

City of North Bend
6 Year Transportation Improvement Program
2016-2021

6/18/2015

Priority Number 2015 - 2020	Year Planned	Priority Number 2016-2021	Year Planned	Project Name	Cost in 2015-2020 TIP			Cost Updates in 2016-2021 TIP			Funding Sources					
					Design	Construction	Total	Design	Construction	Total	Federal	State	County	Local		
2014 TIP (2015 - 2020)		2015 TIP Updated June 16, 2015 (2016-2021)														
2	2015	1	2016	Right Turn Lane, North Bound Bendigo at Park Street	\$ 24,102	\$ 136,581	\$ 160,683	\$ 100,000	\$ 400,000	\$ 500,000					\$ 160,683	
6	2015	2	2016	North Bend Way C&G/landscape (Ballarat to Downing) North Side	\$ 42,914	\$ 459,176	\$ 502,090	\$ 42,914	\$ 459,176	\$ 502,090	\$ 134,500				\$ 367,590	
3	2015	3	2016	2nd St Sidewalk Storm Drain Improvements	17,453.00	98,903	116,356	\$ 17,453	\$ 98,903	\$ 116,356					\$ 116,356	
4	2015	4a	2017	North Bend Way / Park Roundabout - Construct	\$ 247,455	\$ 1,194,114	\$ 2,241,569	\$ 350,000	\$ 2,000,000	\$ 2,350,000		\$ 1,681,177			\$ 560,392	
1	2015	4b	2017	Downtown Plaza	\$ 147,844	\$ 837,781	\$ 985,625	\$ 250,000	\$ 1,400,000	\$ 1,650,000	\$ 350,000	\$ 350,000			\$ 285,625	
22	2020	5	2017	NW 14th Street Reconstruction East of Bendigo (Phase 1)	\$ 126,000	\$ 714,000	\$ 840,000	\$ 50,000	\$ 440,000	\$ 490,000					\$ 840,000	
8	2016	6	2018	NE 12th Street - Ballarat to Pickett	\$ 140,332	\$ 795,218	\$ 935,550	\$ 300,000	\$ 3,000,000	\$ 3,300,000	\$ 701,662				\$ 233,888	
9	2016	7	2018	Ballarat - 6th to 12th	\$ 84,000	\$ 476,000	\$ 560,000	\$ 250,000	\$ 2,500,000	\$ 2,750,000	\$ 420,000				\$ 140,000	
26	2020	8	2019	East North Bend Way/SE Tanner Road/SE 140th St Intersection Reconfiguration	\$ 600,000	\$ 3,000,000	\$ 3,600,000	\$ 600,000	\$ 3,000,000	\$ 3,600,000					\$ 3,600,000	
20	2020	9	2019	Bendigo Blvd/4th St Intersection Reconfiguration - Roundabout	\$ 247,455	\$ 1,994,114	\$ 2,241,569	\$ 500,000	\$ 2,000,000	\$ 2,500,000					\$ 2,241,569	
16	2020	10	2019	468th Avenue SE at Middle Fork Road Roundabout	\$ 750,000	\$ 4,250,000	\$ 5,000,000	\$ 750,000	\$ 4,250,000	\$ 5,000,000	\$ 4,000,000	\$ 500,000			\$ 500,000	
10	2016	11	2019	Mount Si Blvd Reconstruct	\$ 75,000	\$ 425,000	\$ 500,000	\$ 75,000	\$ 425,000	\$ 500,000					\$ 500,000	
13	18	12	2020	North Bend Way at 436th Avenue SE Roundabout	\$ 336,235	\$ 1,905,334	\$ 2,241,569	\$ 336,235	\$ 1,905,334	\$ 2,241,569					\$ 2,241,569	
12	18	13	2020	North Bend Way at SE Mount Si Road	\$ 336,235	\$ 1,905,334	\$ 2,241,569	\$ 336,235	\$ 1,905,334	\$ 2,241,569					\$ 2,241,569	
