

CONSTRUCTION BUDGET ESTIMATE SUMMARY

Project: VA DRPT -- Amtrak ADA Platform Program
 Location: Petersburg, VA

Run Time and Date: 8/5/21 12:41 PM

Description	Qty	Unit	Overall Unit Cost	Man Hours	Labor	STS	Equipment	Permanent Material	Subcontr.	Total
Mobilization / Demob, assume at 3% of base cost (does not incl "foul" track extra cost)	1	ls	\$83,050.92	285	14,238	712	9,511	31,850	26,739	\$83,051
Demolition, site canopy, platform	1	ls	\$145,335.73	852	\$36,353	\$1,818	\$28,521	\$0	\$78,643	\$145,336
- Demo that fouls Track, assm bulk of cost, say Lab, STS, Eq - 50% add	1	ls		426	\$18,177	\$909	\$14,261	\$0	\$0	\$33,346
Erosion Control, silt fence, inlet protection	1	ls	\$42,161.89	441	\$17,752	\$888	\$3,467	\$11,055	\$9,000	\$42,162
- Er. Cntrl that fouls Track, assm 40% of cost, say Lab, STS, Eq - 50% add	1	ls		88	\$3,550	\$178	\$693	\$0	\$0	\$4,421
Site Drainage Piping, trench drains	1	ls	\$323,244.93	1,691	\$0	\$0	\$0	\$0	\$323,245	\$323,245
- Drainage that fouls Track, assm 55% of Sub cost is lab / equip, - 65% in foul zone, (assume 50% add for lab/eq (55%) of 65% of the total cost)	1	ls		550	\$0	\$0	\$0	\$0	\$57,780	\$57,780
Sitework, pavements, sidewalk, grading, seed	1	ls	\$155,250.90	199	\$7,946	\$397	\$3,195	\$8,810	\$134,902	\$155,251
- Sitework that fouls Track, assm 30% of Sub cost is lab / equip, - 15% in foul zone, (assume 50% add of 30% (lab/ equip) of 15% of the total cost)	1	ls		15	\$0	\$0	\$0	\$0	\$3,035	\$3,035
Platform Piers / Slab, railing, paint, tactile strip	18951	sf	\$112.91	7,305	\$334,066	\$16,703	\$271,914	\$857,539	\$659,428	\$2,139,652
- Pltfrm that foulsTrack, (100% in foul zone), so assm 50% add to Lab, STS, Eq 54% of Sub costs is lab/equip at 50% add for work in foul zone.	1	ls		3,652	\$167,033	\$8,352	\$135,957	\$0	\$178,046	\$489,388
Canopy, assume all new	7413	sf	\$29.20	1,200	\$61,121	\$3,056	\$9,848	\$142,464	\$0	\$216,490
- Canopy that foulsTrack, (100% in foul zone) so assm 50% add to Lab, STS, Eq, Sub cost	1	ls		600	\$30,561	\$1,528	\$4,924	\$0	\$0	\$37,013
Wheel Chair Lift Enclosure	56	sf	\$287.50	0	\$0	\$0	\$0	\$0	\$16,100	\$16,100
- WCLE that foulsTrack, assm 30% Sub Cst is Lab - 100% in foul zone - add 50% to cost	1	ls		0	\$0	\$0	\$0	\$0	\$2,415	\$2,415
Signage	14	ea	\$1,275.88	95	\$3,856	\$193	\$0	\$8,063	\$5,751	\$17,862
- Signage that foulsTrack, assm 95% in foul zone, assume 50% add to lab/ STS/ Equip. For Sub (concr base) assume 50% of Lab/Eq of the 95%	1	ls		45	\$1,831	\$92	\$0	\$0	\$1,366	\$3,289
Building Modifications	1	ls	\$51,611.83	333	\$13,508	\$675	\$100	\$33,751	\$3,577	\$51,612
Electric / Lighting	1	ls	\$233,342.41	0	\$0	\$0	\$0	\$0	\$233,342	\$233,342
- Elec. that foulsTrack, assm 55% of Sub Cst is Lab/Eq and 85% in foul zone, add 50% to these cost	1	ls		0	\$0	\$0	\$0	\$0	\$54,544	\$54,544
Total Direct Costs:				17,778	\$709,994	\$35,500	\$482,392	\$1,093,534	\$1,787,914	\$4,109,333
Indirects / Mark-ups / Fees:										
General Conditions / Proj. Mngmnt.	12.00%				\$85,199	\$4,260	\$57,887	\$131,224	\$214,550	\$493,120
Sales/Use Tax	6.00%					\$2,386	\$32,417	\$73,485	w/ above	\$108,288
P & Pymnt Bond / Insurance (% of Total Cost)	1.50%								\$91,200	\$91,200
Ovrhd & Profit (on Self Perf. work)	15.0%				\$119,279	\$6,322	\$85,904	\$194,736	\$45,862	\$452,104
Subcontractor Mark-up	6.00%								\$107,275	\$107,275
Total Project Indir. / MU / Fees:	30.47%									\$1,251,987
Sub Total:										\$5,361,320
Escalation assume for Various NTP Scenarios:										
Escalation, assm NTP 10/21, 1 yr duration or 9 months to midpt at 4% esc.	3.0%									\$160,840
Escalation, assm NTP 4/24, 1 yr duration or 3yr - 9 months to midpt at 4% esc.	15.9%									\$850,359
Escalation, assm NTP 4/26, 1 yr duration or 5yr - 9 months to midpt at 4% esc.	25.3%									\$1,357,231

