

Estimate 1-187.31

Estimated Cost:\$55,075,652.80

Contingency: 25.00%

Estimated Total: \$68,844,566.00

US 641 Caldwell/Lyon Counties
Item # 1-187.31
Preliminary Line & Grade Estimate

Base Date: 05/18/21

Spec Year: 08

Unit System: E

Work Type: ASPHALT SURFACE WITH GRADE & DRAIN

Highway Type: FEDERAL ROUTE

Urban/Rural Type: RURAL

Season: SUMMER

County: LYON

Midpoint of Latitude: 370842

Midpoint of Longitude: 880211

District: 01

Federal/State Project Number:

Estimate Type: Preliminary Line & Grade

Prepared by Marc Wirtzberger, P.E. on 05/18/21

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					

Group 0001: PAVING

0005	00018	59,730.00	TON	\$50.54	\$3,018,754.20
DRAINAGE BLANKET-TYPE II-ASPH					
0006	00001	417,598.00	TON	\$18.93	\$7,905,130.14
DGA BASE					
0007	00020	2,100.00	TON	\$18.79	\$39,459.00
TRAFFIC BOUND BASE					
0008	00100	2,227.00	TON	\$41.99	\$93,511.73
ASPHALT SEAL AGGREGATE					
0009	00103	267.00	TON	\$691.04	\$184,507.68
ASPHALT SEAL COAT					
0010	00212	24,978.00	TON	\$60.00	\$1,498,680.00
CL2 ASPH BASE 1.00D PG64-22					
0011	00214	157,656.00	TON	\$52.13	\$8,218,607.28
CL3 ASPH BASE 1.00D PG64-22					
0012	00216	45,424.00	TON	\$63.60	\$2,888,966.40
CL3 ASPH BASE 1.00D PG76-22					
0013	00221	7,069.00	TON	\$71.24	\$503,595.56
CL2 ASPH BASE 0.75D PG64-22					
0014	00301	2,307.00	TON	\$76.61	\$176,739.27
CL2 ASPH SURF 0.38D PG64-22					
0015	00309	12,489.00	TON	\$79.52	\$993,125.28
CL2 ASPH SURF 0.50D PG64-22					
0016	00326	22,489.00	TON	\$111.13	\$2,499,202.57
CL3 ASPH SURF 0.50B PG76-22					
0017	24970EC	886.00	TON	\$794.29	\$703,740.94
ASPHALT MATERIAL FOR TACK NON-TRACKING AT ONE TIME WAS TRACKLESS TACK					

Total for Group 0001:\$28,724,020.05

Group 0002: ROADWAY

0018	02230	1,789,262.00	CUYD	\$5.99	\$10,717,679.38
EMBANKMENT IN PLACE					

Total for Group 0002:\$10,717,679.38

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					

Group 0003: DRAINAGE

0021	00462 CULVERT PIPE-18 IN	2,955.00	LF	\$103.68	\$306,374.40
0023	00464 CULVERT PIPE-24 IN	4,754.00	LF	\$45.61	\$216,829.94
0024	00466 CULVERT PIPE-30 IN	1,610.00	LF	\$106.61	\$171,642.10
0025	00468 CULVERT PIPE-36 IN	1,164.00	LF	\$110.36	\$128,459.04
0026	00469 CULVERT PIPE-42 IN	862.00	LF	\$171.56	\$147,884.72
0027	00471 CULVERT PIPE-54 IN	422.00	LF	\$242.14	\$102,183.08
0028	00472 CULVERT PIPE-60 IN	97.00	LF	\$300.39	\$29,137.83
0029	01204 PIPE CULVERT HEADWALL-18 IN	44.00	EACH	\$1,070.77	\$47,113.88
0030	01208 PIPE CULVERT HEADWALL-24 IN	66.00	EACH	\$1,444.14	\$95,313.24
0031	01210 PIPE CULVERT HEADWALL-30 IN	28.00	EACH	\$1,712.18	\$47,941.04
0032	01212 PIPE CULVERT HEADWALL-36 IN	18.00	EACH	\$2,097.70	\$37,758.60
0033	01214 PIPE CULVERT HEADWALL-42 IN	10.00	EACH	\$1,910.88	\$19,108.80
0034	24026EC PIPE CULVERT HEADWALL-54 IN	4.00	EACH	\$5,812.19	\$23,248.76
0035	01220 PIPE CULVERT HEADWALL-60 IN	2.00	EACH	\$5,436.56	\$10,873.12
0036	01502 DROP BOX INLET TYPE 5A	46.00	EACH	\$7,600.00	\$349,600.00
0037	24694ED BOX CULVERT 6'x4' RCBC - 255 LF Estimated @ \$35/cubic foot of culvert opening	6,120.00	CUFT	\$35.00	\$214,200.00

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0038	24694ED BOX CULVERT 10'x6' RCBC - 141 LF Estimated @ \$35/cubic foot of culvert opening	8,460.00	CUFT	\$35.00	\$296,100.00
0039	24694ED BOX CULVERT 12'x6' RCBC - 227 LF Estimated @ \$35/cubic foot of culvert opening	16,344.00	CUFT	\$35.00	\$572,040.00
0040	24694ED BOX CULVERT 6'x6' RCBC - 228 LF Estimated @ \$35/cubic foot of culvert opening	8,208.00	CUFT	\$35.00	\$287,280.00

Total for Group 0003:\$3,103,088.55

Group 0004: BRIDGE

0041		57,309.00	SQ FT	\$160.00	\$9,169,440.00
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Bridges estimated @ \$160/square foot of bridge deck area

Total for Group 0004:\$9,169,440.00

Group 0019: DEMOBILIZATION &/OR MOBILIZATION

0019	02568 MOBILIZATION 5% of Total Cost	1.00	LS	\$2,585,711.40	\$2,585,711.40
0020	02569 DEMOBILIZATION 1.5% of Total Cost	1.00	LS	\$775,713.42	\$775,713.42

Total for Group 0019:\$3,361,424.82