

DRAFT

City of York Redevelopment Authority
North West Triangle Initiative
Concept Design Study

Table 8.1 Estimate of Probable Construction Cost

August 2005

Work Item Description	Quantity	Unit	Unit Price	Cost
TRACKWORK				
Demolition				
Remove Track & Dispose Crossties	5450	TF	\$13.00	\$70,850
Remove Turnout	7	EA	\$6,200.00	\$43,400
Earthwork				
Light Grading and Sub-Ballast Placement	3800	TF	\$35.00	\$133,000
Track Construction				
No. 8 Turnout - Hand Thrown Switch - Panelized - New	4	EA	\$71,000.00	\$284,000
No. 8 Turnout - Hand Thrown Switch - Panelized - Storage	2	EA	\$71,000.00	\$142,000
Construct New Track (115RE Jointed)	3200	TF	\$160.00	\$512,000
Construct New Storage Track (115RE Jointed)	600	TF	\$160.00	\$96,000
Crossing Removal and Installation				
Remove Track at Crossing (N. Beaver St.) includes re-paving	170	TF	\$45.00	\$7,650
Remove Track at Crossing (N. George St.)	50	TF	\$45.00	\$2,250
Remove Track at Crossing (W. North St.)	50	TF	\$45.00	\$2,250
Remove Track at Crossing (W. Gas Ave.)	25	TF	\$45.00	\$1,125
Full Depth Crossing Installation (N. Beaver St.)	50	TF	\$400.00	\$20,000
Full Depth Crossing Installation (N. George St.)	50	TF	\$400.00	\$20,000
Signing and Pavement Markings	1	LS	\$8,000.00	\$8,000
Crossing Signals	1	LS	\$150,000.00	\$150,000
Pedestrian Crossing Gate near Br. No. 13.52	1	LS	\$95,000.00	\$95,000
Lubrication Machine for 10-degree curve	2	EA	\$10,000.00	\$20,000
BRIDGE WORK				
Bridge No. 15.60 Superstructure Replacement				
Substructure				
Abutment Modifications	2	EA	\$85,000.00	\$170,000
Pier Modifications	1	EA	\$90,000.00	\$90,000
Superstructure				
Temporary Falsework Design & Construction	2	EA	\$115,000.00	\$230,000
Two 141-ft Spans	282	TF	\$9,500.00	\$2,679,000
Track on Bridge	282	TF	\$450.00	\$126,900
Bridge No. 13.52 Conversion to Pedestrian				
Remove & Dispose Existing Deck	216	TF	\$85.00	\$18,360
Install New Pedestrian Deck (8-ft. wide)	1750	SF	\$50.00	\$87,500
ANCILLARY WORK				
Demolish and Remove Freight House (Agmark)	1	LS	\$8,000.00	\$8,000
Demolish and Remove Unloading Pits (Agmark)	1	LS	\$5,000.00	\$5,000
Demolish and Remove Abandoned Timber Trestle	1	LS	\$10,000.00	\$10,000
			Construction Subtotal	\$5,032,285.00
Notes:				
1. Given the nature of the proposed work and limited knowledge of existing site conditions, HDR has added a contingency of 20% to the total project cost. This amount may be reduced to 10% as design progresses and assumptions are refined.			7% Design Eng.	\$352,260
			0.5% Owner Review	\$25,161
			6% Const. Eng.	\$301,937
			1% Permitting	\$50,323
			20% Contingency	\$1,006,457
			TOTAL	\$6,768,423
2. Estimate does NOT include unknown cost for utility protection / relocation, right-of-way acquisition or business relocation.			APPROXIMATELY	\$6,768,000