

Hugo Lake Road Repair Estimate

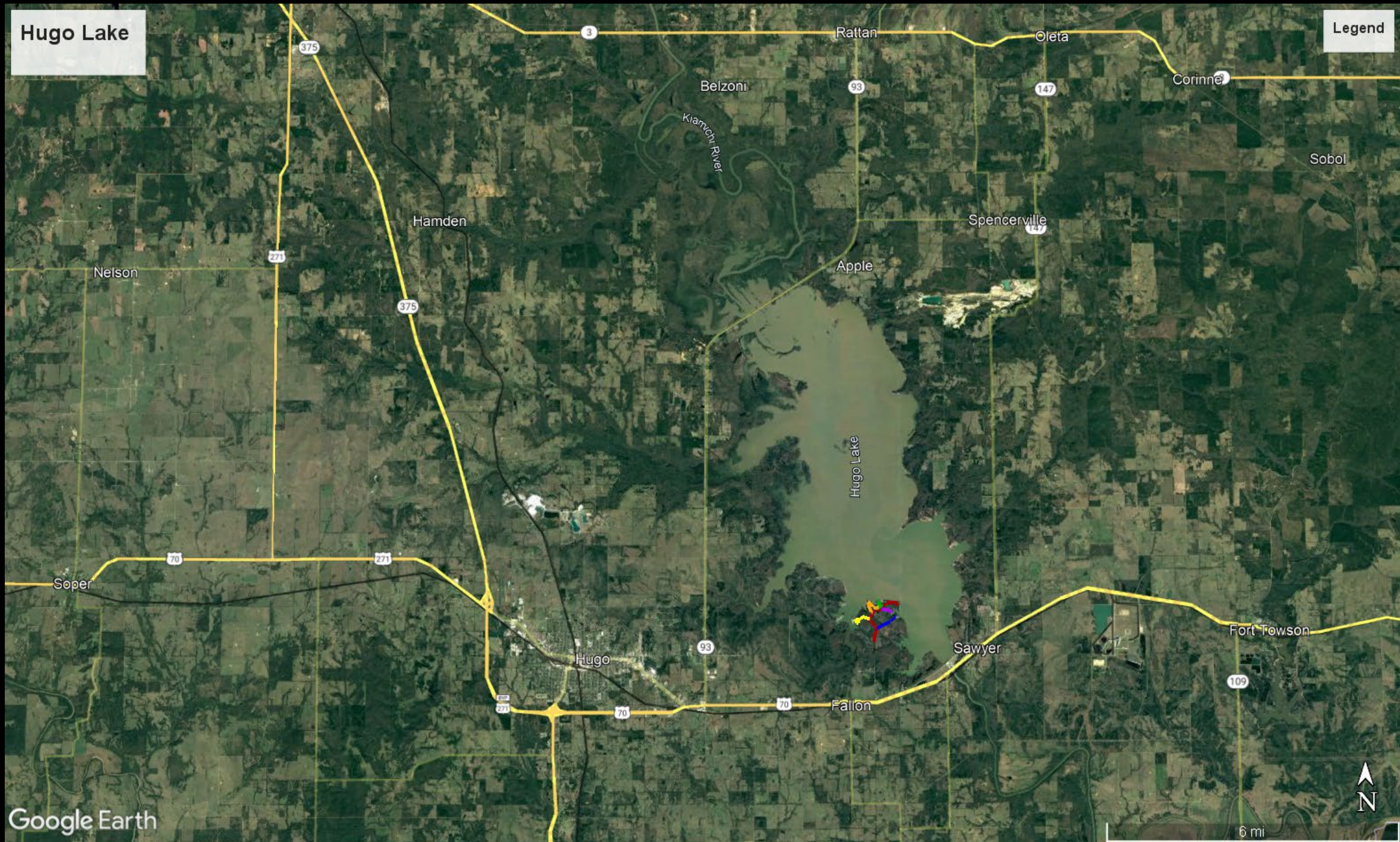
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District 2 Engineer

Hugo Lake

Legend



Hugo Lake

Legend



Google Earth

3000 ft













Hugo Lake Road Repair Estimate

road segment	Main Road	Marina Road	Boat Ramp Road	Picnic Road	Cabin Road 1	Cabin Road 2
length (mi)	1.34	0.51	0.47	0.34	0.36	0.52
width (ft)	26	24	22	22	16	16
thickness (in)	5	5	5	3	3	3
weight of mix (#/SY-in)	112	112	112	112	112	112
overlay quantity needed (ton)	5,723.05	2010.62	1698.52	737.23	567.71	820.02
unit price (\$/ton)	\$ 175.00	\$ 175.00	\$ 175.00	\$ 175.00	\$ 175.00	\$ 175.00
total asph cost (\$)	\$ 1,001,533.87	\$ 351,859.20	\$ 297,240.53	\$ 129,015.04	\$ 99,348.48	\$ 143,503.36
coldmilling (SY)	20,439.47	7,180.80	6,066.13	4,388.27	3,379.20	4,881.07
coldmilling unit price (\$/SY)	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00
total coldmilling cost (\$)	\$ 204,394.67	\$ 71,808.00	\$ 60,661.33	\$ 43,882.67	\$ 33,792.00	\$ 48,810.67
excavation of existing subbase depth (in)	\$ 24.00	\$ 24.00	\$ 24.00	\$ 24.00	\$ 12.00	\$ 12.00
excavation of existing subbase volume (CY)	13,626.31	4,787.20	4,044.09	2,925.51	1,126.40	1,627.02
excavation unit price (\$/CY)	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00
total excavation cost (\$)	\$ 272,526.22	\$ 95,744.00	\$ 80,881.78	\$ 58,510.22	\$ 22,528.00	\$ 32,540.44
aggregate base depth (in)	\$ 24.00	\$ 24.00	\$ 24.00	\$ 24.00	\$ 12.00	\$ 12.00
aggregate base volume (CY)	13,626.31	4,787.20	4,044.09	2,925.51	1,126.40	1,627.02
aggregate base unit price (\$/CY)	\$ 85.00	\$ 85.00	\$ 85.00	\$ 85.00	\$ 85.00	\$ 85.00
total aggregate base cost (\$)	\$ 1,158,236.44	\$ 406,912.00	\$ 343,747.56	\$ 248,668.44	\$ 95,744.00	\$ 138,296.89
segment total	\$ 2,636,691.20	\$ 926,323.20	\$ 782,531.20	\$ 480,076.37	\$ 251,412.48	\$ 363,151.36
segments combined total	\$ 5,440,185.81					
mobilization	\$ 250,000.00					
stormwater management/erosion control	\$ 100,000.00					
drainage structure replacement	\$ 50,000.00					
grading to drain	\$ 100,000.00					
construction items subtotal	\$ 5,940,185.81					
contingency @ 10%	\$ 594,018.58					
construction inspection @ 6%	\$ 356,411.15					
Grand Total Estimate	\$ 6,890,615.54					

Questions?