

APPENDIX E

CONCEPT COST ESTIMATES

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY
Redemeyer Road Extension, City of Ukiah
Alternative A

District-County-Route 01-MEN-CR
Type of Estimate Feasibility Study
KP (PM) _____
EA _____
Program Code _____

PROJECT DESCRIPTION:

Limits: North State Street on the West to Redemeyer Road on the East

Proposed Construct 36' wide roadway

Improvement (Scope): AC, AB, C&G, Storm Drain, Landscaping, One Bridge

RR Grade Crossing, Signal & Lighting

Alternative: A

ROADWAY ITEMS	\$	<u>3,938,000</u>
STRUCTURE ITEMS	\$	<u>9,799,000</u>
SUBTOTAL CONSTRUCTION	\$	<u>13,737,000</u>
RIGHT OF WAY (current value)	\$	<u>3,008,000</u>
TOTAL PROJECT COST	\$	<u>16,745,000</u>

Reviewed by Kevin Ross **Date** 17-Jun-08
Project Engineer

Approved by Craig Drake **Date** 17-Jun-08
Project Manager

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route **01-MEN-CR**

KP (PM) _____

EA _____

<u>Section 4 Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Retaining Walls (See Sheet 5)	_____	_____	\$ _____	\$ _____	_____
Noise Barrier	_____	_____	\$ _____	\$ _____	_____
Barrier and Guardrails	1,250	LF	\$ 50.00	\$ 62,500	_____
Equipment/Animal Passes	_____	_____	\$ _____	\$ _____	_____
Highway Planting	_____	_____	\$ _____	\$ _____	_____
Replacement Planting (Oaks)	_____	_____	\$ _____	\$ _____	_____
Irrigation Modification	_____	_____	\$ _____	\$ _____	_____
Landscape & Irrigation	8,670	SQYD	\$ 3.75	\$ 32,500	_____
Facilities					
Erosion Control	1	LS	\$ 40,000.00	\$ 40,000	_____
Slope Protection	_____	_____	\$ _____	\$ _____	_____
Water Pollution Control	1	LS	\$ 90,000.00	\$ 90,000	_____
Hazardous Waste Mitigation	_____	_____	\$ _____	\$ _____	_____
RR Grade Xing	1	LS	\$ 100,000.00	\$ 100,000	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
Subtotal Specialty Items					\$ 325,000

Section 5 Traffic Items

Lighting	_____	_____	\$ _____	\$ _____	_____
Traffic Delineation Items	1	LS	\$ 20,000.00	\$ 20,000	_____
Traffic Signals	_____	_____	\$ _____	\$ _____	_____
Overhead Sign Structures	_____	_____	\$ _____	\$ _____	_____
Roadside Signs	1	LS	\$ 20,000.00	\$ 20,000	_____
Traffic Control Systems	1	LS	\$ 25,000.00	\$ 25,000	_____
Transportation Management Plan	_____	_____	\$ _____	\$ _____	_____
Traffic Signal Modifications	1	LS	\$ 140,000.00	\$ 140,000	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
Subtotal Traffic Items					\$ 205,000
TOTAL SECTIONS 1 - 5					\$ 2,469,000

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route 01-MEN-CR
 KP (PM) _____
 EA _____

Section 6 Minor Items

	<u>Item Cost</u>	<u>Section Cost</u>
(Subtotal Sections 1-5) \$ <u>2,469,000</u> x (10%) = \$ <u>246,900</u>		
	<u>Total Minor Items</u>	\$ <u>246,900</u>

Section 7 Roadway Mobilization

(Subtotal Sections 1-6) \$ <u>2,715,900</u> x (10%) = \$ <u>271,600</u>		
	<u>Total Roadway Mobilization</u>	\$ <u>271,600</u>

Section 8 Roadway Additions

Supplemental Work (Subtotal Sections 1-6) \$ <u>2,715,900</u> x (10%) = \$ <u>271,600</u>		
Contingencies (Subtotal Sections 1-6) \$ <u>2,715,900</u> x (25%) = \$ <u>679,000</u>		
	<u>Total Roadway Additions</u>	\$ <u>950,600</u>

