

PRELIMINARY PROJECT COST ESTIMATE SUMMARY

	DIST-CO-RTE
	<u>02-Sha-5</u>
KP(PM)	<u>1.46 (0.91)</u>
EA	
PP No.	<u>-</u>

II. STRUCTURE ITEMS

	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>
Bridge Name	_____	_____	_____
Structure Type	_____	_____	_____
Width M. (out to out)	0	_____	_____
Span Lengths M.	0	_____	_____
Total Area Sq. M.	0	_____	_____
Footing Type (pile/spread)	_____	_____	_____
Cost Per Sq. M. (incl 10% mobilization and 25% contingency)	0	_____	#
Total Cost for Structure	\$ -	\$ -	\$ -
Remove Existing Structure	_____	_____	_____

SUBTOTAL STRUCTURES ITEMS \$ -

Railroad Related Costs _____ \$ -

TOTAL STRUCTURES ITEMS \$ -

Estimate Prepared By _____ Phone _____ Date _____
(Print Name)

(If appropriate, attach additional pages and backup)

PRELIMINARY PROJECT COST ESTIMATE SUMMARY

	DIST-CO-RTE
	02-Sha-5
KP(PM)	1.46 (0.91)
EA	
PP No.	-

III. RIGHT OF WAY

Right of way estimates should consider the probable highest and best use and type and intent of improvement at the time of acquisition. Assume acquisition including utility relocation occurs at the right of way certification milestone as shown in the Funding and Scheduling Section of the PSR. For further guidance, see Chapter I, Caltrans, Right of Way Procedural Handbook.

	Current Values (Future Use)	Escalation Rates	Escalated Values*
Acquisition, including excess lands & damages to remainder(s)	\$ -	%	\$ -
Utility Relocation (State share)	\$ -	%	\$ -
Clearance/Demolition	\$ -	%	\$ -
RAP	\$ -	%	\$ -
Title and Excrow Fees	\$ -	%	\$ -
CONSTRUCTION CONTRACT WORK	\$ -	%	\$ -
TOTAL RIGHT OF WAY (CURRENT VALUE)**	\$ -	TOT. ESC R/W	\$ -

*Escalated to assumed year of advertising of _____

** Current total value for use on Sheet 1 of 6

Estimate Prepared By OMNI-MEANS Phone _____ Date _____

(If appropriate, attach additional pages and backup including Right of Way Data Sheet)

PRELIMINARY PROJECT COST ESTIMATE SUMMARY

	DIST-CO-RTE
	<u>02-Sha-5</u>
KP(PM)	<u>1.46 (0.91)</u>
EA	<u> </u>
PP No.	<u> -</u>

Section 6 Minor Items		Unit Cost	Section Cost
Subtotal Sections 1 - 5	\$ 1 837 913 x(10%)*	\$ 183 791	
		Total Minor Items	\$ 183 791

Section 7 Roadway Mobilization		#	
Develop Section 7 Roadway Mobilization	\$ 1 837 913	#	
Minor Items	\$ 183 791		
Sum	\$ 2 021 704 x(10%)*	\$ 202 170	
		Total Roadway Mobilization	\$ 202 170

Section 8 Roadway Additions			
<i>Supplemental</i>			
Subtotal Sections 1 - 5	\$ 1 837 913		
Minor Items	\$ 183 791		
Sum	\$ 2 021 704 x(10%)*	\$ 202 170	

<i>Contingencies</i>			
Subtotal Sections 1 - 5	\$ 1 837 913		
Minor Items	\$ 183 791		
Sum	\$ 2 021 704 x(35%)**	\$ 707 597	
		Total Roadway Additions	\$ 909 767
	TOTAL ROADWAY ITEMS - (Total of Section 1 - 8)		\$ 3 133 642

Estimate Prepared By OMNI-MEANS Phone Date
 (Print Name)

* Use 5% - 10%.
 **Use 25% at the PSR stage or a higher or lower rate if justified.

PRELIMINARY PROJECT COST ESTIMATE SUMMARY



Type of Estimate (Pre-PSR, PSR, PR, etc.) Pre-PSR
 Program Code _____

DIST-CO-RTE
02-Sha-5
 KP(PM) 6.6 (2.0)
 EA _____
 PP No. _____

12/5/05 DRAFT

Project Description:

Limits: Route 5/Main Street Interchange Modification

Proposed Improvements (Scope): _____

Alternative: Roundabout Option 2
 (includes the northbound off-ramp and southbound on-ramp)

SUMMARY OF PROJECT COST ESTIMATE:

ROADWAY ITEMS	\$ 8,050,000
STRUCTURAL ITEMS	\$ -
SUBTOTAL CONSTRUCTION	\$ 8,050,000
RIGHT OF WAY (Current Value)	\$ 2,510,000
TOTAL CAPITAL COST	\$ 10,560,000
SUPPORT COST (35% of Total Capital Cost)	\$ 3,696,000
TOTAL PROJECT COST	\$ 14,256,000

Reviewed By _____
 Program Manager Signature

Date _____

Approved By _____
 Project Manager Signature

Phone No. _____ Date _____

PRELIMINARY PROJECT COST ESTIMATE SUMMARY

	DIST-CO-RTE
	02-Sha-5
KP(PM)	6.6 (2.0)
EA	
PP No.	-

I. ROADWAY ITEMS

Section 1 Earthwork	Quantity	Unit	Unit Price	Unit Cost	Section Cost
Roadway Excavation	17 846	M3	\$ 40	\$ 713 841	
Imported Borrow		M3	\$ -	\$ -	
Clearing & Grubbing	1	LS	\$ 40 000	\$ 40 000	
Develop Water Supply	1	LS	\$ 15 000	\$ 15 000	
			\$ -	\$ -	
			Total Earthwork		\$ 768 841

Section 2 Structural Section					
PCC Pavement (_ Depth)			\$ -	\$ -	
AC Removal	32460	M2	\$ 30	\$ 973 800	
Asphalt Concrete	14601	tonne	\$ 60	\$ 876 078	
Open Graded AC	0		\$ 150	\$ -	
Aggregate Base	11769	M3	\$ 50	\$ 588 457	
Treated Permeable Base	0		\$ -	\$ -	
Aggregate Sub-Base			\$ -	\$ -	
Pavement Reinforcing Fabric			\$ -	\$ -	
Edge Drains			\$ -	\$ -	
			\$ -	\$ -	
			\$ -	\$ -	
			Total Structural Items		\$ 2 438 335

Section 3 Drainage					
Large Drainage Facilities	1	LS	\$ 250 000	\$ 250 000	
Storm Drains		LS	\$ -	\$ -	
Pumping Plants				\$ -	
Relocate Detention Basin				\$ -	
Project Drainage	1	LS	\$ 320 718	\$ 320 718	
(X-Drains, Oversize, etc.)		LS	\$ -	\$ -	
			\$ -	\$ -	
			Total Drainage		\$ 570 718

PRELIMINARY PROJECT COST ESTIMATE SUMMARY

	DIST-CO-RTE
	02-Sha-5
KP(PM)	6.6 (2.0)
EA	
PP No.	-

Section 4 Specialty Items	Quantity	Unit	Unit Price	Unit Cost	Section Cost
Retaining Walls	0	M2	\$ -	\$ -	
Ramp Gore Paving	0	LS	\$ -	\$ -	
Minor Concrete/Textured Paving	0	M2	\$ -	\$ -	
Sidewalk Ramps	0	EA	\$ -	\$ -	
Landscaping/Irrigation	1	LS	\$ -	\$ -	
Erosion Control	1	LS	\$ 150 000	\$ 150 000	
Curb, Gutter & Sidewalk	415	M3	\$ 20	\$ 8 305	
Barriers and Guardrails	1	LS	\$ -	\$ -	
Hazardous Waste Work	1	LS	\$ 200 000	\$ 200 000	
Environmental Mitigation	1	LS	\$ 40 000	\$ 40 000	
Chainlink Fence (1.8M)	0	M	\$ 55	\$ -	
Route 5 Widening	0	LS		\$ -	
			Total Specialty Items		\$ 398 305

Section 5 Traffic Items	Quantity	Unit	Unit Price	Unit Cost	Section Cost
Maintain Traffic	1	LS	\$ 100 000	\$ 100 000	
Portable CMS	4	EA	\$ 10 000	\$ 40 000	
Signing and Stripping	1	LS	\$ 100 000	\$ 100 000	
Ramp Metering	0	EA	\$ -	\$ -	
Lighting	1	LS	\$ 100 000	\$ 100 000	
Temp Traffic Signals	0	LS	\$ -	\$ -	
Permanent Signals	0	EA	\$ 160 000	\$ -	
Traffic Management Plan	1	LS	\$ 200 000	\$ 200 000	
COZEEP	0	LS	\$ -	\$ -	
Temporary Pavement	0	LS	\$ -	\$ -	
Temporary K-Rail	0	LS	\$ -	\$ -	
			Total Traffic Items		\$ 540 000
			SUBTOTAL SECTIONS 1 - 5		\$ 4 716 199

