



Capital Street Repair & Improvement Plan

2018

with STIP 2018-2023, adopted by
Resolution No. 415, 06/20/2017

City of Carnation
2018 Capital Street Repair and Improvement Plan

Table of Contents	Page No.
1. Introduction.....	1
a. Purpose.....	1
b. Development of the TIP.....	2
2. Transportation Budget Priorities	4
a. City Objectives.....	4
b. Previous Accomplishments	4
3. Transportation Improvement Projects.....	5
a. Project Funding and Expenditures	5
b. Project Cost Estimates.....	5
c. Transportation Project Categories	6
d. Transportation Improvement Project List (Table 3.0)	8
e. Street Improvement Projects (Table 3.1).....	9
f. Street Pavement Preservation Projects (Table 3.2).....	23
g. Street Repair & Maintenance Projects (Table 3.3).....	29
h. Non-motorized Improvement Projects (Table 3.4)	11
i. Other/Joint-Agency Improvement Projects (Table 3.5)	34
4. Six Year Transportation Improvement Program	38
a. City Council Resolution Adopting STIP 2018-2023.....	39
b. Six Year Transportation Improvement Program (STIP) 2018-2023	41
c. Financial Analysis and Forecast Summary for STIP.....	49
d. STIP 2017-2022 Project Map	50
 Appendix A - Pavement Rating Condition Map & Assessment.....	 51
Appendix B - Street Classification Map	57

I. Introduction

a. Purpose

This Capital Street Repair & Improvement Plan (Street Plan) is a compilation of anticipated long range capital transportation improvements the Six Year Transportation Improvement Plan and a listing of on-going repair and maintenance projects needed to improve Carnation's transportation network which including all streets and roads, sidewalks, pathways and trails.

The Plan includes estimated project costs and a tentative schedule for design and construction. Transportation needs are identified by examining the most updated information including: *level of service, safety and accident history, growth, traffic studies, and the City's adopted transportation plan element of the Comprehensive Plan.*

The cost of one local street reconstruction can easily reach a half million dollars. Carnation has not been in the position of being able to pay for these expensive projects and has relied on State agencies and programs for major grants. Annually the city is required to prepare and approve a Six Year Transportation Program (STIP) and submit the Plan to the State. In order for projects to be considered for grant funding, projects must be included in the City's STIP.

The STIP is an annual process requiring local jurisdictions to identify their future transportation improvement needs. RCW 35.77.010 & RCW 36.81.121 require that the City update the STIP annually and file a copy of the adopted program with WSDOT.

This list represents a forecast of the transportation related improvements to meet a locally defined level of service and policies as identified in the City of Carnation's Comprehensive Plan, and required by Washington State's Growth Management Act.

Many of Carnation's streets, especially in the older sections of town, are substandard and failing for numerous reasons. Many have an inadequate sub-base, often the original paving material was too thin, and there is rarely any drainage. At some point continued patching and pot-hole filling cannot save these streets and they will need to be reconstructed. Grant funding can be acquired for "Local Street Improvements" such as overlays, crack sealing and chip sealing through the Transportation Improvement Board program.

The Transportation Improvement Board analyzed Carnations' streets by condition (Pavement Rating Condition Assessment, see Appendix B). The Rating Map gives us a picture of all the streets

in town and their condition. This Rating has proved to be a major boon for Carnation, as the Assessment will help us in prioritizing which streets to reconstruct vs. which just need a different approach: crack sealing, chip sealing, or overlay.

Capital improvement projects and street repair programs listed in the street plan are reviewed, updated, and prioritized on an annual basis by the City Council with staff recommendations. From this review, the “Six-Year Transportation Improvement Program” (TIP) is then developed. The TIP represents a prioritized short-range planning document that identifies the revenues (secured or expected) and estimated expenditures needed to ensure the City can accomplish the projects or programs listed for the next six years. Although funding may not necessarily be secured for each project or program when included in the TIP, anticipated funding source(s) are identified, which include seeking state and federal grants.

State law (RCW 35.77.010) requires that each City develop a local TIP and that it be annually updated and submitted to WSDOT to be eligible for most state or federal grant funding. Federal grant funded projects from the first three years of the City’s TIP are included in the Regional Transportation Planning Organization (RTPO) plan, assembled by the Puget Sound Regional Council for King, Kitsap, Pierce, and Snohomish Counties. This regional transportation plan is combined with other regional plans from around the State and is combined to form the State TIP (STIP), which is approved by the Governor. The approved STIP is then submitted to the Federal Highway Administration and Federal Transit Authority for their review and approval.

b. Development of the TIP

Annual updates of the TIP begin with developing revenue forecasts to provide a reasonable estimate of funding available to accomplish the transportation improvement needs. The total number of projects and their associated cost to design and construct typically exceed the available revenue forecast and therefore it is necessary to establish a means of prioritizing the projects.

Annually, each project in the previously adopted TIP is reviewed to determine if it has been completed. The projects not completed are assessed to determine if either site conditions and / or improvement needs have changed. From this assessment, these previously identified projects carry over to the new TIP and the anticipated costs for the project are updated, the project is re-scheduled, priorities are re-evaluated, and the anticipated funding is checked. Following a project evaluation that includes reviewing the listed projects and transportation priorities, recognizing commitments to projects already underway, and consideration of new opportunities to partner with other jurisdictions and agencies, a draft TIP is created.

The City’s Street Plan includes projects identified from many sources including, planning documents, accident data, traffic analysis, modeling, forecasting, and commissioned studies. These projects are then reviewed for consideration in adding to the TIP update. These potential new projects are then considered for inclusion in the plan based on review of scope, priority, schedule,

and anticipated revenue funding. The likelihood of receiving federal or state grants for various improvements, community interests and values are also considered.

Once the draft TIP has been developed, a public hearing is held to provide an opportunity for the community to comment. Based on the results of the public hearing and comments from the City Council a final version of the TIP is developed. This final version is then adopted by the City Council.

2. Transportation Budget Priorities

a. City Objectives

Leverage scarce transportation funding dollars to get the biggest “bang for the buck”.

Find reasonable, creative methods of street repair, reconstruction, (Grisham plan and memo for overlay that grinds existing pavement for base material and overlay w/o path or swales to improve driving surface in older streets.)

Improve access for pedestrians and bicyclists.

Gas tax revenue is shared by the State. It is based on a per capita distribution. Carnation’s gas tax receipts average about \$40,000 in an average year. The tax revenue is used for basic street related expenses including salaries, supplies, etc.

REET (Real Estate Excise Tax) funds from new growth can only be used for certain capital expenditures, such as street and road construction. REET has been earmarked to match the TIB grant for E Rutherford reconstruction. REET was also used for Spilman reconstruction.

The City is now reserving most near-term REET revenue to use as a match for the Tolt Avenue CBD reconstruction project. Policy needs to recognize that the Tolt Ave CBD Reconstruction Project will have priority over other street repairs/reconstruction from approximately 2018-2020 as the various other projects compete for City REET and any State grant dollars.

b. Previous Accomplishments

Stossel/King Ave. TIB widened w concrete sidewalks (2008)

50th Street overlay by developer (2015)

326th Street overlay by developer (2016)

Spilman with Safe Routes to School pathway and drainage swales (2015-2016)

West Rutherford Street pavement, pathway and drainage swales (2016)

3. Transportation Improvement Projects

a. Project Funding and Expenditures

The source of funding and planned expenditures for projects in the TIP reflects the amount of funds currently anticipated for each project over the next six years. The total funding and expenditures for all projects are shown including those projects that either, 1) started prior to the first year covered in the TIP or, 2) planned to continue beyond the final year covered in the TIP.

The funding, or revenue sources for projects or programs are identified in the following three categories:

Local Funds:

- Capital Improvement Fund: The portion of the City revenue funds collected from real estate excise tax (REET) that the City has elected to use to fund capital improvements.
- Traffic Impact Fees: Funds from impact fees assessed against building developments and improvements as they occur throughout the City. Impact Fees are restricted revenue and may only be used for projects needed to improve the capacity of the City's transportation network.
- Developer Contribution: Dedications in the form of constructed street and sidewalk frontage improvements along development projects.

Grant Funds:

State and Federal grant funding available through many competitive processes and programs, including Washington State Department of Transportation (WSDOT); Transportation Improvement Board; Federal transportation programs administered by WSDOT; as well as others.

- Secured: The portion of the project cost in the TIP planned for the six-years, or beyond, in which grant funding has been approved.
- Unsecured: The portion of the project cost in the TIP planned for the six-years, or beyond, that are currently without approved funding

Other Funds:

Funds contributed from partnerships with other jurisdictions and organizations in support of one or more projects.

b. Project Cost Estimates

The level of detail for estimated project expenditures in the TIP vary based on how well the project is defined. A project's scope-detail get more defined as it progresses from "planning" to "design" and therefore costs can more reliably be estimated. The following order of increasing detail is typically used for cost estimates in the TIP:

Pre-Project Planning Estimate: Costs are "placeholders" budget allocations for funds used where a project need is identified and listed but many of the project's scope-details have not yet been defined. A contingency factor, ranging between 25%-40%, depending on type of project, is typically applied to these estimates that are appropriate and are more commonly used for projects programed in the fourth year, or beyond, of the TIP.

Planning Level Estimate: Costs generally based on a limited defined scope, usually involving some field work, to identify needs and requirements but project detail may require further assessment of potential alternatives. Costs can still significantly change as design work begins, however it is more refined than Pre-Project Planning. This typically will include a contingency factor, albeit smaller, and is commonly used for estimating cost in the TIP.

Design-Level Estimate: Costs generally based from actual conceptual or preliminary design work, where the scope of the project is fairly defined. The significant aspects of a project details are known and cost of these items can more reliably be estimated (commonly at this stage these are based on unit costs from previous construction projects). This type of estimate is generally available for projects starting in prior year(s), and may be obtainable for those programed in the first couple years, of the TIP.

Capital Expenditure costs for projects are reflected for each of the following three significant development-phases of a project:

Design Phase: Estimated costs of engineering and other professional services necessary to design and prepare construction documents which may, depending on the type of project, also include special pre-design studies and obtaining environmental permit approvals.

Right-of-Way Acquisition Phase: Estimated costs of real property and/or easements needed to complete a project, typically including appraisals, negotiations, and other associated acquisition costs. Not all projects require this acquisition phase.

Construction Phase: Estimated costs to construct the improvements which typically would include a percentage factor for construction management and observation.

c. Transportation Project Categories

The Street Plan identifies the projects and programs into the following five categories in which projects are then prioritized:

TIER III: Street Improvements (SI):

Projects involving significant reconstruction of existing streets/intersections or new street connections to address one or more identified problem; including severe pavement/sub-base failure, insufficient capacity to meet current or anticipated traffic conditions and to incorporate safety enhancements. These projects may also include other elements like drainage and utility upgrades, sidewalk and non-motorized improvements, and landscaping or amenity enhancements.

TIER II: Street Pavement Preservation (SP):

Projects intended to preserve and extend a street's existing pavement service-life. Projects typically involve surface preparation and installing an additional "wearing-coarse" of material on top of the existing cracking or worn pavements that otherwise, in time, would require more costly reconstruction.

TIER I: Street Repair & Maintenance (SR):

Programed budget to perform regular maintenance of various streets by crack sealing, asphalt patching, or performing emergency spot repairs on streets citywide.

Non-motorized Improvement (NM):

Projects intended to focus on enhancing the City's non-motorized network of pedestrian and bicycle facilities, including filling-in and connect "missing gaps" of sidewalks, bike paths, or trails. Incorporating safety enhancement and retrofitting facilities for American Disability Act (ADA) compliance and developing and installing route designations and wayfinding signage for enhancing community experience.

Other/Joint-Agency Improvement (JA):

Identified projects or improvements where the City would support as a partner to the state and/or other municipal agencies whom, because of proximity and/or ownership-authority, would act as lead agency.

d. Transportation Improvement Project List (Table 3.0)

Project worksheets, containing the project name, brief description, funding/ expenditure forecast, and TIP priority number have been developed and included for projects in each project category along with project priority summary, reflected in Tables 3.1 through Table 3.5.