TOTAL ROADWAY ITEMS	<u>3,938,100</u>
	(Total Sections 1 - 8)

Estimate Prepared By <u>Craig Drake</u>	Date <u>6/17/2008</u>
(Print Name)	
Estimate Checked By <u>Kevin Ross</u>	Date <u>6/17/2008</u>
(Print Name)	

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route 01-MEN-CR
 KP (PM) _____
 EA _____

II. STRUCTURE ITEMS

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	Redemeyer Road	_____	_____	
Structure Type	CIP PS Box	_____	_____	
Width (out to out)	39.50	_____	_____	
Span Lengths	656.25	_____	_____	
Total Area	25,922	_____	_____	
Footing Type (pile/spread)	Pile	_____	_____	
Cost Per Square Foot	\$ 280	_____	_____	
Total Cost	\$ 7,258,200	_____	_____	
10% Mobilization	\$ 725,800	_____	_____	
25% Contingency	\$ 1,814,600	_____	_____	
Total Cost for Structure	\$ 9,798,600	\$ _____	\$ _____	
Other	\$ _____	\$ _____	\$ _____	
		<u>SUBTOTAL STRUCTURES ITEMS</u>	\$	<u>9,798,600</u>
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ _____	\$ _____	\$ _____	\$ <u>0</u>
		<u>SUBTOTAL RAILROAD ITEMS</u>	\$	<u>0</u>
		<u>TOTAL STRUCTURES ITEMS</u>	\$	<u>9,798,600</u>

COMMENTS:

Estimate Prepared By Kevin Ross
 (Print Name)

Date 6/17/2008

NOTE: If appropriate, attach additional pages and backup.

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route 01-MEN-CR
 KP (PM) _____
 EA _____

III. RIGHT OF WAY

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)**	\$ 2,780,100	\$ 10%	\$ 3,058,100
Utility Relocation (Agency share)	\$ _____	\$ 10%	\$ 0
Clearance/Demolition	\$ 100,000	\$ 10%	\$ 110,000
RAP (Relocation Assistance Program)	\$ 100,000	\$ 10%	\$ 110,000
Title and Escrow Fees	\$ 27,800	\$ 10%	\$ 30,600
Total Current R/W	\$ 3,007,900	Total Escalated R/W	\$ 3,308,700
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ 0	\$ 0

* Anticipated Date of Right of Way Certification 2011

** Assumes \$150,000 per acre for land and \$450,000 per building

COMMENTS:

Estimate Prepared By Craig Drake
 (Print Name)

Date 6/17/2008

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY
Redemeyer Road Extension, City of Ukiah
Alternative B

District-County-Route 01-MEN-CR
Type of Estimate Feasibility Study
KP (PM) _____
EA _____
Program Code _____

PROJECT DESCRIPTION:

Limits: Redemeyer Road Extention to Lake Mendocino Drive

Proposed Construct 36' wide roadway

Improvement (Scope): AC, AB, C&G, Storm Drain, Landscaping, One Bridge

Signal & Lighting

Alternative: B

ROADWAY ITEMS	\$	3,777,100
STRUCTURE ITEMS	\$	7,465,500
SUBTOTAL CONSTRUCTION	\$	11,242,600
RIGHT OF WAY (current value)	\$	1,882,300
TOTAL PROJECT COST	\$	13,124,900

Reviewed by Kevin Ross **Date** 17-Jun-08
Project Engineer

Approved by Craig Drake **Date** 17-Jun-08
Project Manager

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route 01-MEN-CR
KP (PM) _____
EA _____

