

TRANSMISSION ROUTING OPTIONS	Estimated Cost	Pole Types	Tree Trimmg	Easements	Feasibility	Unknowns	Comments	Comments
Route A Options - Part of Existing Route, north through Hidden Meadows, M72, & Bay St.								
A1 - Overhead Only	\$ 3.4M	wood, laminated, steel	very significant through meadows	Existing 100ft easemts in some areas New easements required including Elmwood Township	OH - moderate to difficult w/guying issues MDOT Permit for M72 & Parkway Wet areas along M72 may require special structures	Ability to obtain easemts;	OH on Bay St & Parkway (new areas vs existing areas)	Impact in Elmwood Twnship; Impact on areas where TLine had not previously existed
A2 - Overhead w/U.G. on Bay Street	\$ 5.5M	wood, laminated, steel steel risers	very significant through meadows	Existing 100ft easemts in some areas New easements required including Elmwood Township	OH - moderate to difficult w/guying issues U.G. - difficult MDOT Permit for M72 & Parkway Wet areas along M72 may require special structures	Ability to obtain easemts; Variability in U.G. costs	OH on Bay St & Parkway (new areas vs existing areas) Site conditions and location of existing urd facilities affects feasibility and cost to urd.	Impact in Elmwood Twnship; Impact on areas where TLine had not previously existed
A3 - Overhead w/U.G. on M72 and Bay Street	\$ 8.6M	wood, laminated, steel steel risers	very significant through meadows	Existing 100ft easemts in some areas New easements required including Elmwood Township	OH - moderate U.G. - difficult (possible wet areas) MDOT Permit for M72 & Parkway	Ability to obtain easemts; Variability in U.G. costs	Site conditions and location of existing urd facilities affects feasibility and cost to urd.	Impact in Elmwood Twnship; Impact on areas where TLine had not previously existed
Route B Options - Entire M72 Route and Bay Street								
B1 - Overhead Only	\$ 3.2M	wood, laminated, steel	significant along M72 in some areas	New easements required including Elmwood Township	OH - moderate to difficult (M72 hwy) w/guying issues MDOT Permit for M72 & Parkway Wet areas along M72 may require special structures	Ability to obtain easemts;	OH on Bay St & Parkway (new areas vs existing areas)	Impact in Elmwood Twnship; Impact on areas where TLine had not previously existed
B2 - Overhead w/U.G. on Bay Street	\$ 5.3M	wood, laminated, steel steel risers	significant along M72 in some areas	New easements required including Elmwood Township	OH - moderate to difficult w/guying issues U.G. - difficult MDOT Permit for M72 & Parkway Wet areas along M72 may require special structures	Ability to obtain easemts; Variability in U.G. costs	OH on Bay St & Parkway (new areas vs existing areas) Site conditions and location of existing urd facilities affects feasibility and cost to urd.	Impact in Elmwood Twnship; Impact on areas where TLine had not previously existed
B3 - U.G. entire Route B	\$ 13.0M	No transmission poles on M72 or Bay St/Parkway	none	May require easements depending on MDOT	U.G. - difficult	Ability to obtain easemts; Variability in U.G. costs	Site conditions and location of existing urd facilities affects feasibility and cost to urd.	Impact on area depending on location of U.G. trenching
Route C Options - Existing Route down Wayne St and Bay St.								
C1 - Overhead along entire route to existing Riser Pole	\$ 1.8M	wood	minimal	Existing 100ft easemts in some areas No new easements anticipated	OH - moderate MDOT Permit for Division St		OH on Bay St & Parkway (OH exists today - six poles)	
C2 - Overhead w/U.G. on Bay Street	\$ 2.8M	wood, steel risers	minimal	Existing 100ft easemts in some areas No new easements anticipated	OH - moderate U.G. - difficult MDOT Permit for Division St	Variability in U.G. costs	Site conditions and location of existing facilities affects feasibility and cost to U.G.	
C3 - Overhead w/U.G. on Bay St and Wayne St	\$ 5.6M	wood, steel risers	minimal	Existing 100ft easemts in some areas No new easements anticipated	OH - moderate U.G. - difficult MDOT Permit for Division St	Variability in U.G. costs	Site conditions and location of existing facilities affects feasibility and cost to U.G.	
C4 - Maintain and Operate Existing Line	(Maintenance Cost)	May require some pole replacements	minimal				Life expectancy limited due to current age and condition	Subject to fine and penalties for not meeting reliability standards Risk of Outage for long period of time