**Table 3.0
CITY OF CARNATION - CAPITAL STREET REPAIR & IMPROVEMENT PLAN - 2018**

Type	TIP	STIP Priority	Project Name	Actual Prior Years	Estimated 2017	2018	2019	2020	2021	2022	2023	Six-Year Period Total	Beyond 2023	
Tier III STREET IMPROVEMENT PROJECTS (SI)	WA-03830	1	Tolt Ave (SR203) Central Business District (CBD) Improvements (Eugene St to Rutherford St)	\$ 451,258	\$ 397,742	\$ 126,000	\$ 4,475,000	\$ -	\$ -	\$ -	\$ -	\$ 4,601,000	\$ -	
	WA-08869	2	West Morrison Street Reconstruction (Tolt Ave to Stewart Ave.)	\$ -	\$ -	\$ 660,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 660,000	\$ -	
	*		Tolt Ave (SR203) Corridor - South Greenway (Tolt Ave bridge to Entwistle St.)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,450,000	
	*		Tolt Ave. (SR 203) Corridor - North Greenway (Eastside: Rutherford to NE 55th)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,400,000	
	*		Tolt Ave. (SR 203) Corridor - South Entry (Westside:Tolt McDonald Pk to Eugene)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000	
	*		Tolt Ave. (SR 203) Corridor - North Entry (Westside: Rutherford to NE 55th)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,985,000	
	*		Larson Avenue Connector (NE 40th St. to Entwistle St.)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,300,000	
	*		NE 40th St. "Arterial" Reconstruction (Tolt Ave. to Larson Ave)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 510,000	
	*		Bird Street "Festival Street" Reconstruction (Stossel to Stephens)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,375,000	
	*		Milwaukee Avenue Connector (NE 50th St. to 55th St.)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,675,000	
	*		316th Avenue NE Connector (NE 55th St. to Morrison St.)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000	
	WA-06524		Tolt Ave (SR203) and Morrison Street Intersection Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,000	
	WA-08868	9	Tolt Ave (SR203) and Blanche Street Intersection Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,884,969	
SUBTOTAL STREET IMPROVEMENT PROJECTS				\$ 451,258	\$ 397,742	\$ 786,000	\$ 4,475,000	\$ -	\$ -	\$ -	\$ -	\$ 5,261,000	\$ 20,379,969	
Tier II STREET PAVEMENT PRESERVATION PROJECTS (SP)	WA-08870	4	East Bird Street Chipseal (Commercial to Milwaukee - 950 LF)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 52,000	\$ -	\$ 72,000	\$ -	
	WA-08872	5	East Reitze Street Chipseal (Milwaukee to Stossel - 1,100 LF)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 62,500	\$ -	\$ 82,500	\$ -	
	WA-08872	6	West Rutherford Street Chipseal (Tolt to Stewart - 1,150 LF)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 66,250	\$ 86,250	\$ -	
	WA-08873	7	Stossel Avenue Chipseal (Entwistle to Rutherford - 1,180 LF)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 70,000	\$ 90,000	\$ -	
	*		NE 40th Street Overlay (Larson Ave to Park Entry - 1,150 LF)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000	
SUBTOTAL STREET PAVEMENT PRESERVATION PROJECTS				\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ 154,500	\$ 136,250	\$ 330,750	\$ 90,000	
Tier I PREVENTATIVE STREET REPAIR & MAINTENANCE PROJECTS (SR)	WA-03837	8-1	East Morrison Street (Tolt to Spilman - 650 LF)			\$ 15,000						\$ 15,000		
		8-2	East Morrison Street (Spilman to Milwaukee - 530 LF)			\$ 10,600							\$ 10,600	
		8-3	West Commercial Street (Tolt to west end - 1,142 LF)				\$ 8,300						\$ 8,300	
		8-4	Myrtle Street (Tolt Ave to Stossel - 850 LF)				\$ 10,400						\$ 10,400	
		8-5	Royal Court (Regal St. to cul-de-sac - 250 LF)		\$ 4,800								\$ -	
		8-6	Queen Court (Regal St. to cul-de-sac - 225 LF)		\$ 4,300								\$ -	
		8-7	Palace Court (Regal St. to cul-de-sac - 150 LF)		\$ 2,800								\$ -	
		8-8	Regency Place (Regal St. to cul-de-sac - 225 LF)		\$ 4,300								\$ -	
		8-9	King Ct (Regal St to cul-de-sac - 676 LF)		\$ 11,400								\$ -	
		8-10	NE 47th St. (326th Ave. to 327th Ave. - 300 LF)				\$ 2,700						\$ 2,700	
		8-11	Unidentified Preventative Street Repair & Maintenance Projects				\$ -	\$ 3,600	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 103,600	
SUBTOTAL STREET REPAIR & MAINTENANCE PROJECTS				\$ -	\$ 27,600	\$ 25,600	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 150,600	\$ -	
NON-MOTO PROJECTS (NM)	WA-03839	3	East Entwistle (NE 45th) St. (329th Ave to 332nd Ave)	\$ -	\$ -	\$ -	\$ -	\$ 126,000	\$ -	\$ -	\$ -	\$ 126,000	\$ -	
	*		City Wayfinding Signage Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190,000	
	SUBTOTAL NON-MOTORIZED IMPROVEMENT PROJECTS				\$ -	\$ -	\$ -	\$ -	\$ 126,000	\$ -	\$ -	\$ -	\$ 126,000	\$ 190,000
JOINT-AGENCY PROJECTS (JA)	*		Tolt Ave.(SR 203) Corridor - North Walkway (55th to 60th)	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000	
	*		Tolt Hill Road/SR 203 Intersection Improvements	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 670,000	
	*		Tolt River Bridge Painting and Walkway Improvements	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,540,000	
SUBTOTAL JOINT-AGENCY PROJECTS				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,345,000	
TOTAL ALL PROJECTS				\$ 451,258	\$ 425,342	\$ 811,600	\$ 4,500,000	\$ 151,000	\$ 65,000	\$ 179,500	\$ 161,250	\$ 5,868,350	\$ 23,004,969	

Projects List

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)		TIP #
Project Title: Tolt Ave (SR203) Central Business District (CBD) Improvements (Eugene St to Rutherford St)		Project Worksheet
Project No: WA-03830	Project Type: Street Improvements	TIP Start Year = 2018
DESCRIPTION & PRIMARY PROJECT COMPONENTS: Construct approximately 1450 LF of full street improvements through the City's Central Business District with hardscape improvements, including: street re-grading and paving; aerial-to-underground utility conversion; street and pedestrian lighting; storm drainage infrastructure; street trees and planting; and site furnishings.		
JUSTIFICATION, BENEFITS, & SUSTAINABILITY: The City Council, residents, and business owners have been involved for several years with the goal of making the downtown a more pleasant, attractive place to visit and conduct business. The purpose of this project is to construct improvements and amenities that will make our downtown area a destination rather than something that travelers just drive through on their way to somewhere else. Project identified in the Tolt Avenue Action Plan and should be coordinated and developed consistent with details/elements of other planned Tolt Ave corridor improvement projects.		
TARGETED OUTCOME: The project will create places to stop, places to gather, and to sit downtown. The appearance of the CBD will be improved with new lighting, trees and plantings, new drainage and underground power and utilities. With the addition of these improvements we hope to see an infill of new businesses in the CBD. The benefit to the community comes from additional tax revenues that can be invested in our parks and streets and for additional police services.		

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS
FUNDING SOURCES									
LOCAL FUNDS	\$ 114,000	\$ 750	\$ 880,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 994,750
301 Fund - REET(1&2)	\$ 114,000	\$ 750	\$ 880,000						\$ 994,750
109 Fund - TIF									\$ -
GRANT FUNDS	\$ 735,000	\$ 125,250	\$ 3,395,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,255,250
Secured Grants	\$ 735,000	\$ 250							\$ 735,250
Un-secured Grants		\$ 125,000	\$ 3,395,000						\$ 3,520,000
OTHER FUNDS	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Other WSDOT			\$ 200,000						\$ 200,000
TOTAL FUNDING SOURCES =	\$ 849,000	\$ 126,000	\$ 4,475,000	\$ -	\$ 5,450,000				
CAPITAL EXPENDITURES									
		<i>Capital Expenditure Reflect 2017 Dollars</i>							
Design (PE)	\$ 849,000	\$ 1,000							\$ 850,000
Right of Way Acquisition (RW)		\$ 125,000							\$ 125,000
Construction (CN)			\$ 4,475,000						\$ 4,475,000
TOTAL EXPENDITURES =	\$ 849,000	\$ 126,000	\$ 4,475,000	\$ -	\$ 5,450,000				

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)		TIP #
Project Title: West Morrison Street Reconstruction (Tolt Ave to Stewart Ave.)		Project Worksheet
Project No: WA-08869	Project Type: Street Improvements	TIP Start Year = 2018
DESCRIPTION & PRIMARY PROJECT COMPONENTS: Reconstruct and widen approximately 1200 LF of W. Morrison Street to include 2-10' asphalt travel lanes; shoulder/parking; new stormwater infiltration swales; 5' walkway on one side; illumination upgrades, and signing/stripping.		
JUSTIFICATION, BENEFITS, & SUSTAINABILITY: This project will rehabilitate and improve a roadway that is narrow and has a "poor" pavement condition rating. Benefits include upgraded paved roadway, stormwater management, and safer street for vehicles and pedestrians.		

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS
FUNDING SOURCES									
LOCAL FUNDS	\$ -	\$ 165,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,000
301 Fund - REET(1&2)		\$ 165,000			\$ -	\$ -			\$ 165,000
109 Fund - TIF									\$ -
GRANT FUNDS	\$ -	\$ 495,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 495,000
Secured Grants									\$ -
Un-secured Grants		\$ 495,000							\$ 495,000
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other <____>									\$ -
TOTAL FUNDING SOURCES =	\$ -	\$ 660,000	\$ -	\$ 660,000					
CAPITAL EXPENDITURES									
		<i>Capital Expenditure Reflect 2017 Dollars</i>							
Design (PE)		\$ 61,000							\$ 61,000
Right of Way Acquisition (RW)									\$ -
Construction (CN)		\$ 599,000							\$ 599,000
TOTAL EXPENDITURES =	\$ -	\$ 660,000	\$ -	\$ 660,000					

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)

TIP #

Project Title: Larson Avenue Connector (NE 40th St. to Entwistle St.)

Project Worksheet

Project No: *

Project Type: Street Improvements - Capacity

TIP Start Year = 2018

DESCRIPTION & PRIMARY PROJECT COMPONENTS:

Construct approximately 1,000 LF of new "arterial" roadway between NE 40th Street and Entwistle Street to include 2-12' travel lanes with parking, curb & gutter, sidewalk, new storm drainage, illumination, and signing/stripping.

JUSTIFICATION, BENEFITS, & SUSTAINABILITY:

This arterial connection will allow traffic to access the lands zoned for industrial use west of SR203 and south of the wastewater treatment plan. Larson Avenue would connect Entwistle Street to NE 40th which provides alternate access to SR203. Project identified in the transportation element of the comprehensive plan as a priority "capacity" project.

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS	
FUNDING SOURCES										
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 575,000	\$ 575,000	
301 Fund - REET(1&2)									\$ -	
109 Fund - TIF								\$ 575,000	\$ 575,000	
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,725,000	\$ 1,725,000	
Secured Grants									\$ -	
Un-secured Grants								\$ 1,725,000	\$ 1,725,000	
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other <____>									\$ -	
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,300,000	\$ 2,300,000	
CAPITAL EXPENDITURES										
		<i>Capital Expenditure Reflect 2017 Dollars</i>								
Design (PE)								\$ 425,000	\$ 425,000	
Right of Way Acquisition (RW)								\$ 250,000	\$ 250,000	
Construction (CN)								\$ 1,625,000	\$ 1,625,000	
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,300,000	\$ 2,300,000	

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)		TIP #
Project Title: Tolt Ave (SR203) Corridor - South Greenway (Tolt Ave bridge to Entwisle St.)		Project Worksheet
Project No: *	Project Type: Street & Pedestrian Improvements	TIP Start Year = 2018
DESCRIPTION & PRIMARY PROJECT COMPONENTS: Construct approximately 3,450 LF of improvements on the eastside of the existing travel lanes to include new curbs, gutters, planting strip, and paved pathway; storm drainage improvements; partial aerial-to-underground utility conversion; illumination; planting and site furnishing. Project also includes construction of 1200 LF improvements on the westside of Tolt Ave between the bridge and pedestrian crossing at the fire station to include new curb, gutter, landscape restoration, and portions of roadway widening for on-street parking.		
JUSTIFICATION, BENEFITS, & SUSTAINABILITY: The Greenway project creates a planting strip buffer from the roadway to provide a safe and pedestrian-friendly place for walking and biking. Elements are proposed to slow bicyclists and alert users approaching from the south they are transitioning from a shared-use path to the wide urban sidewalk entering the commercial core. Project identified in the Tolt Avenue Action Plan and should be coordinated and developed consistent with details/elements of other planned Tolt Ave corridor improvement projects.		

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS	
FUNDING SOURCES										
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,112,500	\$ 1,112,500	
301 Fund - REET(1&2)								\$ 1,112,500	\$ 1,112,500	
109 Fund - TIF									\$ -	
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,337,500	\$ 3,337,500	
Secured Grants									\$ -	
Un-secured Grants								\$ 3,337,500	\$ 3,337,500	
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other <____>									\$ -	
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,450,000	\$ 4,450,000	
CAPITAL EXPENDITURES										
		<i>Capital Expenditure Reflect 2017 Dollars</i>								
Design (PE)								\$ 890,000	\$ 890,000	
Right of Way Acquisition (RW)								\$ 25,000	\$ 25,000	
Construction (CN)								\$ 3,535,000	\$ 3,535,000	
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,450,000	\$ 4,450,000	

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)

TIP #

Project Title: Tolt Ave. (SR 203) Corridor - North Greenway (Eastside: Rutherford to NE 55th)

Project Worksheet

Project No: *

Project Type: Street & Pedestrian Improvements

TIP Start Year = 2018

DESCRIPTION & PRIMARY PROJECT COMPONENTS:

Construct approximately 2,200 LF of improvements east of the existing travel lanes, including new curb, gutter, and formalized sections of on-street parking; minimum 4.5-foot planting strip and paved pathway; storm drainage improvements; partial aerial-to-underground utility conversion; illumination; planting and site furnishings.

JUSTIFICATION, BENEFITS, & SUSTAINABILITY:

The North Greenway extends the Tolt Avenue Greenway to provide improved pedestrian and bicycle access between downtown Carnation, Carnation Elementary School, and residential areas north of NE 55th Street. Portions of this project lie outside current City Limits within the UGA. Project identified in the Tolt Avenue Action Plan and should be coordinated and developed consistent with details/elements of other planned Tolt Ave corridor improvement projects.

