost
			x		= $	-
			x		= $	-

Subtotal Environmental *$* -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity		Unit Price ($)		Cost
Landscape and Irrigation	LS	0	x	50,000.00	= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-

Subtotal Landscape and Irrigation *$* -

5C - NPDES

Item code	Unit	Quantity		Unit Price ($)		Cost
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-

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

			x		= $	-
			x		= $	-
			x		= $	-

Subtotal NPDES (Without Supplemental Work) *$* -

*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 **$** **-**

SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity		Unit Price ($)			Cost
Traffic Signal	EA	2	x	100,000.00	=	$	200,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Traffic Electrical *$ 200,000*

6B - Traffic Signing and Striping

Item code	Unit	Quantity		Unit Price ($)			Cost
Pavement Delineation	LS	1	x	25,000.00	=	$	25,000
Roadside Signs	LS	1	x	5,000.00	=	$	5,000
Overhead Signs	LS	1	x	100,000.00	=	$	100,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Traffic Signing and Striping *$ 130,000*

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity		Unit Price ($)			Cost
Traffic Control Systems	LS	1	x	20,000.00	=	$	20,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Stage Construction and Traffic Handling *$ 20,000*

TOTAL TRAFFIC ITEMS **$ 350,000**

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 $ 494,000

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				0.0%	$	-
	Total of Section 1-7	$	494,000	x	0.0%	= $	-

TOTAL MINOR ITEMS $ -

SECTIONS 9: MOBILIZATION

Item code							
999990	Total Section 1-8	$	494,000	x	10%	= $	-

TOTAL MOBILIZATION $ -

SECTION 10: SUPPLEMENTAL WORK

Item code		Unit	Quantity		Unit Price ($)		Cost
066015	Federal Trainee Program	LS		x		= $	-
066063	Traffic Management Plan - Public Informatic	LS		x		= $	-
066090	Maintain Traffic	LS		x		= $	-
066094	Value Analysis	LS		x		= $	-
066204	Remove Rock & Debris	LS		x		= $	-
066222	Locate Existing Cross-Over	LS		x		= $	-
066670	Payment Adjustments For Price Index Fluct	LS		x		= $	-
066700	Partnering	LS		x		= $	-
066866	Operation of Existing Traffic Management S	LS		x		= $	-
066920	Dispute Review Board	LS		x		= $	-
XXXXXX	Some Item			x		= $	-
	*Cost of **NPDES** Supplemental Work specified in Section 5C*					= $	-
	Total Section 1-8	$	494,000		5%	= $	24,700

TOTAL SUPPLEMENTAL WORK $ 24,700

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code		Unit	Quantity		Unit Price ($)		Cost
066063	Public Information	LS		x		=	$0
066105	RE Office	LS		x		=	$0
066803	Padlocks	LS		x		=	$0
066838	Reflective Numbers and Edge Sealer	LS		x		=	$0
066901	Water Expenses	LS		x		=	$0
066062A	COZEEP Expenses	LS		x		=	$0
06684X	Ramp Meter Controller Assembly	LS		x		=	$0
06684X	TMS Controller Assembly	LS		x		=	$0
06684X	Traffic Signal Controller Assembly	LS		x		=	$0
XXXXXX	Some Item						

Total Section 1-8	$	494,000	0%	=	$	-

TOTAL STATE FURNISHED $0

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code		Unit	Quantity		Unit Price ($)		Cost
070018	Time-Related Overhead	WD	0	X	#DIV/0!	=	$0

TOTAL TIME-RELATED OVERHEAD $0

SECTION 13: CONTINGENCY

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

Total Section 1-11	$	518,700	x	30%	=	$155,610	

TOTAL CONTINGENCY $155,700

II. STRUCTURE ITEMS

Retaining Walls

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Building Name	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Width (Feet) [out to out]	LF	0.00 LF	0.00 LF
Total Building Length (Feet)	LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$100.00	$0.00	$0.00

COST OF EACH STRUCTURE	**$0.00**	**$0.00**	**$0.00**

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$0.00	$0.00	$0.00

COST OF EACH STRUCTURE	**$0.00**	**$0.00**	**$0.00**

TOTAL COST OF BRIDGES	**$0.00**
TOTAL COST OF RETAINING	**$0.00**

TOTAL COST OF STRUCTURES[1]	**$0.00**

Estimate Prepared By: _____ _____
XXXXXXXXXXXXXXXX ------ Division of Structures Date

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

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

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 (Items G & H applied to items A + B)		0%	$	0
J)	Design Appreciation Factor		0%	$	0
K)	Utility Relocation (Construction Cost)			$	0

L) **TOTAL RIGHT OF WAY ESTIMATE $0**

(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated $0**

N) **Right of Way Support $ 0**

Support Cost Estimate Prepared By _____ Project Coordinator[1] Phone

Utility Estimate Prepared By _____ Utiliy Coordinator[2] Phone

R/W Acquistion Estimate Prepared By _____ Right of Way Estimator[3] Phone

[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.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											$ -	0.00%
PS&E (PS)											$ -	0.00%
R/W (RW)											$ -	0.00%
CONSTRUCTION (CM)											$ -	0.00%
Total Support Cost:	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		**$ -**	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	**$675,000**
Total Capital Outlay Support Cost:	**$0**
Overall Percent Support Cost:	**0.00%**

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	0	/	0
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	0	1	2	3	4	5	6	7	8	9	FUTURE
FORECASTED ESCALATION RATE*											

ESCALATED CONSTRUCTION COSTS	0	1	2	3	4	5	6	7	8	9	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400
STRUCTURE ITEMS	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SUBTOTAL	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	$ 674,400	**$ 674,400**

Approved by: _____
Project Control Engineer

_____
Date

Preliminary Cost Estimate

Project ID:

Type of Estimate :
Program Code :
Project Limits :
Description:
Scope :
Alternative : Mother Lode Drive Realignment

		Current Cost		Escalated Cost
ROADWAY ITEMS	**$**	**2,664,900**	**$**	**2,664,900**
STRUCTURE ITEMS	**$**	**3,600,000**	**$**	**3,600,000**
SUBTOTAL CONSTRUCTION COST	**$**	**6,264,900**	**$**	**6,264,900**
RIGHT OF WAY	**$**	**416,000**	**$**	**-**
TOTAL CAPITAL OUTLAY COST	**$**	**6,681,000**	**$**	**6,265,000**
PR/ED SUPPORT	**$**	**-**	**$**	**-**
PS&E SUPPORT	**$**	**-**	**$**	**-**
RIGHT OF WAY SUPPORT	**$**	**-**	**$**	**-**
CONSTRUCTION SUPPORT	**$**	**-**	**$**	**-**
TOTAL CAPITAL OUTLAY SUPPORT COST*	**$**	**-**	**$**	**-**
TOTAL PROJECT COST	**$**	**6,700,000**	**$**	**6,300,000**

If Project has been programmed enter Programmed Amount $ -

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

Estimated Date of Construction Start (Month/Year) /

Number of Working Days Working Days

Estimated Mid-Point of Construction (Month/Year) Month / Year

Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project Manager

(xxx) xxx-xxxx

Project Manager **Date** **Phone**

I. ROADWAY ITEMS SUMMARY

	Section		Cost
1	**Earthwork**	$	1,216,000
2	**Pavement Structural Section**	$	351,000
3	**Drainage**	$	350,000
4	**Specialty Items**	$	35,200
5	**Environmental**	$	-
6	**Traffic Items**	$	-
7	**Detours**	$	-
8	**Minor Items**	$	-
9	**Roadway Mobilization**	$	-
10	**Supplemental Work**	$	97,700
11	**State Furnished**	$	-
12	**Contingencies**	$	615,000
13	**Overhead**	$	-
	TOTAL ROADWAY ITEMS	**$**	**2,664,900**

Estimate Prepared By _____
Name and Title Date Phone

Estimate 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
Roadway Excavation	CY	30,400	x	40.00	=	$	1,216,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

TOTAL EARTHWORK SECTION ITEMS $ 1,216,000

SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity		Unit Price ($)			Cost
Pavement	SF	35,100	x	10.00	=	$	351,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
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			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

TOTAL STRUCTURAL SECTION ITEMS $ 351,000

SECTION 3: DRAINAGE

Item code		*Unit*	*Quantity*		*Unit Price ($)*			*Cost*
	Drainage	LS	1	x	350,000.00	=	$	350,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL DRAINAGE ITEMS $ 350,000

SECTION 4: SPECIALTY ITEMS

Item code		*Unit*	*Quantity*		*Unit Price ($)*			*Cost*
	Remove Retaining Wall	LF	440	x	80.00	=	$	35,200
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL SPECIALTY ITEMS $ 35,200

SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity		Unit Price ($)		Cost
			x		= $	-
			x		= $	-

Subtotal Environmental *$* -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity		Unit Price ($)		Cost
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-

Subtotal Landscape and Irrigation *$* -

5C - NPDES

Item code	Unit	Quantity		Unit Price ($)		Cost
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-

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

			x		= $	-
			x		= $	-
			x		= $	-

Subtotal NPDES (Without Supplemental Work) *$* -

*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 $ -

SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity		Unit Price ($)		Cost
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-

Subtotal Traffic Electrical *$* -

6B - Traffic Signing and Striping

Item code	Unit	Quantity		Unit Price ($)		Cost
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-

