UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Summary of All Roads and Projects

T.S. Contract Name: West Fork II

Construction: 111.00 sta

200 Clearing and Grubbing: 10.2 acres	$38,033.17
300 Excavation: 26000 cy Haul < 500 ft: 4500 sta-yds Haul > 500 ft: 16200 yd-mi	$207,320.45
400 Drainage: Culvert: 0.00 lf DownSpout: 160.00 lf PolyPipe: 900.00 lf	$49,256.60
500 Renovation:	$0.00
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 RoadSide Brushing:	$0.00
2300 Engineering: 0.00 sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous: (GATE FURNISHED AND INSTALL)	$8,500.00
Mobilization: Const. $5,680.00 Surf. $0.00	$5,680.00
Quarry Development:	$0.00
Total: =	$308,790.22

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities are loose cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: West Fork II
Road Number: NC-22-1 Road Name: Mainline
Road Construction: 1.47 mi 14 ft Subgrade 2 ft ditch

200 Clearing and Grubbing: 7.12 acres	$26,548.65
300 Excavation: Standard cy Haul < 500 ft: 3,000.00 sta-yds Haul > 500 ft: 12,800.00 yd-mi	$164,236.63
400 Drainage: Culvert: 0.00 lf DownSpout: 100.00 lf PolyPipe: 620.00 lf	$33,728.80
500 Renovation:	$0.00
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 RoadSide Brushing (NONE):0.00 acres	$0.00
2300 Engineering: 0.00 sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous: (GATE FURNISHED AND INSTALL)	$8,500.00
Mobilization: Const. $4,366.46 Surf. $0.00	$4,366.46
Quarry Development:	$0.00
Total:	$237,380.54

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: NC-22-1 Road Name: Mainline

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
31-45% (Avg Side Slopes): Adjustment Factor (0.2)
Windrow (Slash): Adjustment Factor (1.07)
20-40' (Avg Clearing Widths): Adjustment Factor (0.1)
Total Adjustment Factor:1.67 + 0.2 + 1.07 + 0.1 = 3.04
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.04 x Total Acres: 7.12 = $26,548.65
Subtotal: $26,548.65

Section 300 Excavation:
Excavation - Common: $2.69/cy x 15,000.00 cy = $40,350.00
Excavation - Rippable: $5.35/cy x 5,000.00 cy = $26,750.00
Embankment Placement & Compaction 306.f - Common: $0.40/cy x 15,000.00 cy = $6,000.00
Embankment Placement & Compaction 306.f - Rock: $0.39/cy x 5,000.00 cy = $1,950.00
Subgrade Compaction: 4 Sta/hr $35.36/sta. x 77.5 sta = $2,740.40
End Hauling - 100 to 500 ft: $0.21/sta-yd x 3,000.00 sta-yd = $630.00
End Hauling > 500 ft and 10 mph: $2.58/yd-mi x 6,400.00 yd-mi = $16,512.00
End Hauling > 500 ft and 20 mph: $1.29/yd-mi x 6,400.00 yd-mi = $8,256.00
End Hauling > 500 ft - Fixed Cost (CY): $3.52/cy x 17,000.00 cy = $59,840.00
Blading without ditch: $15.59/station x 77.50 stations = $1,208.23
Subtotal:$164,236.63

Section 400 Drainage:
Full Round - Poly NEW DWNSPT 18 inch 100 lf x $19.91/lf = $1,991.00
Poly Pipe NEW XDRNS 18 inch 620 lf x $51.19/lf = $31,737.80
Subtotal: $33,728.80

Section 500 Renovation:
Subtotal: $0.00

Section 700-1200 Surfacing:
Surfacing:
Subtotal: $0.00

Section 1300 Geotextiles:
Subtotal: $0.00

Section 1400 Slope Protection:
Subtotal: $0.00

Section 1800 Soil Stabilization:
Subtotal: $0.00

Section 1900 Cattleguards:
Subtotal: $0.00

Section 2100 Roadside Brushing:
Subtotal: $0.00

Section 2300 Engineering:
Subtotal: $0.00

Section 2400 Minor Concrete:
Subtotal: $0.00

Section 2500 Gabions:
Subtotal: $0.00

Section 8000 Miscellaneous:
  Steel swing-arm gate
   Lump Sum - Furnish and install 1 Lump x $8,500.00/Lump = $8,500.00
Subtotal: $8,500.00

