

DGNO - McKinney Sub.
Office of General Director Engineering Services
Jacksonville, Florida

McKinney Sub.	Proposed track improvements on the McKinney Sub.	April 22, 2010
Estimated cost for track improvements From MP 295 to MP 325		

Description	Number	Units	Price	Cost
Construction				
Remove joint bars & crop Rail	391	Each	\$ 431.14	\$ 168,575.74
Field welds for joint eliminations	391	Each	\$ 375.00	\$ 146,625.00
Ballast	35,100	Tons	\$ 15.00	\$ 526,500.00
Surface Track	30	Mile	\$ 3,500.00	\$ 105,000.00
New Turnouts	5	Each	\$ 45,000.00	\$ 225,000.00
Labor to Install Turnouts & removal of old	5	Each	\$ 39,180.00	\$ 195,900.00
CrossTies	25,700	Each	\$ 35.00	\$ 899,500.00
Install Cross ties & removal of old ties	25,700	Each	\$ 34.64	\$ 890,248.00
Upgrade Bridges	10	Each	\$ 45,200.00	\$ 452,000.00
Miscellaneous & Contingencies	1	L.S.	\$ 72,251.26	\$ 72,251.26
Total Construction				\$3,681,600.00

Program **Surfacing** Railroad **DGNO** Year **2010**

Roadmaster **Hanson** Gen. Mgr. **Kuntz**

Details of Program

Subdivision	Surfacing		Total Miles	Ballast Total	Turnouts Surfaced
	Begin MP	End MP			
McKinney	295	325	30	15000	13
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0

Cost Estimate Currency \$US \$CDN

Administration			Internal Labor	
Labor Additive for Contract*		\$1,895.00	MofW Labor	\$22,000
Tax - Materials	8.0%	\$28,800	T&E Labor	\$11,000
Tax - Services		\$0	Labor Additive*	\$44,213
Contingency	2%	\$12,390	Totals	\$77,213
* Contract Labor Additive		1.25%	*Internal Labor Additive	133.98%

Contract Costs				
Service	Unit Cost	Quantity	Total	Vendor
Surfacing	\$3,500.00	30.0	\$105,000	
Turnouts	\$1,200.00	13	\$15,600	
Mobilization (Surfacing Program)			\$11,000	
Ballast car lease			\$20,000	
Tamper Lease			\$0	

Total Cost - Ballast	\$360,000	Total Miles Surfaced	30
Total Cost - Other	\$0	Unit Cost per Mile	\$21,063
Total Contract Costs	\$151,600	Program Total	\$631,899

Materials	Cost per unit delivered	Quantity	Total
Ballast (tons)	\$24.00	15000	\$360,000
Ballast (tons)	\$0.00	3000	\$0

Contract Surfacing % **80%** **Internal Surfacing %** **20%**

Labor Worksheet - MofW						
Activity	Pay Rate	# of Empl	Hrs/Day	Days	Total Hours	\$ Total
Track Protection	\$20.00	1	10	30	300	\$6,000
Unload Ballast Frmn	\$20.00	1	10	20	200	\$4,000
Unload Ballast Labr	\$20.00	3	10	20	600	\$12,000
Tamper Operator	\$20.00	1	8	0	0	\$0
Regulator Operator	\$20.00	1	8	0	0	\$0
Support Labor					0	\$0

Labor Worksheet - T&E						
Occupation	Pay Rate	# of Empl	Hrs/Day	Days	Total Hours	\$ Total
Locomotive Engr	\$22.00	1	10	25	250	\$5,500
Conductor	\$22.00	1	10	25	250	\$5,500

Notes:

Estimate Completed by: **DLG**

Original Estimate Date **4/6/10**

Revision # Date

Revised by:

Program **Turnouts** Railroad **DGNO** Year **2010**

Roadmaster **Hanson** Gen. Mgr. **Kuntz**

Details of Program

Install 5 ea, #10, 115# panelized turnouts to eliminate 90# turnouts

Name of Siding or Yard	Turnout Mileage	Description of Replacement
MP 295-325		

Cost Estimate Currency \$US \$CDN

Administration			Internal Labor	
Labor Additive for Contract*		\$1,031.25	MofW Labor	\$2,000
Tax - Materials	8.0%	\$23,736	T&E Labor	\$0
Tax - Services		\$0	Labor Additive*	\$2,680
Contingency	3%	\$12,259	Totals	\$4,680
* Contract Labor Additive		1.25%	*Internal Labor Additive	133.98%

