



Appendix C – Project Budget

Upper Midwest Transportation Hub

Iowa Department of Transportation

TIGER Grant Application:
Upper Midwest Transportation Hub - Manly, Iowa
Date: April 23, 2014

North - Improvements Upper Midwest Transportation Hub				MLP-IANR	Tiger Grant
Description: Intermodal Ramp Facility Improvements & Equipment	Units	Quantity	Unit Cost	Contribution	Contribution
Land Acquisition - North:					
Halfman Conveyance of Remaining Land for Project	Acres	104.00	\$ 31,000.00	\$ 3,224,000.00	
-Land Conveyance North - Total:				\$ 3,224,000.00	
Mobilization, Earthwork, Drainage & Pavement - North:					
Mobilization	Lump Sum	1.00	\$ 15,000.00		\$ 15,000.00
Clear and Grubbing	Lump Sum	1.00	\$ 1,000.00		\$ 1,000.00
Top Soil, Strip, Salvage and Spread (1-ft deep) Under Rail Beds	Cubic Yards	33,467.00	\$ 1.15		\$ 38,487.05
Class 10 Excavation and Borrow under Rail Beds	Cubic Yards	6,275.00	\$ 2.00		\$ 12,550.00
Granular Macadam Subgrade Stone (1.50-ft deep) Under Rail Bed	Tons	57,605.00	\$ 19.00		\$ 1,094,495.00
Base Choke Stone (6-inch deep)	Tons	16,476.00	\$ 13.00		\$ 214,188.00
Geo Grid Under Macadam Stone Subgrade	Square Feet	1,517,181.00	\$ 0.20		\$ 303,436.20
Top Soil, Strip, Salvage and Spread (1-ft deep) Under Roadway and Pavement	Cubic Yards	44,557.00	\$ 1.15		\$ 51,240.55
Class 10 Excavation and Borrow Under Roadway and Pavement	Cubic Yards	78,918.00	\$ 2.00		\$ 157,836.00
Seeding, Mulch and Fertilizer	Acres	16.00	\$ 5,300.00		\$ 84,800.00
Drainage and Storm Sewer	Lineal Feet	1,000.00	\$ 60.00		\$ 60,000.00
Drainage Tile Under Strip Tracks	Lineal Feet	11,294.00	\$ 12.00		\$ 135,528.00
Pavement Reinforced Concrete Slab Under Roadway and Pavement					\$3,979,692.00
Pavement (All other Areas) 9" PCC	Square Yard	19,275.00	\$ 31.00		\$ 597,525.00
-Mobilization, Earthwork, Drainage & Pavement - North - Total					\$ 6,745,777.80
Security, Communications & Utilities - North:					
Fencing (10'ft high w/3-strand barb wire)	Lineal Feet	7,016.00	\$ 25.00		\$ 175,400.00
Extend Electrical Power to Intermodal Site	Lump Sum	1.00	\$ 9,000.00		\$ 9,000.00
Automative Gate System	Lump Sum	1.00	\$ 100,000.00		\$ 100,000.00
Yard Lights	Lump Sum	1.00	\$ 84,000.00		\$ 84,000.00
Sanitary Septic System	Lump Sum	1.00	\$ 8,500.00		\$ 8,500.00
Potable Water Well	Lump Sum	1.00	\$ 50,000.00		\$ 50,000.00
Communication Lines	Lump Sum	1.00	\$ 2,000.00		\$ 2,000.00
Natural Gas	Lump Sum	1.00	\$ 5,500.00		\$ 5,500.00
Security System and Cameras	Lump Sum	1.00	\$ 150,000.00		\$ 150,000.00
-Security, Communications & Utilities North - Total:					\$ 584,400.00
Intermodal Equipment & Support - North:					
Yard Spotter Tractors (Autocar)	Each	5.00	\$ 81,500.00	\$ 407,500.00	
Reach Stacker -Mi-Jack Model TS-9985	Each	3.00	\$ 798,680.00	\$ 2,396,040.00	
Above Ground Fuel Storage Tank 60,000 Gallons (fuel for Reach Stacker & Spotter Fueling)	Lump Sum	1.00	\$ 50,000.00		\$ 50,000.00
-Intermodal Equipment & Support - Total				\$ 2,803,540.00	\$ 50,000.00
Track Construction & Surfacing North:					
115# RE - Bolted Rail 80-ft	Net Ton	980.00	\$ 1,000.00		\$ 980,000.00
Steel Cross Ties with Clips	Each	11,092.00	\$ 106.30		\$ 1,179,079.60
AREMA No. 10 Steel Switch Tie Package, RBM Frog, Guard Rails, Points and Stand	Each	14	\$ 45,800.00		\$ 641,200.00
Joint Bars, 115 RE, 6-hole	Pairs	640	\$ 85.00		\$ 54,400.00
Track Bolts and Washers 1" Dia x 6", Oval Head	Each	3,840	\$ 2.50		\$ 9,600.00
Concrete Crossing Panels	Lineal Feet	324.00	\$ 210.00		\$ 68,040.00
Ballast - AREMA NO. 4	Tons	24,402.00	\$ 14.00		\$ 341,628.00
Ballast - Placement (Work Train)	Trains	31.00	\$ 2,750.00	\$ 60,000.00	
Track Construction	Track Feet	22,183.00	\$ 22.00	\$ 488,026.00	
Turnout Construction	Each	14.00	\$ 8,500.00	\$ 119,000.00	
Road Crossing Place Concrete Panels	Lineal Feet	324.00	\$ 205.00	\$ 64,800.00	
Crossing Signalization	Each	1.00	\$ 250,000.00		\$ 250,000.00
Surface Track	Each	22,183.00	\$ 4.00	\$ 88,732.00	
Surface Turnouts	Each	14.00	\$ 1,000.00	\$ 14,000.00	
-Track Construction & Surfacing North - Total				\$ 834,558.00	\$ 3,523,947.60
			Sub Total	\$ 6,862,098.00	\$ 10,904,125.40
UMTH - NORTH TOTAL				UMTH - North Totals	\$ 17,766,223.40