Subtotal Traffic Signing and Striping *$* -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity		Unit Price ($)		Cost
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-
			x		= $	-

Subtotal Stage Construction and Traffic Handling *$* -

TOTAL TRAFFIC ITEMS **$** **-**

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 $ 1,952,200

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				0.0%	$	-
	Total of Section 1-7	$	1,952,200	x	0.0%	= $	-

TOTAL MINOR ITEMS $ -

SECTIONS 9: MOBILIZATION

Item code							
999990	Total Section 1-8	$	1,952,200	x	10%	= $	-

TOTAL MOBILIZATION $ -

SECTION 10: SUPPLEMENTAL WORK

Item code		Unit	Quantity		Unit Price ($)		Cost
066015	Federal Trainee Program	LS		x		= $	-
066063	Traffic Management Plan - Public Informatic	LS		x		= $	-
066090	Maintain Traffic	LS		x		= $	-
066094	Value Analysis	LS		x		= $	-
066204	Remove Rock & Debris	LS		x		= $	-
066222	Locate Existing Cross-Over	LS		x		= $	-
066670	Payment Adjustments For Price Index Fluct	LS		x		= $	-
066700	Partnering	LS		x		= $	-
066866	Operation of Existing Traffic Management S	LS		x		= $	-
066920	Dispute Review Board	LS		x		= $	-
XXXXXX	Some Item			x		= $	-
	*Cost of **NPDES** Supplemental Work specified in Section 5C*					= $	-
	Total Section 1-8	$	1,952,200		5%	= $	97,610

TOTAL SUPPLEMENTAL WORK $ 97,700

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code		Unit	Quantity		Unit Price ($)		Cost
066063	Public Information	LS		x		=	$0
066105	RE Office	LS		x		=	$0
066803	Padlocks	LS		x		=	$0
066838	Reflective Numbers and Edge Sealer	LS		x		=	$0
066901	Water Expenses	LS		x		=	$0
066062A	COZEEP Expenses	LS		x		=	$0
06684X	Ramp Meter Controller Assembly	LS		x		=	$0
06684X	TMS Controller Assembly	LS		x		=	$0
06684X	Traffic Signal Controller Assembly	LS		x		=	$0
XXXXXX	Some Item						

Total Section 1-8	$	1,952,200	0%	= $	-

TOTAL STATE FURNISHED $0

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code		Unit	Quantity		Unit Price ($)		Cost
070018	Time-Related Overhead	WD	0	X	#DIV/0!	=	$0

TOTAL TIME-RELATED OVERHEAD $0

SECTION 13: CONTINGENCY

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

Total Section 1-11	$	2,049,900	x	30%	=	$614,970

TOTAL CONTINGENCY $615,000

II. STRUCTURE ITEMS

Retaining Walls

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Building Name	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Width (Feet) [out to out]	LF	0.00 LF	0.00 LF
Total Building Length (Feet)	LF	0.00 LF	0.00 LF
Total Area (Square Feet)	36000 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$100.00	$0.00	$0.00

COST OF EACH STRUCTURE	**$3,600,000.00**	**$0.00**	**$0.00**

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$0.00	$0.00	$0.00

COST OF EACH STRUCTURE	**$0.00**	**$0.00**	**$0.00**

TOTAL COST OF BRIDGES	**$0.00**
TOTAL COST OF RETAINING	**$3,600,000.00**

TOTAL COST OF STRUCTURES[1] **$3,600,000.00**

Estimate Prepared By: _____ _____
XXXXXXXXXXXXXXXX ------ Division of Structures Date

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

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

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 (Items G & H applied to items A + B)		0%	$	0
J)	Design Appreciation Factor		0%	$	0
K)	Utility Relocation (Construction Cost)			$	0

L) **TOTAL RIGHT OF WAY ESTIMATE** **$416,000**

(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated** **$0**

N) **Right of Way Support** **$** **0**

Support Cost Estimate Prepared By	Project Coordinator[1]	Phone
Utility Estimate Prepared By	Utiliy Coordinator[2]	Phone
R/W Acquistion Estimate Prepared By	Right of Way Estimator[3]	Phone

[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.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											$ -	0.00%
PS&E (PS)											$ -	0.00%
R/W (RW)											$ -	0.00%
CONSTRUCTION (CM)											$ -	0.00%
Total Support Cost:	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		**$ -**	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	**$6,681,000**
Total Capital Outlay Support Cost:	**$0**
Overall Percent Support Cost:	**0.00%**

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	0	/	0
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	0	1	2	3	4	5	6	7	8	9	FUTURE
FORECASTED ESCALATION RATE*											

ESCALATED CONSTRUCTION COSTS	0	1	2	3	4	5	6	7	8	9	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	$ 2,664,900	$ 2,664,900	$ 2,664,900	$ 2,664,900	$ 2,664,900	$ 2,664,900	$ 2,664,900	$ 2,664,900	$ 2,664,900	$ 2,664,900	$ 2,664,900	$ 2,664,900
STRUCTURE ITEMS	$ 3,600,000	$ 3,600,000	$ 3,600,000	$ 3,600,000	$ 3,600,000	$ 3,600,000	$ 3,600,000	$ 3,600,000	$ 3,600,000	$ 3,600,000	$ 3,600,000	$ 3,600,000
SUBTOTAL	$ 6,264,900	$ 6,264,900	$ 6,264,900	$ 6,264,900	$ 6,264,900	$ 6,264,900	$ 6,264,900	$ 6,264,900	$ 6,264,900	$ 6,264,900	$ 6,264,900	**$ 6,264,900**

Approved by: _____
Project Control Engineer

_____
Date

Preliminary Cost Estimate

Project ID:

Type of Estimate :
Program Code :
Project Limits :
Description:
Scope :
Alternative : Hook Ramps

		Current Cost		Escalated Cost
ROADWAY ITEMS	**$**	**2,585,000**	**$**	**2,585,000**
STRUCTURE ITEMS	**$**	**200,000**	**$**	**200,000**
SUBTOTAL CONSTRUCTION COST	**$**	**2,785,000**	**$**	**2,785,000**
RIGHT OF WAY	**$**	**200,000**	**$**	**-**
TOTAL CAPITAL OUTLAY COST	**$**	**2,985,000**	**$**	**2,785,000**
PR/ED SUPPORT	**$**	**-**	**$**	**-**
PS&E SUPPORT	**$**	**-**	**$**	**-**
RIGHT OF WAY SUPPORT	**$**	**-**	**$**	**-**
CONSTRUCTION SUPPORT	**$**	**-**	**$**	**-**
TOTAL CAPITAL OUTLAY SUPPORT COST*	**$**	**-**	**$**	**-**
TOTAL PROJECT COST	**$**	**3,000,000**	**$**	**2,800,000**

If Project has been programmed enter Programmed Amount $ -

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

Estimated Date of Construction Start (Month/Year) /

Number of Working Days Working Days

Estimated Mid-Point of Construction (Month/Year) Month / Year

Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project Manager

(xxx) xxx-xxxx

Project Manager **Date** **Phone**

I. ROADWAY ITEMS SUMMARY

	Section		Cost
1	**Earthwork**	$	231,000
2	**Pavement Structural Section**	$	520,000
3	**Drainage**	$	150,000
4	**Specialty Items**	$	120,000
5	**Environmental**	$	90,000
6	**Traffic Items**	$	618,000
7	**Detours**	$	-
8	**Minor Items**	$	-
9	**Roadway Mobilization**	$	172,900
10	**Supplemental Work**	$	86,500
11	**State Furnished**	$	-
12	**Contingencies**	$	596,600
13	**Overhead**	$	-
	TOTAL ROADWAY ITEMS	**$**	**2,585,000**

Estimate Prepared By _____
Name and Title Date Phone

Estimate 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
	Roadway Excavation	CY	2,700	x	45.00	=	$	121,500
	Imported Borrow	CY	5,300	x	15.00	=	$	79,500
	Clearing and Grubbing	LS	1	x	30,000.00	=	$	30,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL EARTHWORK SECTION ITEMS	**$**	**231,000**

SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code		Unit	Quantity		Unit Price ($)			Cost
	Pavement	SF	52,000	x	10.00	=	$	520,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL STRUCTURAL SECTION ITEMS	**$**	**520,000**

SECTION 3: DRAINAGE

Item code		Unit	Quantity		Unit Price ($)			Cost
	Drainage	LS	1	x	150,000.00	=	$	150,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL DRAINAGE ITEMS $ 150,000

SECTION 4: SPECIALTY ITEMS

Item code		Unit	Quantity		Unit Price ($)			Cost
	Guardrail	LF	1,000	x	20.00	=	$	20,000
	Sidewalk, Curb, and Gutter	CY	125	x	800.00	=	$	100,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL SPECIALTY ITEMS $ 120,000

SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity		Unit Price ($)			Cost
Erosion Control	LS	1	x	70,000.00	=	$	70,000
			x		=	$	-

Subtotal Environmental *$ 70,000*

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity		Unit Price ($)			Cost
Landscape and Irrigation	LS	1	x	20,000.00	=	$	20,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Landscape and Irrigation *$ 20,000*

5C - NPDES

Item code	Unit	Quantity		Unit Price ($)			Cost
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

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

			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal NPDES (Without Supplemental Work) *$ -*

