

**TOMBIGBEE RIVER VALLEY WATER MANAGEMENT DISTRICT
PRELIMINARY OPINION OF PROBABLE COST
TIGER GRANT APPLICATION**

PORT/RAILWAY NAME	PROJECT DESCRIPTION	PROJECT COST
RAIL IMPROVEMENTS		
ABERDEEN PORT	CONSTRUCT RAIL SPUR, SITE IMPROVEMENTS FOR PORT LOADING AND UNLOADING	\$ 6,339,118
BNSF RAILWAY	UPGRADE BRIDGES ON AMORY SUBDIVISION FOR UNRESTRICTED 286,00 LB. CAR MOVEMENTS	\$ 4,243,000
LOWNDES COUNTY PORT	CONSTRUCT RAIL SPUR	\$ 5,550,836
PORT ITAWAMBA	RAIL IMPROVEMENTS	\$ 10,391,911
YELLOW CREEK STATE INLAND PORT	NE MS INDUSTRIAL PARK C.O.B. PORT TERMINAL 3-MILE RAIL SPUR	\$ 4,104,615
YELLOW CREEK STATE INLAND PORT	RAIL REHABILITATION FOR EXISTING 10-MILE SPUR	\$ 1,951,497
PORT IMPROVEMENTS		
AMORY PORT	EXTEND PRESENT DOCK NORTH FOR ADDITIONAL FLEETING SPACE AND INSTALL A HEAVY-DUTY WINCH SYSTEM TO MOVE BARGES	\$ 10,021,205
PORT ITAWAMBA	SITE DEVELOPMENT	\$ 5,428,663
PORT ITAWAMBA	NOTCH DEVELOPMENT	\$ 1,456,644
YELLOW CREEK STATE INLAND PORT	NE MS INDUSTRIAL PARK C.O.B. PORT TERMINAL MARSHALLING YARD AND INFRASTRUCTURE	\$ 4,510,942
YELLOW CREEK STATE INLAND PORT	EXPANDED LOADING AND OFF LOADING AREA	\$ 6,909,475
SUBTOTAL (Construction, Engineering, Environmental, Utility Adjustments, & R.O.W.)		\$ 60,907,904
Contingencies (8% of Construction)		\$ 4,230,039
Project Administration		
Engineering/Project Management		\$ 615,000
Grant Administration		\$ 220,000
Direct Fiscal Management		\$ 50,000
Audit		\$ 30,000
Legal		\$ 500,000
TOTAL PROJECT COST		\$ 66,552,943

**PRELIMINARY OPINION OF PROBABLE COST
BNSF RAILROAD - AMORY SUBDIVISION
ESTIMATE TO UPGRADE BRIDGES ON AMORY SUBDIVISION FOR UNRESTRICTED 286,000 LB. CAR MOVEMENTS**