Contract Costs				
Service	Unit Cost	Quantity	Total	Vendor
Installation	\$12,000.00	5	\$60,000	
Equip Rental		0	\$0	
Mobilization			\$0	
Welds	\$250.00	90	\$22,500	

Total Cost - Material	\$288,400		
Total Cost - Other	\$8,297		
Total Contract Costs	\$82,500	Program Total	\$420,903

Materials	Cost per unit delivered	Quantity	Total
Rail (tons)			\$0
Point/Stock Rail Package			\$0
Frog/Guard Rail Package			\$0
Hardware Package			\$0
Complete T/O (#10 RH UP)	\$57,680.00	3	\$173,040
Complete T/O (#10 LH UP)	\$57,680.00	2	\$115,360
Complete T/O (#10 LH UP)	\$52,427.00	0	\$0
Spikes (100lb kegs)	\$55.36		\$0
Anchors (136#)	\$1.67	0	\$0
Splice Bars (size)			\$0
Welds (115#)	\$92.19	90	\$8,297

Labor Worksheet - MofW						
Activity	Pay Rate	# of Empl	Hrs/ Day	Days	Total Hours	\$ Total
Track Protection	\$20.00	1	10	10	100	\$2,000
Distribution Foreman					0	\$0
Distribution Labor					0	\$0
Dismantle Turnouts					0	\$0
Construct Turnouts					0	\$0
Signal Support					0	\$0

Labor Worksheet - T&E						
Occupation	Pay Rate	# of Empl	Hrs/ Day	Days	Total Hours	\$ Total
Locomotive Engr					0	\$0
Conductor					0	\$0

Notes:

Estimate Completed by: **DLG** Original Estimate Date **4/6/10**

Revised by: Revision # Date

DGNO McKinney Bridge Improvements for Traffic Increases

Bridge #	Type Repair	Costs
299.00	Replace 385 deck ties	154,000
296.70	Replace 40' Structure	250,000
Various	Replace 8 culverts	48,000
	Total	<u>\$452,000</u>

DGNO - Sherman/Garland Sub.
Office of General Director Engineering Services
Jacksonville, Florida

Sherman/Garland Sub. :	Proposed track improvements on the Sherman/Garland Sub.	April 22, 2010
Estimated cost for track improvements		

Description	Number	Units	Price	Cost
Construction				
Ballast	39,900	Tons	\$ 15.00	\$ 598,500.00
Surface Track	93	Mile	\$ 3,500.00	\$ 325,500.00
New Turnouts	4	Each	\$ 45,000.00	\$ 180,000.00
Labor to Install Turnouts & removal of old	4	Each	\$ 39,180.00	\$ 156,720.00
CrossTies	91,800	Each	\$ 34.00	\$ 3,121,200.00
Install Cross ties & removal of old ties	91,800	Each	\$ 21.68	\$ 1,990,224.00
Rail Relay	17,800	T.F.	\$ 20.43	\$ 363,654.00
Miscellaneous & Contingencies	1	L.S.	\$ 134,802.00	\$ 134,802.00
Total Construction				\$6,870,600.00

Program **Surfacing** Railroad **DGNO** Year **2010**

Roadmaster **Hanson** Gen. Mgr. **Kuntz**

Details of Program

Subdivision	Surfacing		Total Miles	Ballast Total	Turnouts Surfaced
	Begin MP	End MP			
Sherman Sub-Bell	141	155	14	1400	
Garland Sub	714	755	41	4100	
Sherman Sub-Greenville	676	714	38	3800	
	0	0	0		
	0	0	0		
	0	0	0		
	0	0	0		
	0	0	0		
	0	0	0		

Cost Estimate Currency \$US \$CDN

Administration			Internal Labor		
Labor Additive for Contract*		\$6,618.75	MofW Labor		\$44,000
Tax - Materials	8.0%	\$17,856	T&E Labor		\$11,000
Tax - Services		\$0	Labor Additive*		\$73,689
Contingency	2%	\$18,117	Totals		\$128,689
* Contract Labor Additive		1.25%	*Internal Labor Additive		133.98%

Contract Costs				
Service	Unit Cost	Quantity	Total	Vendor
Surfacing	\$3,500.00	91.0	\$318,500	
Turnouts		0	\$0	
Mobilization (Surfacing Program)			\$7,000	
Ballast car lease			\$60,000	
Tamper Lease			\$144,000	

Total Cost - Ballast	\$223,200	Total Miles Surfaced	93
Total Cost - Other	\$0	Unit Cost per Mile	\$9,935
Total Contract Costs	\$529,500	Program Total	\$923,981