*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 $ 90,000

SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity		Unit Price ($)			Cost
Lighting	LS	1	x	80,000.00	=	$	80,000
Traffic Signal	EA	1	x	300,000.00	=	$	300,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Traffic Electrical *$ 380,000*

6B - Traffic Signing and Striping

Item code	Unit	Quantity		Unit Price ($)			Cost
Pavement Delineation	LS	1	x	30,000.00	=	$	30,000
Roadside Signs	LS	1	x	8,000.00	=	$	8,000
Overhead Signs	EA	1	x	100,000.00	=	$	100,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Traffic Signing and Striping *$ 138,000*

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity		Unit Price ($)			Cost
Traffic Control Systems	LS	1	x	100,000.00	=	$	100,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Stage Construction and Traffic Handling *$ 100,000*

TOTAL TRAFFIC ITEMS **$ 618,000**

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 $ 1,729,000

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				0.0%	$	-
	Total of Section 1-7	$	1,729,000	x	0.0%	= $	-

TOTAL MINOR ITEMS $ -

SECTIONS 9: MOBILIZATION

Item code							
999990	Total Section 1-8	$	1,729,000	x	10%	= $	172,900

TOTAL MOBILIZATION $ 172,900

SECTION 10: SUPPLEMENTAL WORK

Item code		Unit	Quantity		Unit Price ($)		Cost
066015	Federal Trainee Program	LS		x		= $	-
066063	Traffic Management Plan - Public Informatic	LS		x		= $	-
066090	Maintain Traffic	LS		x		= $	-
066094	Value Analysis	LS		x		= $	-
066204	Remove Rock & Debris	LS		x		= $	-
066222	Locate Existing Cross-Over	LS		x		= $	-
066670	Payment Adjustments For Price Index Fluct	LS		x		= $	-
066700	Partnering	LS		x		= $	-
066866	Operation of Existing Traffic Management S	LS		x		= $	-
066920	Dispute Review Board	LS		x		= $	-
XXXXXX	Some Item			x		= $	-
	*Cost of **NPDES** Supplemental Work specified in Section 5C*					= $	-
	Total Section 1-8	$	1,729,000		5%	= $	86,450

TOTAL SUPPLEMENTAL WORK $ 86,500

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code		Unit	Quantity		Unit Price ($)		Cost
066063	Public Information	LS		x		=	$0
066105	RE Office	LS		x		=	$0
066803	Padlocks	LS		x		=	$0
066838	Reflective Numbers and Edge Sealer	LS		x		=	$0
066901	Water Expenses	LS		x		=	$0
066062A	COZEEP Expenses	LS		x		=	$0
06684X	Ramp Meter Controller Assembly	LS		x		=	$0
06684X	TMS Controller Assembly	LS		x		=	$0
06684X	Traffic Signal Controller Assembly	LS		x		=	$0
XXXXXX	Some Item						

Total Section 1-8	$	1,729,000	0%	=	$	-

TOTAL STATE FURNISHED $0

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code		Unit	Quantity		Unit Price ($)		Cost
070018	Time-Related Overhead	WD	500	X	0	=	$0

TOTAL TIME-RELATED OVERHEAD $0

SECTION 13: CONTINGENCY

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

Total Section 1-11	$	1,988,400	x	30%	=	$596,520

TOTAL CONTINGENCY $596,600

II. STRUCTURE ITEMS

	Retaining Walls	Bridge 1	Bridge 2
DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Building Name	xxxxxxxxxxxxxxxxxx		
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx		
Width (Feet) [out to out]	LF	0.00 LF	0.00 LF
Total Building Length (Feet)	LF	0.00 LF	0.00 LF
Total Area (Square Feet)	1000 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$100.00	$120.00	$300.00
COST OF EACH STRUCTURE	**$100,000.00**	**$0.00**	**$0.00**

	Retaining Walls	Bridge 1	Bridge 2
DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$0.00	$0.00	$0.00
COST OF EACH STRUCTURE	**$0.00**	**$0.00**	**$0.00**

TOTAL COST OF BRIDGES	**$0.00**
TOTAL COST OF RETAINING	**$100,000.00**
TOTAL COST OF STRUCTURES[1]	**$200,000.00**

Estimate Prepared By: _____ Date: _____

XXXXXXXXXXXXXXXX ------ Division of Structures

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

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

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 (Items G & H applied to items A + B)		0%	$	0
J)	Design Appreciation Factor		0%	$	0
K)	Utility Relocation (Construction Cost)			$	0

L) **TOTAL RIGHT OF WAY ESTIMATE** **$200,000**

(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated** **$0**

N) **Right of Way Support** **$** **0**

Support Cost Estimate Prepared By _____ Project Coordinator[1] Phone

Utility Estimate Prepared By _____ Utiliy Coordinator[2] Phone

R/W Acquistion Estimate Prepared By _____ Right of Way Estimator[3] Phone

[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.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											$ -	0.00%
PS&E (PS)											$ -	0.00%
R/W (RW)											$ -	0.00%
CONSTRUCTION (CM)											$ -	0.00%
Total Support Cost:	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		**$ -**	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	**$2,985,000**
Total Capital Outlay Support Cost:	**$0**
Overall Percent Support Cost:	**0.00%**

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	0	/	0
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	500	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	0	1	2	3	4	5	6	7	8	9	FUTURE
FORECASTED ESCALATION RATE*											

ESCALATED CONSTRUCTION COSTS	0	1	2	3	4	5	6	7	8	9	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	$ 2,585,000	$ 2,585,000	$ 2,585,000	$ 2,585,000	$ 2,585,000	$ 2,585,000	$ 2,585,000	$ 2,585,000	$ 2,585,000	$ 2,585,000	$ 2,585,000	$ 2,585,000
STRUCTURE ITEMS	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000
SUBTOTAL	$ 2,785,000	$ 2,785,000	$ 2,785,000	$ 2,785,000	$ 2,785,000	$ 2,785,000	$ 2,785,000	$ 2,785,000	$ 2,785,000	$ 2,785,000	$ 2,785,000	**$ 2,785,000**

Approved by: _____
Project Control Engineer

_____
Date

Preliminary Cost Estimate

Project ID:

Type of Estimate :
Program Code :
Project Limits :
Description:
Scope :
Alternative : Partial Cloverleaf Interchange

		Current Cost		Escalated Cost
ROADWAY ITEMS	**$**	**4,269,100**	**$**	**4,269,100**
STRUCTURE ITEMS	**$**	**200,000**	**$**	**200,000**
SUBTOTAL CONSTRUCTION COST	**$**	**4,469,100**	**$**	**4,469,100**
RIGHT OF WAY	**$**	**200,000**	**$**	**-**
TOTAL CAPITAL OUTLAY COST	**$**	**4,670,000**	**$**	**4,470,000**
PR/ED SUPPORT	**$**	**-**	**$**	**-**
PS&E SUPPORT	**$**	**-**	**$**	**-**
RIGHT OF WAY SUPPORT	**$**	**-**	**$**	**-**
CONSTRUCTION SUPPORT	**$**	**-**	**$**	**-**
TOTAL CAPITAL OUTLAY SUPPORT COST*	**$**	**-**	**$**	**-**
TOTAL PROJECT COST	**$**	**4,700,000**	**$**	**4,500,000**

If Project has been programmed enter Programmed Amount $ -

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

Estimated Date of Construction Start (Month/Year) /

Number of Working Days Working Days

Estimated Mid-Point of Construction (Month/Year) Month / Year

Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project Manager

(xxx) xxx-xxxx

Project Manager **Date** **Phone**

I. ROADWAY ITEMS SUMMARY

	Section		Cost
1	**Earthwork**	$	292,500
2	**Pavement Structural Section**	$	853,000
3	**Drainage**	$	200,000
4	**Specialty Items**	$	640,000
5	**Environmental**	$	120,000
6	**Traffic Items**	$	750,000
7	**Detours**	$	-
8	**Minor Items**	$	-
9	**Roadway Mobilization**	$	285,600
10	**Supplemental Work**	$	142,800
11	**State Furnished**	$	-
12	**Contingencies**	$	985,200
13	**Overhead**	$	-
	TOTAL ROADWAY ITEMS	**$**	**4,269,100**

Estimate Prepared By _____
Name and Title Date Phone

Estimate 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
Roadway Excavation	CY	3,500	x	45.00	=	$	157,500
Imported Borrow	CY	7,000	x	15.00	=	$	105,000
Clearing and Grubbing	LS	1	x	30,000.00	=	$	30,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

TOTAL EARTHWORK SECTION ITEMS $ 292,500

SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity		Unit Price ($)			Cost
Pavement	SF	85,300	x	10.00	=	$	853,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
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			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

TOTAL STRUCTURAL SECTION ITEMS $ 853,000

SECTION 3: DRAINAGE

Item code		Unit	Quantity		Unit Price ($)			Cost
	Drainage	LS	1	x	200,000.00	=	$	200,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL DRAINAGE ITEMS $ 200,000

SECTION 4: SPECIALTY ITEMS

Item code		Unit	Quantity		Unit Price ($)			Cost
	Guardrail	LF	2,000	x	20.00	=	$	40,000
	Sidewalk, Curb, and Gutter	CY	750	x	800.00	=	$	600,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL SPECIALTY ITEMS $ 640,000

SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity		Unit Price ($)			Cost
Erosion Control	LS	1	x	90,000.00	=	$	90,000
			x		=	$	-

Subtotal Environmental *$ 90,000*

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity		Unit Price ($)			Cost
Landscape and Irrigation	LS	1	x	30,000.00	=	$	30,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Landscape and Irrigation *$ 30,000*

5C - NPDES

Item code	Unit	Quantity		Unit Price ($)			Cost
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

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

			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal NPDES (Without Supplemental Work) *$ -*

*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 $ 120,000

SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity		Unit Price ($)			Cost
Lighting	LS	1	x	100,000.00	=	$	100,000
Traffic Signal	EA	1	x	300,000.00	=	$	300,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Traffic Electrical *$ 400,000*

6B - Traffic Signing and Striping

Item code	Unit	Quantity		Unit Price ($)			Cost
Pavement Delineation	LS	1	x	40,000.00	=	$	40,000
Roadside Signs	LS	1	x	10,000.00	=	$	10,000
Overhead Signs	EA	1	x	100,000.00	=	$	100,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Traffic Signing and Striping *$ 150,000*

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity		Unit Price ($)			Cost
Traffic Control Systems	LS	1	x	200,000.00	=	$	200,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Stage Construction and Traffic Handling *$ 200,000*

TOTAL TRAFFIC ITEMS **$ 750,000**

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 $ 2,855,500

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				0.0%	$	-
	Total of Section 1-7	$	2,855,500	x	0.0%	= $	-

TOTAL MINOR ITEMS $ -

SECTIONS 9: MOBILIZATION

Item code							
999990	Total Section 1-8	$	2,855,500	x	10%	= $	285,550

TOTAL MOBILIZATION $ 285,600

SECTION 10: SUPPLEMENTAL WORK

Item code		Unit	Quantity		Unit Price ($)		Cost
066015	Federal Trainee Program	LS		x		= $	-
066063	Traffic Management Plan - Public Informatic	LS		x		= $	-
066090	Maintain Traffic	LS		x		= $	-
066094	Value Analysis	LS		x		= $	-
066204	Remove Rock & Debris	LS		x		= $	-
066222	Locate Existing Cross-Over	LS		x		= $	-
066670	Payment Adjustments For Price Index Fluct	LS		x		= $	-
066700	Partnering	LS		x		= $	-
066866	Operation of Existing Traffic Management S	LS		x		= $	-
066920	Dispute Review Board	LS		x		= $	-
XXXXXX	Some Item			x		= $	-
	*Cost of **NPDES** Supplemental Work specified in Section 5C*					= $	-
	Total Section 1-8	$	2,855,500		5%	= $	142,775

TOTAL SUPPLEMENTAL WORK $ 142,800

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code		Unit	Quantity		Unit Price ($)		Cost
066063	Public Information	LS		x		=	$0
066105	RE Office	LS		x		=	$0
066803	Padlocks	LS		x		=	$0
066838	Reflective Numbers and Edge Sealer	LS		x		=	$0
066901	Water Expenses	LS		x		=	$0
066062A	COZEEP Expenses	LS		x		=	$0
06684X	Ramp Meter Controller Assembly	LS		x		=	$0
06684X	TMS Controller Assembly	LS		x		=	$0
06684X	Traffic Signal Controller Assembly	LS		x		=	$0
XXXXXX	Some Item						

Total Section 1-8	$	2,855,500	0%	=	$	-

TOTAL STATE FURNISHED $0

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code		Unit	Quantity		Unit Price ($)		Cost
070018	Time-Related Overhead	WD	500	X	0	=	$0

TOTAL TIME-RELATED OVERHEAD $0

SECTION 13: CONTINGENCY

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

Total Section 1-11	$	3,283,900	x	30%	=	$985,170

TOTAL CONTINGENCY $985,200

II. STRUCTURE ITEMS

	Retaining Walls	Bridge 1	Bridge 2
DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Building Name	xxxxxxxxxxxxxxxxxx		
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx		
Width (Feet) [out to out]	LF	0.00 LF	0.00 LF
Total Building Length (Feet)	LF	0.00 LF	0.00 LF
Total Area (Square Feet)	1000 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$100.00	$120.00	$300.00
COST OF EACH STRUCTURE	**$100,000.00**	**$0.00**	**$0.00**

	Name	Bridge 1	Bridge 2
DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$0.00	$0.00	$0.00
COST OF EACH STRUCTURE	**$0.00**	**$0.00**	**$0.00**

TOTAL COST OF BRIDGES	**$0.00**
TOTAL COST OF RETAINING	**$100,000.00**
TOTAL COST OF STRUCTURES[1]	**$200,000.00**

Estimate Prepared By: _____ Date: _____

XXXXXXXXXXXXXXXX ------ Division of Structures

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

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

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 (Items G & H applied to items A + B)		0%	$	0
J)	Design Appreciation Factor		0%	$	0
K)	Utility Relocation (Construction Cost)			$	0

L) **TOTAL RIGHT OF WAY ESTIMATE** **$200,000**

(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated** **$0**

N) **Right of Way Support** **$** **0**

Support Cost Estimate Prepared By _____ Project Coordinator[1] Phone

Utility Estimate Prepared By _____ Utiliy Coordinator[2] Phone

R/W Acquistion Estimate Prepared By _____ Right of Way Estimator[3] Phone

[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.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											$ -	0.00%
PS&E (PS)											$ -	0.00%
R/W (RW)											$ -	0.00%
CONSTRUCTION (CM)											$ -	0.00%
Total Support Cost:	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		**$ -**	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	**$4,670,000**
Total Capital Outlay Support Cost:	**$0**
Overall Percent Support Cost:	**0.00%**

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	0	/	0
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	500	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	0	1	2	3	4	5	6	7	8	9	FUTURE
FORECASTED ESCALATION RATE*											

ESCALATED CONSTRUCTION COSTS	0	1	2	3	4	5	6	7	8	9	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	$ 4,269,100	$ 4,269,100	$ 4,269,100	$ 4,269,100	$ 4,269,100	$ 4,269,100	$ 4,269,100	$ 4,269,100	$ 4,269,100	$ 4,269,100	$ 4,269,100	$ 4,269,100
STRUCTURE ITEMS	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000
SUBTOTAL	$ 4,469,100	$ 4,469,100	$ 4,469,100	$ 4,469,100	$ 4,469,100	$ 4,469,100	$ 4,469,100	$ 4,469,100	$ 4,469,100	$ 4,469,100	$ 4,469,100	**$ 4,469,100**

Approved by: _____
Project Control Engineer

_____
Date

Preliminary Cost Estimate

Project ID:

Type of Estimate :
Program Code :
Project Limits :
Description:
Scope :
Alternative : Diverging Diamond Interchange

		Current Cost		Escalated Cost
ROADWAY ITEMS	**$**	**2,699,600**	**$**	**2,699,600**
STRUCTURE ITEMS	**$**	**1,900,000**	**$**	**1,900,000**
SUBTOTAL CONSTRUCTION COST	**$**	**4,599,600**	**$**	**4,599,600**
RIGHT OF WAY	**$**	**-**	**$**	**-**
TOTAL CAPITAL OUTLAY COST	**$**	**4,600,000**	**$**	**4,600,000**
PR/ED SUPPORT	**$**	**-**	**$**	**-**
PS&E SUPPORT	**$**	**-**	**$**	**-**
RIGHT OF WAY SUPPORT	**$**	**-**	**$**	**-**
CONSTRUCTION SUPPORT	**$**	**-**	**$**	**-**
OTAL CAPITAL OUTLAY SUPPORT COST*	**$**	**-**	**$**	**-**
TOTAL PROJECT COST	**$**	**4,600,000**	**$**	**4,600,000**

If Project has been programmed enter Programmed Amount $ -

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

Estimated Date of Construction Start (Month/Year) /

Number of Working Days Working Days

Estimated Mid-Point of Construction (Month/Year) Month / Year

Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project Manager

(xxx) xxx-xxxx

Project Manager **Date** **Phone**

I. ROADWAY ITEMS SUMMARY

	Section		Cost
1	**Earthwork**	$	44,700
2	**Pavement Structural Section**	$	80,000
3	**Drainage**	$	120,000
4	**Specialty Items**	$	366,000
5	**Environmental**	$	90,000
6	**Traffic Items**	$	1,105,000
7	**Detours**	$	-
8	**Minor Items**	$	-
9	**Roadway Mobilization**	$	180,600
10	**Supplemental Work**	$	90,300
11	**State Furnished**	$	-
12	**Contingencies**	$	623,000
13	**Overhead**	$	-
	TOTAL ROADWAY ITEMS	**$**	**2,699,600**

Estimate Prepared By

Name and Title Date Phone

Estimate 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
	Roadway Excavation	CY	770	x	45.00	=	$	34,650
	Imported Borrow	CY	0	x	15.00	=	$	-
	Clearing and Grubbing	LS	1	x	10,000.00	=	$	10,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL EARTHWORK SECTION ITEMS $ 44,700

SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code		Unit	Quantity		Unit Price ($)			Cost
	Pavement	SF	8,000	x	10.00	=	$	80,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL STRUCTURAL SECTION ITEMS $ 80,000

SECTION 3: DRAINAGE

Item code		Unit	Quantity		Unit Price ($)			Cost
	Drainage	LS	1	x	120,000.00	=	$	120,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL DRAINAGE ITEMS $ 120,000