11	2016-2017	14	2020	South Fork Avenue Extension - Bendigo to NBW/8th Street - Nintendo ByPass	\$ 681,000	\$ 3,859,000	\$ 4,540,000	\$ 681,000	\$ 3,859,000	\$ 4,540,000	\$ 3,405,000				\$ 1,135,000	
15	2019	15	2020	South Fork Avenue Extension, Mt. Si Blvd to Maloney Grove	\$ 1,194,235	\$ 6,767,332	\$ 7,961,567	\$ 1,194,235	\$ 6,767,332	\$ 7,961,567					\$ 7,961,567	
17	2020	16	2020	SE 146th Street at 468th Avenue SE Intersection Traffic Signal	\$ 750,000	\$ 4,250,000	\$ 5,000,000	\$ 750,000	\$ 4,250,000	\$ 5,000,000					\$ 5,000,000	
21	2020	17	2020	SE 20th Street Extension, Maloney Grove to 436th Ave SE	\$ 451,873	\$ 2,560,612	\$ 3,012,485	\$ 451,873	\$ 2,560,612	\$ 3,012,485					\$ 3,012,485	
18	2020	18	2020	SE 146th Street Reconstruction, 468th Ave SE to east city limit	\$ 97,500	\$ 552,500	\$ 650,000	\$ 97,500	\$ 552,500	\$ 650,000					\$ 650,000	
23	2020	19	2021	Alm Way Bridge - Bridge #1135-6	\$ 75,000	\$ 425,000	\$ 500,000	\$ 75,000	\$ 425,000	\$ 500,000					\$ 500,000	
24	2020	20	2021	Bendigo Traffic Reconfiguration (3rd to NBW)	\$ 14,561	\$ 82,513	\$ 97,074	\$ 14,561	\$ 82,513	\$ 97,074					\$ 97,074	
19	2020	21	2021	North Bend Way/Ballarat Traffic Signals	\$ 70,031	\$ 396,844	\$ 466,875	\$ 150,000	\$ 500,000	\$ 650,000					\$ 466,875	
25	2020	22	2021	North Bend Way C&G/landscape (Ballarat to Downing) South Side	\$ 85,594	\$ 485,031	\$ 570,625	\$ 125,000	\$ 500,000	\$ 625,000					\$ 570,625	
5	2015	23	2021	Tanner Trail, Phase 2 and 3 R/W Acquisition	-	-	-	\$ 4,150,000		\$ 4,150,000		\$ 2,075,000		2,075,000.00	\$ (4,150,000)	
	2020	24	2021	Aquire ROW on Pickett Avenue between River Glen and NE 6th Street				\$ 100,000	\$ 400,000	\$ 500,000						
	2020	25	2021	NW 14th Street Reconstruction west of Bendigo (Phase 2)				\$ 75,000	\$ 350,000	\$ 425,000						
27	2015-2020	26	2016-2021	Sidewalk Trip Hazard Elimination	\$ 13,500	\$ 76,500	\$ 90,000	\$ 13,500	\$ 76,500	\$ 90,000					\$ 90,000	
28	2015-2020	27	2016-2021	Pavement Overlay Program	\$ 225,000	\$ 1,275,000	\$ 1,500,000	\$ 300,000	\$ 2,100,000	\$ 2,400,000					\$ 1,500,000	
29	2015-2020	28	2016-2021	Chip Seal	\$ 72,000	\$ 408,000	\$ 480,000	\$ 72,000	\$ 408,000	\$ 480,000					\$ 480,000	
30	2015-2020	29	2016-2021	Crack Seal	\$ 18,000	\$ 102,000	\$ 120,000	\$ 18,000	\$ 102,000	\$ 120,000					\$ 120,000	
31	2015-2020	30	2016-2021	Alley Reconstruct and Paving - Annual cost	\$ 36,000	\$ 204,000	\$ 240,000	\$ 36,000	\$ 204,000	\$ 240,000					\$ 240,000	
Totals					\$ 6,959,319	\$ 39,635,887	\$ 47,395,126	\$ 12,261,506	\$ 46,921,204	\$ 59,182,710	\$ 9,011,162	\$ 4,606,177	\$ 2,075,000	\$ 31,702,787		