Materials	Cost per unit delivered	Quantity	Total
Ballast (tons)	\$24.00	9300	\$223,200
Ballast (tons)	\$10.00	0	\$0

Contract Surfacing % **80%** **Internal Surfacing %** **20%**

Labor Worksheet - MofW						
Activity	Pay Rate	# of Empl	Hrs/Day	Days	Total Hours	\$ Total
Track Protection	\$20.00	1	10	90	900	\$18,000
Unload Ballast Frmn	\$20.00	1	10	22	220	\$4,400
Unload Ballast Labr	\$20.00	3	10	20	600	\$12,000
Tamper Operator	\$20.00	1	8	30	240	\$4,800
Regulator Operator	\$20.00	1	8	30	240	\$4,800
Support Labor					0	\$0

Labor Worksheet - T&E						
Occupation	Pay Rate	# of Empl	Hrs/Day	Days	Total Hours	\$ Total
Locomotive Engr	\$22.00	1	10	25	250	\$5,500
Conductor	\$22.00	1	10	25	250	\$5,500

Notes:

Estimate Completed by: **DLG**

Original Estimate Date **4/6/10**

Revision # Date

Revised by:

Program **Turnouts** Railroad **MNAR** Year **2010**

Roadmaster **Hanson** Gen. Mgr. **Kuntz**

Details of Program

Name of Siding or Yard	Turnout Mileage	Description of Replacement
Dennsion UP Interchg	699	#10 , 115# RBM, UP Spec W/SW Ties
Dennsion UP Interchg	699	
Dennsion UP Interchg	699	
		#10 , 115# RBM, UP Spec W/SW Ties

Cost Estimate Currency \$US \$CDN

Administration			Internal Labor	
Labor Additive for Contract*		\$850.00	MofW Labor	\$2,000
Tax - Materials	8.0%	\$19,048	T&E Labor	\$0
Tax - Services		\$0	Labor Additive*	\$2,680
Contingency	3%	\$9,920	Totals	\$4,680
* Contract Labor Additive		1.25%	*Internal Labor Additive	133.98%

Contract Costs				
Service	Unit Cost	Quantity	Total	Vendor
Installation	\$12,000.00	4	\$48,000	
Equip Rental		0	\$0	
Mobilization			\$0	
Welds	\$250.00	80	\$20,000	

Total Cost - Material	\$230,720		
Total Cost - Other	\$7,375		
Total Contract Costs	\$68,000	Program Total	\$340,593

Materials	Cost per unit delivered	Quantity	Total
Rail (tons)			\$0
Point/Stock Rail Package			\$0
Frog/Guard Rail Package			\$0
Hardware Package			\$0
Complete T/O (#10 RH UP)	\$57,680.00	2	\$115,360
Complete T/O (#10 LH UP)	\$57,680.00	2	\$115,360
Complete T/O (#10 LH UP)	\$52,427.00	0	\$0
Spikes (100lb kegs)	\$55.36		\$0
Anchors (136#)	\$1.67	0	\$0
Splice Bars (size)			\$0
Welds (136#)	\$92.19	80	\$7,375

Labor Worksheet - MofW						
Activity	Pay Rate	# of Empl	Hrs/ Day	Days	Total Hours	\$ Total
Track Protection	\$20.00	1	10	10	100	\$2,000
Distribution Foreman					0	\$0
Distribution Labor					0	\$0
Dismantle Turnouts					0	\$0
Construct Turnouts					0	\$0
Signal Support					0	\$0

Labor Worksheet - T&E						
Occupation	Pay Rate	# of Empl	Hrs/ Day	Days	Total Hours	\$ Total
Locomotive Engr					0	\$0
Conductor					0	\$0

Notes:

Estimate Completed by: **DLG** Original Estimate Date **4/6/10**

Revised by: Revision # Date

Kiamichi - Asdown Sub.
Office of General Director Engineering Services
Jacksonville, Florida

Ashdown Sub.	Proposed track improvements on the Ashdown Sub.	April 22, 2010
Estimated cost for track improvements From MP 702 to MP 752		