SECTION 4: SPECIALTY ITEMS

Item code		Unit	Quantity		Unit Price ($)			Cost
	Guardrail	LF	300	x	20.00	=	$	6,000
	Sidewalk, Curb, and Gutter	CY	450	x	800.00	=	$	360,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL SPECIALTY ITEMS $ 366,000

SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity		Unit Price ($)			Cost
Erosion Control	LS	1	x	50,000.00	=	$	50,000
			x		=	$	-

Subtotal Environmental *$ 50,000*

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity		Unit Price ($)			Cost
Landscape and Irrigation	LS	1	x	40,000.00	=	$	40,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Landscape and Irrigation *$ 40,000*

5C - NPDES

Item code	Unit	Quantity		Unit Price ($)			Cost
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

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

			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal NPDES (Without Supplemental Work) *$ -*

*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 $ 90,000

SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code		Unit	Quantity		Unit Price ($)			Cost
	Lighting	LS	1	x	100,000.00	=	$	100,000
	Traffic Signal	EA	2	x	300,000.00	=	$	600,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

Subtotal Traffic Electrical *$ 700,000*

6B - Traffic Signing and Striping

Item code		Unit	Quantity		Unit Price ($)			Cost
	Pavement Delineation	LS	1	x	50,000.00	=	$	50,000
	Roadside Signs	LS	1	x	5,000.00	=	$	5,000
	Overhead Signs	EA	2	x	100,000.00	=	$	200,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

Subtotal Traffic Signing and Striping *$ 255,000*

6C - Stage Construction and Traffic Handling

Item code		Unit	Quantity		Unit Price ($)			Cost
	Traffic Control Systems	LS	1	x	150,000.00	=	$	150,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

Subtotal Stage Construction and Traffic Handling *$ 150,000*

TOTAL TRAFFIC ITEMS **$ 1,105,000**

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 $ 1,805,700

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				0.0%	$	-
	Total of Section 1-7	$	1,805,700	x	0.0%	= $	-

TOTAL MINOR ITEMS $ -

SECTIONS 9: MOBILIZATION

Item code							
999990	Total Section 1-8	$	1,805,700	x	10%	= $	180,570

TOTAL MOBILIZATION $ 180,600

SECTION 10: SUPPLEMENTAL WORK

Item code		Unit	Quantity		Unit Price ($)		Cost
066015	Federal Trainee Program	LS		x		= $	-
066063	Traffic Management Plan - Public Informati	LS		x		= $	-
066090	Maintain Traffic	LS		x		= $	-
066094	Value Analysis	LS		x		= $	-
066204	Remove Rock & Debris	LS		x		= $	-
066222	Locate Existing Cross-Over	LS		x		= $	-
066670	Payment Adjustments For Price Index Fluct	LS		x		= $	-
066700	Partnering	LS		x		= $	-
066866	Operation of Existing Traffic Management S	LS		x		= $	-
066920	Dispute Review Board	LS		x		= $	-
XXXXXX	Some Item			x		= $	-
	*Cost of **NPDES** Supplemental Work specified in Section 5C*					= $	-
	Total Section 1-8	$	1,805,700		5%	= $	90,285

TOTAL SUPPLEMENTAL WORK $ 90,300

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code		Unit	Quantity		Unit Price ($)		Cost
066063	Public Information	LS		x		=	$0
066105	RE Office	LS		x		=	$0
066803	Padlocks	LS		x		=	$0
066838	Reflective Numbers and Edge Sealer	LS		x		=	$0
066901	Water Expenses	LS		x		=	$0
066062A	COZEEP Expenses	LS		x		=	$0
06684X	Ramp Meter Controller Assembly	LS		x		=	$0
06684X	TMS Controller Assembly	LS		x		=	$0
06684X	Traffic Signal Controller Assembly	LS		x		=	$0
XXXXXX	Some Item						

Total Section 1-8	$	1,805,700	0%	=	$	-

TOTAL STATE FURNISHED	**$0**

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code		Unit	Quantity		Unit Price ($)		Cost
070018	Time-Related Overhead	WD	500	X	0	=	$0

TOTAL TIME-RELATED OVERHEAD	**$0**

SECTION 13: CONTINGENCY

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

Total Section 1-11	$	2,076,600	x	30%	=	$622,980	

TOTAL CONTINGENCY	**$623,000**

II. STRUCTURE ITEMS

	Retaining Walls	Bridge 1	Bridge 2
DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Building Name	xxxxxxxxxxxxxxxxxx		
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx		
Width (Feet) [out to out]	LF	24.00 LF	0.00 LF
Total Building Length (Feet)	LF	180.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	4320 SQFT	0 SQFT
Structure Depth (Feet)	LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$100.00	$350.00	$300.00
COST OF EACH STRUCTURE	**$0.00**	**$1,512,000.00**	**$0.00**

	Retaining Walls	Bridge 1	Bridge 2
DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$0.00	$0.00	$0.00
COST OF EACH STRUCTURE	**$0.00**	**$0.00**	**$0.00**

TOTAL COST OF BRIDGES	**$1,512,000.00**
TOTAL COST OF RETAINING	**$0.00**

TOTAL COST OF STRUCTURES[1]	**$1,900,000.00**

Estimate Prepared By: _____ _____
XXXXXXXXXXXXXXXX ------ Division of Structures Date

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

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

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 (Items G & H applied to items A + B)		0%	$	0
J)	Design Appreciation Factor		0%	$	0
K)	Utility Relocation (Construction Cost)			$	0

L) **TOTAL RIGHT OF WAY ESTIMATE** **$0**

(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated** **$0**

N) **Right of Way Support $ 0**

Support Cost Estimate Prepared By _____ Project Coordinator[1] Phone

Utility Estimate Prepared By _____ Utiliy Coordinator[2] Phone

R/W Acquistion Estimate Prepared By _____ Right of Way Estimator[3] Phone

[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.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											$ -	0.00%
PS&E (PS)											$ -	0.00%
R/W (RW)											$ -	0.00%
CONSTRUCTION (CM)											$ -	0.00%
Total Support Cost:	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		**$ -**	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data

Total Capital Cost:	**$4,600,000**
Total Capital Outlay Support Cost:	**$0**
Overall Percent Support Cost:	**0.00%**

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	0	/	0
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	500	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	0	1	2	3	4	5	6	7	8	9	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	0	1	2	3	4	5	6	7	8	9	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	$ 2,699,600	$ 2,699,600	$ 2,699,600	$ 2,699,600	$ 2,699,600	$ 2,699,600	$ 2,699,600	$ 2,699,600	$ 2,699,600	$ 2,699,600	$ 2,699,600	$ 2,699,600
STRUCTURE ITEMS	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000
SUBTOTAL	$ 4,599,600	$ 4,599,600	$ 4,599,600	$ 4,599,600	$ 4,599,600	$ 4,599,600	$ 4,599,600	$ 4,599,600	$ 4,599,600	$ 4,599,600	$ 4,599,600	**$ 4,599,600**

Approved by: _____ Project Control Engineer

_____ Date

Preliminary Cost Estimate

Project ID:

Type of Estimate :
Program Code :
Project Limits :
Description:
Scope :
Alternative : Roundabouts

		Current Cost		Escalated Cost
ROADWAY ITEMS	**$**	**3,682,300**	**$**	**3,682,300**
STRUCTURE ITEMS	**$**	**-**	**$**	**-**
SUBTOTAL CONSTRUCTION COST	**$**	**3,682,300**	**$**	**3,682,300**
RIGHT OF WAY	**$**	**100,000**	**$**	**-**
TOTAL CAPITAL OUTLAY COST	**$**	**3,783,000**	**$**	**3,683,000**
PR/ED SUPPORT	**$**	**-**	**$**	**-**
PS&E SUPPORT	**$**	**-**	**$**	**-**
RIGHT OF WAY SUPPORT	**$**	**-**	**$**	**-**
CONSTRUCTION SUPPORT	**$**	**-**	**$**	**-**
OTAL CAPITAL OUTLAY SUPPORT COST*	**$**	**-**	**$**	**-**
TOTAL PROJECT COST	**$**	**3,800,000**	**$**	**3,700,000**

If Project has been programmed enter Programmed Amount $ -

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

Estimated Date of Construction Start (Month/Year) /

Number of Working Days Working Days

Estimated Mid-Point of Construction (Month/Year) Month / Year

Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project Manager

(xxx) xxx-xxxx

Project Manager **Date** **Phone**

I. ROADWAY ITEMS SUMMARY

	Section		Cost
1	**Earthwork**	$	253,000
2	**Pavement Structural Section**	$	1,480,000
3	**Drainage**	$	150,000
4	**Specialty Items**	$	140,000
5	**Environmental**	$	130,000
6	**Traffic Items**	$	310,000
7	**Detours**	$	-
8	**Minor Items**	$	-
9	**Roadway Mobilization**	$	246,300
10	**Supplemental Work**	$	123,200
11	**State Furnished**	$	-
12	**Contingencies**	$	849,800
13	**Overhead**	$	-
	TOTAL ROADWAY ITEMS	**$**	**3,682,300**

