



TO: Elizabeth A. Pauli, City Manager
FROM: Mark D'Andrea, P.E., Project Manager, Public Works Engineering
Kurtis D. Kingsolver, P.E., Public Works Director/City Engineer *KDX*
COPY: City Council and City Clerk
SUBJECT: Resolution - Amendment No. 1 to Interlocal Agreement - Taylor Way Rehabilitation - May 5, 2020
DATE: April 21, 2020

SUMMARY AND PURPOSE:

A resolution authorizing the execution of Amendment No. 1 to the Interlocal Agreement with the Port of Tacoma, to accept \$500,000 in support of rail, Intelligent Transportation System (ITS) improvements, and other improvements associated with the reconstruction of Taylor Way from approximately 300 feet east of State Route (SR) 509 to the intersection of Alexander Avenue and East 11th Street, and authorizing Tacoma Water to make betterments to the water utility infrastructure along Taylor Way from 1,400 feet west of State Route (SR) 509 to Lincoln Avenue as previously approved by the Public Utility Board.

BACKGROUND:

This Department's recommendation is based on the desire to partner with the Port of Tacoma in reconstructing Taylor Way to heavy haul standards and to improve connectivity along the corridor making traffic flow, communication with the public, and emergency management more effective and efficient.

Taylor Way is a major arterial within the Port of Tacoma Manufacturing Industrial Center, the main corridor on the Blair-Hylebos Peninsula, an essential emergency access route, and part of Washington State's Truck Freight Economic Corridor System carrying 4-10 million tons of freight annually. Reconstructing the rail crossings and the road itself to heavy haul standards will allow freight and passenger vehicles to operate more efficiently and will minimize road and rail maintenance. ITS improvements, including roadway cameras, fiber optic communication, interconnected traffic signals, and electronic blank-out signs will allow the corridor to be managed for train movement, roadway blockages/collisions, detours, and real time messaging to the traveling public. The Port funding will be combined with City, state, and federal funding, including approximately \$18.3 million in grants.

Tacoma Water has also identified needed betterments to water infrastructure along Taylor Way, which can be more economically and efficiently upgraded in coordination the reconstruction work. Tacoma Water desires to participate in the Taylor Way Rehabilitation Project to install a new intertie with the City of Fife and replace approximately 6,600 feet of water main along Taylor Way, from 1,400 feet west of SR 509 to Lincoln Avenue. The total Water project cost of \$3,964,425.30 is fully funded and has been approved by the Public Utility Board. Section 4.11 of the Tacoma City Charter requires City Council approvals for significant betterments of utility infrastructure.

COMMUNITY ENGAGEMENT/ CUSTOMER RESEARCH:

This High Equity Index Area of New Tacoma is generally industrial and borders Puyallup Tribe of Indian properties, Port of Tacoma-owned properties, extensive Washington State Department of Transportation (WSDOT)-owned right-of-way, and is adjacent to the City of Fife. Outreach has involved meetings with the New Tacoma and Northeast Tacoma Neighborhood Councils, the City of Fife, the Port of Tacoma, businesses/freight operators, the Puyallup Tribe of Indians, a representative of the Pierce County Planning Commission, a project open house, and a project-specific web page. The project is generally well received; however, concern was noted regarding traffic impacts during



construction, particularly along SR 509. Based on the public feedback, it was determined that major construction activities (paving, lane closures on SR 509, etc.) would occur at night or on weekends outside of the peak travel times.

2025 STRATEGIC PRIORITIES:

Equity and Accessibility:

Although the Equity Index in the direct project area is *High*, it borders on a *Moderate* area to the south. The project area is primarily industrial with a high percentage of truck traffic, warehouses, over 13 rail crossings, limited sidewalks and bicycle routes, and a wide overgrown right-of-way along SR 509 bordering the City of Fife. As such, the Accessibility Index for this area is *Very Low*. Project components such as constructing 1.5 miles of 10-foot wide missing link sidewalk to allow use by both bicyclists and pedestrians, upgrading curb ramps, planting additional trees and wetlands along SR 509 and Taylor Way, and upgrading four traffic signals to include push-to-walk buttons and countdown pedestrian signal heads, accessibility, mobility and safety along this busy industrial corridor will improve. This will allow job-seekers the ability to get to places of business, create an area that pedestrians can walk and cycle improving personal health, and if well utilized, possibly reduce the number of vehicles on the road.

Economy/Workforce: Equity Index Score: High Opportunity

Increase positive public perception related to the Tacoma economy.

Explain how your legislation will affect the selected indicator(s).

Taylor Way has failing pavement, poorly coordinated signals, rail crossings that are deteriorating and limited pedestrian access. Additionally, the SR 509/Taylor Way intersection has been ranked by WSDOT as the second-worst congested intersection in a seven county area. This project will make Taylor Way a first class freight corridor, interconnected electronically and physically (with new sidewalks) with the surrounding community, the City of Fife, and emergency responders. It will also widen and add turn lanes at the SR 509 intersection to minimize backups and improve the experience for drivers traveling to and from Northeast Tacoma.

ALTERNATIVES:

Alternative(s)	Positive Impact(s)	Negative Impact(s)
1. Do not partner with the Port of Tacoma on this project.	None	Reduce the ITS, rail crossings, and additional project scope, lessening the positive impacts to the City's strategic priorities.
2. Identify other grant funding.	None	Pursuing and receiving grants takes time (generally over a year) and will delay the work and likely result in further project cost increases due to inflation and rebidding.