Description	Number	Units	Price	Cost
Construction				
Extend & Rehabilitate Siding (Arkinda Siding)	4,500	L.F.	\$ 204.48	\$ 920,160.00
Relay Lead (Arco Lead)	24,288	L.F.	\$ 51.73	\$ 1,256,418.24
Ballast	59,100	Tons	\$ 15.00	\$ 886,500.00
Surface Track	50	Mile	\$ 3,500.00	\$ 175,000.00
Spot Relay track (curves)	65,164	L.F.	\$ 62.70	\$ 4,085,782.80
Rebuild Grade Crossings (57 Crossings)	1,240	T.F.	\$ 444.56	\$ 551,254.40
CrossTies	33,800	Each	\$ 35.00	\$ 1,183,000.00
Install Cross ties & removal of old ties	33,800	Each	\$ 26.35	\$ 890,630.00
Upgrade Bridges	14	Each	\$ 31,750.00	\$ 444,500.00
Miscellaneous & Contingencies	1	L.S.	\$ 207,954.56	\$ 207,954.56
Total Construction				\$10,601,200.00

Program **Rail** Railroad **KRRR** Year **2010**

Roadmaster **Kuntz** Gen. Mgr. **Long**

Details of Program

Relay existing 1920 vintage, non-controlled cool 90/40# rail with 112# or 115# CWR between Foreman AR and Ft. Townson OK, to accomodate unit trains.

Ashdown Sub 115# CWR	
Mileage	Linear Feet
Cv 702.4	4,752
Cv 705.05	1,056
Cv 706.05	1,400
709.7-711*	13,728
Cv 719.25	2,112

Ashdown Sub 115# CWR	
Mileage	Linear Feet
Cvs 720.1, 720.8	5,280
Cvs 722.3-724	17,952
Cv 725.6	4,224
Cv 729.6	4,100
750.8-751.8**	10,560

Cost Estimate Currency \$US \$CDN

Administration		Internal Labor	
Labor Additive for Contract*	\$9,095.60	MofW Labor	\$54,400
Tax - Materials 8.0%	\$219,325	T&E Labor	\$48,000
Tax - Services	\$0	Labor Additive*	\$137,196
Contingency 4%	\$148,525	Totals	\$239,596
* Contract Labor Additive 1.25%		*Internal Labor Additive 133.98%	

Contract Costs				
Service	Unit Cost	Qty	Total	Vendor
Installation	\$5.00	65,164	\$325,820	
Distribution	\$2.00	65,164	\$130,328	
Welding	\$250.00	300	\$75,000	
Labor install 112,000 rail anchors			\$84,000	
Intrack Welding-500 welds @ \$225 ea			\$112,500	

Total Cost - Rail	\$1,155,303	Total Rail (Lin. Ft.)	65,164
Total Cost - OTM	\$1,586,261	Unit Cost per Foot	\$62.70
Total Contract Costs	\$727,648	Program Total	\$4,085,753

Notes:

* 709.7-711 relay to improve service to the Valant Paper Mill and Interchange with DQE Railroad

**750/8-751/8 relay to handle unit train traffic from AshGrove Cement

*** Additional Rail Anchors to control rail movement from unit train tonnage

Materials Worksheet					
Material	Wt.	Unit	Quantity	Unit Cost	\$ Total
Rail (description)	115	ton	441.8	\$925.00	\$408,622
Rail (description)	115	ton	807.2	\$925.00	\$746,682
Spikes		keg	1,316	\$46.20	\$60,820
Tie Plugs		bndl	316	\$66.50	\$21,010
Tie Plates (5 1/2 DS)		ea	13,968	\$8.50	\$118,732
Tie Plates (5 1/2 DS)		ea	25,525	\$8.50	\$216,961
Anchors (115#)		ea	13,968	\$1.80	\$25,143
Anchors (115#)		ea	25,525	\$1.80	\$45,945
Add'l Anchors (90/40) ***		ea	112,000	\$1.80	\$201,600
Splice Bars (115-90/40)		pair	84	\$88.00	\$7,392
Splice Bars (describe)		pair			\$0
Comp Bars (describe)		pair			\$0
Comp Bars (describe)		pair			\$0
Turnouts, #10, 115# Insulated		ea	14	\$61,500.00	\$861,000
Bolts / Washers (size)		keg			\$0
Welds (115#)		ea	300	\$92.19	\$27,657
Comp Welds (Size)		ea			\$0

Spiking Pattern (per tie)	8	Ties per Mile Avg.	3,200
Anchor Pattern 1	50%	Anchor Pattern 2	50%

Labor Worksheet - MofW						
Activity	Pay Rate	# of Empl	Hrs/Day	Days	Total Hours	\$ Total
Track Protection	\$20.00	1	10	80	800	\$16,000
Distribution Frm	\$20.00	1	10	40	400	\$8,000
Distribution Labor	\$19.00	4	10	40	1600	\$30,400
					0	\$0
					0	\$0
					0	\$0