Section 6 Minor Items

(Subtotal Sections 1-5) \$ 2,368,100 x (10%) = \$ 236,800

Total Minor Items \$ 236,800

Section 7 Roadway Mobilization

(Subtotal Sections 1-6) \$ 2,604,900 x (10%) = \$ 260,500

Total Roadway Mobilization \$ 260,500

Section 8 Roadway Additions

Supplemental Work
(Subtotal Sections 1-6) \$ 2,604,900 x (10%) = \$ 260,500

Contingencies
(Subtotal Sections 1-6) \$ 2,604,900 x (25%) = \$ 651,200

Total Roadway Additions \$ 911,700

TOTAL ROADWAY ITEMS 3,777,100
(Total Sections 1 - 8)

Estimate Prepared By Craig Drake
(Print Name)

Date 6/17/2008

Estimate Checked By Kevin Ross
(Print Name)

Date 6/17/2008

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route 01-MEN-CR
 KP (PM) _____
 EA _____

II. STRUCTURE ITEMS

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	Redemeyer Road	East Side Calpella		
Structure Type	CIP/PS Box Girder	CIP/PS Box Girder		
Width (out to out)	39.50	39.50		
Span Lengths	200.00	300.00		
Total Area	7,900	11,850.00		
Footing Type (pile/spread)	Pile	Pile		
Cost Per Square Foot	\$ 280	280.00		
Total Cost	\$ 2,212,000	3,318,000		
10% Mobilization	\$ 221,200	331,800		
25% Contingency	\$ 553,000	829,500		
Total Cost for Structure	\$ 2,986,200	\$ 4,479,300	\$	
Other	\$	\$	\$	
		<u>SUBTOTAL STRUCTURES ITEMS</u>	\$	<u>7,465,500</u>
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$	\$	\$	\$ <u>0</u>
		<u>SUBTOTAL RAILROAD ITEMS</u>	\$	<u>0</u>
		<u>TOTAL STRUCTURES ITEMS</u>	\$	<u>7,465,500</u>

COMMENTS:

Estimate Prepared By Kevin Ross
 (Print Name)

Date 6/17/2008

NOTE: If appropriate, attach additional pages and backup.

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route 01-MEN-CR
KP (PM) _____
EA _____

III. RIGHT OF WAY

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)**	\$ <u>1,764,700</u>	\$ <u>10%</u>	\$ <u>1,941,200</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ <u>50,000</u>	\$ <u>10%</u>	\$ <u>55,000</u>
RAP (Relocation Assistance Program)	\$ <u>50,000</u>	\$ <u>10%</u>	\$ <u>55,000</u>
Title and Escrow Fees	\$ <u>17,600</u>	\$ <u>10%</u>	\$ <u>19,400</u>
Total Current R/W	\$ <u>1,882,300</u>	Total Escalated R/W	\$ <u>2,070,600</u>
CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

* Anticipated Date of Right of Way Certification 2011

** Assumes \$150,000 per acre for land and \$450,000 per building

COMMENTS:

Estimate Prepared By Craig Drake
(Print Name)

Date 6/17/2008

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY
Redemeyer Road Extension, City of Ukiah
Alternative C

District-County-Route 01-MEN-CR
Type of Estimate Feasibility Study
KP (PM) _____
EA _____
Program Code _____

PROJECT DESCRIPTION:

Limits: North State Street on the West to Redemeyer Road on the East

Proposed Construct 36' wide roadway

Improvement (Scope): AC, AB, C&G, Storm Drain, Landscaping, One Bridge

RR Grade Crossing, Signal & Lighting

Alternative: C

ROADWAY ITEMS	\$	3,341,900
STRUCTURE ITEMS	\$	5,599,000
SUBTOTAL CONSTRUCTION	\$	8,940,900
RIGHT OF WAY (current value)	\$	1,314,300
TOTAL PROJECT COST	\$	10,255,200