Route Segment	Bridge	Waterway Name	Project Description	Comments
Amory to Hamilton	616.8	---	Three 14' span bridge - replace ballast deck timber pile trestle with concrete and steel pile structure	Hydrology and hydraulic study complete. Proposed bridge 3-20' Concrete spans. Plans not prepared (2 weeks to prepare plans).
	618.6	---	Four 14' span bridge - replace open deck timber pile bridge with concrete and steel pile structure	Survey complete. Drainage review in process.
	624.8	Little Nichols Creek	Replace open deck ties	No survey required. Plans not prepared (2 weeks to prepare plans).
	627.4	---	Six 14' span bridge - replace ballast deck timber pile trestle with concrete and steel pile structure	Survey complete. Drainage review in process.
	628.4	Broyless Creek	Seven 14' span bridge - replace open deck timber pile bridge with concrete and steel pile structure	No hydrology and hydraulic study required. Proposed bridge 3-28' Concrete spans. Plans complete.
	629.9	---	Replace open deck ties	No survey required. Plans not prepared (2 weeks to prepare plans).
Hamilton to Columbus	641.8	---	Three 14' span bridge - replace ballast deck timber pile trestle with concrete and steel pile structure	Survey complete. Drainage review in process. Will need floodplain permits for rebuild.
	643.0	---	Three 14' span bridge - replace ballast deck timber pile trestle with concrete and steel pile structure	Survey complete. Drainage review in process.
	643.8	---	Eight 14' span bridge - replace open deck timber pile bridge with concrete and steel pile structure	Survey complete. Drainage review in process.
	643.9	---	Seven 14' span bridge - replace open deck timber pile bridge with concrete and steel pile structure	Survey complete. Drainage review in process.
	646.8	---	Three 14' span bridge - replace ballast deck timber pile trestle with concrete and steel pile structure	Survey complete. Drainage review in process.
	647.3	---	Two 14' span bridge - replace ballast deck timber pile trestle with concrete and steel pile structure	Survey complete. Drainage review in process. Will need floodplain permits for rebuild.
CONSTRUCTION COST TOTAL				\$4,043,000.00
	ENVIRONMENTAL DOCUMENT			\$200,000.00
	UTILITY ADJUSTMENTS			\$0.00
	RIGHT OF WAY ACQUISITION			\$0.00
	ENGINEERING			\$0.00
	CONSTRUCTION ADMIN			\$0.00
	TESTING			\$0.00
	SURVEYING			\$0.00
TOTAL COST ESTIMATE				\$4,243,000.00
*** All information as supplied by BNSF				

**PRELIMINARY OPINION OF PROBABLE COST
ABERDEEN PORT RAIL SPUR**

Item No.	Item	Qty.	Unit	Unit Price	Total
1	115 lb Rail	17,150	LF	\$ 165	\$2,829,750.00
2	No. 11 Turn-outs	6	EACH	\$ 125,000	\$750,000.00
3	Sub-Ballast	7,500	TONS	\$ 32	\$240,000.00
4	Borrow Excavation	60,000	CY	\$ 6	\$360,000.00
5	Drainage Structures	1	LUMP SUM	\$ 150,000	\$150,000.00
6	Port Loading/Unloading Improvements	1	LUMP SUM	\$1,000,000	\$1,000,000.00
CONSTRUCTION COST SUBTOTAL					\$5,329,750.00
		ENVIRONMENTAL-WETLANDS (7 AC. @ \$25,500/ AC)			\$178,500.00
		UTILITY ADJUSTMENTS			\$0.00
		RIGHT OF WAY ACQUISITION (12 AC. @ \$10,000/ AC)			\$120,000.00
		ENVIRONMENTAL CONSULTANT			\$18,000.00
		ENGINEERING	7.00%		\$373,082.50
		CONSTRUCTION ADMIN	4.00%		\$213,190.00
		TESTING	1.00%		\$53,297.50
		SURVEYING	1.00%		\$53,297.50
TOTAL COST ESTIMATE					\$6,339,117.50

