



TO: Elizabeth A. Pauli, City Manager
FROM: Chris E. Larson, P.E., Engineering Division Manager, Public Works
Kurtis D. Kingsolver, P.E., Public Works Director/City Engineer
Michael P. Slevin III, P.E., Environmental Services Director *For [unclear]*
COPY: City Council and City Clerk
SUBJECT: Resolution – Special Projects of Limited Duration – November 19, 2019
DATE: October 31, 2019

SUMMARY:

A resolution relating to Special Projects; designating 28 Public Works and Environmental Services projects as special projects of limited duration; and designating general salary classifications and benefits for persons employed on said projects pursuant to Tacoma Municipal Code Sections 1.12.155, 1.24.187, 1.24.980 through 1.24.986, 1.30.300, and Section 6.1(h) of the Tacoma City Charter.

STRATEGIC POLICY PRIORITY:

- Ensure all Tacoma residents are valued and have access to resources to meet their needs.
- Foster a vibrant and diverse economy with good jobs for all Tacoma residents.
- Assure outstanding stewardship of the natural and built environment.
- Encourage and promote an efficient and effective government, which is fiscally sustainable and guided by engaged residents.

Approval of this resolution will provide resources to complete capital improvement projects, residential street projects, arterial streets, and active transportation facilities.

BACKGROUND:

A resolution will identify and designate the projects listed below as special projects of limited duration and allow the Public Works and Environmental Services departments to acquire project staff to supplement permanent staffing levels on an as-needed basis to support the following projects:

- Safe Routes to School Projects
- South 19th Street and Clay Huntington Way
- Streets Initiative, Contracted Maintenance Projects
- I-5 & South 56th Street Interchange ADA Improvements
- South 56th Street and Cirque Drive Corridor Phase 2
- Yakima Avenue Bridge
- Prairie Line Trail Phase II
- Water Flume Line Trail Phase III
- East 64th Street Improvements: Pacific Avenue to East City Limits
- Muni Dock, Sites 10 and 12 Seawall Repair
- Yakima Avenue Traffic Signal Operations and Visibility Improvements
- Sheridan Avenue Missing Link Sidewalk
- Traffic Signal Infrastructure Improvements: Pierce Transit Routes 1 & 2
- 6th Avenue Pedestrian Crossing Safety Improvements
- Damaged Streetlight and Circuit Replacement
- Taylor Way
- Fawcett Avenue: South 19th Street to South 21st Street
- Revitalizing Tacoma’s Brewery District with Complete Streets



- South 19th Street Signal & Crosswalk Improvements, Yakima Avenue to Tacoma Avenue
- McKinley Avenue Crosswalk Improvements at East 36th Street and East 37th Street
- Links to Opportunity
- Sheridan Avenue Improvements South 61st Street to South 72nd Street
- South 48th Street Sidewalk Improvements
- Jefferson & Hood Street Surface Water Interceptor Project
- Central Wastewater Treatment Plant Electrical Distribution System Replacement
- Larchmont Permeable Pavement Neighborhood Project
- Wastewater/Surface Water Facilities Documentation Project
- Flow Monitoring Project

Detailed information is provided at the end of this memorandum regarding each project including a contact name, description, total project cost, and duration. Project staff costs would be charged to the special projects. The special project duration would be valid for the period designated.

Project staff may include, but not be limited to, construction inspectors, construction managers, project managers, project specialists, design engineers, survey technicians, CAD technicians, development specialists, associate planners, signal and lighting electricians, environmental specialists, IT staff, technicians, laboratory personnel, arborists, and landscape architects. Project staff would receive all appropriate employee benefits.

ISSUE:

Current staffing levels are not adequate to support the increase in workload generated from the listed projects.

ALTERNATIVES:

Alternatives include hiring additional regular staff, hiring project staff on an as-needed basis, and outsourcing to facilitate completion of the administration, management, and design work. Hiring project staff as needed provides the most benefit at the least cost.

RECOMMENDATION:

The Public Works and Environmental Services departments recommend approval of the designation of the projects as special projects and programs of limited duration. This provides for cost and schedule efficiencies by increasing staffing levels where required and as needed during completion of this work.

FISCAL IMPACT:

This resolution will have no fiscal impact on listed project budgets. Projects have been or will be budgeted through the capital budgeting process.



2019 Special Projects

Safe Routes to School Projects

Projects will employ strategies outlined in the Safe Routes to School Implementation Plan including various construction projects. Projects include: Infrastructure Assessment, Infrastructure Improvements, School Zone Warning Beacons, and Mary Lyon Elementary improvements.