Reviewed by Kevin Ross **Date** 17-Jun-08
Program Manager

Approved by Craig Drake **Date** 17-Jun-08
Project Manager

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route **01-MEN-CR**

KP (PM) _____

EA _____

<u>Section 4 Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Retaining Walls (See Sheet 5)	_____	_____	\$ _____	\$ _____	_____
Noise Barrier	_____	_____	\$ _____	\$ _____	_____
Barrier and Guardrails	1,000	LF	\$ 50.00	\$ 50,000	_____
Equipment/Animal Passes	_____	_____	\$ _____	\$ _____	_____
Highway Planting	_____	_____	\$ _____	\$ _____	_____
Replacement Planting (Oaks)	_____	LS	\$ _____	\$ _____	_____
Irrigation Modification	_____	_____	\$ _____	\$ _____	_____
Landscape & Irrigation	11,000	SQYD	\$ 3.75	\$ 41,250	_____
Facilities					
Erosion Control	1	LS	\$ 50,000.00	\$ 50,000	_____
Slope Protection	_____	LS	\$ _____	\$ _____	_____
Water Pollution Control	1	LS	\$ 100,000.00	\$ 100,000	_____
Hazardous Waste Mitigation	_____	LS	\$ _____	\$ _____	_____
RR Grade Xing	1	LS	\$ 100,000.00	\$ 100,000	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
Subtotal Specialty Items					\$ 341,250

Section 5 Traffic Items

Lighting	_____	_____	\$ _____	\$ _____	_____
Traffic Delineation Items	1	LS	\$ 20,000.00	\$ 20,000	_____
Traffic Signals	1	LS	\$ 140,000.00	\$ 140,000	_____
Overhead Sign Structures	_____	_____	\$ _____	\$ _____	_____
Roadside Signs	1	LS	\$ 20,000.00	\$ 20,000	_____
Traffic Control Systems	1	LS	\$ 25,000.00	\$ 25,000	_____
Transportation Management Plan	_____	_____	\$ _____	\$ _____	_____
Traffic Signal Modifications	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
Subtotal Traffic Items					\$ 205,000
TOTAL SECTIONS 1 - 5					\$ 2,095,250

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route 01-MEN-CR
 KP (PM) _____
 EA _____

II. STRUCTURE ITEMS

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	Redemeyer Road	_____	_____	
Structure Type	_____	_____	_____	
Width (out to out)	39.50	_____	_____	
Span Lengths	375.00	_____	_____	
Total Area	14,813.00	_____	_____	
Footing Type (pile/spread)	Pile	_____	_____	
Cost Per Square Foot	\$ 280	_____	_____	
Total Cost	\$ 4,147,600	_____	_____	
10% Mobilization	\$ 414,800	_____	_____	
25% Contingency	\$ 1,036,900	_____	_____	
Total Cost for Structure	\$ 5,599,300	\$ _____	\$ _____	
Other	\$ _____	\$ _____	\$ _____	
		<u>SUBTOTAL STRUCTURES ITEMS</u>	\$	<u>5,599,300</u>
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ _____	\$ _____	\$ _____	\$ 0
		<u>SUBTOTAL RAILROAD ITEMS</u>	\$	<u>0</u>
		<u>TOTAL STRUCTURES ITEMS</u>	\$	<u>5,599,300</u>

COMMENTS:

Estimate Prepared By Kevin Ross
 (Print Name)

Date 6/17/2008

NOTE: If appropriate, attach additional pages and backup.

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route 01-MEN-CR
 KP (PM) _____
 EA _____

III. RIGHT OF WAY

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>855,700</u>	\$ <u>10%</u>	\$ <u>941,270</u>
Utility Relocation (Agency share)	\$ <u>400,000</u>	\$ <u>10%</u>	\$ <u>440,000</u>
Clearance/Demolition	\$ <u>50,000</u>	\$ <u>10%</u>	\$ <u>55,000</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ <u>8,600</u>	\$ <u>10%</u>	\$ <u>9,460</u>
Total Current R/W	\$ <u>1,314,300</u>	Total Escalated R/W	\$ <u>1,445,700</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

* Anticipated Date of Right of Way Certification 2011

COMMENTS:

Estimate Prepared By Craig Drake
 (Print Name)

Date 6/17/2008

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY
Redemeyer Road Extension, City of Ukiah
Alternative AC