**PRELIMINARY OPINION OF PROBABLE COST
AMORY NOTCH DEVELOPMENT**

Item No.	Item	Quantity		Procure		Install		Total Item Cost	Total Item Cost
		Value	Unit	\$/Unit	Cost	\$/Unit	Cost		
	Sheet Pile Construction								
1	Dredging								\$ 579,566.00
	Dredging & Land Disposal (350' X 125' X 12')	29,462	CY			18	530,316	530,316	
	Bank Stabilization and Rip Rap	1	ALLOW			30,000	30,000	30,000	
	Land Transportation to Haul Off Debris	1	MONTH			19,250	19,250	19,250	
2	Sheet Piling Installation								\$ 6,854,700.00
	1400 Sheet Piling 55' Long Including tie backs, whalers & caps	1,400	LF	2,500	3,500,000	2,000	2,800,000	6,300,000	
	Backfill	8,000	CY			10	80,000	80,000	
	Culvert for outlet pipes	1	ALLOW			5,000	5,000	5,000	
	Freight	7%			245,000			245,000	
	Taxes	6%			224,700			224,700	
3	Slab for Excavator (275' X 30')								\$ 601,544.00
	W12X53 H Piles 50' long	150	EACH	1,760	264,000	440	66,000	330,000	
	W14X38 Steel pile caps 275' long	3	ROWS	19,333	57,999	10,450	31,350	89,349	
	Compacted soil cement backfill (275' X 30' X 4')	1,222	CY			60	73,320	73,320	
	Concrete slab (275' X 25' X 8")	170	CY			600	102,000	102,000	
	Asphalt walkway in between sheet pile and slab (275' X 5')	1,375	SF			5	6,875	6,875	
4	Site Preparation								\$ 17,766.00
	Site clearing and grubbing	3	ACRES			5,000	15,000	15,000	
	Grading & compaction (25' X 60')	167	SY			3	501	501	
	Stripping	5	CY			5	25	25	
	Aggregate surface - 12"	56	CY	30	1,680	10	560	2,240	
5	Lighting								\$ 10,000.00
	Additional lighting along new dock	1	ALLOW			10,000	10,000	10,000	
6	Miscellaneous	1	LS					750,000.00	\$ 750,000.00
CONSTRUCTION COST SUBTOTAL									\$ 8,813,576.00
	ENVIRONMENTAL-WETLANDS								\$ 75,000.00
	UTILITY ADJUSTMENTS								\$ -
	RIGHT OF WAY ACQUISITION								\$ -
	ENVIRONMENTAL CONSULTANT								\$ 45,000.00
	ENGINEERING		7.00%						\$ 616,950.32
	CONSTRUCTION ADMIN		4.00%						\$ 352,543.04
	TESTING		1.00%						\$ 88,135.76
	SURVEYING		0.25%						\$ 30,000.00
TOTAL NOTCH PRELIMINARY COST ESTIMATE									\$ 10,021,205.12

**PRELIMINARY OPINION OF PROBABLE COST
WEST BANK PORT - RAIL SPUR
LOWNDES COUNTY PORT AUTHORITY**

ITEM NO.	DESCRIPTION	UNIT	CONCEPTUAL LAYOUT		
			QTY.	UNIT PRICE	TOTAL
1	Mobilization	LS	1	\$103,000.00	\$103,000.00
2	Removal and Disposal of brush & trees	AC	12	\$5,000.00	\$60,000.00
3	Compacted Fill	CY	60,000	\$16.50	\$990,000.00
4	Track Construction- Jointed 136 RE	TK. FT.	10,850	\$175.00	\$1,898,750.00
5	Surface and Align Track	LF	21,700	\$1.35	\$29,295.00
6	NO. 9 Turnouts with RBM Frogs- 136 RE	EACH	4	\$85,000.00	\$340,000.00
7	Rail Anchors	EACH	4,166	\$4.25	\$17,705.50
8	Mineral Aggregate, Type A Base, Grading D	TON	7,783	\$70.00	\$544,810.00
9	Fine Ballast Walkways and Roadways	SY	2,667	\$13.00	\$34,671.00
10	Precast Reinforced Grade Crossing	LF	162	\$850.00	\$137,700.00
11	Railroad Signage and Supports	LS	1	\$3,000.00	\$3,000.00
12	Bumping Post	EACH	2	\$2,500.00	\$5,000.00
13	Temporary Silt Fence (With Backing)	LF	22,559	\$2.00	\$45,118.00
14	Seeding (With Mulch)	SY	14,467	\$1.25	\$18,083.75
15	Miscellaneous	LS	1	\$ 500,000.00	\$500,000.00
CONSTRUCTION COST SUBTOTAL					\$4,727,133.25
	ENVIRONMENTAL-WETLANDS (5 ac @0.85 quality rating @ 1.57 mitigation factor @ \$30,000 per credit)				\$200,175.00
	UTILITY ADJUSTMENTS				\$0.00
	RIGHT OF WAY ACQUISITION				\$0.00
	ENVIRONMENTAL CONSULTANTS				\$9,000.00
	ENGINEERING		7.00%		\$330,899.33
	CONSTRUCTION ADMIN		4.00%		\$189,085.33
	TESTING		1.00%		\$47,271.33
	SURVEYING		1.00%		\$47,271.33
TOTAL COST ESTIMATE					\$5,550,835.57

