



Howard Gap: Resilience After Landslides

APPENDIX D Project Cost Estimate

Project No. **51215.01BN**
Route SR 1122 (Howard Gap Road)

DRPS

County: **Polk**

Typical Section 2- 10' lanes with Paved Shoulders
Number of Lanes 2 lanes
Drainage Type Shoulder, Concrete Ditch along LT Side

CONSTR. COST
\$14,300,000

Prepared By: TGS Engineers
Requested By: Division 14
Priced By: Karen Lovering, PE

Date
7/16/2026
7/17/2026
7/22/2026

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
0000100000-N		800	Mobilization	1	LS	\$ 449,531.05	\$ 449,531.05
0000400000-N		801	Construction Surveying	1	LS	\$ 50,000.00	\$ 50,000.00
0043000000-N		226	Grading	1	LS		
			Clearing and Grubbing (0.5 Acres)	1	Acre	\$ 100,000.00	\$ 50,000.00
			Unclassified Excavation (2,000 CY)	2,000	CY	\$ 35.00	\$ 70,000.00
			Borrow Excavation (4,700 CY)	4,700	CY	\$ 50.00	\$ 235,000.00
			Fine Grading (4,600 SY)	4,600	SY	\$ 6.00	\$ 27,600.00
			Removal of Existing Pavement (Asphalt) (4,600 SY)	4,600	SY	\$ 20.00	\$ 92,000.00
0008000000-E		200	Supplemental Clearing and Grubbing	1	Acre	\$ 10,000.00	\$ 10,000.00
0036000000-E		225	Undercut Excavation	2,000	CY	\$ 35.00	\$ 70,000.00
			Drainage				
D			Drainage Existing Location - 2-Lane, Curb Rt Side, Cinc Ditch LT Side	0.41	Miles	\$ 600,000.00	\$ 246,000.00
			Pavement (Asphalt or Concrete)				
1121000000-E		520	Aggregate Base Course	120	Tons	\$ 70.00	\$ 8,400.00
1297000000-E		607	Milling Asphalt Pavement, 1 1/2" Depth	600	SY	\$ 20.00	\$ 12,000.00
1330000000-E		607	Incidental Milling	300	SY	\$ 35.00	\$ 10,500.00
1491000000-E		610	Asphalt Type B25.0C	1,400	Tons	\$ 160.00	\$ 224,000.00
1523000000-E		610	Asphalt Type S9.5C	1,100	Tons	\$ 160.00	\$ 176,000.00
1575000000-E		620	Asphalt Binder for Plant Mix	130	Tons	\$ 1,000.00	\$ 130,000.00
P1			Subgrade Stabilization	2,500	SY	\$ 20.00	\$ 50,000.00
2484000000-E		SP	Generic Drainage Item - Horizontal Drains	14,000	LF	\$ 72.50	\$ 1,015,000.00
2535000000-E		846	8" X 12"Concrete Curb	2,100	LF	\$ 45.00	\$ 94,500.00
2619000000-E		850	4" Concrete Paved Ditch	1,300	SY	\$ 150.00	\$ 195,000.00
3030000000-E		862	Steel Beam Guardrail	1,975	LF	\$ 30.00	\$ 59,250.00
3145000000-E		862	Extra Length Guardrail Post (8' Steel)	90	EA	\$ 50.00	\$ 4,500.00
3150000000-N		862	Additional Guardrail Posts	5	EA	\$ 60.00	\$ 300.00
3287000000-N		862	Guardrail End Units, Type TL-3	2	EA	\$ 3,800.00	\$ 7,600.00
3360000000-E		863	Remove Existing Guardrail	1,814	LF	\$ 1.50	\$ 2,721.00
L			Erosion Control	1	Acres	\$ 100,000.00	\$ 100,000.00
			Signing				
S			2-Lane Two Way Traffic, Shoulder Section (L Line)	0.41	Miles	\$ 25,000.00	\$ 10,250.00

(5% - Roadway, Str & Utilities)

			<u>Traffic Control</u>				
Y			New Construction on exist. Location, (L Line) - Road Closure	0.41	Miles	\$ 175,000.00	\$ 71,750.00
PM			Paint and Pavement Markings : 2 Ln 2 Way Traffic, Shoulder Section	0.41	Miles	\$ 75,000.00	\$ 30,750.00
			<u>Walls</u>				
W			Retaining Wall # 1(603 x 19.7' (Avg Height); 25.8' Max Height); assume 3' Embedment Depth	14,000	SF	\$ 250.00	\$ 3,500,000.00
			Existing Retaining Wall Repair (per GEU) -125'x10'	1,250	SF	\$ 150.00	\$ 187,500.00
			Geotechnical Contingency for Landslide Repairs*	1	LS	\$ 2,000,000.00	\$ 2,000,000.00
			<u>Utility Construction</u>				
			Reinstall Damaged 10" PVC Water Line	1,000	LF	\$ 250.00	\$ 250,000.00
			Misc. (20% Strs & Util) Per Division				\$ 1,188,000.00
			Misc. (40% Rdy) Per Division				\$ 1,220,847.95

Lgth 0.41 Miles

	Contract Cost		\$ 11,849,000.00	\$	11,848,900.45
	E. & C. 20% (Per Division)		\$ 2,451,000.00	\$	2,369,780.09
	Construction Cost		\$ 14,300,000.00	\$	14,218,680.54

Roadway

\$ 3,053,121.00

Strs & Util

\$ 5,937,500.00

ROW & Utility by Others costs are noe included in this estimate.

Horizontal Drains

\$/LF adjusted per

*Geotechnical Recommendations are still in progress for landslide repairs. Contingency amount to account for additional slope repairs and colluvial soil stability and replacement.

Polk County has not confirmed if they want water line reconnected. Estimate assumes they do.

TOTAL PROJECTED COSTS			
Preliminary Engineering (7.0% of Construction)		\$	1,000,000.00
Right of Way Costs (Acquisition)		\$	200,000.00
Utility Costs (Dry - All Owner Costs due to Encroachment)		\$	-
Total Project Cost		\$	15,500,000.00