District-County-Route 01-MEN-CR
Type of Estimate Feasibility Study
KP (PM) _____
EA _____
Program Code _____

PROJECT DESCRIPTION:

Limits: North State Street on the West to Redemeyer Road on the East

Proposed Construct 36' wide roadway

Improvement (Scope): AC, AB, C&G, Storm Drain, Landscaping, One Bridge

RR Grade Crossing, Signal & Lighting

Alternative: AC

ROADWAY ITEMS	\$	<u>3,938,000</u>
STRUCTURE ITEMS	\$	<u>6,197,000</u>
SUBTOTAL CONSTRUCTION	\$	<u>10,135,000</u>
RIGHT OF WAY (current value)	\$	<u>3,008,000</u>
TOTAL PROJECT COST	\$	<u>13,143,000</u>

Reviewed by Kevin Ross **Date** 17-Jun-08
Project Engineer

Approved by Craig Drake **Date** 17-Jun-08
Project Manager

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route **01-MEN-CR**

KP (PM) _____

EA _____

<u>Section 4 Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Retaining Walls (See Sheet 5)	_____	_____	\$ _____	\$ _____	_____
Noise Barrier	_____	_____	\$ _____	\$ _____	_____
Barrier and Guardrails	1,250	LF	\$ 50.00	\$ 62,500	_____
Equipment/Animal Passes	_____	_____	\$ _____	\$ _____	_____
Highway Planting	_____	_____	\$ _____	\$ _____	_____
Replacement Planting (Oaks)	_____	_____	\$ _____	\$ _____	_____
Irrigation Modification	_____	_____	\$ _____	\$ _____	_____
Landscape & Irrigation	8,670	SQYD	\$ 3.75	\$ 32,500	_____
Facilities					
Erosion Control	1	LS	\$ 40,000.00	\$ 40,000	_____
Slope Protection	_____	_____	\$ _____	\$ _____	_____
Water Pollution Control	1	LS	\$ 90,000.00	\$ 90,000	_____
Hazardous Waste Mitigation	_____	_____	\$ _____	\$ _____	_____
RR Grade Xing	1	LS	\$ 100,000.00	\$ 100,000	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
Subtotal Specialty Items					\$ 325,000

Section 5 Traffic Items

Lighting	_____	_____	\$ _____	\$ _____	_____
Traffic Delineation Items	1	LS	\$ 20,000.00	\$ 20,000	_____
Traffic Signals	_____	_____	\$ _____	\$ _____	_____
Overhead Sign Structures	_____	_____	\$ _____	\$ _____	_____
Roadside Signs	1	LS	\$ 20,000.00	\$ 20,000	_____
Traffic Control Systems	1	LS	\$ 25,000.00	\$ 25,000	_____
Transportation Management Plan	_____	_____	\$ _____	\$ _____	_____
Traffic Signal Modifications	1	LS	\$ 140,000.00	\$ 140,000	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
Subtotal Traffic Items					\$ 205,000
TOTAL SECTIONS 1 - 5					\$ 2,469,000

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route 01-MEN-CR
 KP (PM) _____
 EA _____

Section 6 Minor Items

	<u>Item Cost</u>	<u>Section Cost</u>
(Subtotal Sections 1-5) \$ <u>2,469,000</u> x (10%) = \$ <u>246,900</u>		
	<u>Total Minor Items</u>	\$ <u>246,900</u>

Section 7 Roadway Mobilization

(Subtotal Sections 1-6) \$ <u>2,715,900</u> x (10%) = \$ <u>271,600</u>		
	<u>Total Roadway Mobilization</u>	\$ <u>271,600</u>

Section 8 Roadway Additions

Supplemental Work (Subtotal Sections 1-6) \$ <u>2,715,900</u> x (10%) = \$ <u>271,600</u>		
Contingencies (Subtotal Sections 1-6) \$ <u>2,715,900</u> x (25%) = \$ <u>679,000</u>		
	<u>Total Roadway Additions</u>	\$ <u>950,600</u>