Total Estimated Project Cost: \$2,200,000

Contact: Jennifer Kammerzell, 591-5511

Designation Duration: Continues until December 31, 2024

South 19th Street and Clay Huntington Way

This project will construct a full traffic signal, accessible pedestrian signals (APS), ADA compliant curb ramps and sidewalk, and signage/pavement markings.

Total Estimated Project Cost: \$721,403

Contact: Basel Kitmitto, 591-5448

Designation Duration: Continues until December 31, 2024

Streets Initiative, Contracted Maintenance Projects

The residents of Tacoma approved the Street Initiatives (Proposition A and Proposition No. 3) in November 2015, approving funding to repair and improve City streets. The 2015 Voted Street Initiative Fund 1085 was created and approved by the City Council under Ordinance No. 28344 on February 9, 2016. This fund provides for arterial street improvements, non-motorized improvements, and residential street repairs. Multiple Streets Initiative contracted maintenance projects will be constructed annually.

Total Estimated Project Cost for five years: \$50,000,000

Contact: Sue O'Neill, 591-5789

Designation Duration: Continues until December 31, 2024

I-5 & South 56th Street Interchange ADA Improvements

This project will construct sidewalk curb ramp safety improvements for the South 56th Street/I-5 Interchange. This project is funded by the Washington State Department of Transportation.

Total Estimated Project Cost: \$550,000

Contact: Jon Kulju, 591-5204

Designation Duration: Continues until December 31, 2024

South 56th Street and Cirque Drive Corridor Phase 2

The project will include pavement rehabilitation between Washington and Tacoma Mall Boulevard, curb ramps, LED streetlights, and bike facilities and lanes on parallel route South 54th Street with north/south connections to transit centers. The project will also install APS and ADA crossing improvements as needed.

Total Estimated Project Cost: \$9,357,651

Contact: Basel Kitmitto, 591-5448

Designation Duration: Continues until December 31, 2024



Yakima Avenue Bridge

This project will construct a bridge deck repair for the Yakima Avenue Bridge spanning South Tacoma Way.

Total Estimated Project Cost: \$3,456,950

Contact: Basel Kitmitto, 591-5448

Designation Duration: Continues until December 31, 2024

Prairie Line Trail Phase II

This project will construct a shared use path between South 21st and South 25th Streets along the former BNSF rail line commonly referred to as Hood Street. This project will connect to the existing section of the Prairie Line Trail on the UW-Tacoma campus at its northern terminus and provides a connection to the Water Flume Line Trail to the south.

Total Estimated Project Cost: \$8,476,000

Contact: Chris Storey, 591-2484

Designation Duration: Continues until December 31, 2024

Water Flume Line Trail Phase III

This project will construct a non-motorized, shared-use path along South Tacoma Way between South M Street and South Pine Street. This is the final phase of the 6.5 mile Water Flume Line Trail. This project will also reconstruct portions of South Tacoma Way including a grind and overlay with channelization reconstruction between South Pine Street and South 35th Street.

Total Estimated Project Cost: \$8,445,000

Contact: Chris Storey, 591-2484

Designation Duration: Continues until December 31, 2024

East 64th Street Improvements: Pacific Avenue to East City Limits

This project will reconstruct the roadway to complete street standards including adding bicycle facilities, wider sidewalks with ADA compliant ramps, streetlights, and storm water improvements. The project will be constructed in three phases for the purpose of competing for grant opportunities. Phase One is funded for construction and will improve East 64th Street between Pacific Avenue and McKinley Avenue. A City grant match of \$2,300,000 is required for Phase One construction and is funded via the Streets Initiative Fund. The Streets Initiative Fund also provided \$1,300,000 in design funds for Pacific Avenue to East City Limits.

Total Estimated Project Cost: \$24,000,000

Contact: Chris Storey, 591-2484

Designation Duration: Continues until December 31, 2024

Muni Dock, Sites 10 and 12 Seawall Repair

This project will construct full repairs to shoreline revetments along the Foss Waterway at Sites 10 and 12. The project will also construct repairs to approximately 60-feet of the Municipal Dock shoreline revetment.

Total Estimated Project Cost: \$3,370,000

Contact: Darius Thompson, 591-2410

Designation Duration: Continues until December 31, 2024



Yakima Avenue Traffic Signal Operations and Visibility Improvements

This project will upgrade existing traffic signal heads and phasing and improve timing along Yakima Avenue between South 72nd and South 96th Streets. The project will also install APS and ADA crossing improvements as needed.