**PRELIMINARY OPINION OF PROBABLE COST
ITAWAMBA COUNTY DEVELOPMENT COUNCIL
PAD ELEV. 1' BELOW ROAD & STORAGE AREA 3' BELOW ROAD**

Item No.	Item	Quantity	Unit	Unit Price	Amount
1	Mobilization	1	LS	\$80,000.00	\$80,000.00
2	Clearing & Grubbing	18	Ac	\$4,000.00	\$72,000.00
3	Dewatering	28	Days	\$1,000.00	\$28,000.00
3	Unclassified Excavation	22,222	CY	\$6.00	\$133,332.00
4	Muck Excavation	35,000	CY	\$8.00	\$280,000.00
7	Geotech Fabric	94444	SY	\$2.00	\$188,888.00
5	Select Borrow	442,000	CY	\$8.00	\$3,536,000.00
6	Environmental & Permitting (Corps Declassification & Muck Disposal)	1	LS	\$30,000.00	\$30,000.00
7	Drainage Infrastructure	1	LS	\$40,000.00	\$40,000.00
8	Loose Rock Riprap	300	TONS	\$50.00	\$15,000.00
9	Erosion Control- Temporary Silt Fence (Silt Fence with Backing)				
10	Erosion Control- Seeding(With Mulch)				
CONSTRUCTION COST SUBTOTAL					\$4,403,220.00
	ENVIRONMENTAL-WETLANDS				\$360,000.00
	RIGHT OF WAY ACQUISITION				\$0.00
	UTILITY ADJUSTMENTS				\$0.00
	ENVIRONMENTAL CONSULTANT				\$60,000.00
	ENGINEERING	7.00%			\$308,225.40
	CONSTRUCTION ADMIN	4.00%			\$176,128.80
	TESTING	2%			\$88,064.40
	SURVEYING	0.75%			\$33,024.15
TOTAL SITE PRELIMINARY COST ESTIMATE					\$5,428,662.75

NOTCH DEVELOPMENT PRELIMINARY COST ESTIMATE

Item No.	Item	Quantity	Unit	Unit Price	Amount
1	Mobilization	1	LS	\$200,000.00	\$200,000.00
2	Sheet Piling (at 50' Depth)	1,150	LF	\$325.00	\$373,750.00
3	Excavation Operation	75,000	CY	\$8.00	\$600,000.00
4	Dredge Operation	1,100	CY	\$20.00	\$22,000.00
5	Bank Stabilization and Landscaping	1	LS	\$20,000.00	\$20,000.00
6	Geotech Fabric	2300	SY	\$2.00	\$4,600.00
7	Loose Rock Riprap	600	TONS	\$50.00	\$30,000.00
CONSTRUCTION COST SUBTOTAL					\$1,250,350.00
	ENVIRONMENTAL-WETLANDS				\$40,000.00
	UTILITY ADJUSTMENTS				\$0.00
	RIGHT OF WAY ACQUISITION				\$0.00
	ENVIRONMENTAL CONSULTANT				\$10,000.00
	ENGINEERING	7.00%			\$87,524.50
	CONSTRUCTION ADMIN	4.00%			\$50,014.00
	TESTING	1.00%			\$12,503.50
	SURVEYING	0.50%			\$6,251.75
TOTAL NOTCH PRELIMINARY COST ESTIMATE					\$1,456,643.75

