

<b>F R A M A I N W O R K S H E E T</b>		
Delaware River Partners LLC		
Project Name and Location: <b>West Side Rail Loop</b>		
Current Phase : <b>Final Design, Permitting and Ready to Procure Construction</b>		

Standard Cost Category	Unit	Quantity	Base Year Dollars		
			unit cost	Extended Cost	
<b>10</b>	<b>Guideway &amp; Track Elements</b>	<b>Linear Feet of Guideway</b>	12,000	1,702,500	<b>27,745,986</b>
10.050	Guideway: Built-up fill	Linear Feet of Guideway	650	500	325,000
10.061	Cut & Cover Guideway Soft Soils	Linear Feet of Guideway	500	750	375,000
10.062	Cut & Cover Guideway Hard Soils	Linear Feet of Guideway	850	750	637,500
10.063	Pile Supported Concrete Trestle (10' Span)	Linear Feet of Guideway	4800	3400	16,320,000
10.064	Pile Supported Concrete Trestle (60' Span)	Linear Feet of Guideway	200	6500	1,300,000
10.065	Sheetpile Bin Structure	Linear Feet of Guideway	850	2100	1,785,000
10.080	Guideway: Retained cut or fill	Linear Feet of Guideway	100	3000	300,000
10.090	Track: Direct fixation	Track Feet	5225	200	1,045,000
10.110	Track: Ballasted	Track Feet	5225	300	1,567,500
10.120	Track: Special (switches, turnouts)	Track Feet	5	85000	425,000
<b>40</b>	<b>Sitework &amp; Special Conditions</b>	<b>Linear Miles of Guideway</b>	12,000	995,000	<b>625,000</b>
40.010	Demolition, Clearing, Earthwork	Linear Miles of Guideway	5	25,000	125,000
40.020	Site Utilities	Linear Miles of Guideway	1	400,000	400,000
40.040	Environmental mitigation, e.g. wetlands, historic/archeologic, par	Linear Miles of Guideway	0	500,000	100,000
<b>51</b>	<b>Construction Subtotal (10-50)</b>	<b>Linear Miles of Guideway</b>	12,000	3,080,000	<b>28,370,986</b>
<b>80</b>	<b>Professional Services</b>			1,498,386	<b>1,498,386</b>
80.000	Planning and Concept Design			180,000	180,000
80.010	Preliminary Engineering			220,000	220,000
80.020	Final Design			145,000	145,000
80.030	Project Management for Design and Construction			250,000	250,000
80.032	Project Management Oversight Support			20,000	20,000
80.060	Legal; Permits; Review Fees by other agencies, cities, etc.			538,000	538,000
80.070	Surveys, Testing, Investigation, Inspection			40,386	40,386
80.084	Commissioning			40,000	40,000
80.090	Other			0	0
<b>81</b>	<b>Subtotal (10-80)</b>	Linear Miles of Guideway	12,000	4,762,386	<b>29,869,372</b>
<b>90</b>	<b>Unallocated Contingency</b>	10%		2,986,937	2,977,299
<b>101</b>	<b>Total Project Costs (10-100)</b>	<b>Linear Feet of Guideway</b>	12,000	2,737	<b>32,846,670</b>

Unallocated Contingency as % of Base Yr Dollars w/o Contingency  
Total Contingency as % of Base Yr Dollars w/o Contingency

**Rail Loop - Repauno Port & Rail Terminal**  
**Rail Loop Cost Estimate**

J. Osman

6/1/2021

Item	Description	Quantity	Units	Unit cost	Total cost	Subtotal
<b>Site Improvement</b>		<b>1</b>	<b>LS</b>			<b>\$20,114,250</b>
	Wetlan mitigation	0.2	AC	\$500,000	\$100,000	
	Grub & Clear	15	AC	\$8,350	\$125,250	
	Demo & Disposal	1	LS	\$100,000	\$100,000	
	Earth Fill Embankments	4,738	LF	\$500	\$2,369,000	
	Earth Fill Embankments With Ground Improvement	1,200	LF	\$1,600	\$1,920,000	
	Pile Supported Concrete Trestle/Bridge	3,400	LF	\$4,100	\$13,940,000	
	Site utilities	1	LS	\$400,000	\$400,000	
	Storm Water / Drainage	1	LS	\$1,260,000	\$1,260,000	
<b>Track Installtion</b>						<b>\$7,257,975</b>
	Grading	15	AC	\$7,500	\$112,500	
	Ballast	42,000	Ton	\$32	\$1,344,000	
	7"x9' Ties 21" on center	12,000	EA	\$80	\$960,000	
	Rail (132/140 lb)	2,200	Ton	\$920	\$2,024,000	
	#10 Switch timbers	12	EA	\$7,500	\$90,000	
	#10 Switches	5	EA	\$91,500	\$457,500	
	Signs	10	EA	\$498	\$4,975	
	Road Crossing	2	EA	\$52,500	\$105,000	
	Labor	90	Days	\$24,000	\$2,160,000	
	Sub Total					<b>\$27,372,225</b>
	Contingency 10%					\$2,737,223
	Engineering 8%					\$2,189,778
	Permits 2%					\$547,445
	<b>Total</b>					<b>\$32,846,670</b>