City of North Bend 2016-2021 TIP PROJECTS

UPDATED JUNE 1, 2015

Legend

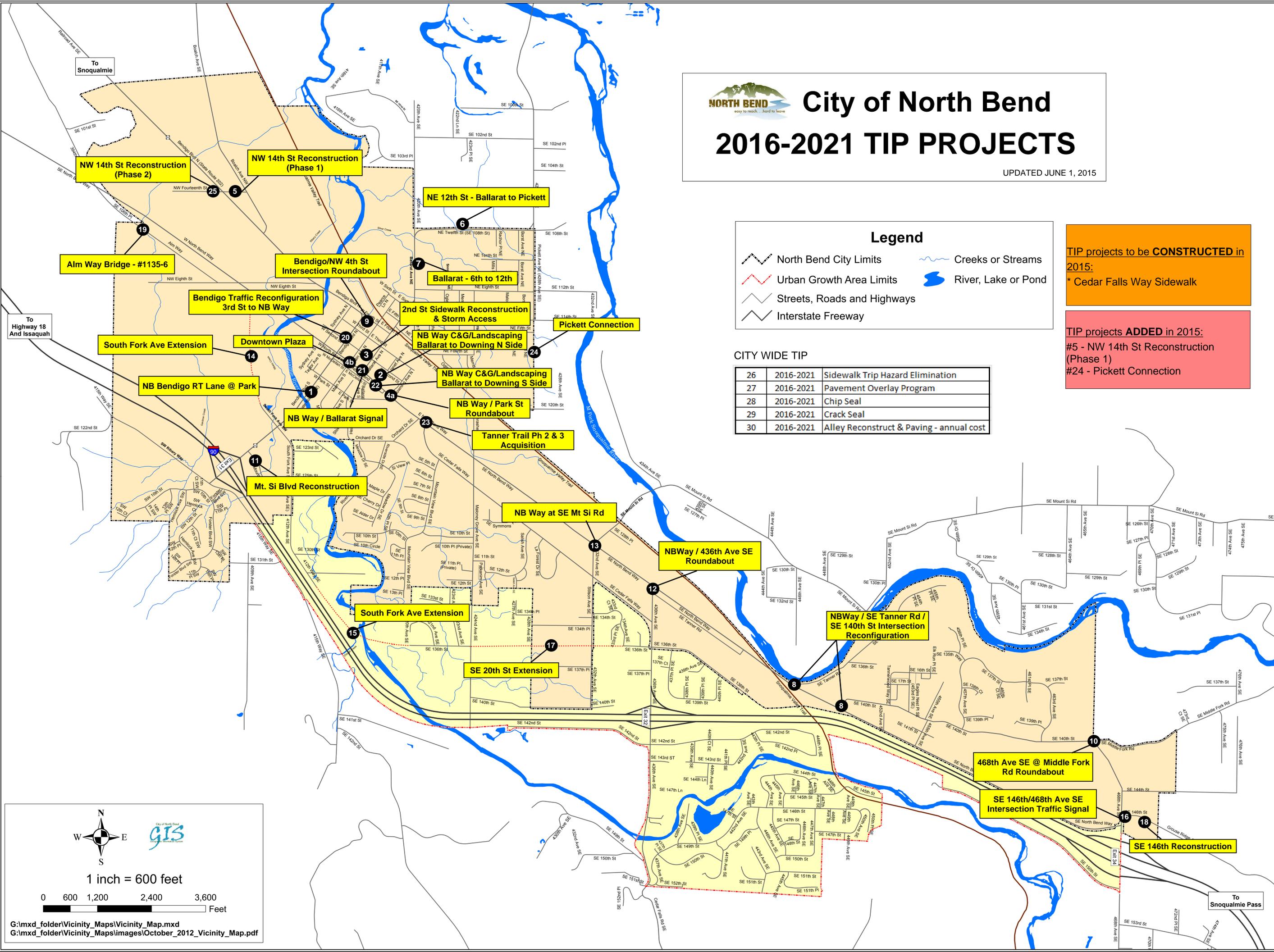
- North Bend City Limits
- Urban Growth Area Limits
- Streets, Roads and Highways
- Interstate Freeway
- Creeks or Streams
- River, Lake or Pond

TIP projects to be **CONSTRUCTED** in 2015:
* Cedar Falls Way Sidewalk

TIP projects **ADDED** in 2015:
#5 - NW 14th St Reconstruction (Phase 1)
#24 - Pickett Connection

CITY WIDE TIP

26	2016-2021	Sidewalk Trip Hazard Elimination
27	2016-2021	Pavement Overlay Program
28	2016-2021	Chip Seal
29	2016-2021	Crack Seal
30	2016-2021	Alley Reconstruct & Paving - annual cost



City of North Bend GIS

1 inch = 600 feet

0 600 1,200 2,400 3,600 Feet

G:\mxd_folder\Vicinity_Maps\Vicinity_Map.mxd
G:\mxd_folder\Vicinity_Maps\images\October_2012_Vicinity_Map.pdf

6-Year Transportation Improvement Program 2016-2021

Project Narratives

1. Right Turn Lane Bendigo/Park – A right-turn lane will be installed for the north bound traffic on Bendigo Blvd at Park Street to reduce traffic back-up at the signal and allow for right turn movements during a red signal. Work includes removal and replacement of the existing curb, gutter, and sidewalk, pavement widening, restriping, and WSDOT permits.