Description	Qty	Unit	Overall Unit Cost	Man Hours	Labor	STS	Equipment	Permanent Material	Subcontr.	Total
Total Estimated Construction Cost on NTP 10/21:										\$5,522,159
Total Estimated Construction Cost on NTP 4/24:										\$6,211,678
Total Estimated Construction Cost on NTP 4/26:										\$6,718,551
Contingency										
Contingency on NTP 10/21	15.00%									\$828,324
Contingency on NTP 4/24	15.00%									\$931,752
Contingency on NTP 4/26	15.00%									\$1,007,783
Grand Total Construction w/ NTP 10/21:										\$6,350,483
Grand Total Construction w/ NTP 4/24:										\$7,143,430
Grand Total Construction w/ NTP 4/26:										\$7,726,334

Clarification / Assumptions:

- 1) Have assumed all work to be done on normal working hours.
- 2) No hazardous or contaminated soils or material handling or disposal has been included.
- 3) Have assumed project will be competitively bid by at least 3 contractors.
- 4) Have assumed contractor can stage equipment / trailers and park close to job site.
- 5) Wheel chair lift equipment has not been included.
- 6) Have assumed flaggers will be supplied by others.
- 7) Shoring has been included along the track (between the track and platform) but only to a depth of 5' as indicated.
- 8) Have assumed the canopy will be new construction.
- 9) Have assumed freight traffic will use track further from the station during construction allowing for fewer work stoppages to clear the track (for passenger trains only).

Potential Additional Owner costs:

Design & CM										
Design & CM Cost on NTP 10/21	16.00%									\$883,546
Design & CM Cost on NTP 4/24	16.00%									\$993,869
Design & CM Cost on NTP 4/26	16.00%									\$1,074,968
Flagging & CSX Coordination										
Flagging & CSX Coordination Cost on NTP 10/21	365 dys		\$2,266		\$827,090			\$82,709		\$909,799
Flagging & CSX Coordination Cost on NTP 4/24	365 dys		\$2,549		\$930,364			\$93,036		\$1,023,400
Flagging & CSX Coordination Cost on NTP 4/26	365 dys		\$2,757		\$1,006,281			\$100,628		\$1,106,910
Subtotal										
Sub-Total w/ NTP 10/21:										\$8,143,828
Sub-Total w/ NTP 4/24:										\$9,160,699
Sub-Total w/ NTP 4/26:										\$9,908,212
Owner Contingency										
Contingency on NTP 10/21	8.00%									\$651,506
Contingency on NTP 4/24	8.00%									\$732,856
Contingency on NTP 4/26	8.00%									\$792,657
Grand Total w/ NTP 10/21:										\$8,795,334
Grand Total w/ NTP 4/24:										\$9,893,555
Grand Total w/ NTP 4/26:										\$10,700,869