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS	
FUNDING SOURCES										
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 600,000	
301 Fund - REET(1&2)								\$ 600,000	\$ 600,000	
109 Fund - TIF									\$ -	
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,800,000	\$ 1,800,000	
Secured Grants									\$ -	
Un-secured Grants								\$ 1,800,000	\$ 1,800,000	
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other <____>									\$ -	
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,400,000	\$ 2,400,000	
CAPITAL EXPENDITURES										
		<i>Capital Expenditure Reflect 2017 Dollars</i>								
Design (PE)								\$ 475,000	\$ 475,000	
Right of Way Acquisition (RW)									\$ -	
Construction (CN)								\$ 1,925,000	\$ 1,925,000	
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,400,000	\$ 2,400,000	

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)

TIP #

Project Title: Tolt Ave. (SR 203) Corridor - South Entry (Westside:Tolt McDonald Pk to Eugene)

Project Worksheet

Project No: *

Project Type: Street & Pedestrian Improvements

TIP Start Year = 2018

DESCRIPTION & PRIMARY PROJECT COMPONENTS:

Construct approximately 1,900 LF of improvements to enhance pedestrian network on the westside of Tolt Avenue (SR203). Improvements include portions of roadway widening for on-street parking; new curb, gutter, planting strip, and sidewalk; storm drainage improvements; and street trees and site furnishings.

JUSTIFICATION, BENEFITS, & SUSTAINABILITY:

The South Entry project enhances the pedestrian network on the westside of Tolt Avenue (SR203) from Tolt-McDonald park property to downtown Carnation. Improvements replace the existing sidewalk to provide a continuous, accessible sidewalk with plantings and street trees to buffer the pedestrian and create a more comfortable, welcoming street environment. Project identified in the Tolt Avenue Action Plan and should be coordinated and developed consistent with details/elements of other planned Tolt Ave corridor improvement projects.

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS	
FUNDING SOURCES										
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 312,500	\$ 312,500	
301 Fund - REET(1&2)								\$ 312,500	\$ 312,500	
109 Fund - TIF									\$ -	
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 937,500	\$ 937,500	
Secured Grants									\$ -	
Un-secured Grants								\$ 937,500	\$ 937,500	
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other <____>									\$ -	
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000	\$ 1,250,000	
CAPITAL EXPENDITURES										
		<i>Capital Expenditure Reflect 2017 Dollars</i>								
Design (PE)								\$ 250,000	\$ 250,000	
Right of Way Acquisition (RW)									\$ -	
Construction (CN)								\$ 1,000,000	\$ 1,000,000	
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000	\$ 1,250,000	

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)

TIP #

Project Title: Tolt Ave. (SR 203) Corridor - North Entry (Westside: Rutherford to NE 55th)

Project Worksheet

Project No: *

Project Type: Street & Pedestrian Improvements

TIP Start Year = 2018

DESCRIPTION & PRIMARY PROJECT COMPONENTS:

Construct approximately 1,875 LF of improvements to retrofit the westside of Tolt Ave (SR 203) with a new curb, gutter, planting strip, and sidewalk; storm drainage improvements; portions of street widening with a center landscaped median within the existing roadway; street trees and site furnishings.

JUSTIFICATION, BENEFITS, & SUSTAINABILITY:

The North Entry project creates an identity for people entering Carnation and signals that they have left the rural highway and entered an urban area. The existing, unimproved rural road is replaced with a tree-lined central median, and on-street parking to provide traffic calming to slow vehicles as they approach the downtown. Portions of this project lie outside current City Limits within the UGA. Project identified in the Tolt Avenue Action Plan and should be coordinated and developed consistent with details/elements of other planned Tolt Ave corridor improvement projects.

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS	
FUNDING SOURCES										
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 495,000	\$ 495,000	
301 Fund - REET(1&2)								\$ 495,000	\$ 495,000	
109 Fund - TIF									\$ -	
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,490,000	\$ 1,490,000	
Secured Grants									\$ -	
Un-secured Grants								\$ 1,490,000	\$ 1,490,000	
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other <____>									\$ -	
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,985,000	\$ 1,985,000	
CAPITAL EXPENDITURES										
		<i>Capital Expenditure Reflect 2017 Dollars</i>								
Design (PE)								\$ 375,000	\$ 375,000	
Right of Way Acquisition (RW)								\$ 75,000	\$ 75,000	
Construction (CN)								\$ 1,535,000	\$ 1,535,000	
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,985,000	\$ 1,985,000	

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)

TIP #

Project Title: NE 40th St. "Arterial" Reconstruction (Tolt Ave. to Larson Ave)

Project Worksheet

*Project No: **

Project Type: Street Improvements

TIP Start Year = **2018**

DESCRIPTION & PRIMARY PROJECT COMPONENTS:

Reconstruct and widen approximately 500 LF of NE 40th Street to include 2-12' asphalt travel lanes with bike lane, curb & gutters, and sidewalk; new storm drainage facilities, illumination upgrades, and signing/stripping.

JUSTIFICATION, BENEFITS, & SUSTAINABILITY:

This project will rehabilitate and improve the "arterial" portion of roadway that is narrow and has a "poor" pavement-condition rating. Benefits include upgraded paved roadway, stormwater management, and safer street for vehicles and pedestrian on this portion of NE 40th which provides access to the planned "Larson Ave Connector" project and Tolt-McDonald Park. Project should be coordinated with planned "Tolt Ave/Blanche St. intersection" project relative to alignment/configuration of Tolt Ave intersection.

The City could also consider combining this Reconstruction project with the overlay of the final 500' of road surface from Larson to the park entrance.

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS	
FUNDING SOURCES										
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 127,500	\$ 127,500	
301 Fund - REET(1&2)								\$ 127,500	\$ 127,500	
109 Fund - TIF									\$ -	
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 382,500	\$ 382,500	
Secured Grants									\$ -	
Un-secured Grants								\$ 382,500	\$ 382,500	
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other <____>									\$ -	
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 510,000	\$ 510,000	
CAPITAL EXPENDITURES										
		<i>Capital Expenditure Reflect 2017 Dollars</i>								
Design (PE)								\$ 85,000	\$ 85,000	
Right of Way Acquisition (RW)									\$ -	
Construction (CN)								\$ 425,000	\$ 425,000	
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 510,000	\$ 510,000	

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)

TIP #

Project Title: Bird Street "Festival Street" Reconstruction (Stossel to Stephens)

Project Worksheet

Project No: *

Project Type: Street Improvements - "Festival Street"

TIP Start Year = 2018

DESCRIPTION & PRIMARY PROJECT COMPONENTS:

Reconstruction of approximately 575 LF of Bird Street between Stephens Ave and Stossel Ave as a "festival street" to include special paving and a "curb-less" facility accommodating two travel lanes, parking, and sidewalk/furnishing zone; underground stormwater facilities; planters, lighting, and other pedestrian amenities; and signing/stripping.

JUSTIFICATION, BENEFITS, & SUSTAINABILITY:

Bird Street is the central public space in Carnation, connecting the Sno-Valley Senior Center, City Hall, downtown businesses, City Park, Hopelink, the Carnation Farmers Market, and Fred Hockert Park. Street prioritizes pedestrians with flexibly to accommodate a variety of functions, such as community gathering, pedestrian movement, resting, parking, events, and bus stop access. Project identified as an opportunistic project in the Tolt Ave. Action Plan and details/elements should be consistent with planned Tolt Ave CBD improvements.

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS	
FUNDING SOURCES										
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 345,000	\$ 345,000	
301 Fund - REET(1&2)								\$ 345,000	\$ 345,000	
109 Fund - TIF									\$ -	
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,030,000	\$ 1,030,000	
Secured Grants									\$ -	
Un-secured Grants								\$ 1,030,000	\$ 1,030,000	
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other <____>									\$ -	
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,375,000	\$ 1,375,000	
CAPITAL EXPENDITURES										
		<i>Capital Expenditure Reflect 2017 Dollars</i>								
Design (PE)								\$ 275,000	\$ 275,000	
Right of Way Acquisition (RW)									\$ -	
Construction (CN)								\$ 1,100,000	\$ 1,100,000	
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,375,000	\$ 1,375,000	

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)

TIP #

Project Title: Milwaukee Avenue Connector (NE 50th St. to 55th St.)

Project Worksheet

Project No: *

Project Type: Street Improvements - Capacity

TIP Start Year = 2018

DESCRIPTION & PRIMARY PROJECT COMPONENTS:

Construct approximately 1,500 LF of new roadway between NE 50th St and NE 55th St. to include 2-12' travel lanes with shoulders and sidewalk on one side; new storm drainage infiltration swales; illumination, and signing/stripping.

JUSTIFICATION, BENEFITS, & SUSTAINABILITY:

This project will accommodate future north-south travel as a parallel route to the State highway on the east side of the SR-203 for future development of Potential Annexation Area and connection to the existing roadway network. This street extension is development-driven and portions lie outside current City Limits within the UGA. Project identified in the transportation element of the comprehensive plan as a priority "capacity" project.

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS	
FUNDING SOURCES										
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 420,000	\$ 420,000	
301 Fund - REET(1&2)									\$ -	
109 Fund - TIF								\$ 420,000	\$ 420,000	
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,255,000	\$ 1,255,000	
Secured Grants									\$ -	
Un-secured Grants								\$ 1,255,000	\$ 1,255,000	
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other <____>									\$ -	
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,675,000	\$ 1,675,000	
CAPITAL EXPENDITURES										
		<i>Capital Expenditure Reflect 2017 Dollars</i>								
Design (PE)								\$ 275,000	\$ 275,000	
Right of Way Acquisition (RW)								\$ 100,000	\$ 100,000	
Construction (CN)								\$ 1,300,000	\$ 1,300,000	
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,675,000	\$ 1,675,000	

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)

TIP #

Project Title: 316th Avenue NE Connector (NE 55th St. to Morrison St.)

Project Worksheet

Project No: *

Project Type: Street Improvements - Capacity

TIP Start Year = 2018

DESCRIPTION & PRIMARY PROJECT COMPONENTS:

Construct approximately 1,400 LF of new roadway between NE 55th Street and W. Morrison St to include 2-12' travel lanes with shoulders and sidewalk on one side; new storm drainage infiltration swales; illumination, and signing/stripping.

JUSTIFICATION, BENEFITS, & SUSTAINABILITY:

This project will accommodate future north-south travel as a parallel route to the State highway on the west side of the SR-203 for future development of Potential Annexation Area and connection to the existing roadway network. This street extension is development-driven and portions lie outside current City Limits within the UGA. Project identified in the transportation element of the comprehensive plan as a priority "capacity" project.

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS	
FUNDING SOURCES										
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000	
301 Fund - REET(1&2)									\$ -	
109 Fund - TIF								\$ 500,000	\$ 500,000	
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000	
Secured Grants									\$ -	
Un-secured Grants								\$ 1,500,000	\$ 1,500,000	
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other <____>									\$ -	
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000	\$ 2,000,000	
CAPITAL EXPENDITURES										
		<i>Capital Expenditure Reflect 2017 Dollars</i>								
Design (PE)								\$ 400,000	\$ 400,000	
Right of Way Acquisition (RW)								\$ 100,000	\$ 100,000	
Construction (CN)								\$ 1,500,000	\$ 1,500,000	
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000	\$ 2,000,000	

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)

TIP #

Project Title: Tolt Ave (SR203) and Morrison Street Intersection Improvements

Project Worksheet

Project No: WA-06524

Project Type: Intersection Improvements - Capacity

TIP Start Year = 2018

DESCRIPTION & PRIMARY PROJECT COMPONENTS:

Construction of a traffic signal to the un-signalized intersection at Tolt Avenue (SR-203) and Morrison Street to interconnect with the signal at Tolt Ave and Entwistle St, and to include pavement reconstruction with curbs, gutters, and ADA compliant sidewalk ramps; installation of traffic signal; illumination upgrades; drainage modifications; and signing/stripping.

JUSTIFICATION, BENEFITS, & SUSTAINABILITY:

Project will improve operations and meet level of service capacity needs of future growth and build-out of the north part of Carnation. Requires prior WSDOT signal-warrant justification for signalization of this intersection. Project details/elements should to be developed consistent with other planned Tolt Ave Corridor improvement projects. Project identified in the transportation element of the comprehensive plan as a priority "capacity" project.

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS	
FUNDING SOURCES										
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 137,500	\$ 137,500	
301 Fund - REET(1&2)		\$ -	\$ -						\$ -	
109 Fund - TIF		\$ -	\$ -					\$ 137,500	\$ 137,500	
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 412,500	\$ 412,500	
Secured Grant - TIB									\$ -	
Un-secured Grants		\$ -	\$ -					\$ 412,500	\$ 412,500	
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other <_____>		\$ -	\$ -						\$ -	
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,000	\$ 550,000	
CAPITAL EXPENDITURES										
		<i>Capital Expenditure Reflect 2017 Dollars</i>								
Design (PE)								\$ 120,000	\$ 120,000	
Right of Way Acquisition (RW)									\$ -	
Construction (CN)								\$ 430,000	\$ 430,000	
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,000	\$ 550,000	

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)

TIP #

Project Title: Tolt Ave (SR203) and Blanche Street Intersection Improvements

Project Worksheet

Project No: WA-08868

Project Type: Intersection Improvements - Capacity

TIP Start Year = 2018

DESCRIPTION & PRIMARY PROJECT COMPONENTS:

Construction of a traffic circle to the un-signalized intersection at Tolt Avenue (SR- 203) and Blanche Street to interconnect with the signal at Tolt Ave and Entwistle St, and to include pavement reconstruction with curbs, gutters, and ADA compliant sidewalk ramps; installation of traffic signal or circle; illumination upgrades; drainage modifications; and signing/striping.

