

Exhibit 2

**~~Six-Year
Capital Improvement Program
For Whatcom County Facilities
2013–2018~~**

[Note: this appendix is proposed to be deleted and replaced in its entirety]

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Chapter 1—Introduction

The Growth Management Act requires that the County's Comprehensive Plan include a "capital facilities plan element" (RCW 36.70A.070(3)). The Whatcom County Comprehensive Plan calls for the County to develop and update the Six-Year Capital Improvement Program for County projects. The main purpose of this Capital Improvement Program is to plan County facilities to serve the people of Whatcom County over the next six years.

Growth Management Act Requirements

According to the Growth Management Act, a county's capital facilities plan must include five items, which are shown below:

- A. An inventory of existing capital facilities owned by public entities, showing the locations and capacities of the capital facilities.

Current inventories of existing County capital facilities, based upon information provided by various County departments, are included in each chapter of this document.

- B. A forecast of the future needs for such capital facilities.

Chapters 4 and 6 of the Whatcom County Comprehensive Plan establish "level of service" standards for County parks, administrative facilities (i.e. Sheriff's office space), correction facilities, and transportation. Level of service standards are expressed in acres of parkland needed for every 1,000 people in the County, square feet of Sheriff's office space needed to serve each person in the County, etc. Forecasts of future needs for capital facilities over the six-year planning period are determined by applying the adopted level of service for a given facility to the expected population in the year 2018.

- C. Proposed locations and capacities of expanded or new capital facilities.

General locations and capacities (acres of parkland, jail beds, etc.) of proposed new County facilities are indicated in this document.

- D. At least a six-year plan that will finance such capital facilities within projected funding capacities and clearly identifies sources of public money for such purposes.

This Six-Year Capital Improvement Program presents costs and funding sources for proposed County capital facilities (all figures are in 2012 dollars). There are a variety of funding sources that the County utilizes to pay for capital facilities, including real estate excise tax, conservation futures, the public utilities improvement fund, the jail fund and grants. One other potential source is the County's General Fund. The Finance Manager for Whatcom County indicated that, over the six-year planning period, there would be little revenue in the County's General Fund to finance capital facilities. However, the capital facilities proposed in this Six-Year Capital Improvement Program are within the County's funding capacity. Specifically, Whatcom County's unused limited tax general obligation

~~bond long-term debt capacity at the end of 2011 was \$337,885,810, which far exceeds the expenditures proposed by this Six-Year Capital Improvement Program. Therefore, it would be possible to issue bonds to pay for capital facilities if revenue is increased, expenses decreased, or programs reprioritized to make debt service payments.~~

~~Revenue and expenditure projections for roads and related non-motorized facilities are set forth in the six-year transportation improvement program.~~

~~E.—A requirement to reassess the land use element if probable funding falls short of meeting existing needs and to ensure that the land use element, capital facilities plan element, and financing plan within the capital facilities plan element are coordinated and consistent.~~

~~Finally, in accordance with the Growth Management Act, a requirement to reassess the land use element of the Comprehensive Plan if probable funding falls short of meeting existing needs and to ensure consistency between plans already exists in the Comprehensive Plan (Policy 4A-4).~~

Charter Provisions and the County Budget

~~In addition to Growth Management Act provisions relating to capital facilities, Section 6.30 of the County Charter also requires the County to include a six-year capital improvement program as part of the budget. Appropriation for 2013–2014 capital projects may be included in the biennial budget or may be adopted through the supplemental budget process. Ultimate funding for capital improvement projects is subject to County Council authorization in the adopted budget. Costs identified for 2015–2018 are included for planning purposes and review of potential future needs, but not for budget authorization at this time.~~

Contracting for Services

~~Whatcom County may contract with other entities, such as the Council of Governments and the Northwest Regional Council, for vital community services. These contracts represent County participation in providing essential services, alongside other partners, without the need to construct County-owned capital facilities, which can be very costly.~~

Chapter 2 – Parks, Trails, and Activity Centers

Parks

Existing Parks and Open Space Areas

~~The 2012 inventory of County-owned parks and open space areas show a total of 7,145 acres. This inventory, shown below, is a partial list.~~

