
To: Mayor and City Council

From: Mary Neilan, City Manager
John Moe, City Engineer

Subject: Preliminary cost estimate for Beach Road Utility Undergrounding

Recommended Motion/Item Description

Direct staff to include Beach Road Utility Undergrounding in the Five-Year Capital Improvement Plan

Background

Earlier this year, the City Council allocated funds to complete the design/pre-development phase of the Acacia/Laurel Utility Underground District. An agreement for design services has been executed with ILS Engineering and that effort is underway.

In the course of that discussion, a question was raised about the remaining utility poles on Beach Road and whether they could be removed concurrent with the larger undergrounding project (a diagram of Beach Road utility pole locations is included as an attachment to this report). The City Council expressed a desire to see these poles removed and the utilities placed underground to improve safety and utility service reliability for Belvedere residents. Beach Road is one of two main access points to homes on the Island and should power lines come down during a storm, or if a pole is damaged and blocks the road, access to and from homes on the Island could be impaired. Lastly, the poles constitute an eyesore for residents and visitors that drive or walk along Beach Road.

These “orphan” poles fall outside the boundary of the Acacia/Laurel District and were not included in the Upper Beach Road District, constructed in 2002. The area in question is fairly small and does not appear to be a candidate for a separate underground district.

Absent a district to underwrite this project, the cost of undergrounding would likely fall to the City. This report presents a preliminary cost estimate to inform the Council’s discussion.

Findings

There are seven utility poles on Beach Road. They appear to provide power to the San Francisco Yacht Club, the homes at 147/157 Beach Road, and the home at One Embarcadero. These connections will be confirmed once the project is designed.

City Engineer John Moe and ILS Engineering have developed a cost estimate to design and construct the undergrounding. This estimate is very preliminary and subject to change. It assumes 750 linear feet of trench, no financing costs and includes a 10% contingency.

Design/Engineering (ILS)			27,100
Utility Design (PG&E, ATT)			25,000
Project Management Pre-Construction			17,000
Subtotal Design/Pre-Construction			69,000

Construction, Utilities and Contingency			
Construction (trenching, vaults, paving, etc)		115,523	
Construction contingency		11,577	
Utility Agency Costs			
PGE	33,000		
AT&T	3,000		
Utility Contingency	4,000		
Subtotal			167,100
Construction Inspection			17,000
Project Management – Construction			10,000
Pavement Core Sampling			1,500
Mark out of Sewer Laterals			3,500
Contract Document Reproduction			1,500
Subtotal			269,700

Private Service Lateral Trenches (7)			84,000
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Estimated Total Project Cost			\$353,700
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Fiscal Impact