Mobilization:
  Construction - 76.87% of total Costs = $4,366.46
  surfacing = 0% $0.00
Subtotal: $4,366.46

Quarry Development:
Subtotal: $0.00

Total: $237,380.54

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: West Fork II
Road Number: NC-22-2 Road Name: Spur
Road Construction: 0.63 mi 14 ft Subgrade 2 ft ditch

200 Clearing and Grubbing: 3.08 acres	$11,484.53
300 Excavation: Standard cy	$43,083.83
Haul < 500 ft: 1,500.00 sta-yds	
Haul > 500 ft: 3,400.00 yd-mi	
400 Drainage:	$15,527.80
Culvert: 0.00 lf	
DownSpout: 60.00 lf	
PolyPipe: 280.00 lf	
500 Renovation:	$0.00
700-1200 Surfacing:	$0.00
1300 Geotextiles:	$0.00
1400 Slope Protection:	$0.00
1800 Soil Stabilization: 0.00 acres	$0.00
1900 Cattleguards:	$0.00
2100 RoadSide Brushing (NONE):0.00 acres	$0.00
2300 Engineering: 0.00 sta.	$0.00
2400 Minor Concrete:	$0.00
2500 Gabions:	$0.00
8000 Miscellaneous:	$0.00
Mobilization: Const. $1,313.54 Surf. $0.00..................................	$1,313.54
Quarry Development:	$0.00
Total:	$71,409.69

Notes:
Quantities shown are estimates only and not pay items.
Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: NC-22-2 Road Name: Spur

Section 200 Clearing and Grubbing:
Clearing - Medium (Clearing): Adjustment Factor (1.67)
31-45% (Avg Side Slopes): Adjustment Factor (0.2)
Windrow (Slash): Adjustment Factor (1.07)
20-40' (Avg Clearing Widths): Adjustment Factor (0.1)
Total Adjustment Factor:1.67 + 0.2 + 1.07 + 0.1 = 3.04
Base Cost/Acre: $1,226.56 x Adjustment Factor: 3.04 x Total Acres: 3.08 = $11,484.53
Subtotal: $11,484.53

Section 300 Excavation:
Excavation - Common: $2.69/cy x 4,500.00 cy = $12,105.00
Excavation - Rippable: $5.35/cy x 1,500.00 cy = $8,025.00
Embankment Placement & Compaction 306.f - Common: $0.40/cy x 4,500.00 cy = $1,800.00
Embankment Placement & Compaction 306.f - Rock: $0.39/cy x 1,500.00 cy = $585.00
Subgrade Compaction: 4 Sta/hr $35.36/sta. x 33.5 sta = $1,184.56
End Hauling - 100 to 500 ft: $0.21/sta-yd x 1,500.00 sta-yd = $315.00
End Hauling > 500 ft and 10 mph: $2.58/yd-mi x 1,700.00 yd-mi = $4,386.00
End Hauling > 500 ft and 20 mph: $1.29/yd-mi x 1,700.00 yd-mi = $2,193.00
End Hauling > 500 ft - Fixed Cost (CY): $3.52/cy x 3,400.00 cy = $11,968.00
Blading without ditch: $15.59/station x 33.50 stations = $522.27
Subtotal: $43,083.83

Section 400 Drainage:

Full Round - Poly	NEW DWNSPT	18 inch 60 lf x $19.91/lf = $1,194.60
Poly Pipe	NEW XDRNS	18 inch 280 lf x $51.19/lf = $14,333.20

Subtotal: $15,527.80

Section 500 Renovation:
Subtotal: $0.00

Section 700-1200 Surfacing:
Surfacing:
Subtotal: $0.00

Section 1300 Geotextiles:
Subtotal: $0.00

Section 1400 Slope Protection:
Subtotal: $0.00

Section 1800 Soil Stabilization:
Subtotal: $0.00

Section 1900 Cattleguards:
Subtotal: $0.00

Section 2100 Roadside Brushing:
Subtotal: $0.00

Section 2300 Engineering:
Subtotal: $0.00

Section 2400 Minor Concrete:
Subtotal: $0.00

Section 2500 Gabions:
Subtotal: $0.00

Section 8000 Miscellaneous:

Subtotal: $0.00

Mobilization:

Construction - 23.13% of total Costs = $1,313.54

surfacing = 0% $0.00

Subtotal: $1,313.54

Quarry Development:

Subtotal: $0.00

Total: $71,409.69

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Mobilization Costs - Construction and Surfacing

T.S. Contract Name: West Fork II

Average Mobilization distance = 50 miles Factor = 1.00

Mobilization: Construction

Graders-all:	1 ea x	(1.00 x $558.00/ea +	0 mi x $18.75/mi)=	$558.00
Rollers & Comp:	1 ea x	(1.00 x $558.00/ea +	0 mi x $28.29/mi)=	$558.00
Excavators (Lg):	1 ea x	(1.00 x $1208.00/ea +	0 mi x $33.94/mi)=	$1,208.00
Tractors >= D8:	1 ea x	(1.00 x $1208.00/ea +	0 mi x $63.83/mi)=	$1,208.00
Dump Truck<=15cy:	2 ea x	(1.00 x $130.00/ea +	0 mi x $5.44/mi)=	$260.00
Water Truck:	1 ea x	(1.00 x $138.00/ea +	0 mi x $5.75/mi)=	$138.00

Equipment Washing: 7 ea x ($250.00) /ea = $1,750.00

Subtotal: $5,680.00

Mobilization: Surfacing

Subtotal: $0.00

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Summary of Construction Quantities

T.S. Contract Name: West Fork II

Road Number	Const	Improv	Renov	Decomm	Temp
NC-22-1	77.5				
NC-22-2	33.5				
Total Sta:	111.00				

200 Clearing and Grubbing	Clearing acres
NC-22-1	7.1
NC-22-2	3.1
Totals:	10.20

300 Excavation	Excav LCY.s	Haul sta-yds	Haul yd-mi
NC-22-1	20,000	3,000	12,800
NC-22-2	6,000	1,500	3,400
Totals:	26,000	4,500	16,200

400 Drainage

Road Number	CMP Culvert	Polypipes	Downspouts
NC-22-1	0 lf	620 lf	100 lf
NC-22-2	0 lf	280 lf	60 lf
Total Drainage:		900 lf	160 lf

Culvert Qty	Aluminized	Galvanized	Poly Pipe
12 inch	0 lf	0 lf	
18 inch	0 lf	0 lf	900 lf
24 inch	0 lf	0 lf	0 lf
30 inch	0 lf	0 lf	0 lf
36 inch	0 lf	0 lf	0 lf
42 inch	0 lf	0 lf	
48 inch	0 lf	0 lf	

Downspout Qty	Half Round	Full (poly)	Full (galv)
18 inch	0 lf	160 lf	0 lf
21 inch	0 lf		
24 inch	0 lf	0 lf	0 lf
30 inch			0 lf

500 Renovation	Blade Miles	Slide cy
Totals:	0.00	0

Continuation of Construction Quantities

Surfacing (Loose Cubic Yards)
Note: Due to slight rounding differences between total LCY vs. subtotaled LCY,
Totals shown here may not be exactly as shown in the road summaries and worksheets.

1300 Geotextiles

Totals: No Quantities

1400 Slope Protection

Totals: 0 cy

Totals: 0

1800 Soil stabilization - acres

	Dry W/O Mulch	Dry/with Mulch	Hydro Mulch
Totals:	0.00	0.00	0.00

1900 Cattleguards

Totals: No Quantities

2100 RoadSide Brushing

	acres
Totals:	0.00

2300 Engineering

	stations
Totals:	0.00

2400 Minor Concrete

Totals: No Quantities

2500 Gabions

Totals: No Quantities

8000 Miscellaneous

Steel swing-arm gate NC-22-1

Lump Sum - Furnish and install . . . . 1 Lump