Estimate Prepared By

Name and Title Date Phone

Estimate 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
	Roadway Excavation	CY	4,400	x	45.00	=	$	198,000
	Imported Borrow	CY	3,000	x	15.00	=	$	45,000
	Clearing and Grubbing	LS	1	x	10,000.00	=	$	10,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL EARTHWORK SECTION ITEMS $ 253,000

SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code		Unit	Quantity		Unit Price ($)			Cost
	Pavement	SF	148,000	x	10.00	=	$	1,480,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL STRUCTURAL SECTION ITEMS $ 1,480,000

SECTION 3: DRAINAGE

Item code		Unit	Quantity		Unit Price ($)			Cost
	Drainage	LS	1	x	150,000.00	=	$	150,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL DRAINAGE ITEMS	**$**	**150,000**

SECTION 4: SPECIALTY ITEMS

Item code		Unit	Quantity		Unit Price ($)			Cost
	Guardrail	LF	1,000	x	20.00	=	$	20,000
	Sidewalk, Curb, and Gutter	CY	150	x	800.00	=	$	120,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL SPECIALTY ITEMS	**$**	**140,000**

SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity		Unit Price ($)			Cost
Erosion Control	LS	1	x	80,000.00	=	$	80,000
			x		=	$	-

Subtotal Environmental *$ 80,000*

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity		Unit Price ($)			Cost
Landscape and Irrigation	LS	1	x	50,000.00	=	$	50,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Landscape and Irrigation *$ 50,000*

5C - NPDES

Item code	Unit	Quantity		Unit Price ($)			Cost
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

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

			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal NPDES (Without Supplemental Work) *$ -*

*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 $ 130,000

SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity		Unit Price ($)			Cost
Lighting	LS	1	x	100,000.00	=	$	100,000
Traffic Signal	EA	0	x	300,000.00	=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Traffic Electrical *$ 100,000*

6B - Traffic Signing and Striping

Item code	Unit	Quantity		Unit Price ($)			Cost
Pavement Delineation	LS	1	x	50,000.00	=	$	50,000
Roadside Signs	LS	1	x	10,000.00	=	$	10,000
Overhead Signs	EA	0	x	100,000.00	=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Traffic Signing and Striping *$ 60,000*

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity		Unit Price ($)			Cost
Traffic Control Systems	LS	1	x	150,000.00	=	$	150,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Stage Construction and Traffic Handling *$ 150,000*

TOTAL TRAFFIC ITEMS **$ 310,000**

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 $ 2,463,000

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				0.0%	$	-
	Total of Section 1-7	$	2,463,000	x	0.0%	= $	-

TOTAL MINOR ITEMS $ -

SECTIONS 9: MOBILIZATION

Item code							
999990	Total Section 1-8	$	2,463,000	x	10%	= $	246,300

TOTAL MOBILIZATION $ 246,300

SECTION 10: SUPPLEMENTAL WORK

Item code		Unit	Quantity		Unit Price ($)		Cost
066015	Federal Trainee Program	LS		x		= $	-
066063	Traffic Management Plan - Public Informati	LS		x		= $	-
066090	Maintain Traffic	LS		x		= $	-
066094	Value Analysis	LS		x		= $	-
066204	Remove Rock & Debris	LS		x		= $	-
066222	Locate Existing Cross-Over	LS		x		= $	-
066670	Payment Adjustments For Price Index Fluct	LS		x		= $	-
066700	Partnering	LS		x		= $	-
066866	Operation of Existing Traffic Management S	LS		x		= $	-
066920	Dispute Review Board	LS		x		= $	-
XXXXXX	Some Item			x		= $	-
	*Cost of **NPDES** Supplemental Work specified in Section 5C*					= $	-
	Total Section 1-8	$	2,463,000		5%	= $	123,150

TOTAL SUPPLEMENTAL WORK $ 123,200

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code		Unit	Quantity		Unit Price ($)		Cost
066063	Public Information	LS		x		=	$0
066105	RE Office	LS		x		=	$0
066803	Padlocks	LS		x		=	$0
066838	Reflective Numbers and Edge Sealer	LS		x		=	$0
066901	Water Expenses	LS		x		=	$0
066062A	COZEEP Expenses	LS		x		=	$0
06684X	Ramp Meter Controller Assembly	LS		x		=	$0
06684X	TMS Controller Assembly	LS		x		=	$0
06684X	Traffic Signal Controller Assembly	LS		x		=	$0
XXXXXX	Some Item						

Total Section 1-8	$	2,463,000	0%	=	$	-

TOTAL STATE FURNISHED	**$0**

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code		Unit	Quantity		Unit Price ($)		Cost
070018	Time-Related Overhead	WD	500	X	0	=	$0

TOTAL TIME-RELATED OVERHEAD	**$0**

SECTION 13: CONTINGENCY

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

Total Section 1-11	$	2,832,500	x	30%	=	$849,750	

TOTAL CONTINGENCY	**$849,800**

II. STRUCTURE ITEMS

	Retaining Walls		Bridge 1		Bridge 2
DATE OF ESTIMATE	00/00/00		00/00/00		00/00/00
Building Name	xxxxxxxxxxxxxxxxxx				
Bridge Number	57-XXX		57-XXX		57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx				
Width (Feet) [out to out]	LF		0.00 LF		0.00 LF
Total Building Length (Feet)	LF		0.00 LF		0.00 LF
Total Area (Square Feet)	0 SQFT		0 SQFT		0 SQFT
Structure Depth (Feet)	LF		0.00 LF		0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx		xxxxxxxxxxxxxxxxxx		xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$100.00		$120.00		$300.00
COST OF EACH STRUCTURE	**$0.00**		**$0.00**		**$0.00**

DATE OF ESTIMATE	00/00/00		00/00/00		00/00/00
Name	xxxxxxxxxxxxxxxxxx		xxxxxxxxxxxxxxxxxx		xxxxxxxxxxxxxxxxxx
Bridge Number	57-XXX		57-XXX		57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx		xxxxxxxxxxxxxxxxxx		xxxxxxxxxxxxxxxxxx
Width (Feet) [out to out]	0.00 LF		0.00 LF		0.00 LF
Total Length (Feet)	0.00 LF		0.00 LF		0.00 LF
Total Area (Square Feet)	0 SQFT		0.00 SQFT		0.0 SQFT
Structure Depth (Feet)	0.00 LF		0.00 LF		0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx		xxxxxxxxxxxxxxxxxx		xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$0.00		$0.00		$0.00
COST OF EACH STRUCTURE	**$0.00**		**$0.00**		**$0.00**

TOTAL COST OF BRIDGES	**$0.00**
TOTAL COST OF RETAINING	**$0.00**

TOTAL COST OF STRUCTURES[1]	**$0.00**

Estimate Prepared By: _____ _____
XXXXXXXXXXXXXXXX ------ Division of Structures Date

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

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

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 (Items G & H applied to items A + B)		0%	$	0
J)	Design Appreciation Factor		0%	$	0
K)	Utility Relocation (Construction Cost)			$	0

L) **TOTAL RIGHT OF WAY ESTIMATE** **$100,000**

(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated** **$0**

N) **Right of Way Support** **$** **0**

Support Cost Estimate Prepared By _____ Project Coordinator[1] Phone

Utility Estimate Prepared By _____ Utiliy Coordinator[2] Phone

R/W Acquistion Estimate Prepared By _____ Right of Way Estimator[3] Phone

[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.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											$ -	0.00%
PS&E (PS)											$ -	0.00%
R/W (RW)											$ -	0.00%
CONSTRUCTION (CM)											$ -	0.00%
Total Support Cost:	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		**$ -**	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data

Total Capital Cost:	**$3,783,000**
Total Capital Outlay Support Cost:	**$0**
Overall Percent Support Cost:	**0.00%**

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	0	/	0
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	500	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	0	1	2	3	4	5	6	7	8	9	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	0	1	2	3	4	5	6	7	8	9	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300
STRUCTURE ITEMS	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SUBTOTAL	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	$ 3,682,300	**$ 3,682,300**

Approved by: _____ Project Control Engineer

_____ Date

Preliminary Cost Estimate

Project ID:

Type of Estimate :
Program Code :
Project Limits :
Description:
Scope :
Alternative : 6-Lane Tight Diamond Interchange

		Current Cost		Escalated Cost
ROADWAY ITEMS	**$**	**2,567,000**	**$**	**2,567,000**
STRUCTURE ITEMS	**$**	**1,900,000**	**$**	**1,900,000**
SUBTOTAL CONSTRUCTION COST	**$**	**4,467,000**	**$**	**4,467,000**
RIGHT OF WAY	**$**	**-**	**$**	**-**
TOTAL CAPITAL OUTLAY COST	**$**	**4,467,000**	**$**	**4,467,000**
PR/ED SUPPORT	**$**	**-**	**$**	**-**
PS&E SUPPORT	**$**	**-**	**$**	**-**
RIGHT OF WAY SUPPORT	**$**	**-**	**$**	**-**
CONSTRUCTION SUPPORT	**$**	**-**	**$**	**-**
OTAL CAPITAL OUTLAY SUPPORT COST*	**$**	**-**	**$**	**-**
TOTAL PROJECT COST	**$**	**4,500,000**	**$**	**4,500,000**