PRELIMINARY PROJECT COST ESTIMATE SUMMARY

	DIST-CO-RTE
	<u>02-Sha-5</u>
KP(PM)	<u>6.6 (2.0)</u>
EA	<u> </u>
PP No.	<u> -</u>

Section 6 Minor Items			<u>Unit Cost</u>	<u>Section Cost</u>
Subtotal Sections 1 - 5	<u>\$ 4 716 199</u>	x(10%)*	<u>\$ 471 620</u>	
			Total Minor Items	<u>\$ 471 620</u>

Section 7 Roadway Mobilization				#
Develop Section 7 Roadway Mobilization	<u>\$ 4 716 199</u>			#
Minor Items	<u>\$ 471 620</u>			
Sum	<u>\$ 5 187 819</u>	x(10%)*	<u>\$ 518 782</u>	
			Total Roadway Mobilization	<u>\$ 518 782</u>

Section 8 Roadway Additions				
<i>Supplemental</i>				
Subtotal Sections 1 - 5	<u>\$ 4 716 199</u>			
Minor Items	<u>\$ 471 620</u>			
Sum	<u>\$ 5 187 819</u>	x(10%)*	<u>\$ 518 782</u>	

<i>Contingencies</i>				
Subtotal Sections 1 - 5	<u>\$ 4 716 199</u>			
Minor Items	<u>\$ 471 620</u>			
Sum	<u>\$ 5 187 819</u>	x(35%)**	<u>\$ 1 815 737</u>	
			Total Roadway Additions	<u>\$ 2 334 518</u>
			TOTAL ROADWAY ITEMS - (Total of Section 1 - 8)	<u>\$ 8 041 119</u>

Estimate Prepared By OMNI-MEANS Phone Date
 (Print Name)

* Use 5% - 10%
 **Use 25% at the PSR stage or a higher or lower rate if justified

PRELIMINARY PROJECT COST ESTIMATE SUMMARY

	DIST-CO-RTE
	<u>02-Sha-5</u>
KP(PM)	<u>6.6 (2.0)</u>
EA	
PP No.	<u>-</u>

II. STRUCTURE ITEMS

	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	_____	_____	_____	*
Develop Water Supply	_____	_____	_____	
Width M. (out to out)	0	_____	_____	
Span Lengths M.	0	_____	_____	
Total Area Sq M	0	_____	_____	
Footing Type (pile/spread)	_____	_____	_____	
Cost Per Sq M. (incl 10% mobilization and 25% contingency)	0	_____	#	
Total Cost for Structure	\$ -	\$ -	\$ -	
Remove Existing Structure	_____	_____	_____	
SUBTOTAL STRUCTURES ITEMS				\$ -
Railroad Related Costs	_____	_____	_____	\$ -
TOTAL STRUCTURES ITEMS				\$ -

Estimate Prepared By OMNI-MEANS Phone _____ Date _____
 (Print Name)

(If appropriate, attach additional pages and backup)

PRELIMINARY PROJECT COST ESTIMATE SUMMARY

	DIST-CO-RTE
	02-Sha-5
KP(PM)	6.6 (2.0)
EA	
PP No.	-

III. RIGHT OF WAY

Right of way estimates should consider the probable highest and best use and type and intent of improvement at the time of acquisition. Assume acquisition including utility relocation occurs at the right of way certification milestone as shown in the Funding and Scheduling Section of the PSR. For further guidance, see Chapter I, Caltrans, Right of Way Procedural Handbook.

	Current Values (Future Use)	Escalation Rates	Escalated Values*
Acquisition, including excess lands & damages to remainder(s)	\$ 2 360 000	%	\$ -
Utility Relocation (State share)	\$ -	%	\$ -
Clearance/Demolition	\$ -	%	\$ -
RAP	\$ -	%	\$ -
Title and Excrow Fees	\$ 150 000	%	\$ -
CONSTRUCTION CONTRACT WORK	\$ -	%	\$ -
TOTAL RIGHT OF WAY (CURRENT VALUE)**	\$ 2 510 000	TOT ESC. R/W	\$ -

*Escalated to assumed year of advertising of _____.

