

**Attachment 7:**  
US 74 Flood Mitigation at the  
Lumber River - Detailed Project  
Budget Cost Estimate



**North Carolina Flood Mitigation:  
PROTECTing US 74 at the Lumber River**

Project US 74 Shoulder Hardening

County: Robeson, Columbus

Prepared By: Doug Keller, RK&K

**PROJECT COST**  
**\$2,253,364**

Line Item	Des	Sec	Description	Quantity	Unit	Price	Amount
1		200	Clearing and Grubbing	0.5	Acre	\$ 55,000.00	\$ 27,500.00
2		225	Unclassified Excavation	3,200	CY	\$ 10.00	\$ 32,000.00
<b>Shoulder Hardening</b>							
3		265	Select Granular Material, Class III	1,300	CY	\$ 30.00	\$ 39,000.00
4		270	Geotextile for Soil Stabalization	10,000	SY	\$ 2.50	\$ 25,000.00
5		SP	Flexamat (Or Approved Equal)	40,000	SF	\$ 10.00	\$ 400,000.00
<b>Pavement</b>							
6		505	Subgrade Stabilization	1,900	SY	\$ 10.00	\$ 19,000.00
7		600	Pavement (Widen/New P.S.) (Asphalt)	2,000	SY	\$ 60.00	\$ 120,000.00
8		600	Pavement (Resurfacing) (Asphalt) Ex. 2' Shoulder	400	SY	\$ 16.00	\$ 6,400.00
<b>Guardrail</b>							
9		862	Steel BM Guardrail	700	LF	\$ 18.00	\$ 12,600.00
10		862	Guardrail Anchor Units, Type TL-3	1	Each	\$ 3,200.00	\$ 3,200.00
11		862	Guardrail Anchor Units, Type TL-2	1	Each	\$ 3,000.00	\$ 3,000.00
12		862	Guardrail Anchor Units, Type CAT-1	1	Each	\$ 750.00	\$ 750.00
13		862	Guardrail Anchor Units, Type B-77	1	Each	\$ 1,850.00	\$ 1,850.00
14		SP	Impact Attenuator Unit	1	EA	\$ 18,000.00	\$ 18,000.00
15		863	Remove Existing Guardrail	1,400	LF	\$ 1.15	\$ 1,610.00
16		866	Woven Wire C/A Fence	1,400	LF	\$ 4.00	\$ 5,600.00
17		866	4" Posts (E) (C/A Fence)	117	Each	\$ 20.00	\$ 2,333.33
<b>Erosion Control</b>							
18		1660	Seeding & Mulching	1	Acres	\$ 35,000.00	\$ 35,000.00
19		1605	Silt Fence	1600	LF	\$ 4.00	\$ 6,400.00
			Misc. & Mob (45%)	1	LS	\$ 106,084.50	\$ 106,084.50

Contract Cost .....	\$ 837,827.83
E. & C. 15% .....	\$ 125,674.18
CONST. TRAFFIC MGMT (WITH CROSSOVERS) COST .....	\$ 720,000.00
<b>CONSTRUCTION COST</b> .....	<b>\$ 1,683,502.01</b>
	2022
DESIGN FEE .....	\$ 250,000.00
PLANNING FEE .....	\$ 40,000.00
	2023
<b>TOTAL COST</b> .....	<b>\$ 1,973,502.01</b>

<b>INFLATED TOTALS</b>	<b>NOTES</b>
<b>\$ 1,948,864.01</b>	3 yr inflation 5% each yr
	2025
<b>\$ 262,500.00</b>	1 yr inflation 5%
<b>\$ 42,000.00</b>	1 yr inflation 5%
	2024
<b>\$ 2,253,364.01</b>	