If Project has been programmed enter Programmed Amount $ -

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

Estimated Date of Construction Start (Month/Year) /

Number of Working Days Working Days

Estimated Mid-Point of Construction (Month/Year) Month / Year

Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project Manager

(xxx) xxx-xxxx

Project Manager **Date** **Phone**

I. ROADWAY ITEMS SUMMARY

	Section		Cost
1	**Earthwork**	$	46,000
2	**Pavement Structural Section**	$	90,000
3	**Drainage**	$	120,000
4	**Specialty Items**	$	366,000
5	**Environmental**	$	90,000
6	**Traffic Items**	$	1,005,000
7	**Detours**	$	-
8	**Minor Items**	$	-
9	**Roadway Mobilization**	$	171,700
10	**Supplemental Work**	$	85,900
11	**State Furnished**	$	-
12	**Contingencies**	$	592,400
13	**Overhead**	$	-
	TOTAL ROADWAY ITEMS	**$**	**2,567,000**

Estimate Prepared By

Name and Title Date Phone

Estimate 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
	Roadway Excavation	CY	800	x	45.00	=	$	36,000
	Imported Borrow	CY	0	x	15.00	=	$	-
	Clearing and Grubbing	LS	1	x	10,000.00	=	$	10,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL EARTHWORK SECTION ITEMS $ 46,000

SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code		Unit	Quantity		Unit Price ($)			Cost
	Pavement	SF	9,000	x	10.00	=	$	90,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL STRUCTURAL SECTION ITEMS $ 90,000

SECTION 3: DRAINAGE

Item code		*Unit*	*Quantity*		*Unit Price ($)*			*Cost*
	Drainage	LS	1	x	120,000.00	=	$	120,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL DRAINAGE ITEMS $ 120,000

SECTION 4: SPECIALTY ITEMS

Item code		*Unit*	*Quantity*		*Unit Price ($)*			*Cost*
	Guardrail	LF	300	x	20.00	=	$	6,000
	Sidewalk, Curb, and Gutter	CY	450	x	800.00	=	$	360,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL SPECIALTY ITEMS $ 366,000

SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity		Unit Price ($)			Cost
Erosion Control	LS	1	x	50,000.00	=	$	50,000
			x		=	$	-

Subtotal Environmental *$ 50,000*

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity		Unit Price ($)			Cost
Landscape and Irrigation	LS	1	x	40,000.00	=	$	40,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Landscape and Irrigation *$ 40,000*

5C - NPDES

Item code	Unit	Quantity		Unit Price ($)			Cost
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

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

			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal NPDES (Without Supplemental Work) *$ -*

*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 $ 90,000

SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity		Unit Price ($)			Cost
Lighting	LS	1	x	100,000.00	=	$	100,000
Traffic Signal	EA	2	x	250,000.00	=	$	500,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Traffic Electrical *$ 600,000*

6B - Traffic Signing and Striping

Item code	Unit	Quantity		Unit Price ($)			Cost
Pavement Delineation	LS	1	x	50,000.00	=	$	50,000
Roadside Signs	LS	1	x	5,000.00	=	$	5,000
Overhead Signs	EA	2	x	100,000.00	=	$	200,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Traffic Signing and Striping *$ 255,000*

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity		Unit Price ($)			Cost
Traffic Control Systems	LS	1	x	150,000.00	=	$	150,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Stage Construction and Traffic Handling *$ 150,000*

TOTAL TRAFFIC ITEMS **$ 1,005,000**

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 $ 1,717,000

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				0.0%	$	-
	Total of Section 1-7	$	1,717,000	x	0.0%	= $	-

TOTAL MINOR ITEMS $ -

SECTIONS 9: MOBILIZATION

Item code							
999990	Total Section 1-8	$	1,717,000	x	10%	= $	171,700

TOTAL MOBILIZATION $ 171,700

SECTION 10: SUPPLEMENTAL WORK

Item code		Unit	Quantity		Unit Price ($)		Cost
066015	Federal Trainee Program	LS		x		= $	-
066063	Traffic Management Plan - Public Informati	LS		x		= $	-
066090	Maintain Traffic	LS		x		= $	-
066094	Value Analysis	LS		x		= $	-
066204	Remove Rock & Debris	LS		x		= $	-
066222	Locate Existing Cross-Over	LS		x		= $	-
066670	Payment Adjustments For Price Index Fluct	LS		x		= $	-
066700	Partnering	LS		x		= $	-
066866	Operation of Existing Traffic Management S	LS		x		= $	-
066920	Dispute Review Board	LS		x		= $	-
XXXXXX	Some Item			x		= $	-
	*Cost of **NPDES** Supplemental Work specified in Section 5C*					= $	-
	Total Section 1-8	$	1,717,000		5%	= $	85,850

TOTAL SUPPLEMENTAL WORK $ 85,900

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code		Unit	Quantity		Unit Price ($)		Cost
066063	Public Information	LS		x		=	$0
066105	RE Office	LS		x		=	$0
066803	Padlocks	LS		x		=	$0
066838	Reflective Numbers and Edge Sealer	LS		x		=	$0
066901	Water Expenses	LS		x		=	$0
066062A	COZEEP Expenses	LS		x		=	$0
06684X	Ramp Meter Controller Assembly	LS		x		=	$0
06684X	TMS Controller Assembly	LS		x		=	$0
06684X	Traffic Signal Controller Assembly	LS		x		=	$0
XXXXXX	Some Item						

Total Section 1-8	$	1,717,000	0%	=	$	-

TOTAL STATE FURNISHED	**$0**

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code		Unit	Quantity		Unit Price ($)		Cost
070018	Time-Related Overhead	WD	500	X	0	=	$0

TOTAL TIME-RELATED OVERHEAD	**$0**

SECTION 13: CONTINGENCY

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

Total Section 1-11	$	1,974,600	x	30%	=	$592,380	

TOTAL CONTINGENCY	**$592,400**

II. STRUCTURE ITEMS

	Retaining Walls	Bridge 1	Bridge 2
DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Building Name	xxxxxxxxxxxxxxxxxx		
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx		
Width (Feet) [out to out]	LF	24.00 LF	0.00 LF
Total Building Length (Feet)	LF	180.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	4320 SQFT	0 SQFT
Structure Depth (Feet)	LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$100.00	$350.00	$300.00
COST OF EACH STRUCTURE	**$0.00**	**$1,512,000.00**	**$0.00**

	Retaining Walls	Bridge 1	Bridge 2
DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$0.00	$0.00	$0.00
COST OF EACH STRUCTURE	**$0.00**	**$0.00**	**$0.00**

TOTAL COST OF BRIDGES	**$1,512,000.00**
TOTAL COST OF RETAINING	**$0.00**

TOTAL COST OF STRUCTURES[1]	**$1,900,000.00**

Estimate Prepared By: _____ _____
XXXXXXXXXXXXXXXX ------ Division of Structures Date

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

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

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 (Items G & H applied to items A + B)		0%	$	0
J)	Design Appreciation Factor		0%	$	0
K)	Utility Relocation (Construction Cost)			$	0

L) **TOTAL RIGHT OF WAY ESTIMATE** **$0**

(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated** **$0**

N) **Right of Way Support** **$** **0**

Support Cost Estimate Prepared By _____ Project Coordinator[1] Phone

Utility Estimate Prepared By _____ Utiliy Coordinator[2] Phone

R/W Acquistion Estimate Prepared By _____ Right of Way Estimator[3] Phone

[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.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											$ -	0.00%
PS&E (PS)											$ -	0.00%
R/W (RW)											$ -	0.00%
CONSTRUCTION (CM)											$ -	0.00%
Total Support Cost:	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		**$ -**	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data

Total Capital Cost:	**$4,467,000**
Total Capital Outlay Support Cost:	**$0**
Overall Percent Support Cost:	**0.00%**

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	0	/	0
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	500	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	0	1	2	3	4	5	6	7	8	9	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	0	1	2	3	4	5	6	7	8	9	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	$ 2,567,000	$ 2,567,000	$ 2,567,000	$ 2,567,000	$ 2,567,000	$ 2,567,000	$ 2,567,000	$ 2,567,000	$ 2,567,000	$ 2,567,000	$ 2,567,000	$ 2,567,000
STRUCTURE ITEMS	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000	$ 1,900,000
SUBTOTAL	$ 4,467,000	$ 4,467,000	$ 4,467,000	$ 4,467,000	$ 4,467,000	$ 4,467,000	$ 4,467,000	$ 4,467,000	$ 4,467,000	$ 4,467,000	$ 4,467,000	**$ 4,467,000**

Approved by: _____ Project Control Engineer

_____ Date

Preliminary Cost Estimate

Project ID:

Type of Estimate :
Program Code :
Project Limits :
Description:
Scope :
Alternative : Single Point Diamond Interchange

	Current Cost	Escalated Cost
ROADWAY ITEMS	$ 15,637,400	$ 15,637,400
STRUCTURE ITEMS	$ 10,100,000	$ 10,100,000
SUBTOTAL CONSTRUCTION COST	$ 25,737,400	$ 25,737,400
RIGHT OF WAY	$ -	$ -
TOTAL CAPITAL OUTLAY COST	$ 25,738,000	$ 25,738,000
PR/ED SUPPORT	$ -	$ -
PS&E SUPPORT	$ -	$ -
RIGHT OF WAY SUPPORT	$ -	$ -
CONSTRUCTION SUPPORT	$ -	$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	$ -	$ -
TOTAL PROJECT COST	$ 25,750,000	$ 25,750,000

