



Citywide Undergrounding

April 2023

Timeline

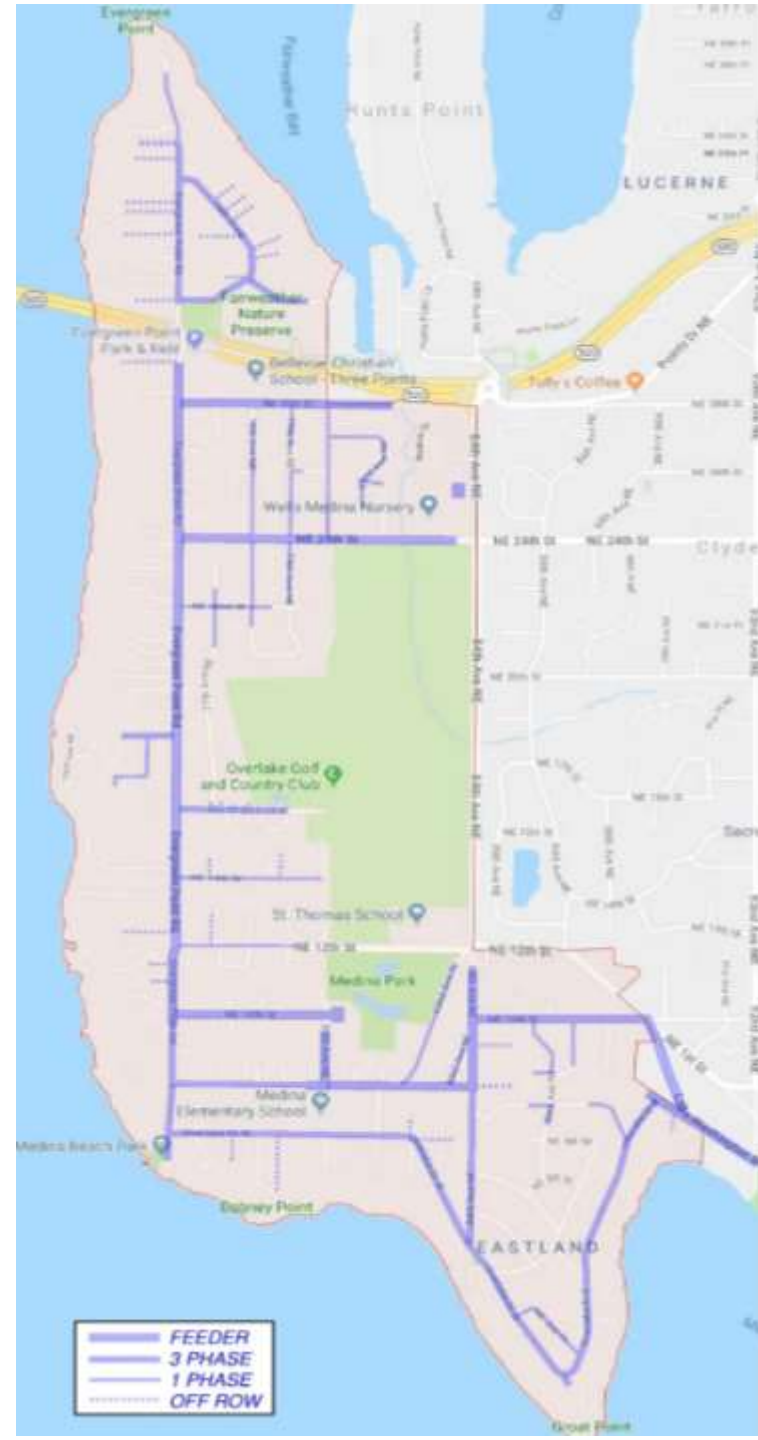
- February 26, 2018 City Council Study Session - Undergrounding Utilities
- April 23, 2018 City Council Study Session - PSE's Andy Swayne and Dennis Booth gave a brief 15 minute update for undergrounding utilities in Medina.
- June 25, 2018 City Council Study Session cancelled due to lack of business
- Topic moved to November 26, 2018 Study Session
- November 26, 2018 City Council Study Session cancelled
- October 2022 Council Retreat Action Item – Undergrounding Presentation Requested



UG Service Conversion

- Three phases @ 15 months each
- Additional undergrounding (Lumen, Comcast)
- Luminaire Conversion (128 each)
- Homeowner Service Conversions
- Additional items to consider:

- Trenching
- Surface Restoration
- Engineering
- Management
- Easements



Estimated Cost



FACILITY CONVERSION GOOD FAITH ESTIMATE DETAIL

Scope of Work

Date: 6/18/2018

To: City of Medina
501 Evergreen Point Rd,
Medina
City of Medina, WA 98039

The removal of approximately 533 poles. Convert approximately 17,780 feet of PSE's 400amp overhead feeder to underground. Convert approximately 18,380 feet of PSE's 200amp three phase overhead to underground. Convert approximately 220 feet of PSE's 200amp two phase overhead to underground. Convert approximately 27,705 feet of PSE's 200amp single phase overhead to underground. Convert approximately 5,090 feet of PSE's overhead service conductor to underground.