2. North Bend Way C&G Landscape Ballarat to Downing (North Side) – This project will improve the pedestrian safety along North Bend Way on the north side of the street. The project links two previously funded projects. The curb placement will be planned in accordance with the future anticipated street improvements. The sidewalks will be widened in accordance with the City's design standards for this section of the arterial.

3. 2nd Street Sidewalk Reconstruction & Storm Access – The sidewalk along the north side of 2nd Street between Ballarat Avenue and Main Avenue is to be reconstructed over the existing box culvert. The ADA ramp at Ballarat Avenue will be modified with this project. Additionally, access to the box culvert will be improved at two locations using storm-water utility funds.

4a. North Bend Way/Park Street Roundabout – As one of 4 projects in the development of E North Bend Way from Ballarat to Cedar Falls Way, this project involves the placement of a roundabout at this intersection. This is to alleviate the current Level of Service F on the south leg of the intersection. Work includes installation of medians in North Bend Way between Park Street and Cedar Falls Way for additional safety controls along the corridor. This is to address cross-traffic conflicts between Park Street, the QFC parking lot, and the Post Office. This project will be done in 2 phases. The design phase is funded in part from a Rural Set-Aside Federal Grant. The construction phase which would occur in 2014 would be funded again in part by the Rural Set-Aside Grant and a matching grant from TIB.

4b. Downtown Plaza – This project will enhance the area of North Bend Way between Bendigo and Ballarat for better pedestrian activity. Work will include replacing the pavement at the intersection of North Bend Way and Main Avenue North with cement concrete pavement with a special surface treatment designed to mimic the convergence of the three forks of the Snoqualmie River. The driving surface of the intersection will be raised to sidewalk grade with bollards separating the sidewalks and driving lanes. Main Avenue North will be reduced to two lanes in each direction. The project may also include replacement of the sidewalks on North Bend Way between Bendigo Boulevard North and Ballarat Avenue North. Other work will include replacement of the storm drainage system and water mains beneath the Main Avenue intersection. Overhead utilities will be buried and improvements will be made to the City's electrical and irrigation systems. This project has final design plans and is shovel ready.

- 5. NW 14th Street Reconstruction East of Bendigo (Phase 1)** – Reconstruct NW 14th street including replacement of culverts , drains, and related storm-water facilities; new subbase, base and asphalt surfacing.
- 6. NE 12th Street - Ballarat to Pickett** - Design project to reconstruct all or portions of roadway. Install one new culvert parallel to an existing undersized culvert and replace undersized culvert with larger culvert(s), replace drains and related storm-water facilities; new sub-base, base and asphalt surfacing.
- 7. Ballarat 6th Street to 12th Street** – Reconstruction of street, including replacement of culverts, drains and related stormwater facilities; new sub-base, base and asphalt surfacing.
- 8. East North Bend Way/SE Tanner Rd/SE 140th St Intersection Reconfiguration** – Existing roadway alignments of the two minor roads is not ideal. This project will reconfigure the area to improve the geometry of the minor roadways.
- 9. Bendigo Blvd/4th Street Intersection Reconfiguration – Roundabout** – Reconfigure the intersection to remove the diverter and allow full movements with implementation of a roundabout. Alternate configurations will also be considered and will need WSDOT approval.
- 10. 468th Avenue SE at Middle Fork Road Roundabout** - Design and construct a roundabout as a truck turnaround with provisions for safe pedestrian and bicycle travel.
- 11. Mount Si Blvd Reconstruct** - The existing roadway does not have adequate structure and is severely distressed. This project will reconstruct the full width of the most distressed portion of the roadway from the intersection of SR 202 to approximately 300 feet east.
- 12. North Bend Way at 436th Ave SE Roundabout** - Construct roundabout to serve growing traffic demand.
- 13. North Bend Way at SE Mt Si Road** – Construct roundabout to serve growing traffic demand.
- 14. South Fork Avenue Extension – Bendigo to NBW/8th Street – Nintendo Bypass** - This would be an extension of South Fork Avenue SW from the current Nintendo east access gate westerly to 8th Street. The 2012 Transportation Element calls for a 2 Lane collector; the estimated cost is for a four lane Arterial road. Need direction from Council on standard desired.
- 15. South Fork Avenue Extension – Mt Si Blvd to Maloney Grove** - Reserve right of way to extend roadway as a collector street to serve future residential development from Mt. Si Boulevard to Maloney Grove Road
- 16. SE 146th Street at 468th Avenue SE Intersection Traffic Signal** – Intersection control improvements; evaluate the need for installation of a traffic signal consistent with North Bend Gravel Operations
- 17. SE 20th Street Extension, Maloney Grove to 436th Ave SE** – Reserve right of way to extend a collector street from Maloney Grove to 436th Avenue SE to serve future residential development.