EVALUATION AND FOLLOW UP:

City staff and the construction contractor will meet with residents, businesses, and other municipalities, as needed, to limit construction impacts from the work that these funds will finance. Staff will verify that the infrastructure improvements are consistent with other Port of Tacoma projects and the technology associated with the SR 167 extension to SR 509. Construction will be planned to limit impacts to rail movement while the crossings are being replaced.

STAFF/SPONSOR RECOMMENDATION:

Staff recommends approving a resolution authorizing the execution of Amendment No. 1 to the Interlocal Agreement with the Port of Tacoma, accepting funds to support the ITS, rail crossings, and other components of the Taylor Way Rehabilitation construction project. Construction will likely begin in June 2020 and extend to October 2021.

FISCAL IMPACT:

The funding associated with this agreement will support the \$23.6 million Taylor Way Rehabilitation construction project bid under PW19-0262F. The Public Works Department is currently partnering with TPU Rail and Water, Environmental Services, the City of Fife, and Pierce County on the project.

Fund Number & Name	COST OBJECT (CC/WBS/ORDER)	Cost Element	Total Amount
1060-CAPTL (PW Street Capital Projects)	PWK-G0021-FS-05	4345221	\$500,000.00
TOTAL			\$500,000.00

What Funding is being used to support the expense?

Funding from the Port of Tacoma

Are the expenditures and revenues planned and budgeted in this biennium's current budget?

YES

Are there financial costs or other impacts of not implementing the legislation?

YES

Will the legislation have an ongoing/recurring fiscal impact?

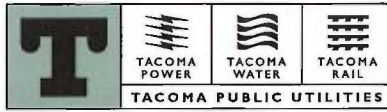
No

Will the legislation change the City's FTE/personnel counts?

No

ATTACHMENTS:

- Vicinity Map



Board Action Memorandum

TO: Jackie Flowers, Director of Utilities
COPY: Charleen Jacobs, Director and Board Offices
FROM: Ali Poldo, Interim Assistant Division Manager, Tacoma Water
MEETING DATE: April 22nd, 2020
DATE: April 7th, 2020

SUMMARY:

Authorize Tacoma Water to participate in the City of Tacoma, Department of Public Works Taylor Way Rehabilitation Project. Tacoma Water proposes to install a new intertie with the City of Fife (Fife) and replace approximately 6,600 feet of water main along Taylor Way, from 1,400 feet west of State Route (SR) 509 to Lincoln Avenue. Total project cost including the Fife scope of work is \$2,712,787.00, plus a partner contribution of \$891,236.00, plus a 10 percent contingency, for a cumulative total of \$3,964,425.30.

Tacoma Water believes it is in the best interest of the utility and its customers to include the water main work and Fife Intertie in the Public Works project. Project partnership will improve project delivery, reduce project costs, mitigate future risks, consolidate construction disturbance to businesses, and provide additional water supply to Fife.

Public Works deems this project essential under Governor's Proclamation 20-25.

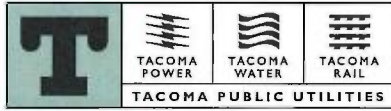
BACKGROUND:

Taylor Way is a major arterial within the Port of Tacoma, the main corridor on the Blair-Hylebos Peninsula carrying 4-10 million tons of freight annually, and an essential emergency access route. Tacoma Water is partnering with the Public Works Department to reconstruct the existing roadway and replace approximately 6,600 feet of the existing water main and appurtenances constructed circa 1929 and 1957.

In addition, a new 16-inch intertie to Fife, located at the intersection of SR 509 and Taylor Way, will be constructed. The existing 8-inch intertie is hydraulically restrictive for the future water demands of Fife. Costs for the intertie are being reimbursed by Fife and a new Wholesale Agreement to purchase additional water supply is in negotiation.

The overall project will minimize long-term road maintenance by improving the roadway surface with concrete panels, add sidewalk and replace curb ramps/crossings to meet ADA standards, replace underground utilities, reduce congestion along SR 509, improve travel to Northeast Tacoma, and improve emergency access to the Blair-Hylebos Peninsula by adding traffic cameras and blank-out signs along the corridor.

Project partner contributions are summarized in the Tacoma Water-Public Works Joint Agreement.



Board Action Memorandum

ISSUE: Existing water main is upwards of 90 years old with a history of costly breaks. Sections of the water main are near the end of its operational life. The existing Fife intertie is hydraulically restrictive.

ALTERNATIVES: Rehabilitating the existing water main is cost prohibitive. It is more cost effective to mitigate the risk of future water main breaks under a new concrete roadway by replacing the water main. Increasing the size of the Fife intertie will increase the water flowrates. These improvements would be difficult to construct if not included in this project.

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

IF THE ACTION REQUESTED IS APPROVAL OF A CONTRACT, INCLUDE LANGUAGE IN RESOLUTION AUTHORIZING \$200,000 INCREASE IN ADMINISTRATIVE AUTHORITY TO DIRECTOR? Yes.

ATTACHMENTS: Project Map
Contract and Award Letter
Agreement for Joint Project Tacoma Water – Public Works

CONTACT: Ali Polda, Interim Assistant Division Manager, 253-502-8152
Shannon Wall, Division Manager, 253-502-8455