Labor Worksheet - T&E						
Occupation	Pay Rate	# of Empl	Hrs/Day	Days	Total Hours	\$ Total
Locomotive Engr	\$40.00	1	10	40	400	\$16,000
Conductor	\$40.00	2	10	40	800	\$32,000

Estimate Completed by: **DLG** Original Estimate Date **4/5/10**

Revised by: Revision #

Project **Arkinda Siding Extension** Railway **Kiamichi** Year **2010**

Track Feet to Construct **4500**

Description of Project
 Extend, relay, retie and surface existing Arkinda Siding to accommodate increased AshGrove Cement shipments, Relay SH 112# rail in 80' lengths or longer

Rail		Ties		Turnouts	
Weight	Linear Feet	Type	Quantity	Quantity	
112	14000'		4000	2	

Spike pattern	6	Spacing (inches)	21	Anchor Pattern	50%
Rail Length	80'	Ballast Depth	1.5	4 or 6 hole bars	6

14000'

Estimate CURRENCY \$US X SCDN

Materials		
Rail 115lb CWR		\$248,208
Spikes		\$9,240
Tie		\$128,000
Plates		\$68,000
Anchors		\$14,400
Splice Bars		\$13,970
Bolts		\$1,943
Washers		\$578
Sub Ballast		\$35,000
Ballast		\$52,650
Turnouts		\$90,000
Totals		\$661,989

Administration		
Labour Additive (Contractor)		\$2,296.88
State Tax	0%	\$0.00
Contingency	5%	\$44,232.29

Total Estimate

Contract Costs		
Build Grade		\$20,250
Build Track		\$112,500
Engineering		\$5,500
Relay Existing Siding		\$27,000
Install Turnouts	2 days 9250	\$18,500
Totals		\$183,750

Internal Labour		
Work Train Hours		180
Labor Cost		\$7,200.00
MW Hours		260
MW Labour Cost		\$4,720.00
Subtotal		\$11,920.00
Labour Additive*		\$15,970.42
Totals		\$27,890.42

*Labour Additive 133.98%

\$920,158	Unit Cost (ft.)	\$204.48
------------------	-----------------	-----------------

Materials	Cost per unit-delivered	Quantity	Total
Rail (tons)	\$925.00	268.33	\$248,208.33
Spikes (kegs)	\$46.20	200	\$9,240.00
Tie (each)	\$32.00	4000	\$128,000.00
Plates (each)	\$8.50	8000	\$68,000.00
Anchors (each)	\$1.80	8000	\$14,400.00
Splice Bars (pair)	\$79.83	175	\$13,970.25
Bolts (each)	\$1.85	1050	\$1,942.50
Washers (each)	\$0.55	1050	\$577.50
Sub Ballast Tons	\$14.00	2500	\$35,000.00
Ballast Tons	\$13.50	3900	\$52,650.00
Switch Ties brdft		0	\$0.00
Turnouts (each)	\$45,000.00	2	\$90,000.00

Contract Services	Cost per unit	Quantity	Total
Build Grade (track ft.)	\$4.50	4,500'	\$20,250.00
Build Track (track ft.)	\$25.00	4,500'	\$112,500.00
Engineering Lump Sum	\$5,500.00	1	\$5,500.00
Relay Existing Siding	\$4.50	6000	\$27,000.00
Install Turnouts	\$11,500.00	2	\$23,000.00

Labour Work Sheet						
Activity	Hours per Day	Hourly Rate	Total Empl.	Total Days	Total Hours	Total Cost
General						
Track Protection	10	\$18.00	1	20	200	\$3,600
Other					0	\$0
Rail Program						
Distribute Material - Foreman		\$20.00	1	10	20	\$400
Distribute Material - Labour		\$18.00	2	10	40	\$720
					0	\$0
					0	\$0
Total Mo/W Hours/Cost					260	\$4,720
Locomotive Engr.	10	\$40.00	1	6	60	\$2,400
Conductor	10	\$40.00	2	6	120	\$4,800
Total Work Train Hours/Cost					180	\$7,200

Program **Rail** Railroad **KRRR** Year **2010**

Roadmaster **Kuntz** Gen. Mgr. **Long**

Details of Program

Install 112/115# CWR Arco Lead (24,288 linear feet) 2.3 TM replacing 75 & 85# non cc rail // Contract labor. AshGrove Cement Lead.