Table 1. Existing Parks

Site No.	Park Name and Location	Acres
1	Bay Horizon Park, 7499 Alderson Rd.	68.19
2	Deming Eagle Homestead Park, Truck Rd.	33.00
3	Hovander Homestead Park and Tennant Lake, 5299 Nielsen Rd.	333.42

4	Interurban Trail/Teddy Bear Cove Parkway, Chuckanut Dr.	11.19
5	Jackson Rd. Beach Access, Birch Bay	0.15
6	Jensen Family Forest Park, Stein Rd. and Birch Bay Lynden Rd.	21.48
7	Josh VanderYacht Park, 4106 Valley Highway	1.99
8	Lake Whatcom Park, North Shore Rd.	218.00
9	Lighthouse Marine Park, 811 Marine Dr. in Point Roberts	20.49
10	Lily Point Marine Park Reserve, East end of APA Rd. in Point Roberts	130.20
11	Lummi Island Overlook, Nugent Rd.	0.16
12	Maple Beach Park, Boundary Bay Rd. in Point Roberts	0.50
13	Monument Park, Marine Dr. and Roosevelt in Point Roberts	6.94
14	Northwest Soccer Park/Baseball & Softball Complex, Smith Rd. and Northwest Dr.	35.00
15	Nugent's Corner Access, 3671 Mt. Baker Highway	14.00
16	Point Whitehorn Marine Reserve, Koehn Rd.	54.10
17	Samish Park, 673 N. Lake Samish Dr.	30.61
18	Semiahmoo Park, 9261 Semiahmoo Parkway	17.92
19	Silver Lake Park, 9187 Silver Lake Rd.	412.05
20	Squires Lake Park, 135 Old Highway 99 North Rd.	84.15
21	Stimpson Family Nature Reserve, Lake Louise Rd.	371.27
22	Sunset Beach, West Shore Dr. on Lummi Island	2.25
23	Sunset Farm, 7989 Blaine Rd.	69.50
24	Ted Edwards Park, Oriental Ave.	3.85
25	Welcome Bridge Access, Mosquito Lake Rd.	0.60
26	Bay to Baker Trail	118.00
27	Birch Bay Shoreline Properties	11.35
28	Canyon Lake Creek Community Forest	2,266.00
29	Chuckanut Mountain Park	999.80
30	Olsen Property	368.70
31	Plantation Rifle Range	60.00
32	South Fork Regional Park	603.00
33	Halverson Park	5.60
34	Roeder Home	1.15
	Total	6,374.61

Future Parks Level of Service

A level of service of 9.6 acres of developed parkland for every 1,000 people in the County was adopted in the Whatcom County Comprehensive Plan.

Proposed Park Improvement Projects

Seven park improvement projects are proposed to provide additional park space by the year 2018. These projects would add 271 acres of parkland in Whatcom County, as shown below.

Additionally, other park and recreation improvement projects are proposed on existing parkland. These projects will add recreational facilities at these parks, but will not add acreage to the inventory. Examples include playfields, picnic areas, restrooms, and parking.

Financing for Park Improvement Projects

The total cost of the seven proposed park improvement projects is approximately \$2.5 million over the six year planning period. These costs would be paid for

through grants, real estate excise tax (REET), the park improvement fund, conservation futures, and flood funds as shown below.

Table 2. Park Improvement Projects, 2013–2018

Site No. and Project Name	Acres	2013	2014	2015	2016	2017	2018	Total Cost	Funding Sources
1. Cherry Point / Point Whitehorn Industrial Area Access	35	0	0	0		150,000	150,000	300,000	1 and 2
2. Dittrich Park Lake Samish	24	0	0		250,000	250,000		500,000	1 and 2
3. Lake Whatcom County Park South Unit	83	0	0	130,000	130,000	130,000	130,000	520,000	1 and 2
4. Maple Falls Park	73	0	150,000	150,000	0	0	0	300,000	1 and 2
5. Riverplace Park Ferndale	50	100,000	0	0	0	0	0	100,000	1, 2, 4 and 5
6. South Fork Regional Park, Mosquito Lake Rd.	0	0	250,000	400,000		0	0	650,000	1,2 and 3
32. Sunnyside Landing Park, North Shore Rd.	6	0	0	50,000	50,000		0	100,000	1 and 2
Total	271	100,000	400,000	730,000	430,000	530,000	280,000	2,470,000	

Funding Source Key

1. Grants
2. REET II
3. Park Improvement Fund
4. Conservation Futures
5. Flood fund

Trails

Existing Trails

Whatcom County currently has 60.63 miles of trails in various locations throughout the County. This inventory is shown below.