If Project has been programmed enter Programmed Amount $ -

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

Estimated Date of Construction Start (Month/Year) /

Number of Working Days Working Days

Estimated Mid-Point of Construction (Month/Year) Month / Year

Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project Manager

(xxx) xxx-xxxx

Project Manager **Date** **Phone**

I. ROADWAY ITEMS SUMMARY

	Section		Cost
1	**Earthwork**	$	2,199,000
2	**Pavement Structural Section**	$	3,000,000
3	**Drainage**	$	1,000,000
4	**Specialty Items**	$	1,254,000
5	**Environmental**	$	350,000
6	**Traffic Items**	$	1,800,000
7	**Detours**	$	-
8	**Minor Items**	$	-
9	**Roadway Mobilization**	$	960,300
10	**Supplemental Work**	$	480,200
11	**State Furnished**	$	-
12	**Contingencies**	$	3,608,700
13	**Overhead**	$	985,200
	TOTAL ROADWAY ITEMS	**$**	**15,637,400**

Estimate Prepared By _____
Name and Title Date Phone

Estimate 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
Roadway Excavation	CY	29,000	x	45.00	=	$	1,305,000
Imported Borrow	CY	57,600	x	15.00	=	$	864,000
Clearing and Grubbing	LS	1	x	30,000.00	=	$	30,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

TOTAL EARTHWORK SECTION ITEMS $ 2,199,000

SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity		Unit Price ($)			Cost
Pavement	SF	300,000	x	10.00	=	$	3,000,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
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			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

TOTAL STRUCTURAL SECTION ITEMS $ 3,000,000

SECTION 3: DRAINAGE

Item code		Unit	Quantity		Unit Price ($)			Cost
	Drainage	LS	1	x	1,000,000.00	=	$	1,000,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL DRAINAGE ITEMS $ 1,000,000

SECTION 4: SPECIALTY ITEMS

Item code		Unit	Quantity		Unit Price ($)			Cost
	Guardrail	LF	6,700	x	20.00	=	$	134,000
	Sidewalk, Curb, and Gutter	CY	1,400	x	800.00	=	$	1,120,000
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
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				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-
				x		=	$	-

TOTAL SPECIALTY ITEMS $ 1,254,000

SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity		Unit Price ($)			Cost
Erosion Control	LS	1	x	200,000.00	=	$	200,000
			x		=	$	-

Subtotal Environmental *$ 200,000*

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity		Unit Price ($)			Cost
Landscape and Irrigation	LS	1	x	150,000.00	=	$	150,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Landscape and Irrigation *$ 150,000*

5C - NPDES

Item code	Unit	Quantity		Unit Price ($)			Cost
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

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

			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal NPDES (Without Supplemental Work) *$ -*

*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 $ 350,000

SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity		Unit Price ($)			Cost
Lighting	LS	1	x	400,000.00	=	$	400,000
Traffic Signal	EA	1	x	300,000.00	=	$	300,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Traffic Electrical *$ 700,000*

6B - Traffic Signing and Striping

Item code	Unit	Quantity		Unit Price ($)			Cost
Pavement Delineation	LS	1	x	100,000.00	=	$	100,000
Roadside Signs	LS	1	x	300,000.00	=	$	300,000
Overhead Signs	EA	1	x	100,000.00	=	$	100,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Traffic Signing and Striping *$ 500,000*

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity		Unit Price ($)			Cost
Traffic Control Systems	LS	1	x	600,000.00	=	$	600,000
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-
			x		=	$	-

Subtotal Stage Construction and Traffic Handling *$ 600,000*

TOTAL TRAFFIC ITEMS **$ 1,800,000**

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 $ 9,603,000

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				0.0%	$	-
	Total of Section 1-7	$	9,603,000	x	0.0%	= $	-

TOTAL MINOR ITEMS $ -

SECTIONS 9: MOBILIZATION

Item code							
999990	Total Section 1-8	$	9,603,000	x	10%	= $	960,300

TOTAL MOBILIZATION $ 960,300

SECTION 10: SUPPLEMENTAL WORK

Item code		Unit	Quantity		Unit Price ($)		Cost
066015	Federal Trainee Program	LS		x		= $	-
066063	Traffic Management Plan - Public Informatic	LS		x		= $	-
066090	Maintain Traffic	LS		x		= $	-
066094	Value Analysis	LS		x		= $	-
066204	Remove Rock & Debris	LS		x		= $	-
066222	Locate Existing Cross-Over	LS		x		= $	-
066670	Payment Adjustments For Price Index Fluct	LS		x		= $	-
066700	Partnering	LS		x		= $	-
066866	Operation of Existing Traffic Management S	LS		x		= $	-
066920	Dispute Review Board	LS		x		= $	-
XXXXXX	Some Item			x		= $	-
	*Cost of **NPDES** Supplemental Work specified in Section 5C*					= $	-
	Total Section 1-8	$	9,603,000		5%	= $	480,150

TOTAL SUPPLEMENTAL WORK $ 480,200

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code		Unit	Quantity		Unit Price ($)		Cost
066063	Public Information	LS		x		=	$0
066105	RE Office	LS		x		=	$0
066803	Padlocks	LS		x		=	$0
066838	Reflective Numbers and Edge Sealer	LS		x		=	$0
066901	Water Expenses	LS		x		=	$0
066062A	COZEEP Expenses	LS		x		=	$0
06684X	Ramp Meter Controller Assembly	LS		x		=	$0
06684X	TMS Controller Assembly	LS		x		=	$0
06684X	Traffic Signal Controller Assembly	LS		x		=	$0
XXXXXX	Some Item						

Total Section 1-8	$	9,603,000	0%	= $	-

TOTAL STATE FURNISHED	**$0**

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code		Unit	Quantity		Unit Price ($)		Cost
070018	Time-Related Overhead	WD	500	X	1970.4	=	$985,200

TOTAL TIME-RELATED OVERHEAD	**$985,200**

SECTION 13: CONTINGENCY

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

Total Section 1-11	$	12,028,700	x	30%	=	$3,608,610

TOTAL CONTINGENCY	**$3,608,700**

II. STRUCTURE ITEMS

	Retaining Walls	Bridge 1	Bridge 2
DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Building Name	xxxxxxxxxxxxxxxxxx	Missouri Flat Road OC	Weber Creek Bridge L/R
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx	CIP Concrete Box	Steel
Width (Feet) [out to out]	LF	0.00 LF	0.00 LF
Total Building Length (Feet)	LF	0.00 LF	0.00 LF
Total Area (Square Feet)	5920 SQFT	35000 SQFT	9200 SQFT
Structure Depth (Feet)	LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$100.00	$120.00	$300.00
COST OF EACH STRUCTURE	**$592,000.00**	**$4,200,000.00**	**$2,760,000.00**

	Retaining Walls	Bridge 1	Bridge 2
DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
Cost Per Square Foot	$0.00	$0.00	$0.00
COST OF EACH STRUCTURE	**$0.00**	**$0.00**	**$0.00**

TOTAL COST OF BRIDGES	**$6,960,000.00**
TOTAL COST OF RETAINING	**$592,000.00**
TOTAL COST OF STRUCTURES[1]	**$10,100,000.00**

Estimate Prepared By: _____ Date: _____

XXXXXXXXXXXXXXXX ------ Division of Structures

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

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

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 (Items G & H applied to items A + B)		0%	$	0
J)	Design Appreciation Factor		0%	$	0
K)	Utility Relocation (Construction Cost)			$	0

L) **TOTAL RIGHT OF WAY ESTIMATE $0**

(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated $0**

N) **Right of Way Support $ 0**

Support Cost Estimate Prepared By	Project Coordinator[1]	Phone
Utility Estimate Prepared By	Utiliy Coordinator[2]	Phone
R/W Acquistion Estimate Prepared By	Right of Way Estimator[3]	Phone

[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.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											$ -	0.00%
PS&E (PS)											$ -	0.00%
R/W (RW)											$ -	0.00%
CONSTRUCTION (CM)											$ -	0.00%
Total Support Cost:	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		**$ -**	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	**$25,738,000**
Total Capital Outlay Support Cost:	**$0**
Overall Percent Support Cost:	**0.00%**

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	0	/	0
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	500	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	0	1	2	3	4	5	6	7	8	9	FUTURE
FORECASTED ESCALATION RATE*											

ESCALATED CONSTRUCTION COSTS	0	1	2	3	4	5	6	7	8	9	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	$ 15,637,400	$ 15,637,400	$ 15,637,400	$ 15,637,400	$ 15,637,400	$ 15,637,400	$ 15,637,400	$ 15,637,400	$ 15,637,400	$ 15,637,400	$ 15,637,400	$ 15,637,400
STRUCTURE ITEMS	$ 10,100,000	$ 10,100,000	$ 10,100,000	$ 10,100,000	$ 10,100,000	$ 10,100,000	$ 10,100,000	$ 10,100,000	$ 10,100,000	$ 10,100,000	$ 10,100,000	$ 10,100,000
SUBTOTAL	$ 25,737,400	$ 25,737,400	$ 25,737,400	$ 25,737,400	$ 25,737,400	$ 25,737,400	$ 25,737,400	$ 25,737,400	$ 25,737,400	$ 25,737,400	$ 25,737,400	**$ 25,737,400**

Approved by: _____
Project Control Engineer

_____
Date