An approximated Total Circuit foot within the city limits is 69,880 feet.

Attn: Mike Sauerwein

Project Description: Convert PSE's distribution from overhead to underground

Location: City of Medina

PSE Project Manager: Dennis Booth 425-417-9188

Activity:	PSE Construction Cost Estimate low	PSE Construction Cost Estimate High		Change Orders
PSE Order #:	N/A	N/A	N/A	N/A
% Reimbursable:	80%	40%	100%	100%
PSE Materials	\$5,144,468.00	\$7,459,478.60	\$2,512,779.86	PSE Excavation 100% City Cost
PSE Construction Labor Line Work:	\$ 7,716,702.00	\$11,189,217.90		
PSE Project Management	\$ 1,714,823.00	\$2,486,493.35		
PSE Duct and Vault	\$ 2,902,637.39	\$4,208,824.22		
PSE Design Cost	\$ 50,000.00	\$72,500.00		
PSE Overheads	\$ 3,155,153.47	\$4,574,972.53		
Federal Income Tax	\$2,215,233.25	\$3,212,088.21	\$269,118.72	\$0.00
Total Actual Costs:	\$22,899,017.11	\$33,203,574.81	\$2,781,898.58	Total
				40% City Cost
			Low Range Estimate	\$25,680,915.69
			High Range Estimate	\$35,985,473.39

2018 Estimate \$14,400,000 x 30% (current 2023)

\$18,720,000

JUT, Surface Restoration & Traffic Control

\$17,500.000

Luminaire Conversion

\$ 768,000

Design Engineering & Construction Management (6%)

\$ 2,100,000

ESTIMATED COST

\$39,088,000

A vertical photograph featuring a red and white striped traffic cone in the foreground. The cone is positioned on the left side of the frame, with its base resting on a dark, reflective surface. The background is a soft, out-of-focus scene of a sunset or sunrise over a body of water, with warm orange and yellow light dominating the upper half of the image. The overall composition is minimalist and uses a shallow depth of field to emphasize the cone.

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S/N	Accession Number & Other Data (U.S. Dollar)	Lot Number	Vessel Name & Location	Type & Size Equipment (in cubic)	Weight Primary (kilograms)		Transportation & Storage (in kilograms)	JMS/2017 INFORMATION Form: Complete
					U.S. (LBS/KG) (Net WT)	U.S. (LBS/KG) (Gross WT)		
981	975-31-26-1 27.4	228802 103500	42"X48"X10" Unbranded MINIPLATE PER STD 8888-1010	20000 Metal 42X1000 DETAILS IN SECONDARY COMPONENTS LOGS HANDLE - 100" JUNCTION AND 1000000 JUNCTION 100" JUNCTION AND 1000000	1	3		
982	975-31-26-1 27.4	228801 103400	42"X48"X10" Unbranded MINIPLATE PER STD 8888-1010	20000 Metal 42X1000 DETAILS IN SECONDARY COMPONENTS LOGS HANDLE - 100" JUNCTION AND 1000000 JUNCTION 100" JUNCTION AND 1000000	1	3		
983	975-31-26-1 28.1	228802 103500	42"X48"X10" Unbranded MINIPLATE PER STD 8888-1010	20000 Metal 42X1000 DETAILS IN SECONDARY COMPONENTS LOGS HANDLE - 100" JUNCTION AND 1000000 JUNCTION 100" JUNCTION AND 1000000	1	3		
984	975-31-26-1 28.1	228801 103400	42"X48"X10" Unbranded MINIPLATE PER STD 8888-1010	20000 Metal 42X1000 DETAILS IN SECONDARY COMPONENTS LOGS HANDLE - 100" JUNCTION AND 1000000 JUNCTION 100" JUNCTION AND 1000000	1	3		

HH	Year Bld & Type	Year Bld - Exemption in Use	REMARKS
H011	H01100000 (10) Wd. 2-4" w/ 40 Frame FNR 870 8800-2020	(1) 1 Position - Complete M/T: 100/100	
H010	H01100000 (10) Wd. 2-4" w/ 30 Frame FNR 870 8800-2020	(1) 1 Position - Complete M/T: 100/100	