TOTAL ROADWAY ITEMS	<u>3,938,100</u>
	(Total Sections 1 - 8)

Estimate Prepared By <u>Craig Drake</u>	Date <u>6/17/2008</u>
(Print Name)	
Estimate Checked By <u>Kevin Ross</u>	Date <u>6/17/2008</u>
(Print Name)	

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route 01-MEN-CR
 KP (PM) _____
 EA _____

II. STRUCTURE ITEMS

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	Redemeyer Road	_____	_____	
Structure Type	CIP PS Box	_____	_____	
Width (out to out)	39.50	_____	_____	
Span Lengths	415.00	_____	_____	
Total Area	16,393	_____	_____	
Footing Type (pile/spread)	Pile	_____	_____	
Cost Per Square Foot	\$ 280	_____	_____	
Total Cost	\$ 4,590,000	_____	_____	
10% Mobilization	\$ 459,000	_____	_____	
25% Contingency	\$ 1,147,500	_____	_____	
Total Cost for Structure	\$ 6,196,500	\$ _____	\$ _____	
Other	\$ _____	\$ _____	\$ _____	
		<u>SUBTOTAL STRUCTURES ITEMS</u>	\$ <u>6,196,500</u>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ _____	\$ _____	\$ _____	\$ <u>0</u>
		<u>SUBTOTAL RAILROAD ITEMS</u>	\$ <u>0</u>	
		<u>TOTAL STRUCTURES ITEMS</u>	\$ <u>6,196,500</u>	

COMMENTS:

Estimate Prepared By Kevin Ross
 (Print Name)

Date 6/17/2008

NOTE: If appropriate, attach additional pages and backup.

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route 01-MEN-CR
 KP (PM) _____
 EA _____

III. RIGHT OF WAY

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)**	\$ <u>2,780,100</u>	\$ <u>10%</u>	\$ <u>3,058,100</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ <u>100,000</u>	\$ <u>10%</u>	\$ <u>110,000</u>
RAP (Relocation Assistance Program)	\$ <u>100,000</u>	\$ <u>10%</u>	\$ <u>110,000</u>
Title and Escrow Fees	\$ <u>27,800</u>	\$ <u>10%</u>	\$ <u>30,600</u>
Total Current R/W	\$ <u>3,007,900</u>	Total Escalated R/W	\$ <u>3,308,700</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

* Anticipated Date of Right of Way Certification 2011

** Assumes \$150,000 per acre for land and \$450,000 per building

COMMENTS:

Estimate Prepared By Craig Drake
 (Print Name)

Date 6/17/2008

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY
Redemeyer Road Extension, City of Ukiah
Alternative D1

District-County-Route 01-MEN-CR
Type of Estimate Feasibility Study
KP (PM) _____
EA _____
Program Code _____

PROJECT DESCRIPTION:

Limits: North State Street on the West to Redemeyer Road on the East

Proposed Construct 36' wide roadway

Improvement (Scope): AC, AB, C&G, Storm Drain, Landscaping, One Bridge

RR Grade Crossing, Signal & Lighting

Alternative: D1

ROADWAY ITEMS	\$	4,780,000
STRUCTURE ITEMS	\$	6,943,000
SUBTOTAL CONSTRUCTION	\$	11,723,000
RIGHT OF WAY (current value)	\$	3,306,000
TOTAL PROJECT COST	\$	15,029,000