Table 3. Inventory of Existing Trails

Site No.	Trail Name and Location	Miles
1	Bay Crest, Sunset Dr. and Woodbridge Dr., Birch Bay	0.21
2	Bay Horizon, 7499 Alderson Rd.	0.25
3	Bay to Baker Maple Falls-Glacier	4.00
4	Canyon Lake, off Canyon Lake Rd.	4.50
5	Chuckanut Ridge	0.36
6	Deming Homestead Eagle Park, Truck Rd.	0.30
7	Hemlock, Chuckanut area	3.53
8	Hovander Marrietta Coast Millennium Trail	4.90
9	Huckleberry, Chuckanut area	0.43
10	Interurban, Chuckanut area	2.80
11	Jensen, Stein Rd. and Birch Bay Lynden Rd.	0.61
12	Lake Samish, 673 N. Lake Samish Dr.	1.30
13	Lake Whatcom Park	4.02
14	Lily Point, Point Roberts	4.17
15	Lost Lake, Chuckanut area	3.07
16	Lower Salal, Chuckanut area	1.30
17	Madrona, Chuckanut area	0.78
18	Maple Creek, off Silver Lake Rd. in Maple Falls	1.50
19	Monument Park, Marine Dr. and Roosevelt in Point Roberts	0.18
20	Olsen Property Trail, Lake Whatcom Watershed	4.00
21	Ostrom Property, 4304 South Pass Rd.	0.66
22	Pine and Cedar Lakes, Chuckanut area	3.87
23	Point Whitehorn, Birch Bay area	0.75
24	Raptor Ridge, Chuckanut area	0.40
25	Salal, Chuckanut area	1.18
26	Semiahmoo East Paved	0.63
27	Semiahmoo West Footpath	0.45
28	Silver Lake Park, 9187 Silver Lake Rd.	3.10
29	Soccer Trail, Smith Rd. and Northwest Dr.	0.30
30	Squires Lake, 135 Old Highway 99 North Rd.	2.14
31	Stimson Reserve, Lake Louise Rd.	4.04
32	Sunset, 7989 Blaine Rd.	0.57
33	Teddy Bear Cove, Chuckanut area	0.33
	TOTAL	60.63

Future Trail Needs

A level of service of 0.60 miles of trails for every 1,000 people in the County was adopted in the Whatcom County Comprehensive Plan. With projected population growth in Whatcom County over the next six years, an additional 71 miles of trails would be needed by the year 2018 to serve the people of Whatcom County.

Trail Improvement Projects

Five improvement projects are proposed to provide additional trails to meet the anticipated need by the year 2018. These projects would add 71 miles of trails in Whatcom County, as shown below.

Financing for Trail Improvement Projects

The total cost of the five proposed trail improvement projects is approximately \$6.2 million over the six-year planning period. These costs would be paid for through grants, REET, conservation futures, donations, and, potentially, a levy. This is an ambitious plan and funding needed to provide this level of service will, realistically, have to compete with higher priority functions of County government.

Table 4. Trail Improvement Projects, 2013–2018

Site No. and Project Name	Miles	2013	2014	2015	2016	2017	2018	Total Cost	Funding Sources
1. Bay to Baker Trail	8	0	0	1,000,000	1,000,000	1,000,000	1,000,000	4,000,000	1, 3 and 4
2. Chuckanut Mountain Trails	2.7	0	15,000	15,000	0	0	0	30,000	1, 3 and 4
3. Hertz North Lake Whatcom Trail Extension	1	1,500,000	65,000	0	0	0	0	1,565,000	1, 2 and 5
4. South Fork Regional Park Trail	4.3	0	75,000	0	0	0	0	75,000	1, 2 and 5
5. Lake Whatcom Trails - Reconveyance Lands	55	0	0	125,000	125,000	125,000	175,000	550,000	1, 2 and 5
Total	71	1,500,000	155,000	1,140,000	1,125,000	1,125,000	1,175,000	6,220,000	

Funding Source Key

1. Grants
2. REET II
3. Conservation Futures
4. Levy
5. Donations

Notes: Lake Whatcom Trails are predicated on pending Department of Natural Resources reconveyance transaction within the Lake Whatcom watershed. For the Bay to Baker Trail and Lake Whatcom Trails, trail alignments and lengths are pending land acquisition, property easement negotiation and final trail design.