18. SE 146th Street Extension, 468th Ave SE to east city limit – Reconstruct the deteriorated 2-lane roadway with pavement suited to heavy vehicle loads.

19. Alm Way Bridge – Bridge #1135-6 - A 2012 bridge inspection performed by King County gave the bridge a sufficiency rating of 25.33 out of 100 due to the poor condition of timber elements. This project will replace the aging bridge with a new structure.

20. Bendigo Traffic Reconfiguration – 3rd to North Bend Way – Due to traffic congestion at North Bend Way/Bendigo Blvd intersection, better queuing configurations for through and turning movements will be developed. Work will consist of restriping and resigning the corridor, and creating time-restricted parking areas related to peak traffic hours.

21. North Bend Way/Ballararat Traffic Signals – This project is tentative, awaiting the outcome of traffic redistribution as a result of other projects in the downtown area. If implemented, and due to the current level of service below the city standard “D” on the Ballararat Avenue leg of the intersection with East North Bend Way, a signal would be installed to help with safety and congestion. This signal was slated for installation by developer extension or with accruing impact fees. The signal would be installed using poles and mast arms at each corner. The signal is to be interconnected and synchronized with the signal at North Bend Way/Bendigo Blvd intersection.

22. North Bend Way C&G Landscape Ballararat to Downing – (South Side) – To help reduce speeding along North Bend Way east of Ballararat, the street view needs to be narrowed while not eliminating capacity. This project would install needed curb and gutter and landscaping along the south side of the street from Ballararat to Downing Avenue, the site of a future roundabout. Work would include removal of approximately 4 feet of excess asphalt width, installation of curb and gutter, increasing landscaping amenities, and striping for parallel parking along the street.

23. Tanner Trail Phase 2 & 3 ROW Acquisition – In keeping with state efforts to preserve abandoned railroad rights-of-way, this project entails the appraisal of the Burlington Northern Railroad right-of-way along North Bend Way from Cedar Falls Way to the juncture with the Snoqualmie Valley Trail and purchase of such right-of-way for future trail extension and preservation of open space.

24. Acquire ROW on Pickett Avenue between River Glen and NE 6th Street – Acquire 30 feet of ingress/egress and utility easement to connect future neighborhood to Pickett Avenue for neighborhood connectivity.

25. NW 14th Street Reconstruction west of Bendigo (Phase 2) – Reconstruct NW 14th Street Including replacement of culverts, drains and related storm-water facilities; new subbase, base and asphalt surfacing.

26. Sidewalk Trip Hazard Elimination - Trip hazards in the existing sidewalk system will be systematically repaired through either removal of affected sidewalk panels, removing the cause of the problem, and re-pouring the panels, or by grinding the problem areas and resurfacing the affected areas.

27. Pavement Overlay Program – To protect the city’s investment in its roadway system, regular maintenance is required. One of the maintenance components includes providing overlays to extend the life of the street surface and protect the roadway base. The proposed program is to provide up to \$300,000 per year of overlay work at various street locations. The locations are to be determined by the pavement management system completed in earlier 2004

28. Chip Seal - Various locations. Develop an annual chip seal program to preserve the City investment in newly constructed and overlaid roads.

29. Crack Seal - Various locations. Develop an annual crack seal program to preserve the City investment in newly constructed and overlaid roads.

30. Alley Reconstruct and Paving (annual cost) - Various locations. Develop an annual program to reconstruct and overlay alley's to reduce maintenance costs.