Arko Lead 112 Lb	
Mileage	Linear Feet
Arko Lead MP755.4	24,288

Subdivision (Rail Section)	
Mileage	Linear Feet

Cost Estimate Currency \$US \$CDN

Administration			Internal Labor		
Labor Additive for Contract*	\$4,000.20		MofW Labor	\$9,800	
Tax - Materials	8.0%	\$63,643	T&E Labor	\$4,800	
Tax - Services		\$0	Labor Additive*	\$19,561	
Contingency	3%	\$38,950	Totals	\$34,161	
* Contract Labor Additive		1.25%	*Internal Labor Additive		133.98%

Contract Costs				
Service	Unit Cost	Qty	Total	Vendor
Installation	\$5.00	24,288	\$121,440	
Distribution	\$2.00	24,288	\$48,576	
Welding	\$250.00	40	\$10,000	
Mobilization (Total for Rail Program)			\$20,000	
Flash Butt In-trk welding-rehab SH Rail			\$120,000	

Total Cost - Rail	\$430,606	Total Rail (Lin. Ft.)	24,288
Total Cost - OTM	\$364,928	Unit Cost per Foot	\$51.73
Total Contract Costs	\$320,016	Program Total	\$1,256,304

Notes:

Materials Worksheet					
Material	Wt.	Unit	Quantity	Unit Cost	\$ Total
Rail (description)	115	ton	465.5	\$925.00	\$430,606
Rail (description)		ton	0.0		\$0
Spikes		keg	368	\$46.20	\$17,002
Tie Plugs		bndl	88	\$66.50	\$5,873
Tie Plates (5 1/2 DS 14")		ea	14,720	\$9.08	\$133,658
Tie Plates (describe)		ea	0		\$0
Anchors (115#)		ea	14,720	\$1.40	\$20,608
Anchors (size/type)		ea	0		\$0
Add'l Anchors (size)		ea			\$0
Splice Bars (115/112#)		pair	20	\$85.00	\$1,700
Splice Bars (describe)		pair			\$0
Comp Bars (119/112)		pair	0	\$120.00	\$0
Comp Bars (describe)		pair			\$0
Bolts / Washers (size)		keg			\$0
#10, 115# Turnouts(installed)		ea	3	#####	\$182,400
Welds (112#)		ea	40	\$92.19	\$3,688
Comp Welds (119/112#)		ea	0	\$135.00	\$0

Spiking Pattern (per tie)	6	Ties per Mile Avg.	3,200
Anchor Pattern 1	50%	Anchor Pattern 2	

Labor Worksheet - MofW						
Activity	Pay Rate	# of Empl	Hrs/Day	Days	Total Hours	\$ Total
Track Protection	\$20.00	1	10	20	200	\$4,000
Distribution Frmn	\$20.00	1	10	10	100	\$2,000
Distribution Labor	\$19.00	2	10	10	200	\$3,800
					0	\$0
					0	\$0
					0	\$0

Labor Worksheet - T&E						
Occupation	Pay Rate	# of Empl	Hrs/Day	Days	Total Hours	\$ Total
Locomotive Engr	\$40.00	1	10	4	40	\$1,600
Conductor	\$40.00	2	10	4	80	\$3,200

Estimate Completed by: **DLG** Original Estimate Date **4/5/10**
 Revised by: Revision #

Program **Ties** Railroad **KRRR** Year **2010**

Roadmaster **Kuntz** Gen. Mgr. **Long**

Details of Program

Install new cross ties Arkco Lead to Ft. Townson, 50.3 TM, 646 ties per mile average.

Delivery Instructions **Deliver by gondola by Feb**

Cost Estimate Currency \$US \$CDN

Administration			Internal Labor		
Labor Additive for Contract*		\$8,386.83	MofW Labor		\$19,000
Tax - Materials	8.0%	\$97,158	T&E Labor		\$0
Tax - Services		\$0	Labor Additive*		\$25,456
Contingency	2%	\$39,078	Totals		\$44,456
* Contract Labor Additive		1.25%	*Internal Labor Additive		133.98%

Contract Costs				
Service	Unit Cost	Qty	Total	Vendor
Installation	\$14.50	33,800	\$490,100	
Unloading	\$0.67	33,800	\$22,646	
Removal	\$4.00	33,800	\$135,200	
Mobilization (Total for Tie Program)			\$23,000	
Other (describe)			\$0	

Total Cost - Ties	\$1,126,535	Total Ties Installed	33,800
Total Cost - OTM	\$87,945	Unit Cost per Tie	\$61.38
Total Contract Costs	\$670,946	Program Total	\$2,074,505