** Current total value for use on Sheet 1 of 6

Estimate Prepared By OMNI-MEANS Phone _____ Date _____

(If appropriate, attach additional pages and backup including Right of Way Data Sheet)

PRELIMINARY PROJECT COST ESTIMATE SUMMARY



Type of Estimate (Pre-PSR, PSR, PR, etc) Pre-PSR
 Program Code _____

DIST-CO-RTE
02-Sha-5
 KP(PM) 1.46 (0.91)
 EA _____
 PP No. _____

1/4/06 DRAFT

Project Description:

Limits: Route 5/Gas Point Road Interchange Modification

Proposed Improvements (Scope): Ultimate Improvements

Alternative: Signalized Intersection Alternative

SUMMARY OF PROJECT COST ESTIMATE:

ROADWAY ITEMS	\$	6,840,000
STRUCTURAL ITEMS	\$	3,530,000
SUBTOTAL CONSTRUCTION	\$	10,370,000
RIGHT OF WAY (Current Value)	\$	-
TOTAL CAPITAL COST	\$	10,370,000
SUPPORT COST (35% of Total Capital Cost)	\$	3,630,000
TOTAL PROJECT COST	\$	14,000,000

Reviewed By _____
 Program Manager Signature

Date _____

Approved By _____
 Project Manager Signature

Phone No _____

Date _____

PRELIMINARY PROJECT COST ESTIMATE SUMMARY

DIST-CO-RTE

02-Sha-5

KP(PM) 1.46 (0.91)

EA

PP No. -

I. ROADWAY ITEMS

Section 1 Earthwork	Quantity	Unit	Unit Price	Unit Cost	Section Cost
Roadway Excavation	14 456	M3	\$ 40	\$ 578 244	
Imported Borrow		M3	\$ -	\$ -	
Clearing & Grubbing	1	LS	\$ 100 000	\$ 100 000	
Develop Water Supply	1	LS	\$ 30 000	\$ 30 000	
			\$ -	\$ -	
Total Earthwork					\$ 708 244

Section 2 Structural Section

PCC Pavement (_ Depth)			\$ -	\$ -	
AC Removal	4020	M2	\$ 30	\$ 120 600	
Asphalt Concrete	9211	tonne	\$ 60	\$ 552 671	
Open Graded AC	0		\$ -	\$ -	
Aggregate Base	7731	M3	\$ 50	\$ 386 564	
Treated Permeable Base	0		\$ -	\$ -	
Aggregate Sub-Base			\$ -	\$ -	
Pavement Reinforcing Fabric			\$ -	\$ -	
Edge Drains			\$ -	\$ -	
			\$ -	\$ -	
			\$ -	\$ -	
Total Structural Items					\$ 1 059 836

Section 3 Drainage

Large Drainage Facilities	1	LS	\$ 150 000	\$ 150 000	
Storm Drains			\$ -	\$ -	
Pumping Plants				\$ -	
Relocate Detention Basin				\$ -	
Project Drainage	1	LS	\$ 265 212	\$ 265 212	
(X-Drains, Oversize, etc)			\$ -	\$ -	
			\$ -	\$ -	
Total Drainage					\$ 415 212

Sheet 2 of 6

PRELIMINARY PROJECT COST ESTIMATE SUMMARY

DIST-CO-RTE
02-Sha-5
 KP(PM) 1.46 (0.91)
 EA _____
 PP No. -

Section 4 Specialty Items	Quantity	Unit	Unit Price	Unit Cost	Section Cost
Retaining Walls	662	M2	\$ 300	\$ 198 697	
Ramp Gore Paving	0	LS	\$ -	\$ -	
Minor Concrete/Textured Paving	0	M2	\$ -	\$ -	
Sidewalk Ramps	0	EA	\$ -	\$ -	
Landscaping/Irrigation	1	LS	\$ -	\$ -	
Erosion Control	1	LS	\$ 150 000	\$ 150 000	
Curb, Gutter & Sidewalk	303	M3	\$ 600	\$ 182 094	
Barriers and Guardrails	1	LS	\$ 17 200	\$ 17 200	
Hazardous Waste Work	1	LS	\$ 200 000	\$ 200 000	
Environmental Mitigation	1	LS	\$ 40 000	\$ 40 000	
Chainlink Fence (1.8M)	0	M	\$ -	\$ -	
	0	LS		\$ -	
Total Specialty Items					\$ 787 991

Section 5 Traffic Items	Quantity	Unit	Unit Price	Unit Cost	Section Cost
Maintain Traffic	1	LS	\$ 100 000	\$ 100 000	
Portable CMS	4	EA	\$ 10 000	\$ 40 000	
Signing and Stripping	1	LS	\$ 100 000	\$ 100 000	
Ramp Metering	0	EA	\$ -	\$ -	
Lighting	1	LS	\$ 100 000	\$ 100 000	
Temp Traffic Signals	0	LS	\$ -	\$ -	
Permanent Signals	4	EA	\$ 160 000	\$ 640 000	
Traffic Management Plan	1	LS	\$ 60 000	\$ 60 000	
COZEEP	0	LS	\$ -	\$ -	
Temporary Pavement	0	LS	\$ -	\$ -	
Temporary K-Rail	0	LS	\$ -	\$ -	
Total Traffic Items					\$ 1 040 000
SUBTOTAL SECTIONS 1 - 5					\$ 4 011 283

