

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	\$60.00	\$420												
Earthwork																
Excavation	40	CY	\$15.00	\$600												
Compacted Fill	60	CY	\$35.00	\$2,100												
Track Construction																
No. 8 Turnout - Hand Thrown Switch - Panelized - New	4	EA	\$60.00	\$240												
No. 8 Turnout - Hand Thrown Switch - Panelized - Storage	2	EA	\$60.00	\$120												
Construct New Track (115RE Jointed)	3200	TF	\$150.00	\$480,000												
Construct New Storage Track (115RE Jointed)	600	TF	\$150.00	\$90,000												
Crossing Removal and Installation																
Remove Track at Crossing (N. Beaver St.)	170	TF	\$190.00	\$32,300												
Remove Track at Crossing (N. George St.)	50	TF	\$190.00	\$9,500												
Remove Track at Crossing (W. North St.)	50	TF	\$190.00	\$9,500												
Remove Track at Crossing (W. Gas Ave.)	20	TF	\$190.00	\$3,800												
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												
BRIDGE WORK																
Bridge No. 15.60 Superstructure Replacement																
Substructure																
Abutment Modifications	2	EA	\$75,000.00	\$150,000												
Pier Modifications	1	EA	\$90,000.00	\$90,000												
Superstructure																
Temporary Falsework Design & Construction	2	EA	\$100,000.00	\$200,000												
Two 141-ft Spans	282	TF	\$8,500.00	\$2,397,000												
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	\$3,840,190.00												
Notes:																
<p>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.</p> <p>2. Estimate does NOT include unknown cost for utility protection / relocation, right-of-way acquisition or business relocation.</p>			<table> <tr> <td>8% Design Eng.</td> <td align="right">\$307,215</td> </tr> <tr> <td>0.5% Owner Review</td> <td align="right">\$19,201</td> </tr> <tr> <td>7% Const. Eng.</td> <td align="right">\$268,813</td> </tr> <tr> <td>1% Permitting</td> <td align="right">\$38,402</td> </tr> <tr> <td>20% Contingency</td> <td align="right">\$768,038</td> </tr> <tr> <td>TOTAL</td> <td align="right">\$5,241,859</td> </tr> </table>		8% Design Eng.	\$307,215	0.5% Owner Review	\$19,201	7% Const. Eng.	\$268,813	1% Permitting	\$38,402	20% Contingency	\$768,038	TOTAL	\$5,241,859
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