JUSTIFICATION, BENEFITS, & SUSTAINABILITY:

Project will improve operations and meet level of service capacity needs for the intersection. Requires prior WSDOT signal-warrant justification for signalization of this intersection. Project details/elements should to be developed consistent with other planned Tolt Ave corridor improvement projects. Project identified in the transportation element of the comprehensive plan as a priority "capacity" project.

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS
FUNDING SOURCES									
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 471,242	\$ 471,242
301 Fund - REET(1&2)									\$ -
109 Fund - TIF								\$ 471,242	\$ 471,242
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,413,727	\$ 1,413,727
Secured Grants									\$ -
Un-secured Grants								\$ 1,413,727	\$ 1,413,727
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other <____>									\$ -
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,884,969	\$ 1,884,969
CAPITAL EXPENDITURES									
		<i>Capital Expenditure Reflect 2017 Dollars</i>							
Design (PE)								\$ 196,035	\$ 196,035
Right of Way Acquisition (RW)								\$ 186,000	\$ 186,000
Construction (CN)								\$ 1,502,934	\$ 1,502,934
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,884,969	\$ 1,884,969

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)		TIP #
Project Title: East Bird Street Chipseal (Commercial to Milwaukee - 950 LF)		Project Worksheet
Project No: WA-08870	Project Type: Pavement Preservation	TIP Start Year = 2018
DESCRIPTION & PRIMARY PROJECT COMPONENTS: Construction of a 3" HMA overlay for approximately 950 LF of Bird Street including construct new ADA-compliant sidewalk ramps, and install pavement markings.		
JUSTIFICATION, BENEFITS, & SUSTAINABILITY: Bird Street serves as a local road linking the central residential neighborhoods to the east side of downtown and the pavement has a "poor" condition rating. Benefits include safer, ADA-compliant, sidewalk ramps/crossings, enhanced drive-ability, and extend pavement life by preventing further deterioration leading to the need for full reconstruct.		

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS
FUNDING SOURCES									
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ 2,000	\$ 5,200	\$ -	\$ -	\$ 7,200
301 Fund - REET(1&2)					\$ 2,000	\$ 5,200			\$ 7,200
109 Fund - TIF									\$ -
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ 18,000	\$ 46,800	\$ -	\$ -	\$ 64,800
Secured Grants									\$ -
Un-secured Grants					\$ 18,000	\$ 46,800			\$ 64,800
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other <_____>									\$ -
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 52,000	\$ -	\$ -	\$ 72,000
CAPITAL EXPENDITURES									
		<i>Capital Expenditure Reflect 2017 Dollars</i>							
Design (PE)					\$ 20,000				\$ 20,000
Right of Way Acquisition (RW)									\$ -
Construction (CN)						\$ 52,000			\$ 52,000
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 52,000	\$ -	\$ -	\$ 72,000

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)		TIP #
Project Title: East Reitze Street Chipseal (Milwaukee to Stossel - 1,100 LF)		Project Worksheet
Project No: WA-08871	Project Type: Pavement Preservation	TIP Start Year = 2018
DESCRIPTION & PRIMARY PROJECT COMPONENTS: Construction of a 3" HMA overlay for approximately 1100 LF of East Reitze Street including construction of new ADA-compliant sidewalk ramps, and installation of pavement markings.		
JUSTIFICATION, BENEFITS, & SUSTAINABILITY: Reitze Street serves as a local road extending from Stossel (collector street on the east side of downtown) linking to central residential neighborhoods and the pavement has a "poor" condition rating. Benefits include safer, ADA-compliant, sidewalk ramps/crossings, enhanced drive-ability, and extend pavement life by preventing further deterioration leading to the need for full reconstruct.		

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS
FUNDING SOURCES									
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ 2,000	\$ 6,250	\$ -	\$ -	\$ 8,250
301 Fund - REET(1&2)					\$ 2,000	\$ 6,250			\$ 8,250
109 Fund - TIF									\$ -
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ 18,000	\$ 56,250	\$ -	\$ -	\$ 74,250
Secured Grants									\$ -
Un-secured Grants					\$ 18,000	\$ 56,250			\$ 74,250
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other <_____>									\$ -
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 62,500	\$ -	\$ -	\$ 82,500
CAPITAL EXPENDITURES									
		<i>Capital Expenditure Reflect 2017 Dollars</i>							
Design (PE)					\$ 20,000				\$ 20,000
Right of Way Acquisition (RW)									\$ -
Construction (CN)						\$ 62,500			\$ 62,500
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 62,500	\$ -	\$ -	\$ 82,500

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)		TIP #
Project Title: West Rutherford Street Chipseal (Tolt to Stewart - 1,150 LF)		Project Worksheet
Project No: WA-08872	Project Type: Pavement Preservation	TIP Start Year = 2018
DESCRIPTION & PRIMARY PROJECT COMPONENTS: Construction of a 3" HMA overlay for approximately 1150 LF of W. Rutherford Street including construction of new ADA-compliant sidewalk ramps, and install pavement markings.		
JUSTIFICATION, BENEFITS, & SUSTAINABILITY: W. Rutherford Street serves as a local road extending from Stewart (collector street on the west side of downtown) linking to central residential neighborhoods. Benefits include safer, ADA-compliant, sidewalk ramps/crossings, enhanced drive-ability, and extend pavement life by preventing further deterioration leading to the need for full reconstruct.		

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS
FUNDING SOURCES									
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000	\$ 6,625	\$ -	\$ 8,625
301 Fund - REET(1&2)						\$ 2,000	\$ 6,625		\$ 8,625
109 Fund - TIF									\$ -
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,000	\$ 59,625	\$ -	\$ 77,625
Secured Grants									\$ -
Un-secured Grants						\$ 18,000	\$ 59,625		\$ 77,625
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other <_____>									\$ -
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 66,250	\$ -	\$ 86,250
CAPITAL EXPENDITURES									
		<i>Capital Expenditure Reflect 2017 Dollars</i>							
Design (PE)						\$ 20,000			\$ 20,000
Right of Way Acquisition (RW)									\$ -
Construction (CN)							\$ 66,250		\$ 66,250
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 66,250	\$ -	\$ 86,250

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)		TIP #
Project Title: Stossel Avenue Chipseal (Entwistle to Rutherford - 1,180 LF)		Project Worksheet
Project No: WA-08873	Project Type: Pavement Preservation	TIP Start Year = 2018
DESCRIPTION & PRIMARY PROJECT COMPONENTS: Construction of a 3" HMA overlay for approximately 800 LF of Stossel Avenue including construction of new ADA-compliant sidewalk ramps, and installation of pavement markings.		
JUSTIFICATION, BENEFITS, & SUSTAINABILITY: Stossel Avenue serves as a collector road east of Tolt Ave linking residential neighborhoods to downtown businesses. An overlay will enhance drive-ability and extend pavement life by preventing further deterioration leading to the need for full reconstruction. Benefits include enhanced drive-ability and safer, ADA-compliant, sidewalk ramps/crossings.		

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS
FUNDING SOURCES									
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000	\$ 7,000	\$ -	\$ 9,000
301 Fund - REET(1&2)						\$ 2,000	\$ 7,000		\$ 9,000
109 Fund - TIF									\$ -
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,000	\$ 63,000	\$ -	\$ 81,000
Secured Grants									\$ -
Un-secured Grants						\$ 18,000	\$ 63,000		\$ 81,000
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other <_____>									\$ -
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 70,000	\$ -	\$ 90,000
CAPITAL EXPENDITURES									
		<i>Capital Expenditure Reflect 2017 Dollars</i>							
Design (PE)						\$ 20,000			\$ 20,000
Right of Way Acquisition (RW)									\$ -
Construction (CN)							\$ 70,000		\$ 70,000
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 70,000	\$ -	\$ 90,000

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)

TIP #

Project Title: NE 40th Street Overlay (Larson Ave to Park Entry - 1,150 LF)

Project Worksheet

*Project No: **

Project Type: Street Improvements

TIP Start Year = **2018**

DESCRIPTION & PRIMARY PROJECT COMPONENTS:

Construction of a 3" HMA overlay for approximately 1,150 LF of NE 40th Street including construct new ADA-compliant sidewalk ramps, where required, and install pavement markings.

JUSTIFICATION, BENEFITS, & SUSTAINABILITY:

This portion of NE 40th Street serves as a collector local road that extends to park properties. The pavement has a "poor" condition rating and an overlay will enhanced drive-ability and extend pavement life by preventing further deterioration leading to the need for full reconstruct.

The City could consider combining this overlay of the final 500' of road surface with the NE 40th Street Reconstruction project from Tolt to Larson.

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS	
FUNDING SOURCES										
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,000	\$ 9,000	
301 Fund - REET(1&2)								\$ 9,000	\$ 9,000	
109 Fund - TIF									\$ -	
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 81,000	\$ 81,000	
Secured Grants									\$ -	
Un-secured Grants								\$ 81,000	\$ 81,000	
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other <____>									\$ -	
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ 90,000	
CAPITAL EXPENDITURES										
		<i>Capital Expenditure Reflect 2017 Dollars</i>								
Design (PE)								\$ 20,000	\$ 20,000	
Right of Way Acquisition (RW)									\$ -	
Construction (CN)								\$ 70,000	\$ 70,000	
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ 90,000	

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)

TIP #

Project Title: Local Street Repair & Maintenance

Project Worksheet

Project No: WA-03837

Project Type: Annual Street Repair & Maintenance

TIP Start Year = **2018**

DESCRIPTION & PRIMARY PROJECT COMPONENTS:

Implement regular pavement maintenance and repairs consisting of crack sealing, asphalt patching, or emergency spot repairs of various street citywide.
 Anticipated street segments include: East Morrison Street (Tolt to Spilman - 650 LF); East Morrison Street (Spilman to Milwaukee - 530 LF); West Commercial Street (Tolt to Stephens - 350 LF); Myrtle Street (Tolt Ave to Stosel - 850 LF); W. Commercial St. (Stewart to west end - 200 LF); Royal Court (Regal St. to cul-de-sac - 250 LF); Queen Court (Regal St. to cul-de-sac - 225 LF); Palace Court (Regal St. to cul-de-sac - 150 LF); Regency Place (Regal St. to cul-de-sac - 225 LF); NE 47th St. (326th Ave. to 327th Ave. - 300 LF); other unidentified preventative repair and maintenance.

JUSTIFICATION, BENEFITS, & SUSTAINABILITY:

Sealing cracks and performing patch repairs will extend the life of the pavement by stopping the intrusion of water into the sub-base.

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS
FUNDING SOURCES									
LOCAL FUNDS	\$ 25,000	\$ 25,000	\$ 25,600	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ -	\$ 175,600
<i>301 Fund - REET(1&2)</i>									\$ -
<i>101 Fund - Street Operating</i>	\$ 25,000	\$ 25,000	\$ 25,600	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000		\$ 175,600
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<i>Secured Grants</i>									\$ -
<i>Un-secured Grants</i>									\$ -
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<i>Other <____></i>									\$ -
TOTAL FUNDING SOURCES =	\$ 25,000	\$ 25,000	\$ 25,600	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ -	\$ 175,600
CAPITAL EXPENDITURES									
		<i>Capital Expenditure Reflect 2017 Dollars</i>							
<i>Design (PE)</i>									\$ -
<i>Right of Way Acquisition (RW)</i>									\$ -
<i>Construction (CN)</i>	\$ 25,000	\$ 25,600	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ -	\$ 175,600
TOTAL EXPENDITURES =	\$ 25,000	\$ 25,600	\$ 25,000	\$ -	\$ 175,600				

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)		TIP #
Project Title: East Entwistle (NE 45th) St. (329th Ave to 332nd Ave)		Project Worksheet
Project No: WA-03839	Project Type: Non-Motorized	TIP Start Year = 2018
DESCRIPTION & PRIMARY PROJECT COMPONENTS: Proposed improvements include installation of a 5 foot wide asphalt path separated from the roadway by an improved stormwater ditch/infiltration swale, shoulder restoration, installation of ADA compliant curb ramps, and adding three light standards to better illuminate the roadway and pedestrian sidewalk. Low Impact Development (LID) features will be incorporated where technically feasible to reduce runoff and provide water quality treatment.		
JUSTIFICATION, BENEFITS, & SUSTAINABILITY: This project would fill in a gap on the south side of the road between an existing sidewalk from the city center to 329th Ave and new sidewalk to be installed by developers between 332nd Avenue and 334th Avenue. This is the only available pedestrian route to City services for more than 50 homes and two planned subdivisions along Entwistle Street/Tolt River Road NE. Parents and children living along this roadway have united and expressed their concern to the City regarding the lack of a safe pedestrian access route along this roadway. The completed improvements will create a safer roadway and complete a walkway gap in support of a "walkable" community.		

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS
FUNDING SOURCES									
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ 15,750	\$ -	\$ -	\$ -	\$ -	\$ 15,750
301 Fund - REET(1&2)				\$ 15,750					\$ 15,750
109 Fund - TIF									\$ -
GRANT FUNDS	\$ -	\$ -	\$ -	\$ 110,250	\$ -	\$ -	\$ -	\$ -	\$ 110,250
Secured Grants									\$ -
Un-secured Grants				\$ 110,250					\$ 110,250
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other <_____>									\$ -
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ 126,000	\$ -	\$ -	\$ -	\$ -	\$ 126,000
CAPITAL EXPENDITURES									
		<i>Capital Expenditure Reflect 2017 Dollars</i>							
Design (PE)				\$ 35,000					\$ 35,000
Right of Way Acquisition (RW)									\$ -
Construction (CN)				\$ 91,000					\$ 91,000
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ 126,000	\$ -	\$ -	\$ -	\$ -	\$ 126,000

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)		TIP #
Project Title: City Wayfinding Signage Improvements		Project Worksheet
Project No: *	Project Type: Non-Motorized	TIP Start Year = 2018
DESCRIPTION & PRIMARY PROJECT COMPONENTS: Project consists of developing and installing wayfinding directional signs; en-route markers; information kiosks & gateways; and other signage to formalize and mark wayfinding for motorist and creating pedestrian-oriented walking routes within the City.		
JUSTIFICATION, BENEFITS, & SUSTAINABILITY: The wayfinding elements create a unified system that helps people know where they are, where they want to go, and how to get there. It serves the dual purpose of reinforcing Carnation's unique identity through materials, color, and design, as well as by calling out Carnation's assets. Project identified in the Tolt Avenue Action Plan. Planning/design for this project should precede, or be performed in conjunction with, the first implemented Action Plan project to both guide uniformity and implementing wayfinding elements with other future planned Tolt Ave corridor projects, as appropriate.		