Materials Worksheet				
Material	Unit	Quantity	Unit Cost	\$ Total
6x8x8'6" Grade	ea			\$0
6x8x8'6" IG	ea			\$0
6x8x8' Relay	ea			\$0
7x9x8'6" M10 Steel*	ea	500	\$81.15	\$40,575
7x9x8'6" IG	ea	32,500	\$32.00	\$1,040,000
7x9x10' transition ties**	ea	800	\$57.45	\$45,960
Spikes	keg	1,746	\$46.20	\$80,681
Tie Plates (6" base)	ea	0	\$9.50	\$0
Tie Plates (5 1/2" base)	ea	800	\$9.08	\$7,264
OTM (describe)	ea			\$0
OTM (describe)	ea			\$0

Spiking Pattern (per tie) **6**

Labor Worksheet - MofW						
Activity	Pay Rate	# of Emp	Hrs/Day	Days	Total Hours	\$ Total
Track Protection	\$20.00	1	10	95	950	\$19,000
Distribution Frmn					0	\$0
Distribution Labor					0	\$0
Installation Frmn					0	\$0
Installation Labor					0	\$0
					0	\$0

Labor Worksheet - T&E						
Occupation	Pay Rate	# of Emp	Hrs/Day	Days	Total Hours	\$ Total
Locomotive Engr	\$40.00	0	10	90	0	\$0
Conductor	\$40.00	0	10	90	0	\$0

Notes:

* Steel Ties to be installed on the Arco Wye Tracks to maintain gauge

**10' transition ties to be installed on 40 bridges, 10 ea approach

Estimate Completed by: **DLG** Original Estimate Date **4/5/10**

Revised by: Revision #

Program **Surfacing** Railroad **KRRR** Year **2010**

Roadmaster **Kuntz** Gen. Mgr. **Long**

Details of Program

Surfacing to support tie installations Arco Lead to Ft. Townson

Subdivision	Surfacing		Total Miles	Ballast Total	Turnouts Surfaced
	Begin MP	End MP			
Arco Lead	0	2.3	2.3	40	4
Ashdown	750	702	48	48000	14
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0

Cost Estimate Currency \$US \$CDN

Administration			Internal Labor		
Labor Additive for Contract*		\$2,660.50	MofW Labor		\$16,000
Tax - Materials	8.0%	\$57,600	T&E Labor		\$4,400
Tax - Services		\$0	Labor Additive*		\$27,332
Contingency	2%	\$20,817	Totals		\$47,732
* Contract Labor Additive		1.25%	*Internal Labor Additive		133.98%

Contract Costs				
Service	Unit Cost	Quantity	Total	Vendor
Surfacing	\$3,500.00	40.2	\$140,840	
Turnouts		18	\$0	
Mobilization (Surfacing Program)			\$7,000	
Ballast car lease			\$65,000	Herzog GPS Trains
		0	\$0	

Total Cost - Ballast	\$720,000	Total Miles Surfaced	50
Total Cost - Other	\$0	Unit Cost per Mile	\$21,106
Total Contract Costs	\$212,840	Program Total	\$1,061,649

Materials	Cost per unit delivered	Quantity	Total
Ballast (tons)	\$15.00	48000	\$720,000
Ballast (tons)	\$0.00	0	\$0

Contract Surfacing % **80%** **Internal Surfacing %** **20%**

Labor Worksheet - MofW						
Activity	Pay Rate	# of Empl	Hrs/Day	Days	Total Hours	\$ Total
Track Protection	\$20.00	1	10	40	400	\$8,000
Unload Ballast Frmn	\$20.00	1	10	10	100	\$2,000
Unload Ballast Labr	\$20.00	3	10	10	300	\$6,000
Tamper Operator	\$20.00	1	8	0	0	\$0
Regulator Operator	\$20.00	1	8	0	0	\$0
Support Labor					0	\$0

Labor Worksheet - T&E						
Occupation	Pay Rate	# of Empl	Hrs/Day	Days	Total Hours	\$ Total
Locomotive Engr	\$22.00	1	10	10	100	\$2,200
Conductor	\$22.00	1	10	10	100	\$2,200

Notes:

Estimate Completed by: **DLG**

Original Estimate Date **4/5/10**

Revision # Date

Revised by:

Program **Crossings** Railroad **KRRR** Year **2010**

Roadmaster **Kuntz** Gen. Mgr. **Long**

Xing Name	Mile	Subdivision	Xing ID	Crossing Surface	Length (Track Ft.)
Various		Ashdown		Wood	1240'