PRELIMINARY PROJECT COST ESTIMATE SUMMARY

	DIST-CO-RTE
	<u>02-Sha-5</u>
KP(PM)	<u>1.46 (0.91)</u>
EA	<u> </u>
PP No.	<u> -</u>

Section 6 Minor Items		<u>Unit Cost</u>	<u>Section Cost</u>
Subtotal Sections 1 - 5	<u>\$ 4 011 283</u> x(10%)*	<u>\$ 401 128</u>	
		Total Minor Items	<u>\$ 401 128</u>

Section 7 Roadway Mobilization		#	
Develop Section 7 Roadway Mobilization	<u>\$ 4 011 283</u>	#	
Minor Items	<u>\$ 401 128</u>		
Sum	<u>\$ 4 412 411</u> x(10%)*	<u>\$ 441 241</u>	
		Total Roadway Mobilization	<u>\$ 441 241</u>

Section 8 Roadway Additions	
<i>Supplemental</i>	
Subtotal Sections 1 - 5	<u>\$ 4 011 283</u>
Minor Items	<u>\$ 401 128</u>
Sum	<u>\$ 4 412 411</u> x(10%)*

<i>Contingencies</i>			
Subtotal Sections 1 - 5	<u>\$ 4 011 283</u>		
Minor Items	<u>\$ 401 128</u>		
Sum	<u>\$ 4 412 411</u> x(35%)**		
		Total Roadway Additions	<u>\$ 1 985 585</u>
TOTAL ROADWAY ITEMS - (Total of Section 1 - 8)			<u>\$ 6 839 237</u>

Estimate Prepared By OMNI-MEANS Phone Date
 (Print Name)

* Use 5% - 10%
 **Use 25% at the PSR stage or a higher or lower rate if justified.

PRELIMINARY PROJECT COST ESTIMATE SUMMARY

	DIST-CO-RTE
	<u>02-Sha-5</u>
KP(PM)	<u>1.46 (0.91)</u>
EA	
PP No.	<u>-</u>

II. STRUCTURE ITEMS

	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>
Bridge Name	<u>Gas Point OC</u>	<u></u>	<u></u>
Structure Type	<u>RC BOX</u>	<u></u>	<u></u>
Width M (out to out)	<u>0</u>	<u></u>	<u></u>
Span Lengths M.	<u>0</u>	<u></u>	<u></u>
Total Area Sq. M	<u>1839</u>	<u></u>	<u></u>
Footing Type (pile/spread)	<u></u>	<u></u>	<u></u>
Cost Per Sq. M (incl 10% mobilization and 25% contingency)	<u>1620</u>	<u>#</u>	<u></u>
Total Cost for Structure	<u>\$ 2 979 860</u>	<u>\$ -</u>	<u>\$ -</u>
Remove Existing Structure	<u>\$ 550 000</u>	<u></u>	<u></u>

SUBTOTAL STRUCTURES ITEMS \$ 3 529 860

Railroad Related Costs \$ -

TOTAL STRUCTURES ITEMS \$ 3 529 860

Estimate Prepared By OMNI-MEANS Phone Date
 (Print Name)

(If appropriate, attach additional pages and backup)

PRELIMINARY PROJECT COST ESTIMATE SUMMARY

	DIST-CO-RTE
	02-Sha-5
KP(PM)	1.46 (0.91)
EA	
PP No.	-

III. RIGHT OF WAY

Right of way estimates should consider the probable highest and best use and type and intent of improvement at the time of acquisition. Assume acquisition including utility relocation occurs at the right of way certification milestone as shown in the Funding and Scheduling Section of the PSR. For further guidance, see Chapter I, Caltrans, Right of Way Procedural Handbook

	Current Values (Future Use)	Escalation Rates	Escalated Values*
Acquisition, including excess lands & damages to remainder(s)	\$ -	%	\$ -
Utility Relocation (State share)	\$ -	%	\$ -
Clearance/Demolition	\$ -	%	\$ -
RAP	\$ -	%	\$ -
Title and Excrow Fees	\$ -	%	\$ -
CONSTRUCTION CONTRACT WORK	\$ -	%	\$ -
TOTAL RIGHT OF WAY (CURRENT VALUE)**	\$ -	TOT ESC R/W	\$ -

*Escalated to assumed year of advertising of _____

** Current total value for use on Sheet 1 of 6

Estimate Prepared By OMNI-MEANS Phone _____ Date _____

(If appropriate, attach additional pages and backup including Right of Way Data Sheet)