

**Justification:** The Preferred Alternative is construction of a new storm sewer as this option is the most practical, straightforward, and provides the most permanent solution.

**Part 5: Project Description**

**Project Description** Upon application approval, the City will proceed as expeditiously as possible to commission the design, bidding and construction of the new storm sewer by following the HMGP Program Administrative Guidance and requirements and the scope of work contained within this application.

*GRANITE STREET*  
50 Years

**Expected Life of Project**

<b>Supporting Documentation:</b> (Attach)	<input checked="" type="checkbox"/>	<b>Photos</b>
	<input type="checkbox"/>	<b>Engineering Studies</b>
	<input checked="" type="checkbox"/>	<b>Site Diagrams</b>

**Project Costs for Preferred Alternative**

Item	Unit Qty.	Unit Measurement	Unit Cost	Cost Estimate
Mobe/Demob	1	LS	\$5,000	\$5,000
Remove Existing Storm Sewer	410	Feet	\$25	\$10,250
Install new 18" storm sewer; 0-8 ft.	590	Feet	\$60	\$35,400
Install new 18" storm sewer; 8-10 ft.	50	Feet	\$75	\$3,750
Install new 18" storm sewer; 10-12 ft.	70	Feet	\$90	\$6,300
Install new 15" lateral sewer	100	Feet	\$50	\$5,000
Install new Catch Basins	6	Each	\$3,000	\$18,000
Install Outfall Structure	1	Each	\$10,000	\$10,000
Trench Pavement Restoration	500	SY	\$35	\$17,500
Reset Curb	60	LF	\$18	\$1,080
Concrete Sidewalk Replacement	35	SY	\$65	\$2,275
Topographic Survey and Design Engineering	1	Allowance @ 20%	\$23,000	\$23,000
Construction Phase Oversight and Inspection	1	Allowance	\$15,000	\$15,000
			Total Project Cost Estimate	\$152,555

**Summary of Project Costs**



Yes

Project Costs for Preferred Alternative

North-End Storm Sewer

Item	Unit Qty.	Unit Measurement	Unit Cost	Cost Estimate
Remove Existing Sewer	40	Feet	\$25	\$1,000
Install new 36 PVC storm sewer	40	Feet	\$95	\$3,800
Install new twin 30" PVC storm sewer	180	Feet	\$140	\$25,200
Install New Transition Structure	1	LS	\$15,000	\$15,000
Install new Catch Basins	2	Each	\$2,400	\$4,800
Install Outfall Structure	1	Each	\$10,000	\$10,000
Railroad Crossing (Open Cut)	1	Each	\$35,000	\$35,000
Pavement Replacemt	225	SY	\$35	\$7,875
Sidewalk/Curb Replacement Allowance	1	LS	\$1,000	\$1,000
Topographic Survey and Engineering Design	1	Allowance @ 25%	\$26,000	\$26,000
Construction Phase Oversight and Inspection	1	Allowance	\$25,000	\$25,000
			Total Project Cost Estimate	\$154,675