**PRELIMINARY OPINION OF PROBABLE COST
ICDC MISSISSIPPIAN RAILWAY (MSRW) IMPROVEMENTS**

Item No.	Description	Quantity	Unit	Unit Price	Total Price
1	Crossties	16000.00	ea	\$ 40.00	\$ 640,000.00
2	Labor to install	16000.00	ea	\$ 33.00	\$ 528,000.00
3	Tons 115lb Rail	1518.00	Ton	\$ 1,500.00	\$ 2,277,000.00
4	Dbl shldr tie plates	40555.00	ea	\$ 11.00	\$ 446,105.00
5	Pair Joint Bars	2030.00	Pr	\$ 110.00	\$ 223,300.00
6	Drive on Rail Anchors	27000.00	ea	\$ 4.00	\$ 108,000.00
7	Kegs Spikes	1600.00	kg	\$ 120.00	\$ 192,000.00
8	Kegs Bolts	1000.00	kg	\$ 100.00	\$ 100,000.00
9	Labor to install	39600.00	Track Ft.	\$ 35.00	\$ 1,386,000.00
10	Tons Limestone	27600.00	Ton	\$ 30.00	\$ 828,000.00
11	feet surfacing	121440.00	ft	\$ 4.00	\$ 485,760.00
12	24' Bridge stringers	106.00	ea	\$ 400.00	\$ 42,400.00
13	12' Bridge stringers	30.00	ea	\$ 200.00	\$ 6,000.00
14	Labor to install	136.00	ea	\$ 1,500.00	\$ 204,000.00
15	Add 63 piling	63.00	ea	\$ 25,000.00	\$ 1,575,000.00
16	Rock distribution @ 300 /100 T	276.00	100 ton	\$ 300.00	\$ 82,800.00
CONSTRUCTION COST SUBTOTAL					\$9,124,365.00
		ENVIRONMENTAL-WETLANDS			\$65,000.00
		UTILITY ADJUSTMENTS			\$50,000.00
		RIGHT OF WAY ACQUISITION			\$0.00
		ENVIRONMENTAL CONSULTANT			\$12,000.00
		ENGINEERING	7.00%		\$638,705.55
		CONSTRUCTION ADMIN	4.00%		\$364,974.60
		TESTING	1.00%		\$91,243.65
		SURVEYING	0.50%		\$45,621.83
TOTAL COST ESTIMATE					\$10,391,910.63

PRELIMINARY OPINION OF PROBABLE COST
Container on Barge Port Terminal Railroad Spur
Yellow Creek Inland Port Authority
Northeast Mississippi Waterway Industrial Park
Tishomingo County, MS

Item No.	Item	Estimated Quantity	Unit	Unit Price	Item Total
1	CLEARING AND GRUBBING	25.00	ACRE	\$2,500.00	\$62,500.00
	EARTHWORK				
2	Railroad grading	127,700.00	CY	\$3.50	\$446,950.00
3	Site drainage Improvements	15,000.00	CY	\$5.00	\$75,000.00
	GRANULAR MATERIAL (Crushed Limestone)				
4	Base and Subbase	45,000.00	TON	\$17.00	\$765,000.00
	RAIL LINE AND CROSSINGS				
5	Railroad Spur Track	15,000.00	TRACK FT	\$110.00	\$1,650,000.00
5	Railroad Switch	1.00	LS	\$70,000.00	\$70,000.00
6	Railroad Grade Crossing	450.00	LNFT	\$175.00	\$78,750.00
7	Railroad Bumping Post/Wheel stop	1.00	LNFT	\$2,500.00	\$2,500.00
	EROSION CONTROL/ SUBSURFACE DRAINAGE				
8	25" x 112" CMP	300.00	LNFT	\$250.00	\$75,000.00
9	36" CMP	500.00	LNFT	\$75.00	\$37,500.00
10	36" CMP	6.00	EACH	\$650.00	\$3,900.00
11	5' Storm Sewer Manhole/ Grate Inlet	5.00	EACH	\$1,750.00	\$8,750.00
12	Stone Rip-Rap	1,500.00	TON	\$20.00	\$30,000.00
13	Filter Fabric	1,500.00	SY	\$2.60	\$3,900.00
13	Erosion Control (Seeding with Mulch)	25.00	ACRE	\$3,000.00	\$75,000.00
CONSTRUCTION COST SUBTOTAL					\$3,384,750.00
	ENVIRONMENTAL-WETLANDS				\$205,000.00
	UTILITY ADJUSTMENTS				\$30,000.00
	RIGHT OF WAY ACQUISITION				\$0.00
	ENVIRONMENTAL CONSULTANT				\$11,000.00
	ENGINEERING		7.00%		\$236,932.50
	CONSTRUCTION ADMIN		4.00%		\$135,390.00
	TESTING		1.00%		\$33,847.50
	SURVEYING		2.00%		\$67,695.00
TOTAL COST ESTIMATE					\$4,104,615.00