South - Improvements Upper Midwest Transportation Hub				MT-IANR	Tiger Grant
Description: Intermodal Ramp Facility Improvements & Equipment-South	Units	Quantity	Unit Cost	Contribution	Contribution
Mobilization, Earthwork & Pavement - South:					
Mobilization	Lump Sum	1	\$ 15,000.00		\$ 15,000.00
Erosion Control and SWPPP Compliance	Lump Sum	1.00	\$ 5,000.00	\$ 5,000.00	
Construction Staking	Lump Sum	1.00	\$ 10,000.00		\$ 10,000.00
Pavement, Reinforced Concrete Slab	Square Yard	61,294.00	\$ 36.00		\$ 2,206,584.00
Granular Subbase Stone - 1-Inch Clean, 1-Foot Thickness	Tons	37,124.00	\$ 15.00		\$ 556,860.00
Storm Water Drainage (piping)	Lineal Feet	4,800	\$ 75.00		\$ 360,000.00
Storm Sewer Intakes	Each	11	\$ 1,500.00		\$ 16,500.00
-Mobilization, Earthwork & Pavement South - Total				\$ 5,000.00	\$ 3,164,944.00
Security, Communications, Fencing & Lighting - South:					
Gate House and Control Point	Lump Sum	1	\$ 75,000.00		\$ 75,000.00
Secuity System and Cameras	Lump Sum	1.00	\$ 50,000.00		\$ 50,000.00
Security Fence (north end only)	Lineal Feet	516	\$ 25.00		\$ 12,910.50
Lighting Improvments	Lump Sum	1.00	\$ 30,000.00		\$ 30,000.00
-Security, Communications, Fencing & Lighting South - Total:					\$ 167,910.50
Intermodal Equipment South:					
Yard Spotter Tractors (Autocar)	Each	3.00	\$ 81,500.00	\$ 244,500.00	
Reach Stacker -Mi-Jack Model TS-9985	Each	2.00	\$ 798,680.00	\$ 1,597,360.00	
- Intermodal Equipment South - Total				\$ 1,841,860.00	
Track Construction & Surfacing-South:					
115# RE - Bolted Rail 80-ft	Net Ton	96.00	\$ 1,000.00		\$ 96,000.00
Steel Cross Ties with Clips	Each	1,009.00	\$ 106.30		\$ 107,256.70
Joint Bars, 115 RE, 6-hole	Pairs	63	\$ 85.00		\$ 5,355.00
Track Bolts and Washers 1" Dia x 6", Oval Head	Each	378	\$ 2.50		\$ 945.00
AREMA No. 10 Steel Switch Tie Package, RBM Frog, Guard Rails, Points and Stand	Each	2	\$ 45,800.00		\$ 91,600.00
Ballast - AREMA NO. 4	Tons	2,465.00	\$ 14.00		\$ 34,510.00
Ballast - Placement (Work Train)	Each	3	\$ 2,750.00		\$ 8,250.00
Track Construction	Track Feet	2,018.00	\$ 22.00	\$ 44,396.00	
Switch Construction	Each	2.00	\$ 8,500.00	\$ 17,000.00	
Surfacing Track	Track Feet	2,018.00	\$ 4.00	\$ 8,072.00	
Surface Switches	Each	2.00	\$ 1,000.00	\$ 2,000.00	
Bumper Post	Each	1.00	\$ 5,500.00		\$ 5,500.00
- Track Construction & Surfacing Total-South				\$ 71,468.00	\$ 349,416.70
			Sub Total	\$ 1,918,328.00	\$ 3,682,271.20
UMTH - SOUTH TOTAL				UMTH - South Totals	\$ 5,600,599.20

	UMTH Investors	Tiger Grant
North & South	\$ 8,780,426.00	\$ 14,586,396.60
Total UMTH		\$ 23,366,822.60
% of Project	37.6%	62.4%