Activity Centers

Existing Activity Centers

There are currently 12 activity centers that provide a variety of year-round programs for various age groups. The activity center inventory is shown below.

Table 5. Inventory of Existing Activity Centers

Site No.	Activity Center Name and Location
1	Bay Horizon, 7499 Alderson Rd.
2	Bellingham Senior Activity Center, 315 Halleck St.
3	Blaine Community/Senior Center, 763 G Street
4	Everson Senior Center, 111 W. Main
5	Ferndale Senior Center, 1998 Cherry Street
6	Lynden Community Center, 401 Grover Street
7	Plantation Rifle Range, 5102 Samish Way
8	Point Roberts Community Center, 1487 Gulf Road
9	Roeder Home, 2600 Sunset Dr.
10	Sumas Community Center, 461 2nd Street
11	Van Zandt Community Hall, 4106 Valley Highway
12	Welcome Valley Senior Center, 5103 Mosquito Lake Rd.
13	East Whatcom Regional Resource Center, 8251 Kendall Rd.

Note: The Blaine, Everson, Lynden and Sumas Centers are owned by these respective cities. The Point Roberts Community Center is owned by the Point Roberts Park District. Whatcom County provides and/or contracts for senior activities and recreational programming at these centers.

Future Activity Center Needs

A level of service standard of five activity centers for every 100,000 people in the County was adopted in the Whatcom County Comprehensive Plan. With projected population growth in Whatcom County over the next six years, no additional centers would be needed by the year 2018 to meet the adopted level of service.

Proposed Activity Center Improvement Projects

No improvement projects that would add usable indoor space are proposed within the six-year planning period. Maintenance projects may be undertaken.

Financing for Activity Center Improvement Projects

Not applicable.

Other Park and Recreation Projects

Pursuant to RCW 82.46.010, RCW 82.46.035 and WCC 3.20, the following park, trail, and recreational facility improvements have been identified as projects that will be funded or partially funded with the Real Estate Excise Tax (REET I or REET II). These are in addition to the projects identified above that will utilize REET funds.

- Bay Horizon Park

- Play fields
- Park trails

- Birch Bay

- Restrooms, parking improvements, open space improvements and access

- Canyon Lake

- Access road repairs

- Coast Millennium Trail

- Trail construction

- ~~East Whatcom Regional Resource Center~~
 - ~~Play fields~~
 - ~~Covered play area~~
- ~~Hovander Park—Tennant Lake~~
 - ~~Improve accessibility, exhibits and function in animal-contact area~~
 - ~~Improve vehicle access, entrance and non-motorized accessibility~~
 - ~~Construct new restroom building(s)~~
 - ~~Evaluate & rectify sinking building foundation Hovander Home~~
 - ~~Reconstruct / replace Tennant Lake boardwalk~~
 - ~~Surface / improve parking areas and access roads~~
 - ~~Construct group camp area and sites~~
 - ~~Construct special event group picnic area and shelters~~
 - ~~Construct bike / pedestrian facility over Nooksack River to connect with Pioneer Park~~
 - ~~Improve road access into park~~
 - ~~Remodel interior of interpretive center~~
 - ~~Adapt machine shed for public use~~
 - ~~Boat launch improvements~~
 - ~~Replace roofs and paint buildings~~
- ~~Lake Whatcom Parks and Trails~~
 - ~~Construct two vehicle accessible bridges at Hertz Trail~~
 - ~~Construct day use areas~~
 - ~~Construct public restrooms~~
 - ~~Construct / replace docks~~
 - ~~Develop trailheads~~
 - ~~Utilize residence for events~~
- ~~Lighthouse Marine Park~~
 - ~~Resurface parking areas~~
 - ~~Replace playground~~
 - ~~Replace boardwalk and buildings~~
 - ~~Construct observation deck~~
 - ~~Cabins~~
- ~~Maple Beach~~
 - ~~Parking~~
 - ~~Restrooms~~
- ~~Nooksack River Trail~~
 - ~~Develop multi-use trail~~
- ~~Northwest Annex Trail~~
 - ~~Surface 1.0 mile trail~~
- ~~Nugent's Corner~~
 - ~~Open shelter~~
 - ~~Trail improvements~~
 - ~~Accessible fishing platform~~
 - ~~Restroom~~
- ~~Olsen Property (Lookout Mountain Access)~~
 - ~~Restroom~~
 - ~~Parking improvements~~
- ~~Plantation Rifle Range~~