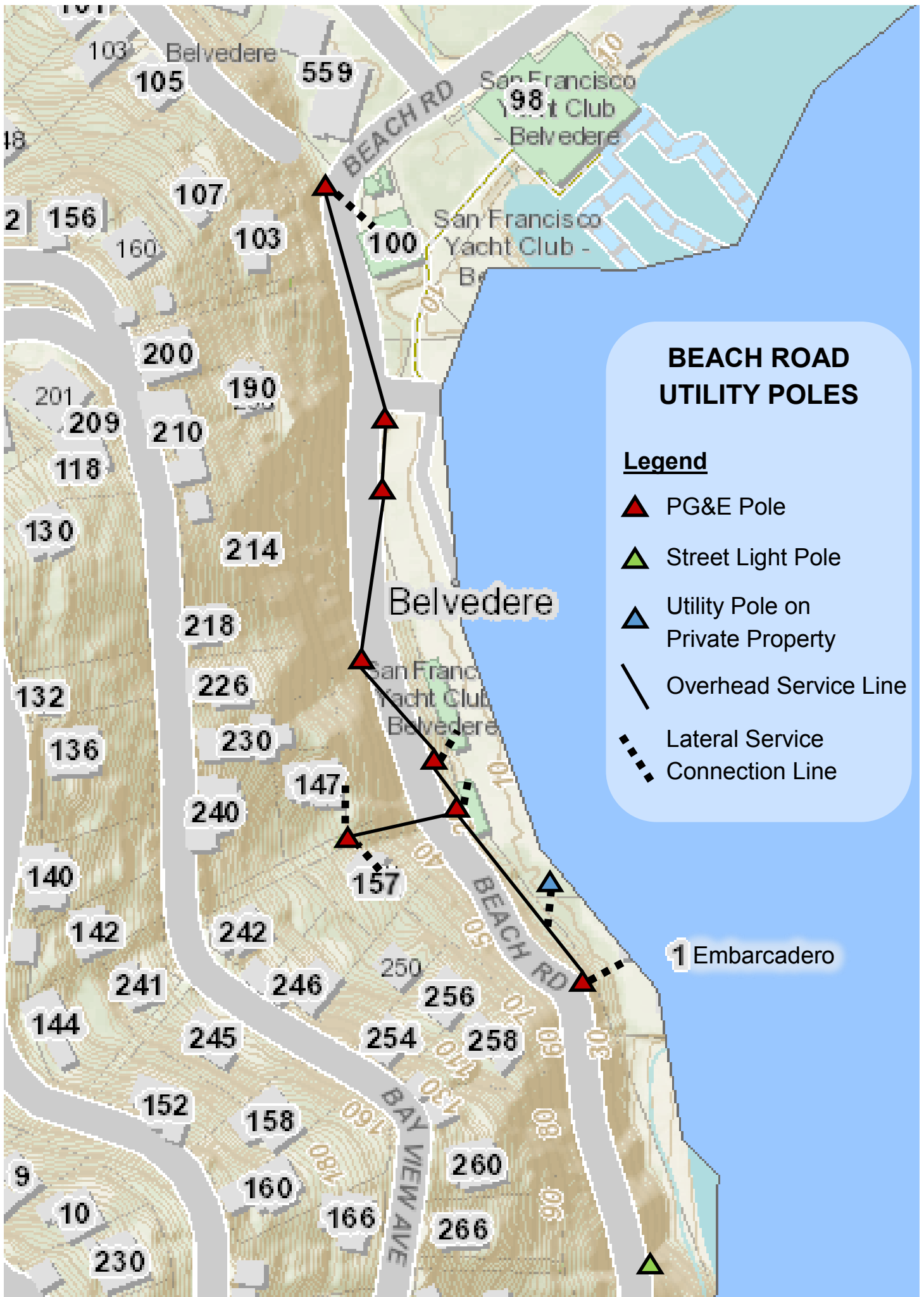
Unfortunately there is no readily identifiable source of funds for this project. If it is a priority for the Council, it can be moved ahead of other unfunded projects in the City's Five-Year Capital Improvement Plan (CIP). The CIP includes various projects involving flood mitigation, citywide storm drain improvements, Lane improvements and expansion, Community Park well refurbishment, City Hall foundation/drainage repair, ADA compliance projects, etc. Developing a strategy to fund the CIP will be a priority in the coming year.

Recommendation

Direct staff to include Beach Road Utility Undergrounding in the Five-Year Capital Improvement Plan

Attachments

1. Diagram of utility pole locations
2. Cost Estimate



ATTACHMENT 2

Beach Road Utility Undergrounding

Estimated Project Costs

Item	Description	Amount	Comments
1	Utility design costs	\$ 25,000.00	Estimate - based on prior UG district projects
2	Design Engineering	\$ 27,100.00	ILS pending contract
3	Project Management - design/pre-construction	\$ 17,000.00	Estimate - 10% of construction
4	Estimated Construction Cost	\$ 167,100.00	ILS estimate - Includes Utility Costs and 10% contingency
5	Construction Inspection	\$ 17,000.00	Estimate - 10% of construction
6	Project Management - construction	\$ 10,000.00	
7	Pavement core sampling	\$ 1,500.00	
8	Mark out sewer laterals	\$ 3,500.00	If sewer laterals are in this segment of street
9	Contract document reproduction	\$ 1,500.00	
	Subtotal	\$ 269,700.00	
10	Private service lateral trench estimate:		Need to underground services to private properties
	100 Beach Road	\$ 12,000.00	
	147 Beach Road	\$ 12,000.00	
	157 Beach Road	\$ 12,000.00	
	SF Yacht Club outbuildings - 3 laterals at \$12,000 each	\$ 36,000.00	
	1 Embarcadero	\$ 12,000.00	
	Subtotal	\$ 84,000.00	
	Total	\$ 353,700.00	

7/28/2015

Beach Road UG - Project Cost Estimate - 7-28 -15.xlsx