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS	
FUNDING SOURCES										
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,500	\$ 47,500	
301 Fund - REET(1&2)								\$ 47,500	\$ 47,500	
109 Fund - TIF									\$ -	
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 142,500	\$ 142,500	
Secured Grants									\$ -	
Un-secured Grants								\$ 142,500	\$ 142,500	
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other <_____>									\$ -	
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190,000	\$ 190,000	
CAPITAL EXPENDITURES										
		<i>Capital Expenditure Reflect 2017 Dollars</i>								
Design (PE)								\$ 45,000	\$ 45,000	
Right of Way Acquisition (RW)									\$ -	
Construction (CN)								\$ 145,000	\$ 145,000	
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190,000	\$ 190,000	

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)		TIP #
Project Title: Tolt Ave.(SR 203) Corridor - North Walkway (55th to 60th)		Project Worksheet
Project No: *	Project Type: Non-Motorized	TIP Start Year = 2018
DESCRIPTION & PRIMARY PROJECT COMPONENTS: Construction of approximately 1300 LF of asphalt path along the east side of Tolt Ave (SR 203). Improvements include a 6-foot asphalt path with 10-foot wide landscaping/planting in a buffer strip between the path and roadway shoulder.		
JUSTIFICATION, BENEFITS, & SUSTAINABILITY: Tolt Avenue (SR 203) does not have a pedestrian route between NE 55th Street and NE 60th Street. Wide travel lanes and narrow, roadway shoulders result in high travel speeds and few pedestrian trips. This new pedestrian walkway will connect the adjacent residential areas with downtown Carnation. Project is outside current City Limits within the UGA and is identified in the Tolt Avenue Action Plan as a project "subsequent" to planned "Tolt Ave. North Entry" project. Improvements should be coordinated and developed consistent with details/elements of the other planned Tolt Ave corridor improvement projects.		

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS	
FUNDING SOURCES										
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,750	\$ 33,750	
301 Fund - REET(1&2)								\$ 33,750	\$ 33,750	
109 Fund - TIF									\$ -	
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 101,250	\$ 101,250	
Secured Grants									\$ -	
Un-secured Grants								\$ 101,250	\$ 101,250	
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other <_____>									\$ -	
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000	\$ 135,000	
CAPITAL EXPENDITURES										
		<i>Capital Expenditure Reflect 2017 Dollars</i>								
Design (PE)								\$ 45,000	\$ 45,000	
Right of Way Acquisition (RW)									\$ -	
Construction (CN)								\$ 90,000	\$ 90,000	
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000	\$ 135,000	

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)		TIP #
Project Title: Tolt Hill Road/SR 203 Intersection Improvements		Project Worksheet
Project No: *	Project Type:	TIP Start Year = 2018
DESCRIPTION & PRIMARY PROJECT COMPONENTS: Construct a traffic signal on SR 203 at Tolt Hill Road intersection.		
JUSTIFICATION, BENEFITS, & SUSTAINABILITY: The Tolt-Hill Rd intersection at SR 203 is an existing stop-control. During summer and fall weekends thousands of visitors converge on Remlinger's Farm, Tolt-McDonald Park, and other local destinations and generate heavy traffic hindering turning movements onto SR 203 (Tolt Avenue) and into Carnation. This project is not within the City limit nor within current City UGA boundary, but is identified in the Tolt Avenue Action Plan as an opportunistic project. Tolt Hill Road is within unincorporated King County and therefore this project is consider a partnership-project in which the City, if desired, could be a financial participate to a WSDOT and/or King County lead project. Requires WSDOT warrant justification for signalization of the intersection.		

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS	
FUNDING SOURCES										
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
301 Fund - REET(1&2)									\$ -	
109 Fund - TIF									\$ -	
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Secured Grants									\$ -	
Un-secured Grants									\$ -	
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other <_____>									\$ -	
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CAPITAL EXPENDITURES										
		<i>Capital Expenditure Reflect 2017 Dollars</i>								
Design (PE)								\$ 110,000	\$ 110,000	
Right of Way Acquisition (RW)									\$ -	
Construction (CN)								\$ 560,000	\$ 560,000	
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 670,000	\$ 670,000	

City of Carnation Transportation Improvement Plan

Six Year Transportation Improvement Program (STIP)	TIP #
Project Title: Tolt River Bridge Painting and Walkway Improvements	Project Worksheet
Project No: * _____ Project Type: _____	TIP Start Year = 2018
DESCRIPTION & PRIMARY PROJECT COMPONENTS: This project consists of painting the bridge and installing accent lighting to enhance character in creating a "gateway" at the south end of the City. Additional improvements include modifying the existing channelization across the bridge structure to provide an additional sidewalk to the eastside of the bridge.	
JUSTIFICATION, BENEFITS, & SUSTAINABILITY: Creates a "gateway" at the City's southern boundary. The existing bridge surface is rarely cleaned and an eyesore for people entering Carnation. Painting the bridge and incorporating lighting will enhance the character. The creation of a sidewalk on the eastside of the bridge strengthens the connection with other City planned Tolt Ave. corridor improvement projects. Only a portion of this project is within the City limit and is identified in the Tolt Avenue Action Plan as an opportunistic project. Maintenance and any modification to the bridge on SR 203 are under WSDOT authority, therefore this is consider a partnership project in which the City, if desired, could be a financial participate to a WSDOT lead project. Bridge alteration or modification require WSDOT approval.	

Activity:	Prior Year(s)	2018	2019	2020	2021	2022	2023	Beyond 2023	TOTALS
<u>FUNDING SOURCES</u>									
LOCAL FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
301 Fund - REET(1&2)									\$ -
109 Fund - TIF									\$ -
GRANT FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Secured Grants									\$ -
Un-secured Grants									\$ -
OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other <_____>									\$ -
TOTAL FUNDING SOURCES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<u>CAPITAL EXPENDITURES</u>									
		<i>Capital Expenditure Reflect 2017 Dollars</i>							
Design (PE)								\$ 290,000	\$ 290,000
Right of Way Acquisition (RW)									\$ -
Construction (CN)								\$ 1,250,000	\$ 1,250,000
TOTAL EXPENDITURES =	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,540,000	\$ 1,540,000

4. Six Year Transportation Improvement Program

a. City Council Resolution Adopting STIP 2018-2023

MLM
05/15/17

RESOLUTION NO. 415

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CARNATION, WASHINGTON, ADOPTING A SIX-YEAR TRANSPORTATION IMPROVEMENT PROGRAM FOR THE YEARS 2018 THROUGH 2023 AND DIRECTING THE SAME TO BE FILED WITH THE STATE SECRETARY OF TRANSPORTATION AND THE TRANSPORTATION IMPROVEMENT BOARD.

WHEREAS, it is the responsibility of the City Council of the City of Carnation to provide suitable and adequate street improvements and maintenance on dedicated streets within the city limits to the extent possible with available funds; and

WHEREAS, the Carnation City Council is committed to short and long range planning to protect, preserve, and enhance the roadways within the city; and

WHEREAS, the Six-Year Transportation Improvement Program is based on the City's adopted 20-Year Comprehensive Transportation Improvement Plan; and

WHEREAS, a SEPA Determination of Nonsignificance (DNS) for the Six Year Transportation Improvement Program (STIP) 2018-2023 was issued on May 24, 2017; and

WHEREAS, a public hearing was held on June 6, 2017, on the Six-Year Transportation Improvement Program as required by RCW 35.77.010; NOW, THEREFORE,

IT IS HEREBY RESOLVED BY THE CITY COUNCIL OF THE CITY OF CARNATION AS FOLLOWS:

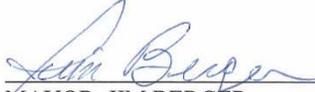
Section 1. Program Adopted. The Six Year Transportation Improvement Program for the City of Carnation, attached hereto as Exhibit A, and incorporated herein by this reference as if

fully set forth, sets forth the project location, type of improvement and estimated cost thereof, is hereby adopted and approved.

Section 2. Filing of Program. Pursuant to Chapter 35.77 RCW, within 30 days of the adoption of this resolution the City Clerk is hereby authorized and directed to file a copy of this resolution, together with the Exhibit attached hereto, with the Secretary of Transportation and the Transportation Improvement Board for the State of Washington.

ADOPTED BY THE CITY COUNCIL AT A REGULAR MEETING THEREOF THIS 20th DAY OF JUNE, 2017.

CITY OF CARNATION

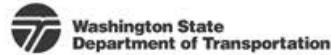

MAYOR, JIM BERGER

ATTEST/AUTHENTICATED:


CITY CLERK, MARY MADOLE

RESOLUTION NO.:.....415

b. Six Year Transportation Improvement Program (STIP) 2018-2023



Six Year Transportation Improvement Program From 2018 to 2023

Agency: Carnation

County: King

MPO/RTPO: PSRC

Y Inside

N Outside

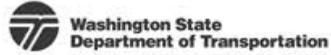
Functional Class	Priority Number	A. PIN/Project No. C. Project Title D. Road Name or Number E. Begin & End Terminals F. Project Description	B. STIP ID G. Structure ID	Hearing	Adopted	Amendment	Resolution No.	Improvement Type	Utility Codes	Total Length	Environmental Type	RW Required
06	1	SR 203/Tolt Avenue Central Business District Improvements Tolt Avenue (SR 203) Eugene Street to Rutherford Street Construct full street improvements through the City's Central Business District with hardscape improvements, including: street re-grading and paving; power undergrounding; street and pedestrian lighting; storm drainage infrastructure; street trees and planting; and site furnishings. This project establishes Carnation's CBD as a destination with a new streetscape that supports on-street and offstreet activities. Drivers entering the CBD from both directions will encounter a new concrete roadway that suggests Tolt Avenue as an urban main street. The transition to a concrete roadway and introduction of on-street parking along both sides of Tolt Avenue between Entwistle Street and Commercial Street are designed to let users know they have entered the commercial core. Narrowed travel and parking lanes also provide traffic calming and allow the expansion of the existing pedestrian realm.	WA-03830	06/06/17	06/20/17		415	04	C G P S T W	0.260	DCE	Yes

Funding								
Status	Phase	Phase Start Year (YYYY)	Federal Fund Code	Federal Funds	State Fund Code	State Funds	Local Funds	Total Funds
P	RW	2018		0	WSDOT	125,000	0	125,000
P	CN	2019	STP(R)	1,410,000	WSDOT	1,285,000	880,000	3,575,000
P	CN	2019		0	TIB	700,000	0	700,000
S	CN	2019		0	WSDOT	200,000	0	200,000
Totals				1,410,000		2,310,000	880,000	4,600,000

Expenditure Schedule					
Phase	1st	2nd	3rd	4th	5th & 6th
RW	125,000	0	0	0	0
CN	0	4,475,000	0	0	0
Totals	125,000	4,475,000	0	0	0

Report Date: June 23, 2017

Page 1



Six Year Transportation Improvement Program From 2018 to 2023

Agency: Carnation

County: King

MPO/RTPO: PSRC

Y Inside

N Outside

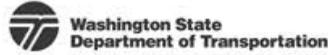
Functional Class	Priority Number	A. PIN/Project No. C. Project Title D. Road Name or Number E. Begin & End Termini F. Project Description	B. STIP ID G. Structure ID	Hearing	Adopted	Amendment	Resolution No.	Improvement Type	Utility Codes	Total Length	Environmental Type	R/W Required
09	2	West Morrison Street Reconstruction Tolt Ave (SR 203) to Stewart Ave Reconstruct and widen approximately 1200 LF of W. Morrison Street to include 2-10' asphalt travel lanes; shoulder parking; new stormwater infiltration swales; 5' walkway on one side; illumination upgrades, and signing/stripping. This project will rehabilitate and improve a roadway that is narrow and has a "poor" pavement-condition rating. Benefits include upgraded paved roadway, stormwater management, and safer street for vehicles and pedestrians.	WA-08869	06.06/17	06.20/17		415	04	C G P S T W	0.230	DCE	No

Funding									
Status	Phase	Phase Start Year (YYYY)	Federal Fund Code	Federal Funds	State Fund Code	State Funds	Local Funds	Total Funds	
P	PE	2018		0	TIB	46,750	15,250	61,000	
P	CN	2018		0	TIB	449,250	149,750	599,000	
Totals				0		495,000	165,000	660,000	

Expenditure Schedule					
Phase	1st	2nd	3rd	4th	5th & 6th
PE	61,000	0	0	0	0
CN	599,000	0	0	0	0
Totals	660,000	0	0	0	0