- Renovate impact berm, add retaining wall and re-grade
- Resurface parking area
- Resurface access road
- Replace HVAC
- Samish Park
 - Misc. accessibility / picnic improvements—precast paver access path, re-grading and gravel resurfacing
 - Replace playground
 - Re-grade and resurface existing parking area and install plastic stall stripping
 - Survey existing conditions, perform engineering analysis and bank stabilization and optimize parking configuration
 - Repair rotted wall and pitch roof
 - Improve parking area
- Semiahmoo Park
 - Concession building electrical, plumbing & fixture improvements
- Silver Lake Park
 - Replace park playground
 - Replacement of 300' of boardwalk
 - Renovate all cabins, indoor plumbing, flooring and insulation
 - Construct new shower and restroom building in campground
 - Replace restroom in equestrian campground
 - Install new electrical service, pads, road surfacing, water and walkways.
 - Install services and surface road
 - Relocate road to accommodate cabin septic tanks, etc.
 - Replace garage at residence
 - Replace windows, electrical service, insulate, and siding
 - Install playgrounds in campgrounds
 - Repair rot, etc. in lodges
 - Horse camp shelter re-roofing
 - Trail improvements
 - ADA improvements
 - New campground and cabins
- Stimpson Family Nature Reserve
 - Restroom
- Sunset Farm
 - Improve 0.5 mile trail and connect to community trail system
 - Restrooms
 - Stable Repairs
 - Landscaping
- Teddy Bear Cove
 - Woodstock Farm connector trail
- Warnick Bridge
 - Trailhead improvements
- Miscellaneous locations
 - Roof replacements (shop and office)
 - Insulation and siding (shop and office)
 - Parking lots
 - Landscaping

Stormwater improvements
Interpretive signs

- ~~Planning and Design~~
- ~~Update Comprehensive Parks, Recreation and Open Space Plan~~
- ~~Park master plans~~

Chapter 3—Maintenance and Operations

Existing Maintenance and Operations Space

The 2012 inventory of maintenance & operations/facilities management space that serves the County is 44,411 square feet. This inventory is shown below.

Table 6. Inventory of Existing Maintenance and Operations Space

Site No.	Facility Name	Square feet
1	Central Shop, 901 W. Smith Rd. (Maintenance and Operations)	35,773
2	316 Lottie St. (Facilities Management)	4,978
3	Minimum Security Correction Facility – 2030 Division St. (Facilities Management Storage)	3,660
TOTAL		44,411

Proposed Maintenance and Operations Improvement Projects

No improvement projects that would add usable space are proposed within the six-year planning period. Only maintenance projects may be undertaken.

Financing Maintenance and Operations Improvement Projects

Not applicable.

Chapter 4—Government Office Space

Existing Office Space

The 2012 inventory of County government office space is 180,769 square feet at eight locations. This inventory is shown below.

Table 7. Inventory of Government Office Space

Site No.	Facility Name	Square feet
1	Civic Center Annex (322 North Commercial)	20,279
2	Central Plaza Building (215 N. Commercial)	10,307
4	County Courthouse (311 Grand Avenue)	94,678
5	Forest St. Annex (1000 North Forest St.)	6,487
6	509 Girard St.	13,189
7	3373 Mt. Baker Highway	2,110
8	1500 N. State St.	12,281
9	Northwest Annex (5280 and 5256 Northwest Dr.)	21,438
Total		180,769

Proposed New Office Building Projects

No new buildings are proposed within the six-year planning period. Only improvement and maintenance projects in existing buildings are proposed (see chapter 11).