Reviewed by Kevin Ross **Date** 17-Jun-08
Project Engineer

Approved by Craig Drake **Date** 17-Jun-08
Project Manager

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route _____

KP (PM) _____
EA _____

<u>Section 4 Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Retaining Walls (See Sheet 5)	_____	_____	\$ _____	\$ _____	_____
Noise Barrier	_____	_____	\$ _____	\$ _____	_____
Barrier and Guardrails	_____	LF	\$ 50.00	\$ _____	_____
Equipment/Animal Passes	_____	_____	\$ _____	\$ _____	_____
Highway Planting	_____	_____	\$ _____	\$ _____	_____
Replacement Planting (Oaks)	_____	_____	\$ _____	\$ _____	_____
Irrigation Modification	_____	_____	\$ _____	\$ _____	_____
Landscape & Irrigation	_____	SQYD	\$ 3.75	\$ _____	_____
Facilities					
Erosion Control	1	LS	\$ 40,000.00	\$ 40,000	_____
Slope Protection	_____	_____	\$ _____	\$ _____	_____
Water Pollution Control	1	LS	\$ 90,000.00	\$ 90,000	_____
Hazardous Waste Mitigation	_____	_____	\$ _____	\$ _____	_____
RR Grade Xing	1	LS	\$ 100,000.00	\$ 100,000	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
Subtotal Specialty Items					\$ 230,000

Section 5 Traffic Items

Lighting	_____	_____	\$ _____	\$ _____	_____
Traffic Delineation Items	1	LS	\$ 20,000.00	\$ 20,000	_____
Traffic Signals	_____	_____	\$ _____	\$ _____	_____
Overhead Sign Structures	_____	_____	\$ _____	\$ _____	_____
Roadside Signs	1	LS	\$ 20,000.00	\$ 20,000	_____
Traffic Control Systems	1	LS	\$ 25,000.00	\$ 25,000	_____
Transportation Management Plan	_____	_____	\$ _____	\$ _____	_____
Traffic Signal Modifications	1	LS	\$ 140,000.00	\$ 140,000	_____
_____	_____	_____	\$ _____	\$ _____	_____
_____	_____	_____	\$ _____	\$ _____	_____
Subtotal Traffic Items					\$ 205,000
TOTAL SECTIONS 1 - 5					\$ 2,996,600

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route _____

KP (PM) _____
EA _____

II. STRUCTURE ITEMS

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	Redemeyer Road	_____	_____	
Structure Type	CIP PS Box	_____	_____	
Width (out to out)	39.50	_____	_____	
Span Lengths	465.00	_____	_____	
Total Area	18,368	_____	_____	
Footing Type (pile/spread)	Pile	_____	_____	
Cost Per Square Foot	\$ 280	_____	_____	
Total Cost	\$ 5,143,000	_____	_____	
10% Mobilization	\$ 514,300	_____	_____	
25% Contingency	\$ 1,285,800	_____	_____	
Total Cost for Structure	\$ 6,943,100	\$ _____	\$ _____	
Other	\$ _____	\$ _____	\$ _____	
		<u>SUBTOTAL STRUCTURES ITEMS</u>	\$ <u>6,943,100</u>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ _____	\$ _____	\$ _____	\$ <u>0</u>
		<u>SUBTOTAL RAILROAD ITEMS</u>	\$ <u>0</u>	
		<u>TOTAL STRUCTURES ITEMS</u>	\$ <u>6,943,100</u>	

COMMENTS:

Estimate Prepared By Kevin Ross
(Print Name)

Date 6/17/2008

NOTE: If appropriate, attach additional pages and backup.

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

01-MEN-CR
KP (PM) _____
EA _____

III. RIGHT OF WAY

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)**	\$ 3,075,200	\$ 10%	\$ 3,382,700
Utility Relocation (Agency share)	\$ _____	\$ 10%	\$ 0
Clearance/Demolition	\$ 100,000	\$ 10%	\$ 110,000
RAP (Relocation Assistance Program)	\$ 100,000	\$ 10%	\$ 110,000
Title and Escrow Fees	\$ 30,800	\$ 10%	\$ 33,900
Total Current R/W	\$ 3,306,000	Total Escalated R/W	\$ 3,636,600
CONSTRUCTION CONTRACT WORK	\$ _____	\$ 0	\$ 0

* Anticipated Date of Right of Way Certification 2011

** Assumes \$150,000 per acre for land and \$450,000 per building

COMMENTS:

Estimate Prepared By Craig Drake
(Print Name)

Date 6/17/2008