



BFCG 2020 – 2023 Call for Projects Urban Large Project Overview Projects Eligible for STBG/HIP

Instructions

Complete application in the space provided. Applicants are limited to application form, required attachments, and three additional pages of attachments.

General Information

Project Title:	Columbia Center Blvd. & Deschutes Ave. Int. Improvements
Agency:	City of Kennewick
Contact Person:	Sorin Juster
Telephone:	(509) 585-4400
Email Address:	sorin.juster@ci.kennewick.wa.us
Project Limits:	Intersection of Deschutes Ave. & Columbia Center Blvd.
Project Length (miles):	0.1 Mile
Federal Classification:	Urban Other Principal Arterial

Description

Describe the nature of the project, work involved, and the existing and proposed conditions:

Columbia Center Blvd. is, in terms of traffic volume the busiest corridor in the City of Kennewick. This corridor serves the existing Columbia Center Mall, Costco, Toyota Center and Three Rivers Convention Center. Expected traffic volumes on this corridor will increase significantly due to the additional significant developments coming on line which include the Vista Field Redevelopment which is under construction, and Three Rivers Entertainment Development which is in the planning stages.

Current configuration operates with east leg having a single left turn lane, and one shared through/right-turn lane. West leg has a single left turn lane, one through-lane, and a single right-turn lane. South leg consists of three through-lanes SB, two NB through-lanes, a single left-turn and a single right-turn lane. North leg consists of two through-lanes both NB and SB, and one left-turn lane.

This intersection is ranked number 8 in total amount of collisions in the City of Kennewick. Current ADT is 29,404 vpd.

Current LOS PM peak hour traffic operations were evaluated as a part of our 2040 Transportation System Plan. The study revealed this intersection as a potential bottleneck with at least one leg operating at Level F at PM peaks.

The project will provide a right-turn lane for added turning capacity for west-bound traffic turning north onto Columbia Center Blvd. In addition, proposed work will be in preparation for extending a third lane for north and south-bound traffic on Columbia Center Blvd. (See attached exhibit for preliminary layout)



Describe how the project is consistent with the Metropolitan/Regional Transportation Plan:

Proposed project is on the City of Kennewick's current Six Year Transportation Improvement Plan. Project is located along a Tier 1 corridor as defined in the Benton-Franklin Council of Government Congestion Management Process, and is on the City of Kennewick's regional significant projects list.

Describe how the project is consistent with local plans and programs:

The project is listed on the City of Kennewick's current Six Year Transportation Improvement Plan and it is located on a Tier 1 corridor as defined in the Benton-Franklin Council of Government Congestion Management Process, and is on the City of Kennewick's regional significant projects list.

The City of Kennewick has committed its own resources for a match for the design and Right-of-Way phases of this project. We are seeking funds for the Design and Right-of-Way phases for this project.



Schedule

Indicate in the table below the schedule of the project by checking the applicable boxes:

Phase	Year			
	2020	2021	2022	2023
Planning (PL)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preliminary Engineering (PE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Right-of-Way (ROW)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction (CN)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Cost Summary

Fill in the table below to show the funding of the project:

Phase	Funding Requested	Other Funds	Total
Planning (PL)	0	0	0
Preliminary Engineering (PE)	86,500	13,500	100,000
Right-of-Way (ROW)	173,000	27,000	200,000
Construction (CN)	0	1,200,000	1,200,000

Funding Source(s)

Check the box for eligible funding sources sought:

- STBG
- HIP

Indicate the sources(s) of other funds listed above:

City of Kennewick Capital Improvements Fund, and perhaps utilize a future grant opportunity, such as through the Washington State Transportation Improvement Board.



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System Preservation and Improvement

Describe below how the project preserves existing facilities and networks and helps obtain performance measure targets for pavement and bridges:

Project will improve performance of intersection with signal being rebuilt, additional turn lanes added along with immediate intersection overlay, lane markings and ADA improvements. (See attached exhibit for preliminary layout)

Describe below how the project improves existing facilities and networks:

Project will improve the capacity and operation of the intersection by providing a right-turn lane for added turning capacity for west-bound traffic turning north onto Columbia Center Blvd. In addition, proposed work will be in preparation for extending a third lane for north and south-bound traffic on Columbia Center Blvd. The third through lane will be combined with the right turn lane for the same approach. (See attached exhibit for preliminary layout)

Safety

Describe below how the project reduces the frequency and/or severity of roadway crashes and helps obtain safety performance measure targets:

Majority of the crashes at this intersection are right-angle, rear-end collisions and turning movement collisions (88% for 2016 - 2018). Proposed improvements should significantly reduce these types of crashes.



Freight Movement and Economic Vitality

Describe below how the project provides access to existing/new economic opportunities:

This intersection is within the Columbia Center Opportunity Area of focus by the City's Economic Development efforts, and serves as a major cross-axis connection serving dozens of major retailers and entertainment venues. W. Deschutes Ave. also connects commerce area to the existing Toyota Center, Three Rivers Convention Center, and the current redevelopment of the 103-acre Vista Field and Entertainment District. While other areas of intersection exist, this intersection is one of the most significant to the movement of traffic in this quickly growing center of commerce.

Describe below how the project improves the movement of goods through the regional transportation network:

Columbia Center Blvd. and W. Deschutes Ave. are among the major regional arterials for movement of goods and people. The expectation is for the traffic volumes to increase with the completion of the Vista Field Development and Vista Field Entertainment District. The proposed improvements will significantly increase the capacity of the roadway for improved movement of goods.

Mobility and Connectivity

Describe below how the project improves multi-modal transportation including serving multiple modes on a facility or improving connection between modes:

Improved pedestrian circulation, ADA compliance and bicycle lanes will add to the inter-modal capacity of the system.



Mobility and Connectivity (continued)

Describe below how the project improves connection of employment/activity centers to population centers:

This intersection is within the Columbia Center Opportunity Area of focus by the City's Economic Development efforts, and serves as a major cross-axis connection serving dozens of major retailers and entertainment venues. W. Deschutes Ave. also connects commerce area to the existing Toyota Center, Three Rivers Convention Center, and the current redevelopment of the 103-acre Vista Field and Entertainment District. While other areas of intersection exist, this intersection is one of the most significant to the movement of traffic in this quickly growing center of commerce.

Congestion

Describe how the project reduces the amount of congestion on the regional transportation network including how the project relates to the congested corridors identified in the Congestion Management Process (CMP):

Project is located on a Tier 1 corridor as defined in the Benton-Franklin Council of Governments Congestion Management Process. Proposed intersection improvements will reduce congestion along the Columbia Center Blvd. and W. Deschutes Ave. corridors.

Regional Benefit

Describe how the project provides benefit to the overall region:

This project is a critical transportation infrastructure element for the City of Kennewick. At completion it will both relieve congestion and improve overall safety by addressing the main causes of collisions as well as increase the capacity of the intersection.



Project Readiness

Describe the project readiness and likelihood of the project meeting the proposed schedule including the status of PE, ROW, other funding sources, and the agency's capacity approach to delivering the project:

Project has allocated local matching funds for the Design and Right of Way phases as part of its Capital Improvement Program. The City of Kennewick has the capacity to deliver this project on-schedule with its own City staff for Design, and will utilize consultants for the ROW phase.

For construction, the City will utilize its own Capital Improvements Fund, and perhaps utilize a future grant opportunity, such as through the Washington State Transportation Improvement Board.

Please contact BFCG staff with any questions or needed clarifications at (509) 943-9185.