Report Date: June 23, 2017

Page 2



Six Year Transportation Improvement Program From 2018 to 2023

Agency: Carnation

County: King

MPO/RTPO: PSRC

Y Inside

N Outside

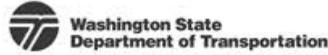
Functional Class	Priority Number	A. PIN/Project No. C. Project Title D. Road Name or Number E. Begin & End Termini F. Project Description	B. STIP ID G. Structure ID	Hearing	Adopted	Amendment	Resolution No.	Improvement Type	Utility Codes	Total Length	Environmental Type	R/W Required
06	3	<p>East Entwistle Non-Motorized Improvements</p> <p>East Entwistle Street</p> <p>329th Avenue NE to 334th Avenue NE</p> <p>Construct 5 foot wide asphalt path separated from the roadway by an improved stormwater ditch/infiltration swale, shoulder restoration, installation of ADA compliant curb ramps, and adding three light standards to better illuminate the roadway and pedestrian sidewalk. Low impact features will be incorporated where technically feasible to reduce runoff and provide water quality treatment. This project will connect gaps in existing sidewalk along East Entwistle Street, from 329th Avenue NE to 331st Avenue NE and 333rd Avenue NE to 334th Avenue NE.</p>	WA-03839	06.06/17	06.20/17		415	28	C G P S T W	0.340	CE	No

Funding								
Status	Phase	Phase Start Year (YYYY)	Federal Fund Code	Federal Funds	State Fund Code	State Funds	Local Funds	Total Funds
P	PE	2020		0	TIB	26,250	8,750	35,000
P	CN	2020		0	TIB	68,250	22,750	91,000
Totals				0		94,500	31,500	126,000

Expenditure Schedule					
Phase	1st	2nd	3rd	4th	5th & 6th
PE	0	0	35,000	0	0
CN	0	0	91,000	0	0
Totals	0	0	126,000	0	0

Report Date: June 23, 2017

Page 3



Six Year Transportation Improvement Program From 2018 to 2023

Agency: Carnation

County: King

MPO/RTPO: PSRC

Y Inside

N Outside

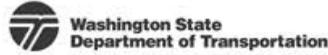
Functional Class	Priority Number	A. PIN/Project No. C. Project Title D. Road Name or Number E. Begin & End Termini F. Project Description	B. STIP ID G. Structure ID	Hearing	Adopted	Amendment	Resolution No.	Improvement Type	Utility Codes	Total Length	Environmental Type	R/W Required
09	4	<p>East Bird Street Chipseal</p> <p>East Bird Street</p> <p>East Commercial Street to Milwaukee Avenue</p> <p>Construction of a 3" HMA overlay for approximately 950 LF of Bird Street including new ADA-compliant sidewalk ramps, and installation of pavement markings. Bird Street serves as a local road linking the central residential neighborhoods to the east side of downtown and the pavement has a "poor" condition rating. Benefits include safer, ADA-compliant, sidewalk ramps/crossings, enhanced drive-ability, and extend pavement life by preventing further deterioration leading to the need for full reconstruct.</p>	WA-08870	06.06/17	06.20/17		415	05	C G P S T W	0.180	DCE	No

Funding								
Status	Phase	Phase Start Year (YYYY)	Federal Fund Code	Federal Funds	State Fund Code	State Funds	Local Funds	Total Funds
P	PE	2021		0	TIB	18,000	2,000	20,000
P	CN	2022		0	TIB	46,800	5,200	52,000
Totals				0		64,800	7,200	72,000

Expenditure Schedule					
Phase	1st	2nd	3rd	4th	5th & 6th
PE	0	0	0	20,000	0
CN	0	0	0	0	52,000
Totals	0	0	0	20,000	52,000

Report Date: June 23, 2017

Page 4



Six Year Transportation Improvement Program From 2018 to 2023

Agency: Carnation

County: King

MPO/RTPO: PSRC

Y Inside

N Outside

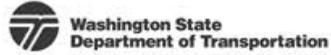
Functional Class	Priority Number	A. PIN/Project No. C. Project Title D. Road Name or Number E. Begin & End Termini F. Project Description	B. STIP ID G. Structure ID	Hearing	Adopted	Amendment	Resolution No.	Improvement Type	Utility Codes	Total Length	Environmental Type	R/W Required
09	5	<p>East Reitze Street Chip seal</p> <p>East Reitze Street</p> <p>Milwaukee Avenue to Stossel Avenue</p> <p>Construction of a 3" HMA overlay for approximately 1100 LF of East Reitze Street including construction of new ADA-compliant sidewalk ramps, and installation of pavement markings. Reitze Street serves as a local road extending from Stossel (collector street on the east side of downtown) linking to central residential neighborhoods and the pavement has a "poor" condition rating. Benefits include safer, ADA-compliant, sidewalk ramps/crossings, enhanced drive-ability, and extend pavement life by preventing further deterioration leading to the need for full reconstruct.</p>	WA-08871	06/06/17	06/20/17		415	05	C G P S T W	0.210	DCE	No

Funding								
Status	Phase	Phase Start Year (YYYY)	Federal Fund Code	Federal Funds	State Fund Code	State Funds	Local Funds	Total Funds
P	PE	2021		0	TIB	18,000	2,000	20,000
P	CN	2021		0	TIB	6,250	56,250	62,500
Totals				0		24,250	58,250	82,500

Expenditure Schedule					
Phase	1st	2nd	3rd	4th	5th & 6th
PE	0	0	0	20,000	0
CN	0	0	0	0	62,500
Totals	0	0	0	20,000	62,500

Report Date: June 23, 2017

Page 5



Six Year Transportation Improvement Program From 2018 to 2023

Agency: Carnation

County: King

MPO/RTPO: PSRC

Y Inside

N Outside

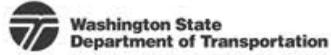
Functional Class	Priority Number	A. PIN/Project No. C. Project Title D. Road Name or Number E. Begin & End Termini F. Project Description	B. STIP ID G. Structure ID	Hearing	Adopted	Amendment	Resolution No.	Improvement Type	Utility Codes	Total Length	Environmental Type	R/W Required
09	6	West Rutherford Street Chipseal West Rutherford Street To It Ave (SR 203) to Stewart Avenue Construction of a 3" HMA overlay for approximately 1150 LF of W. Rutherford Street including construction of new ADA-compliant sidewalk ramps, and installation of pavement markings. W. Rutherford Street serves as a local road extending from Stewart (collector street on the west side of downtown) linking to central residential neighborhoods. Benefits include safer, ADA-compliant, sidewalk ramps/crossings, enhanced drive-ability, and extend pavement life by preventing further deterioration leading to the need for full reconstruct.	WA-08872	06/06/17	06/20/17		415	05	C G P S T W	0.220	DCE	No

Funding								
Status	Phase	Phase Start Year (YYYY)	Federal Fund Code	Federal Funds	State Fund Code	State Funds	Local Funds	Total Funds
P	PE	2022		0	TIB	18,000	2,000	20,000
P	CN	2023		0	TIB	59,625	6,625	66,250
Totals				0		77,625	8,625	86,250

Expenditure Schedule					
Phase	1st	2nd	3rd	4th	5th & 6th
PE	0	0	0	0	20,000
CN	0	0	0	0	66,250
Totals	0	0	0	0	86,250

Report Date: June 23, 2017

Page 6



Six Year Transportation Improvement Program From 2018 to 2023

Agency: Carnation

County: King

MPO/RTPO: PSRC

Y Inside

N Outside

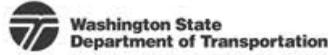
Functional Class	Priority Number	A. PIN/Project No. C. Project Title D. Road Name or Number E. Begin & End Termini F. Project Description	B. STIP ID G. Structure ID	Hearing	Adopted	Amendment	Resolution No.	Improvement Type	Utility Codes	Total Length	Environmental Type	R/W Required
09	7	Stossel Avenue Chipseal Stossel Avenue East Entwistle Street to Rutherford Street Construction of a 3" HMA overlay for approximately 1200 LF of Stossel Avenue including construction of new ADA-compliant sidewalk ramps, and installation of pavement markings. Stossel Avenue serves as a collector road east of Tolt Ave linking residential neighborhoods to downtown businesses. An overlay will enhance drive-ability and extend pavement life by preventing further deterioration leading to the need for full reconstruction. Benefits include enhanced drive-ability and safer, ADA-compliant, sidewalk ramps/crossings.	WA-08873	06.06/17	06.20/17		415	05	C G P S T W	0.210	DCE	No

Funding								
Status	Phase	Phase Start Year (YYYY)	Federal Fund Code	Federal Funds	State Fund Code	State Funds	Local Funds	Total Funds
P	PE	2022		0	TIB	18,000	2,000	20,000
P	CN	2023		0	TIB	63,000	7,000	70,000
Totals				0		81,000	9,000	90,000

Expenditure Schedule					
Phase	1st	2nd	3rd	4th	5th & 6th
PE	0	0	0	0	20,000
CN	0	0	0	0	70,000
Totals	0	0	0	0	90,000

Report Date: June 23, 2017

Page 7



Six Year Transportation Improvement Program From 2018 to 2023

Agency: Carnation

County: King

MPO/RTPO: PSRC

Y Inside

N Outside

Functional Class	Priority Number	A. PIN/Project No. C. Project Title D. Road Name or Number E. Begin & End Termini F. Project Description	B. STIP ID G. Structure ID	Hearing	Adopted	Amendment	Resolution No.	Improvement Type	Utility Codes	Total Length	Environmental Type	R/W Required
09	8	Preventative Repair & Maintenance Citywide to Implement regular pavement maintenance and repairs consisting of crack sealing, asphalt patching, or emergency spot repairs of various street citywide. Anticipated street segments include: Royal Court (Regal to cul-de-sac); Queen Court (Regal to cul-de-sac); King Ct (Regal to cul-de-sac); Palace Court (Regal to cul-de-sac); Regency Place (Regal to cul-de-sac); E Morrison St (Toit to Milwaukee); Myrtle St (Toit to Stosse); W Commercial St (Toit to west end); NE 47th St (326th to 327th); 326th Ave NE (NE 50th to cul-de-sac); 329th Ave NE (Entwistle St to NE 40th Pl); Bird St (Toit to Stephens); E Commercial St (Entwistle to Toit); Entwistle St (326th to Spilman); Spilman Ave (Morrison to School Admin); Stephens Ave (W Entwistle to Commercial)	WA-03837	06/06/17	06/20/17		415	05	G S W	3.000	CE	No

Funding								
Status	Phase	Phase Start Year (YYYY)	Federal Fund Code	Federal Funds	State Fund Code	State Funds	Local Funds	Total Funds
P	CN	2018		0	T1B	135,000	15,000	150,000
Totals				0		135,000	15,000	150,000

Expenditure Schedule					
Phase	1st	2nd	3rd	4th	5th & 6th
CN	25,000	25,000	25,000	25,000	50,000
Totals	25,000	25,000	25,000	25,000	50,000

	Federal Funds	State Funds	Local Funds	Total Funds
Grand Totals for Carnation	1,410,000	3,282,175	1,174,575	5,866,750

Report Date: June 23, 2017

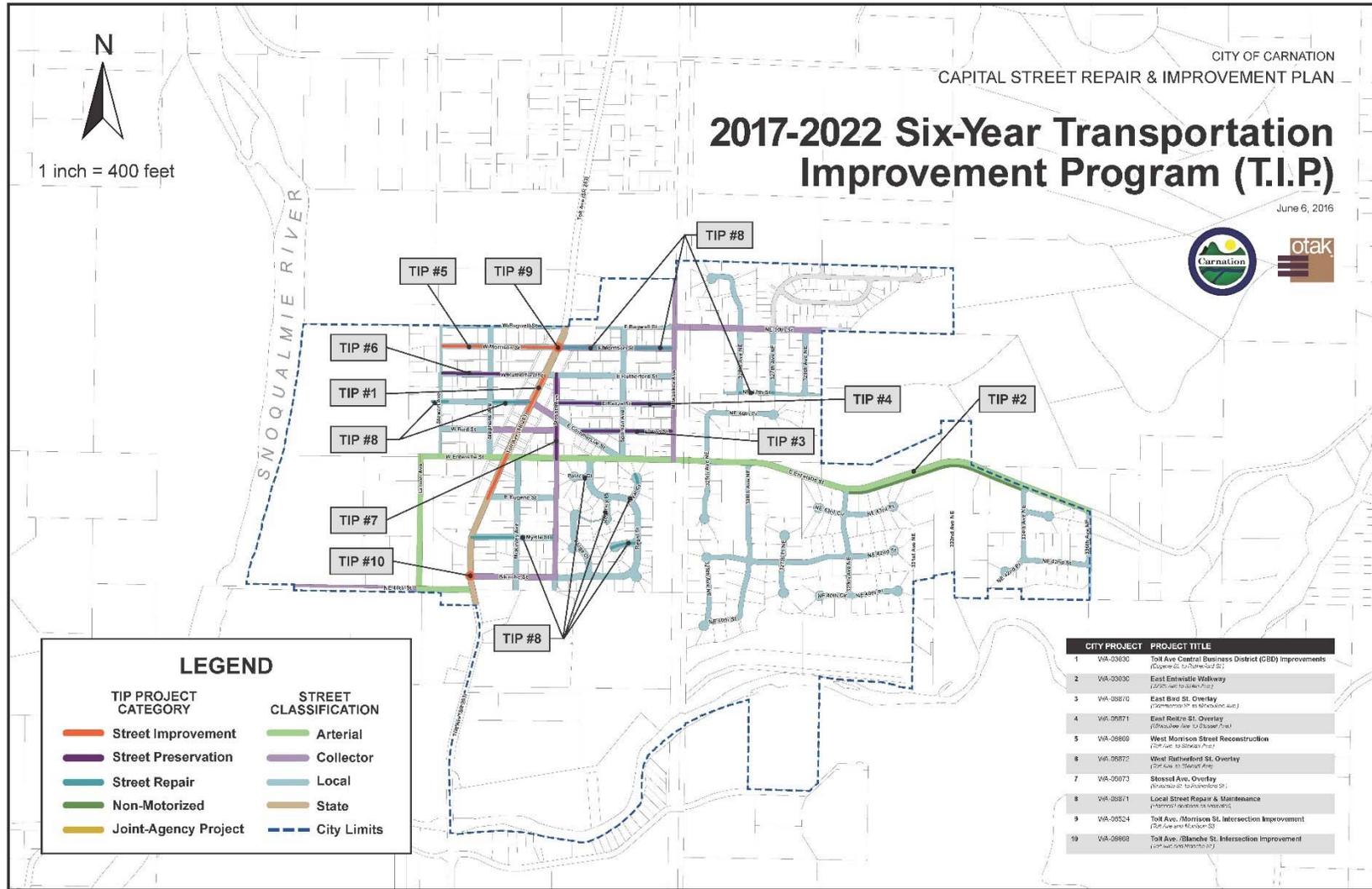
Page 8

c. Financial Analysis and Forecast Summary for STIP

Financial Analysis and Forecast
Six Year Transportation Improvement Program (STIP) 2018-2023