Total Estimated Project Cost: \$1,122,700

Contact: Darius Thompson, 591-2410

Designation Duration: Continues until December 31, 2024

Sheridan Avenue Missing Link Sidewalk

This project will construct sidewalks between South 61st Street and South 84th Street improving access to Birney Elementary School, Baker Middle School, Wapato Park, and Frank Alling Park.

Total Estimated Project Cost: \$1,000,000

Contact: Jon Kulju, 591-5204

Designation Duration: Continues until December 31, 2024

Traffic Signal Infrastructure Improvements: Pierce Transit Routes 1 & 2

This project will repair and replace failed and outdated traffic signal infrastructure along two Pierce Transit corridors and restore signal functionality along 6th Avenue and Pacific Avenue (Route 1) and South 19th Street (Route 2). The project will improve transit efficiency, reduce greenhouse gases, support economic development, and improve traffic signal safety.

Total Estimated Project Cost: \$1,090,000

Contact: Jon Kulju, 591-5204

Designation Duration: Continues until December 31, 2024

6th Avenue Pedestrian Crossing Safety Improvements

This project will upgrade existing traffic signal heads and phasing and improve timing along 6th Avenue between Jackson and Sprague Avenues. The project will also install APS, ADA crossing improvements, and pedestrian actuated rectangular rapid flashing beacons.

Total Estimated Project Cost: \$3,564,600

Contact: Jon Kulju, 591-5204

Designation Duration: Continues until December 31, 2024

Damaged Streetlight and Circuit Replacement

This project will replace damaged streetlight poles and repairs/replaces damaged electrical circuits restoring electrical service to over 70 streetlights.

Total Estimated Project Cost: \$850,000

Contact: Jon Kulju, 591-5204

Designation Duration: Continues until December 31, 2024



Taylor Way

This project will reconstruct Taylor Way to heavy haul standards using cement concrete pavement between SR509 and East 11th Street. The project also improves the intersection of SR509 and Taylor Way, installs traffic signal improvements, new sidewalks, new streetlights, water main improvements, sanitary sewer improvements, and rail crossing improvements.

Total Estimated Project Cost: \$24,912,394
Contact: Mark D'Andrea, 591-5518
Designation Duration: Continues until December 31, 2024

Fawcett Avenue: South 19th Street to South 21st Street

The project will construct pedestrian and bicycle improvements along Fawcett Avenue and crossing improvements at the intersection of South 21st Street and Fawcett Avenue. This project also improves South 21st Street between Jefferson Avenue and Tacoma Avenue.

Total Estimated Project Cost: \$2,893,290
Contact: Mark D'Andrea, 591-5518
Designation Duration: Continues until December 31, 2024

Revitalizing Tacoma's Brewery District with Complete Streets

This project provides for pedestrian and bicycle improvements and traffic calming measures along Fawcett Avenue between 6th Avenue and South 19th Street. Improvements include new curb ramps, curb extensions, pedestrian islands, and mid-block crossings to provide a greater measure of safety. South 15th Street between Fawcett Avenue and Yakima Avenue will also be improved with a striped bicycle lane.

Total Estimated Project Cost: \$2,725,975
Contact: Nick Correll, 591-5492
Designation Duration: Continues until December 31, 2024

South 19th Street Signal & Crosswalk Improvements, Yakima Avenue to Tacoma Avenue

This project will improve traffic signal phasing and the visibility of pedestrian crosswalks at South 19th Street and Yakima Avenue and South 19th Street and Tacoma Avenue. Protected left turn signal phasing will be added at both these intersections along with new crosswalk markings.

Total Estimated Project Cost: \$482,000
Contact: Nick Correll, 591-5492
Designation Duration: Continues until December 31, 2024

McKinley Avenue Crosswalk Improvements at East 36th Street and East 37th Street

This project will improve the visibility of pedestrians in crosswalks on McKinley Avenue at East 36th Street and East 37th Street. The project will include lighting upgrades, curb bulbouts with ADA compliant ramps, and new crosswalk markings.

Total Estimated Project Cost: \$145,000
Contact: Nick Correll, 591-5492
Designation Duration: Continues until December 31, 2024



Links to Opportunity

This project constructs streetscape improvements to the sidewalk and pedestrian areas including new sidewalks, landscaping, lighting, seating, decorative concrete, and space for public art. Improvements will extend along: MLK Jr. Way from South 19th Street to Division Avenue, Division Avenue and North 1st Street from MLK Jr. Way to Stadium Way, and Stadium Way from North 1st Street to near South 9th Street. Project funds include a \$3.5 million Transit Access Fund grant, Streets Initiative funds totaling \$1.8 million, and other City funds totaling \$5 million.