**PRELIMINARY OPINION OF PROBABLE COST
CONTAINER ON BARGE MARSHALLING AREA AND INFRASTRUCTURE IMPROVEMENTS
Yellow Creek Inland Port Authority
Northeast Mississippi Waterway Industrial Park
Tishomingo County, MS**

Item No.	Item	Estimated Quantity	Unit	Unit Price	Item Total
EARTHWORK					
1	Removal of Top Soil	15.00	ACRE	\$3,000.00	\$45,000.00
2	Earthwork Final Grading	20,000.00	CY	\$4.00	\$80,000.00
3	Erosion Control Grading	5,000.00	CY	\$7.50	\$37,500.00
TOTAL EARTHWORK COST					\$162,500.00
MATERIALS					
1	Granular Material (Crushed Limestone)	24,200.00	TON	\$18.00	\$435,600.00
2	Paving (Initially 3")	6,000.00	TON	\$100.00	\$600,000.00
3	RIP RAP	200.00	TON	\$22.00	\$4,400.00
4	Drainage and Erosion Control	1.00	LS	\$25,000.00	\$25,000.00
TOTAL MATERIAL COST					\$1,065,000.00
INFRASTRUCTURE IMPROVEMENTS					
1	natural gas supply	14,000.00	LF	\$25.00	\$350,000.00
2	12" potable water line	7,250.00	LF	\$35.00	\$253,750.00
3	Sewer pump station	1.00	EA	\$55,000.00	\$55,000.00
4	Install 4" Site sewer force main	12,000.00	LF	\$19.00	\$228,000.00
5	Access Road	5,000.00	LF	\$250.00	\$1,250,000.00
6	Storm Sewer Culvert and Erosion Control	2,000.00	LF	\$50.00	\$100,000.00
7	Electrical Service	1.00	LS	\$400,000.00	\$400,000.00
INFRASTRUCTURE COST					\$2,636,750.00
TOTAL CONSTRUCTION COST SUBTOTAL					\$3,864,250.00
	ENVIRONMENTAL-WETLANDS				\$140,000.00
	UTILITY ADJUSTMENTS				\$0.00
	RIGHT OF WAY ACQUISITION				\$0.00
	ENVIRONMENTAL CONSULTANT				\$14,000.00
	ENGINEERING		7.00%		\$270,497.50
	CONSTRUCTION ADMIN		4.00%		\$154,570.00
	TESTING		1.00%		\$38,642.50
	SURVEYING		0.75%		\$28,981.88
TOTAL COST ESTIMATE					\$4,510,941.88

PRELIMINARY OPINION OF PROBABLE COST
Loading Facility
Yellow Creek Inland Port Authority
Tishomingo County, MS

