ROUTE DATA COMPARISON

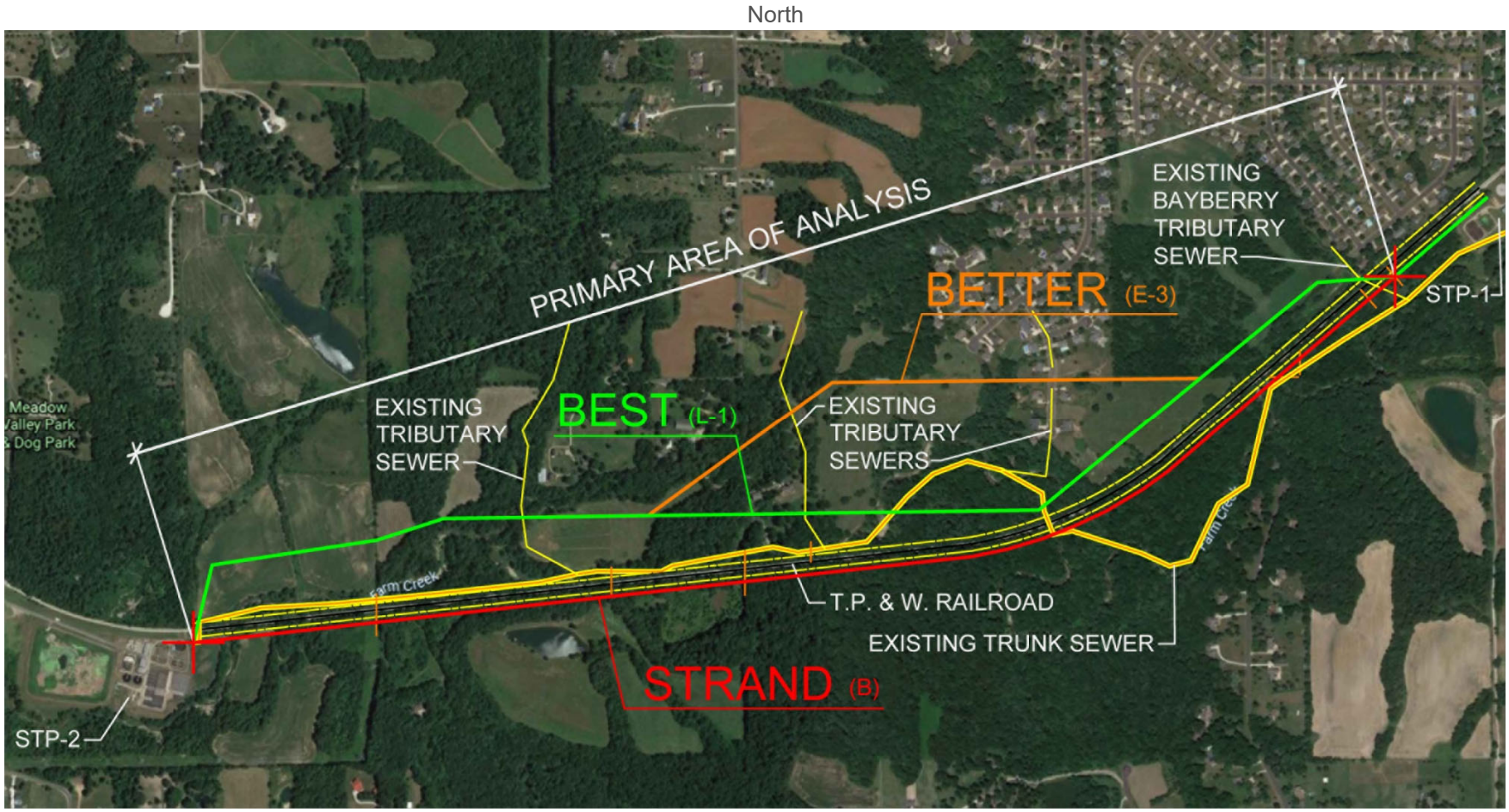
SCALE: WORST ← BETTER → BEST

City of Washington Phase 2B Trunkline Sewer Project

ROUTE DATA CATEGORY	STRAND (B)	BEST (L-1)	BEST ALT. (E-3)
1 **Total LF of Pipe Route:** (approximate)**			
- Trunk Line:	9,385	9,750	9,725
- Tributary Sewer Extensions:	1,040	520	480
- **Total:**	10,425	10,270	10,205
2 **Topography:** (based on USGS mapping) **			
- Average M.H. Depth:	22.35'	20.88'	21.20'
- Total Trenchless Const. LF (Jack & Bore):	3,270	1,200	1,610
- Total Jack & Bore Locations:	12	5	5
- Deepest M.H. (est.)	46'	37'	48'
3 **Farm Creek Crossings**	6	2	0
4 **Farm Creek Streambank Erosion Potential** (LF)	1,210	460	0
5 **Floodplain Crossings:** (approx. using FEMA maps/ GIS)**	3,300	1,900	1,310
6 **Wetland Crossings:** (approx. using NWI - USFWS + JD)**	2,200	1,000	200
7 **Open Access Corridors vs. Forest & Riparian forested waterways** (Route %)			
- Open Access Way (incl. open fields & R.O.W.s)	7% (0% R.O.W.)	61% (7% R.O.W.)	73% (21% R.O.W.)
- Forest/ Forested Riparian Waterway	93%	39%	27%
8 **TP & W RR Crossings**	3	2	2
9 **Private Properties currently using City Sewer** (Route %)	0 (0%)	2 (47%)	2 (31%)
10 **Route within City Limits** (Route %)	40%	83%	80%
11 **Private Land Owners Affected** (New)	5 (0)	6 (1)	6 (1)
12 **Constructability** (Access, Site Constraints, Delay Potential)	Difficult	Good	Decent
13 **Initial Cost (per Strand format)**	$7,823,773	$7,258,195	$7,321,953
14 **Potential to Avoid/ Defer Cost of New STP-2 Influent Pump Station valued at $3-4 M**	No (Incl. in $13.145 M cost)	Yes (Save $3-4 M in cost?)	Yes (Save $3-4 M in cost?)
15 **Long-Term Cost** (Access Path, O & M, Repair, RR Insur.)	High	Low/ Mod.-Low	Low
16 **Safety** (M.H. Depths, Farm Creek Flooding/ Corridor Access)	Difficult	Decent	Good

** Approx. 1,700 LF of est. trunk pipe route common to all routes at both E & W ends of evaluated routes not included in 'Primary Area of Analysis'

8-2-2021



Project Area Map