

Summary of Sewer Lengths

Alternative	Description	Total Gravity Sewer Length (Feet)	Total Forcemain Length (Feet)	Total Gravity Sewer Length in buffer (Feet)	Total Forcemain Length in buffer (Feet)	Percentage of Gravity Sewer in buffer	Percentage of FM in buffer
Alternative 1	Gravity + 1 PS	27,570	5,180	20,400	-	74%	0%
Alternative 2	Gravity + 2 PS	20,320	7,010	13,150	340	65%	5%
Alternative 3	Gravity + 3 PS	14,030	8,810	5,370	1,140	38%	13%
Alternative 4	Gravity + 4 PS	13,160	10,500	4,220	1,140	32%	11%
Alternative 5	Gravity + 5 PS	10,530	10,860	1,590	1,040	15%	10%

Summary of Tunnel Crossings

Alternatives	Description	No. of New Tunnels across I-270	FM in Existing Tunnel Abandoned (Yes/No)	Existing Tunnel used for New FM (Yes/No)
Alternative 1	Gravity + 1 PS	3	Yes	No
Alternative 2	Gravity + 2 PS	2	Yes	No
Alternative 3	Gravity + 3 PS	2	Yes	No
Alternative 4	Gravity + 4 PS	1	No	Yes
Alternative 5	Gravity + 5 PS	0	No	Yes

Summary of Stream Crossings

Alternatives	Description	No. of Stream Crossings	Ten Mile Creek Main Trunk Sewer	Egan North Trunk Sewer	Frederick Rd Sewer	Other
Alternative 1	Gravity + 1 PS	14	7	3	1	3
Alternative 2	Gravity + 2 PS	11	7	-	1	3
Alternative 3	Gravity + 3 PS	6	2	-	1	3
Alternative 4	Gravity + 4 PS	5	1	-	1	3
Alternative 5	Gravity + 5 PS	4	1	-	1	2

Summary of Pump Stations

Alternative	Description	Pulte PS	Egan North PS	New PS at Correctional Facility	Clarksburg Rd PS	Miles PS	Existing Correctional Facility PS in use	Total Number of Pump stations in service
Alternative 1	Gravity + 1 PS	Yes	No	No	No	No	No	1
Alternative 2	Gravity + 2 PS	Yes	Yes	No	No	No	No	2
Alternative 3	Gravity + 3 PS	Yes	Yes	Yes	No	No	No	3
Alternative 4	Gravity + 4 PS	Yes	Yes	Yes	Yes	No	No	4
Alternative 5	Gravity + 5 PS	Yes	Yes	No	Yes	Yes	Yes	5

Summary of Preliminary Cost Estimates

Alternatives	Description	Capital Cost	Long Term O&M Cost	Present Worth
Alternative 1	Gravity + 1 PS	\$ 9,111,000	\$ 435,000	\$ 9,546,000
Alternative 2	Gravity + 2 PS	\$ 7,822,000	\$ 869,000	\$ 8,691,000
Alternative 3	Gravity + 3 PS	\$ 7,294,000	\$ 1,304,000	\$ 8,598,000
Alternative 4	Gravity + 4 PS	\$ 6,974,000	\$ 1,739,000	\$ 8,713,000
Alternative 5	Gravity + 5 PS	\$ 5,579,000	\$ 2,173,000	\$ 7,752,000

