

Mount Hope Underground Variation - In ROW
Cost Estimate Details

UG Route Length (Miles) 1.11 miles
 Description: 3 cables per phase, 3 splices per vault

Item	Cost
Civil / Site Work (Duct Bank)	
Admin/Mob/De-mob by Contractor	\$405,330
Material Testing	\$175,500
Construction Staking/Survey	\$23,400
Traffic Control, Flagger & Police	\$84,000
Existing Utility Locates (potholing)	\$1,607
Trench Excavation	\$322,218
Rock Excavation (Trench)	\$960,687
Existing Utility Relocation	\$16,619
HDD	\$0
Jack & Bore	\$0
Duct Bank (9)-8" PVC & (7)-2" PVC	\$3,061,071
Grounding System	\$379,000
Temperature Monitoring System	\$81,000
Fluidized Thermal Backfill (FTB)	\$560,898
Pavement Restoration	\$0
Plating	\$248,000
Traffic Signal Loop Detection Repair	\$0
Cathodic Protection	\$14,625
Communication Handholes	\$30,044
Contaminated Soils Testing and Disposal	\$1,365,247
Thermal Couple	\$29,250
Clearing and Grubbing / Access Road	\$1,104,597
Landscaping/Restoration	\$17,833
SUBTOTAL - Civil / Site Work (Duct Bank)	\$8,880,926
Civil / Site Work (Splice Vaults)	
Splice Vaults	\$1,320,000
Rock Excavation (Vault)	\$288,000
SUBTOTAL - Civil / Site Work (Splice Vaults)	\$1,608,000
Cable (Procurement and Installation)	
(9)-345KV XLPE Cables	\$8,043,393
Installation of (9)-345KV XLPE Cables	\$1,065,127
(2) Fiber Optic Cables -Relaying	\$65,837
Splices	\$1,931,400
Terminations	\$1,153,260
Spare Parts - cable, terminations, splices, etc..	\$1,052,500
SUBTOTAL - Cable (Procurement and Installation)	\$13,311,317
Transition Stations Construction (2 Sta)	\$18,842,450
SUBTOTAL - Mt. Hope UG Variation Construction	\$42,642,693
Engineering/Permitting/CM/PM (incl Co OH)	\$9,323,686
Escalation	\$3,787,747
AFUDC	\$508,763
Contingency	\$8,740,955
TOTAL - Mt. Hope Underground Variation	\$65,003,844

Conceptual Grade estimate (-25% to + 50% accuracy band).