Total Estimated Project Cost: \$10,300,000
Contact: Jon Kulju, 591-5204
Designation Duration: Continues until December 31, 2024

Sheridan Avenue Improvements South 61st Street to South 72nd Street

This project will reconstruct Sheridan Avenue from South 61st Street to South 72nd Street to include roadway reconstruction, curb and gutter installation, ADA compliant curb ramps and sidewalks, rechannelization to widen lanes and add sharrows, a 10-foot wide separated shared use path along the park on the west side, crossing signals upgrades at the South 72nd Street intersection, and stormwater upgrades.

Total Estimated Project Cost: \$7,020,006
Contact: Jon Kulju, 591-5204
Designation Duration: Continues until December 31, 2024

South 48th Street Sidewalk Improvements

This project will construct missing link sidewalks along South 48th Street from Asotin Street to Cushman Avenue. The project will also upgrade curb ramps and crossings to meet ADA standards.

Total Estimated Project Cost: \$642,870
Contact: Nick Correll, 591-5492
Designation Duration: Continues until December 31, 2024

Jefferson & Hood Street Surface Water Interceptor Project

This project will provide additional capacity to the City’s surface water system in the downtown area in the form of a new 60-inch diameter interceptor pipe that will help address the current capacity limitation and allow for future growth in the downtown area. Currently during intense rain events flooding can occur in various areas of downtown Tacoma, including Pacific Avenue, due to capacity limitations in the existing surface water collection system.

Total Estimate Project Costs: \$23,000,000
Contact: Kristy Beardemphl, 502-2272
Designation Duration: Continues until December 31, 2024

**Central Wastewater Treatment Plant Electrical Distribution System Replacement**

This project will consist of upgrading the facility's existing medium voltage electrical distribution system, which is well past its design life. This upgrade will provide for improved electrical redundancy, which will significantly reduce the chance of a facility electrical failure, which would result in significant discharges of untreated wastewater into Commencement Bay; and will provide improved safety for facility operations and maintenance staff.

Total Estimated Project Costs: \$33,000,000

Contact: Eric Johnson, 502-2106

Designation Duration: Continues until December 31, 2024

Larchmont Permeable Pavement Neighborhood Project

This project will improve water quality in the Flett Creek Watershed through the replacement of approximately 27 blocks of failed residential roadway with permeable pavement and sidewalks. This project will provide basic water quality treatment and reduce stormwater flows through the infiltration of 43 acres to help restore natural hydrologic conditions to Flett and Chambers Creeks.

Total Estimated Project Cost: \$8,000,000

Contact: Eric Johnson, 502-2106

Designation Duration: Continues until December 31, 2024

Wastewater/Surface Water Facilities Documentation Project

This project will update and integrate multiple sources of data, drawings and other documentation associated with wastewater and surface water facilities. This project will ensure that record drawings, documentation, and other sources of data reflect current conditions and that the documentation is in compliance with NPDES permit requirements. Work will include both fieldwork and office work related to the collection of data on current assets, updating of attribute data, creation of necessary drawings/documentation, and the development of databases and integration tools to improve the efficiency and effectiveness of staff utilizing the information.

Total Estimate Project Costs: \$425,000/year for staff costs

Contact: Craig Francis, 502-2124

Designation Duration: Continues until December 31, 2024

Flow Monitoring Project

This project will provide monitoring and data analysis efforts to show compliance with the NPDES Wastewater Discharge Permit, improve treatment effectiveness, and drive capital improvement projects through ongoing modeling of both the sanitary and surface water conveyance systems. This project is an existing designated special project of limited duration and is being extended. The metering group is responsible for operating, maintaining, and downloading data logging systems used in monitoring both the sanitary and surface water conveyance systems throughout the City. The data from these flows is used to study inflow and infiltration, look for sanitary cross connections, monitor sanitary sewer overflows, and generate hydraulic models for capital improvement projects. Additional monitoring may be performed to log surface water quantity entering and exiting treatment devices throughout the City to evaluate system performance as well as groundwater level monitoring. Specific tasks in the overall monitoring program include data logging equipment operation and maintenance, data analysis and reporting, data management and database maintenance.

Total Project Cost: \$200,000/year estimated new staff costs

Contact: Steve Shortencarrier, 502-2275

Designation Duration: Continues until December 31, 2024