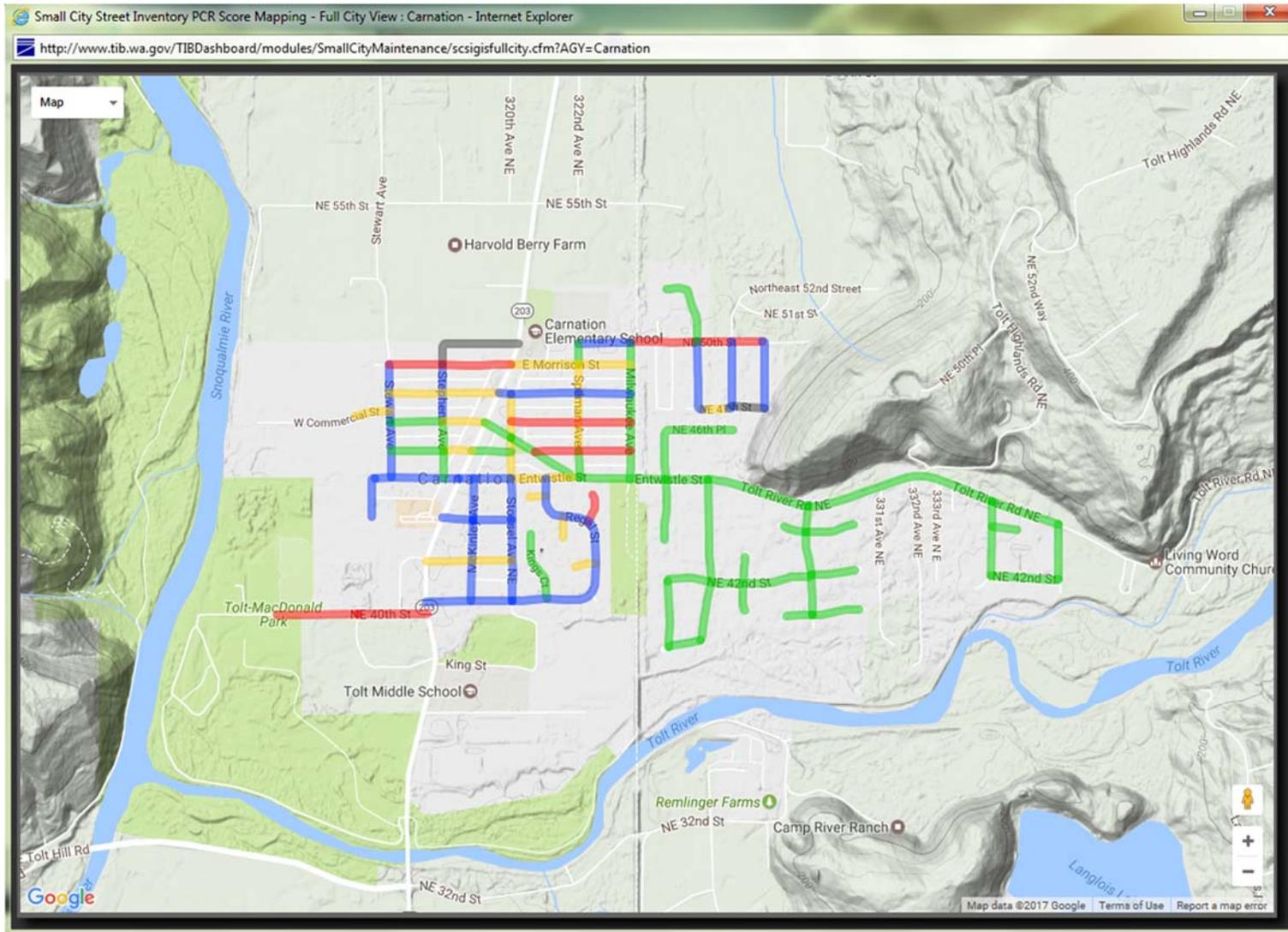
	Actual 2015	Actual 2016	Estimated 2017	Estimated 2018	Estimated 2019	Estimated 2020	Estimated 2021	Estimated 2022	Estimated 2023	Six-Year Period Total
301 CAPITAL IMPROVEMENT FUND										
Available Cash Balance - 301 Fund	\$ 350,218	\$ 274,817	\$ 459,475	\$ 726,679	\$ 734,329	\$ 8,329	\$ 126,579	\$ 226,579	\$ 305,129	
Revenues - 301 Fund										
REET (1 & 2)	\$ 120,661	\$ 237,848	\$ 300,000	\$ 200,000	\$ 180,000	\$ 160,000	\$ 130,000	\$ 120,000	\$ 120,000	\$ 910,000
Tolt Ave CBD PSRC (PE)	\$ 48,122	\$ 323,917	\$ 362,961	\$ 250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250
Tolt Ave CBD Improvements (RW, CN)	\$ -	\$ -	\$ -	\$ 125,000	\$ 3,395,000	\$ -	\$ -	\$ -	\$ -	\$ 3,520,000
Tolt Ave CBD WSDOT '14 Paving Savings Federal STP (CN)	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000
West Morrison Reconstruction (PE & CN)	\$ -	\$ -	\$ -	\$ 495,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 495,000
East Entwistle Non-Motorized Improvements (PE & CN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,250	\$ -	\$ -	\$ -	\$ 110,250
Bird Street Chipseal (PE & CN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,000	\$ 46,800	\$ -	\$ 64,800
Reitze Street Chipseal (PE & CN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,000	\$ 56,250	\$ -	\$ 74,250
West Rutherford Chipseal (PE & CN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,000	\$ 59,625	\$ 77,625
Stossel Avenue Chipseal (PE & CN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,000	\$ 63,000	\$ 81,000
Spilman Pathway SRTS	\$ -	\$ 290,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
East Rutherford Reconstruction TIB	\$ -	\$ 279,216	\$ 22,912	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
East Entwistle Overlay TIB	\$ -	\$ 18,704	\$ 137,093	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Investment & Bond Interest)	\$ 4,265	\$ 793	\$ 2,700	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 12,000
Total Revenues	\$ 173,048	\$ 1,150,479	\$ 825,666	\$ 822,250	\$ 3,777,000	\$ 272,250	\$ 168,000	\$ 261,050	\$ 244,625	\$ 5,545,175
Expenses - 301 Fund										
Tolt Corridor CBD Improvements (PE)	\$ (194,300)	\$ (256,958)	\$ (397,742)	\$ (1,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,000)
Tolt Corridor CBD Improvements (CN)	\$ -	\$ -	\$ -	\$ (125,000)	\$ (4,475,000)	\$ -	\$ -	\$ -	\$ -	\$ (4,600,000)
West Morrison Reconstruction (PE & CN)	\$ -	\$ -	\$ -	\$ (660,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (660,000)
E Entwistle Non-Motorized Improvements (PE & CN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (126,000)	\$ -	\$ -	\$ -	\$ (126,000)
Bird Street Overlay (PE & CN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (20,000)	\$ (52,000)	\$ -	\$ (72,000)
Reitze Street Overlay (PE & CN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (20,000)	\$ (62,500)	\$ -	\$ (82,500)
West Rutherford Overlay (PE & CN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (20,000)	\$ (66,250)	\$ (86,250)
Stossel Avenue Overlay (PE & CN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (20,000)	\$ (70,000)	\$ (90,000)
Identified Preventative Maintenance Projects (PE & CN)	\$ -	\$ -	\$ (27,600)	\$ (25,600)	\$ (21,400)	\$ -	\$ -	\$ -	\$ -	\$ (47,000)
Unidentified Preventative Maintenance Projects (PE & CN)	\$ -	\$ -	\$ -	\$ -	\$ (3,600)	\$ (25,000)	\$ (25,000)	\$ (25,000)	\$ (25,000)	\$ (103,600)
Spilman Avenue Pathway (PE)	\$ (44,317)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Spilman Avenue Pathway (CN)	\$ (6,834)	\$ (305,879)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Speed Radar Sign, south end	\$ -	\$ (4,694)	\$ (25,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
East Rutherford Construction (PE)	\$ -	\$ (87,044)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
East Rutherford Construction (CN)	\$ -	\$ (253,165)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
East Entwistle Overlay (PE & CN)	\$ -	\$ (58,069)	\$ (105,069)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Bond Fees, Prof Svcs)	\$ (2,999)	\$ (12)	\$ (3,050)	\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (18,000)
Total Expenses	\$ (248,450)	\$ (965,821)	\$ (558,461)	\$ (814,600)	\$ (4,503,000)	\$ (154,000)	\$ (68,000)	\$ (182,500)	\$ (164,250)	\$ (5,886,350)
Ending Cash Balance - 301 Capital Improvement	\$ 274,817	\$ 459,475	\$ 726,679	\$ 734,329	\$ 8,329	\$ 126,579	\$ 226,579	\$ 305,129	\$ 385,504	

d. STIP 2018-2023 Project Map



(2017-2022 Map)

Appendix A - Pavement Rating Condition Assessment Map



(Map does not reflect 2015 improvements to NE 50th Street or Spilman Avenue)

Appendix B - Street Inventory

City of Carnation		Small City Street Inventory - Segment Data <i>(from Washington State Transportation Improvement Board)</i>																										
Ratings reflect the Transportation Improvement Board (TIB) Small City Maintenance Street Inventory, with some adjustments. The inventory consists of a Pavement Conditions Rating (PCR) as provided for in the WSDOT Pavement Surface Condition Rating Manual and based on a visual inspected by a TIB region engineer. The Pavement Condition Ratings system and recommended treatment is as follows:																												
<table style="width:100%; border:none;"> <tr> <td style="width:50%;"></td> <td style="width:16.6%;">Greater than 90</td> <td style="width:16.6%;">Excellent Condition</td> <td style="width:16.6%;">No treatment needed;</td> </tr> <tr> <td></td> <td>Between 70 and 90</td> <td>Good Condition</td> <td>No treatment needed</td> </tr> <tr> <td></td> <td>Between 50 and 70</td> <td>Fair Condition</td> <td>Chip Seal</td> </tr> <tr> <td></td> <td>Between 25 and 50</td> <td>Poor Condition</td> <td>Overlay or FDR</td> </tr> <tr> <td></td> <td>Less than 25</td> <td>Needs reconstruction</td> <td>Reconstruction or FDR</td> </tr> </table>										Greater than 90	Excellent Condition	No treatment needed;		Between 70 and 90	Good Condition	No treatment needed		Between 50 and 70	Fair Condition	Chip Seal		Between 25 and 50	Poor Condition	Overlay or FDR		Less than 25	Needs reconstruction	Reconstruction or FDR
	Greater than 90	Excellent Condition	No treatment needed;																									
	Between 70 and 90	Good Condition	No treatment needed																									
	Between 50 and 70	Fair Condition	Chip Seal																									
	Between 25 and 50	Poor Condition	Overlay or FDR																									
	Less than 25	Needs reconstruction	Reconstruction or FDR																									
(Yellow Shading indicates project included in STIP)																												
Arterial	Termini	Segment Length	Travel Lanes	Pavement Width	Roadway Surface	PCR Score	Rating Status	Date Rated																				
325TH AVE NE	ENTWISTLE ST to CUL-DE-SAC	0.111	2	28	ACP	81	Good	4/10/2014																				
325TH AVE NE	NE 42ND ST to NE 40TH ST	0.12	2	28	ACP	81	Good	4/10/2014																				
325TH AVE NE/NE 46TH PL	ENTWISTLE ST to CUL-DE-SAC	0.213	2	28	ACP	81	Good	4/10/2014																				
326TH AVE NE	ENTWISTLE ST to NE 40TH ST	0.364	2	28	ACP	90	Good	4/10/2014																				
326TH AVE NE	NE 47TH ST to NE 50TH ST	0.118	2	21	ACP	100	Excellent	4/10/2014																				
326TH AVE NE	NE 50TH STREET to CUL-DE-SAC	0.12	2	28	ACP	72	Good	4/10/2014																				
327TH AVE NE	NE 47TH ST to NE 50TH ST	0.118	2	21	ACP	100	Excellent	4/10/2014																				
327TH PL NE	CUL-DE-SAC to CUL-DE-SAC	0.109	2	28	ACP	81	Good	4/10/2014																				
328TH AVE NE	NE 47TH ST to NE 50TH ST	0.118	2	34	ACP	100	Excellent	4/10/2014																				
329TH AVE NE	ENTWISTLE ST to NE 40TH PLACE	0.202	2	28	ACP	77	Good	4/10/2014																				
334TH AVE NE	ENTWISTLE ST to NE 42ND ST	0.138	2	21	ACP	81	Good	4/10/2014																				
336TH AVE NE	ENTWISTLE ST to NE 42ND ST	0.167	2	32	ACP	81	Good	4/10/2014																				
BAGWELL ST	MILWAUKEE AVE to SPILMAN AVE	0.09	2	22	ACP	100	Excellent	4/10/2014																				
BAGWELL ST	TOLT AVE to MORRISON ST	0.235	1	13	Gravel	0	Not Rated	4/11/2014																				
BIRD ST	MILWAUKEE AVE to COMMERCIAL ST	0.18	2	16	ACP	44	Poor	4/10/2014																				
BIRD ST	STEPHENS AVE to STEWART AVE	0.101	2	21	ACP	86	Good	4/10/2014																				
BIRD ST	STOSSEL ST to TOLT AVE	0.06	2	50	ACP	81	Good	4/10/2014																				
BIRD ST	TOLT AVE to STEPHENS AVE	0.047	2	35	ACP	63	Fair	4/10/2014																				