Cost Estimate Currency \$US \$CDN

Administration			Internal Labor		
Labor Additive for Contract*		\$2,455.00	MofW Labor		\$15,000
Tax - Materials	8.0%	\$22,219	T&E Labor		\$0
Tax - Services		\$0	Labor Additive*		\$20,097
Contingency	3%	\$17,355	Totals		\$35,097
* Contract Labor Additive		1.25%	*Internal Labor Additive		133.98%

Contract Costs				
Service	Unit Cost	Quantity	Total	Vendor
Crossing Const.	\$95.00	1,240	\$117,800	
Paving	\$15.00	1,240	\$18,600	
Welding	\$250.00	240	\$60,000	
Other (describe)			\$0	

Cost-Track Material	\$173,572	Total Track Feet	1,240
Cost-Crossing Mat'l	\$104,160	Unit Cost Trk Ft.	\$445
Total Contract Costs	\$196,400	Crossing Total	\$551,257

Materials Worksheet					
Material	Wt.	Unit	Quantity	Unit Cost	\$ Total
Rail (description)	115	ton	48.3	\$990.00	\$47,817
Spikes		keg	0	\$46.20	\$0
Tie Plates (5 1/2 DS 14")		ea	0	\$9.08	\$0
Anchors (115)		ea	15,500	\$1.40	\$21,700
Ballast		ton	3,000	\$13.50	\$40,500
Compromise Joints 115/90-40		pr	240	\$88.50	\$21,240
Ties - 7x9x8'6"		ea	775	\$34.00	\$26,350
5.5" double shoulder tie plates		ea	1,550	\$8.50	\$13,175
5.5" rail anchors		ea	1,550	\$1.80	\$2,790
Crossing Surface	Wood	ea	1,240	\$84.00	\$104,160
Rail Seal		Trk ft	1,240		\$0

Contract Construction Yes Paving Cost Covered No

Labor Worksheet - MofW						
Activity	Pay Rate	# of Emp	Hrs/Day	Days	Total Hours	\$ Total
Track Protection	\$20.00	1	10	60	600	\$12,000
Construct Crossing Frmn					0	\$0
Construct Crossing Labor					0	\$0
Distribute Material Frmn	\$20.00	1	10	15	150	\$3,000
Distribute Material Labor					0	\$0
Support Labor					0	\$0

Labor Worksheet - MofW						
Occupation	Pay Rate	# of Emp	Hrs/Day	Days	Total Hours	\$ Total
Locomotive Engineer					0	\$0
Conductor					0	\$0

Notes:
[Rehab 57 road crossings with new rail between MP 750 and 702. Improve service reliability and roadway ride quality.](#)

Estimate Completed by: **DLG** Original Estimate Date **4/5/10**

Revised by: Revision #

**Bridge Up Grades for Unit Train Loading
KRRR Ashdown Sub. MP 750-702**

Bridge #	Repair	Costs
706.50	Replace 196 deck ties, 3 stringers	\$114,000
708.20	Replace 10 stringers, 69 deck ties, frame bent 1	\$62,000
708.60	Replace 2 stringers	\$7,000
709.10	Replace 4 stringers, 41 deck ties	\$24,000
714.50	Replace 2 stringers, 55 deck ties	\$29,000
717.20	Replace 38 deck ties	\$15,000
721.70	Replace 8 stringers	\$7,500
725.60	Replace cap & shim, 67 deck ties, 2 headwalls, 1 post	\$54,000
727.40	Replace 42 deck ties, Post 1 pile	\$18,000
731.00	Replace 4 stringers, 1 cap	\$20,000
731.20	Replace 2 stringers	\$4,000
735.80	Repair parting lines, post 2 pile, frame bent 5	\$40,000
738.80	Frame bent 5	\$15,000
745.70	Post 5 pilings	\$10,000
	Replace drain pipes, various locations	\$25,000
	Total	<u>\$444,500</u>

CENTRAL REGION GRADE CROSSING SAFETY PROGRAM
 Office of General Director Engineering Services
 Jacksonville, Florida

CENTRAL REGION:	Proposed 286 grade crossing safety upgrades	August 6, 2010
Estimated cost for Safety upgrades		

Description	Number	Units	Price	Cost
Construction				
Purchase Sign Material	1	L.S.	\$295,000.00	\$222,026.32
Purchase grade crossing post	572	Each	52.00	29,744.00
Labor to install Grade Crossing Material	286	Each	520.00	148,720.00
Miscellaneous & Contingencies	1	L.S.	38,000.00	28,509.68
Total Construction				\$429,000.00