Item No.	Item	Estimated Quantity	Unit	Unit Price	Item Total
EARTHWORK AND COFFER CELLS					
1	Clearing	9.00	ACRE	\$3,000.00	\$27,000.00
2	Earthwork (Standard)	100,000.00	CY	\$4.00	\$400,000.00
3	Earthwork (Lake Bottom)	30,000.00	CY	\$7.50	\$225,000.00
4	Earthwork (Dredge)	8,000.00	CY	\$8.00	\$64,000.00
5	Coffer Cells	9.00	EACH	\$110,000.00	\$990,000.00
TOTAL EARTHWORK COST					\$1,706,000.00
MATERIALS					
1	Granular Material (Crushed Limestone)	31,000.00	TON	\$20.00	\$620,000.00
2	Paving (Initially 3" + 2" Overlay)	5,000.00	TON	\$100.00	\$500,000.00
3	RIP RAP	3,280.00	TON	\$22.00	\$72,160.00
4	Drainage and Erosion Control	1.00	LS	\$2,500,000.00	\$2,500,000.00
5	Concrete	1,000.00	CY	\$450.00	\$450,000.00
6	Concrete Piers	1.00	LS	\$140,000.00	\$140,000.00
7	Dolphin	1.00	LS	\$30,000.00	\$30,000.00
TOTAL MATERIAL COST					\$4,312,160.00
CONSTRUCTION COST SUBTOTAL					\$6,018,160.00
	ENVIRONMENTAL-WETLANDS				\$115,000.00
	UTILITY ADJUSTMENTS				\$0.00
	RIGHT OF WAY ACQUISITION				\$0.00
	ENVIRONMENTAL CONSULTANT		0.15%		\$9,000.00
	ENGINEERING		7.00%		\$421,271.20
	CONSTRUCTION ADMIN		4.00%		\$240,726.40
	TESTING		1.00%		\$60,181.60
	SURVEYING		0.75%		\$45,136.20
TOTAL COST ESTIMATE					\$6,909,475.40

**PRELIMINARY OPINION OF PROBABLE COST
 Rail Rehabilitation for Existing 10-Mile Spur
 Yellow Creek Inland Port Authority
 Tishomingo County, MS**

Item No.	Item	Estimated Quantity	Unit	Unit Price	Item Total
1	Cross Tie Replacement 8'-6" (Standard) Length	22,000	EACH	\$71.00	\$1,562,000.00
2	Switch Tie Replacement 9' Length	6	EACH	\$118.00	\$708.00
3	Switch Tie Replacement 9.5' Length	6	EACH	\$131.00	\$786.00
4	Switch Tie Replacement 10' Length	6	EACH	\$131.00	\$786.00
5	Switch Tie Replacement 11' Length	8	EACH	\$144.00	\$1,152.00
6	Switch Tie Replacement 12' Length	6	EACH	\$158.00	\$948.00
7	Switch Tie Replacement 14.5' Length	4	EACH	\$197.00	\$788.00
8	Switch Tie Replacement 15" Length	4	EACH	\$197.00	\$788.00
9	Switch Tie Replacement 16' Length	4	EACH	\$210.00	\$840.00
10	Railroad Ballast	1,000	TONS	\$19.90	\$19,900.00
11	Timber/Asphalt Grade Crossing Renewal (Station 292+100)	1	LUMP SUM	\$8,900.00	\$8,900.00
12	Timber/Asphalt Grade Crossing Renewal (Station 367+100)	1	LUMP SUM	\$8,400.00	\$8,400.00
13	Ballast Restoration	550	STATIONS	\$55.00	\$30,250.00
14	Remove/ Reinstall Rail Fill	19	STATIONS	\$250.00	\$4,750.00
15	Track Re-Surfacing	450	LINEAR FEET	\$2.50	\$1,125.00
16	Rip Rap	1,000	TONS	\$30.00	\$30,000.00
CONSTRUCTION COST SUBTOTAL					\$1,672,121.00
	ENVIRONMENTAL-WETLANDS				\$50,000.00
	UTILITY ADJUSTMENTS				\$0.00
	RIGHT OF WAY ACQUISITION				\$0.00
	ENVIRONMENTAL CONSULTANT				\$12,000.00
	ENGINEERING		7.00%		\$117,048.47
	CONSTRUCTION ADMIN		4.00%		\$66,884.84
	TESTING		1.00%		\$16,721.21
	SURVEYING		1.00%		\$16,721.21
TOTAL COST ESTIMATE					\$1,951,496.73