City of Carnation

Small City Street Inventory - Segment Data (from Washington State Transportation Improvement Board)

Ratings reflect the Transportation Improvement Board (TIB) Small City Maintenance Street Inventory, with some adjustments. The inventory consists of a Pavement Conditions Rating (PCR) as provided for in the WSDOT Pavement Surface Condition Rating Manual and based on a visual inspected by a TIB region engineer. The Pavement Condition Ratings system and recommended treatment is as follows:

Greater than 90	Excellent Condition	No treatment needed;
Between 70 and 90	Good Condition	No treatment needed
Between 50 and 70	Fair Condition	Chip Seal
Between 25 and 50	Poor Condition	Overlay or FDR
Less than 25	Needs reconstruction	Reconstruction or FDR

(Yellow Shading indicates project included in STIP)

Arterial	Termini	Segment Length	Travel Lanes	Pavement Width	Roadway Surface	PCR Score	Rating Status	Date Rated
BLANCHE ST	STOSSEL ST to TOLT AVE	0.158	2	40	ACP	100	Excellent	4/10/2014
COMMERCIAL ST	ENTWISTLE ST to STOSSEL ST	0.13	2	30	ACP	77	Good	4/10/2014
COMMERCIAL ST	STEPHENS AVE to STEWART AVE	0.11	2	30	ACP	77	Good	4/10/2014
COMMERCIAL ST	TOLT AVE to STEPHENS ST	0.063	2	34	ACP	68	Fair	4/10/2014
COMMERCIAL ST	TOLT AVE to STOSSEL ST	0.05	2	30	ACP	77	Good	4/10/2014
COMMERCIAL ST	WEST END OF ROAD to STEWART AVE	0.04	2	12	ACP	63	Fair	4/10/2014
ENTWISTLE ST	326TH ST to 329TH AVE NE	0.19	2	26	ACP	72	Good	4/10/2014
ENTWISTLE ST	329TH ST to 334TH AVE NE	0.676	2	26	ACP	72	Good	4/10/2014
ENTWISTLE ST	334TH ST to 336TH AVE NE	0.11	2	26	ACP	72	Good	4/10/2014
ENTWISTLE ST	SPILMAN AVE to 326TH AVE	0.25	2	36	ACP	72	Good	4/10/2014
ENTWISTLE ST	STOSSEL AVE to SPILMAN AVE	0.11	2	36	ACP	54	Fair	4/10/2014
ENTWISTLE ST	TOLT AVE to STOSSEL AVE	0.21	2	36	ACP	100	Excellent	4/10/2014
ENTWISTLE ST	TOLT AVE to LARSON AVE	0.124	2	38	ACP	100	Excellent	4/10/2014
EUGENE ST	MCKINLEY AVE to STOSSEL AVE	0.07	2	24	ACP	100	Excellent	4/10/2014
EUGENE ST	TOLT AVE to MCKINLEY AVENUE	0.06	2	38	ACP	100	Excellent	4/11/2014
KING CT	REGAL ST to CUL-DE-SAC	0.128	2	34	ACP	72	Good	4/10/2014
LARSON AVE	W ENTWISTLE ST to SOUTH END	0.05	2	30	ACP	100	Excellent	4/10/2014
MCKLINLEY AVE	BLANCHE ST to MYRTLE ST	0.09	2	22	ACP	100	Excellent	4/10/2014
MCKLINLEY AVE	EUGENE ST to ENTWISTLE ST	0.066	2	38	ACP	100	Excellent	4/10/2014
MCKLINLEY AVE	MYRTLE ST to EUGENE ST	0.09	2	22	ACP	100	Excellent	4/10/2014
MILWAUKEE AVE	ENTWISTLE ST to NE 50TH ST	0.249	2	33	ACP	85	Good	4/10/2014

City of Carnation

Small City Street Inventory - Segment Data (from Washington State Transportation Improvement Board)

Ratings reflect the Transportation Improvement Board (TIB) Small City Maintenance Street Inventory, with some adjustments. The inventory consists of a Pavement Conditions Rating (PCR) as provided for in the WSDOT Pavement Surface Condition Rating Manual and based on a visual inspected by a TIB region engineer. The Pavement Condition Ratings system and recommended treatment is as follows:

Greater than 90	Excellent Condition	No treatment needed;
Between 70 and 90	Good Condition	No treatment needed
Between 50 and 70	Fair Condition	Chip Seal
Between 25 and 50	Poor Condition	Overlay or FDR
Less than 25	Needs reconstruction	Reconstruction or FDR

(Yellow Shading indicates project included in STIP)

Arterial	Termini	Segment Length	Travel Lanes	Pavement Width	Roadway Surface	PCR Score	Rating Status	Date Rated
MORRISON ST	SPILMAN AVE to MILWAUKEE AVE	0.1	2	36	ACP	63	Fair	4/10/2014
MORRISON ST	TOLT AVE to SPILMAN AVE	0.12	2	36	ACP	63	Fair	4/10/2014
MORRISON ST	TOLT AVE to STEWART AVE	0.219	2	17	ACP	39	Poor	4/10/2014
MYRTLE ST	TOLT AVE to STOSSEL ST	0.159	2	21	ACP	68	Fair	4/10/2014
NE 40TH CIRCLE	329TH AVE NE to CUL-DE-SAC	0.055	2	28	ACP	81	Good	4/10/2014
NE 40TH PLACE	329TH AVE NE to CUL-DE-SAC	0.093	2	28	ACP	81	Good	4/10/2014
NE 40TH ST	325TH AVE NE to 326TH AVE NE	0.06	2	28	ACP	81	Good	4/10/2014
NE 40TH ST	PAVEMENT CHANGE to PARK ENTRANCE	0.13	2	20	ACP	44	Poor	4/10/2014
NE 40TH ST	TOLT AVE to PAVEMENT CHANGE	0.07	2	20	ACP	48	Poor	4/10/2014
NE 42ND PLACE	329TH AVE NE to CUL-DE-SAC	0.086	2	28	ACP	81	Good	4/10/2014
NE 42ND ST	325TH AVE NE to 329TH AVE NE	0.27	2	28	ACP	81	Good	4/10/2014
NE 42ND ST	334TH AVE NE to 336TH AVE NE	0.126	2	28	ACP	81	Good	4/10/2014
NE 43RD CIRCLE	329TH AVE NE to CUL-DE-SAC	0.05	2	28	ACP	81	Good	4/10/2014
NE 43RD PLACE	329TH AVE NE to CUL-DE-SAC	0.095	2	28	ACP	81	Good	4/10/2014
NE 43RD PLACE	334TH AVE NE to CUL-DE-SAC	0.048	2	28	ACP	81	Good	4/10/2014
NE 47TH ST	326TH AVE NE to 327TH AVE NE	0.059	2	16	ACP	59	Fair	4/10/2014
NE 47TH ST	328TH AVE NE to 327TH AVE NE	0.057	2	16	Gravel	0	Not Rated	4/10/2014
NE 50TH ST	326TH AVE NE to MILWAUKEE AVE	0.12	2	36	ACP		Good	
NE 50TH ST	326TH AVE NE to 328TH AVE NE	0.123	2	22	ACP		Good	
PALACE CT	REGAL ST to CUL-DE-SAC	0.029	2	34	ACP	59	Fair	4/10/2014
QUEEN CT	REGAL ST to CUL-DE-SAC	0.042	2	34	ACP	54	Fair	4/10/2014

City of Carnation

Small City Street Inventory - Segment Data (from Washington State Transportation Improvement Board)

Ratings reflect the Transportation Improvement Board (TIB) Small City Maintenance Street Inventory, with some adjustments. The inventory consists of a Pavement Conditions Rating (PCR) as provided for in the WSDOT Pavement Surface Condition Rating Manual and based on a visual inspected by a TIB region engineer. The Pavement Condition Ratings system and recommended treatment is as follows:

Greater than 90	Excellent Condition	No treatment needed;
Between 70 and 90	Good Condition	No treatment needed
Between 50 and 70	Fair Condition	Chip Seal
Between 25 and 50	Poor Condition	Overlay or FDR
Less than 25	Needs reconstruction	Reconstruction or FDR

(Yellow Shading indicates project included in STIP)

Arterial	Termini	Segment Length	Travel Lanes	Pavement Width	Roadway Surface	PCR Score	Rating Status	Date Rated
REGAL ST	STOSSEL ST to ENTWISTLE ST	0.357	2	34	ACP	100	Excellent	4/10/2014
REGENCY PLACE	REGAL ST to CUL-DE-SAC	0.041	2	34	ACP	59	Fair	4/10/2014
REITZE ST	MILWAUKEE AVE to STOSSEL ST	0.219	2	18	ACP	48	Poor	4/10/2014
ROYAL CT	REGAL ST to CUL-DE-SAC	0.05	2	34	ACP	50	Poor	4/10/2014
RUTHERFORD ST	SPILMAN AVE to MILWAUKEE AVENUE	0.09	2	26	ACP	100	Excellent	4/10/2014
RUTHERFORD ST	STOSSEL ST to SPILMAN AVE	0.12	2	18	ACP	100	Excellent	1/12/2017
RUTHERFORD ST	TOLT AVE to STEWART AVE	0.2	2	19	ACP	59	Fair	4/10/2014
RUTHERFORD ST	TOLT AVE to STOSSEL ST	0.01	2	34	ACP	100	Excellent	1/12/2017
SPILMAN AVE	E BIRD ST to MORRISON STREET	0.17	2	18	ACP		Excellent	
SPILMAN AVE	ENTWISTLE ST to E BIRD ST	0.247	2	18	ACP		Excellent	
SPILMAN AVE	MORRISON STREET to SCHOOL ADMINISTRATION	0.04	2	25	ACP	72	Good	4/10/2014
STEPHENS AVE	BIRD ST to COMMERCIAL ST	0.05	2	23	ACP	77	Good	4/10/2014
STEPHENS AVE	COMMERCIAL ST to MORRISON ST	0.245	2	23	ACP	100	Excellent	4/10/2014
STEPHENS AVE	WEST ENTWISTLE to BIRD ST	0.05	2	23	ACP	72	Good	4/10/2014
STEWART ST	COMMERCIAL ST to MORRISON ST	0.134	2	30	ACP	100	Excellent	4/10/2014
STEWART ST	COMMERCIAL ST to WEST ENTWISTLE	0.111	2	16	ACP	100	Excellent	4/10/2014
STOSSEL ST	COMMERCIAL ST to RUTHERFORD ST	0.07	2	18	ACP	63	Fair	4/10/2014

City of Carnation

Small City Street Inventory - Segment Data (from Washington State Transportation Improvement Board)

Ratings reflect the Transportation Improvement Board (TIB) Small City Maintenance Street Inventory, with some adjustments. The inventory consists of a Pavement Conditions Rating (PCR) as provided for in the WSDOT Pavement Surface Condition Rating Manual and based on a visual inspected by a TIB region engineer. The Pavement Condition Ratings system and recommended treatment is as follows:

Greater than 90	Excellent Condition	No treatment needed;
Between 70 and 90	Good Condition	No treatment needed
Between 50 and 70	Fair Condition	Chip Seal
Between 25 and 50	Poor Condition	Overlay or FDR
Less than 25	Needs reconstruction	Reconstruction or FDR

(Yellow Shading indicates project included in STIP)

Arterial	Termini	Segment Length	Travel Lanes	Pavement Width	Roadway Surface	PCR Score	Rating Status	Date Rated
STOSSEL ST	ENTWISTLE ST to COMMERCIAL ST	0.155	2	42	ACP	59	Fair	4/10/2014
STOSSEL ST	MYRTLE ST to EAST ENTWISTLE ST	0.15	2	32	ACP	100	Excellent	4/10/2014
STOSSEL ST	MYRTLE ST to BLANCHE ST	0.08	2	32	ACP	100	Excellent	4/10/2014
TOLT AVE	BLANCHE ST to JUNIOR HIGH ENTRANCE	0.2	2	30	ACP	State Route	State Route	4/10/2014
TOLT AVE	JUNIOR HIGH ENTRANCE to SOUTH C/L	0.13	2	30	ACP	State Route	State Route	4/10/2014
TOLT AVE	MORRISON ST to NORTH C/L	0.16	2	36	ACP	State Route	State Route	4/10/2014
TOLT AVE	RUTHERFORD ST to BLANCHE ST	0.41	2	42	ACP	State Route	State Route	4/10/2014
TOLT AVE	RUTHERFORD ST to MORRISON ST	0.05	2	36	ACP	State Route	State Route	4/10/2014

Appendix B - Street Classification Map