Financing Maintenance and Operations Improvement Projects

Not applicable.

Chapter 5—Sheriff's Office

Existing Sheriff's Office Space

The 2012 inventory of Sheriff's office space is 23,962 square feet serving the unincorporated population. This inventory is shown below.

Table 8. Inventory of Existing Sheriff's Office Space

Site No.	Facility Name	Square Feet
1	Public Safety Building (311 Grand Ave)	15,102
2	Minimum Security Correction Facility (2030 Division St.)	6,000
3	Inspector's Office, Civic Center Building (322 N. Commercial)	920
4	Laurel Fire Hall (6028 Guide Meridian)	1,500
5	Kendall Satellite Office	160
6	Birch Bay Fire Hall	192
7	Nugent's Corner Fire Hall	88
Total		23,962

Notes:

1. The Sheriff's Office also has storage facilities at various locations in Whatcom County.
2. The County has two mobile homes and an old detention facility in Point Roberts. The resident deputies operate out of their homes or utilize space at the U.S. Customs office at the border.

Existing Sheriff's Office facilities locations and square footage include shared space at local fire districts that is available depending on Fire District needs and is generally subject to change with short notice or no notice, and rented or leased space not solely dedicated to Sheriff's Office use.

Future Sheriff's Office Needs

A level of service of 0.26 square feet of Sheriff's Office space per capita was adopted in the Comprehensive Plan. With projected population growth in unincorporated Whatcom County over the next six years, a small amount of additional Sheriff's Office space (approximately 81 square feet) would be needed in 2018 to meet the adopted level of service. A plan has not been formulated at the present time to increase the Sheriff's Office space. Therefore, either the LOS will need to be re-evaluated at the next comprehensive plan update or a plan will need to be formulated to provide additional office space in the future. Most Sheriff's Office functions are based in the Public Safety Building adjacent to the Courthouse and are remote to the vast majority of Sheriff's Office Bureau of Law Enforcement and Investigative Services functions that take place in unincorporated Whatcom County. This results in inefficiencies and delays. Space and design factors in

current facilities preclude consolidating various functions performed throughout the agency (reception, finance, etc.) and result in redundancies. When fiscally feasible, existing Sheriff's Office facilities and associated functions should be consolidated (except for "Resident Deputy" program facilities).

Proposed Sheriff's Office Improvement Projects

At the current time, no improvement projects that would add usable space are proposed within the six-year planning period.

Financing Maintenance and Operations Improvement Projects

Not applicable.

Chapter 6—Emergency Management/Emergency Operations Center (EOC)

Existing Emergency Management/EOC Space

The 2012 inventory of Division of Emergency Management office space is 1,821 square feet, located in the Civic Center Annex as shown below. The active Emergency Operation Center for the county was closed in 2010. If an Emergency Operations Center is needed during an emergency, the portable building at the Central Shop, which is 3,600 square feet, is the designated site for set-up.

Table 9. Existing Emergency Management/EOC Space

Site No.	Facility Name	Square feet
1	Civic Center Annex (322 North Commercial)	1,821
TOTAL		1,821

Future Emergency Management/EOC Needs

The Division of Emergency Management requires both daily office space for Emergency Management and, during an actual emergency, additional space for the emergency operations center (EOC). During an emergency, the EOC may have to accommodate several hundred people in a single day. These people include a combination of elected officials, trained personnel and volunteers, who serve in a variety of capacities during the emergency.

A level of service of 0.011 square feet of emergency operations space per capita was adopted in the Comprehensive Plan. With projected population growth an additional 578 square feet, over and above the existing 1,821 square feet of office space, would be needed by the year 2018 to meet the adopted level of service. However, during an emergency when a location for an EOC is needed, there is access to the portable building at the Central Shop (approximately 3,600 square feet). This is a designated "cold site" that will require 45 minutes to 1 ½ hours to set-up.

The Division of Emergency Management may need to move out of the Civic Center Annex within the next year, as other County functions may move into this space. The County is working to develop a comprehensive and coordinated plan to re-

locate Emergency Management, with the goal of assuring appropriate long-term facilities. However, this plan has not yet been finalized.

Proposed Emergency Management/EOC Projects

No improvement projects that would add usable space are proposed within the six-year planning period.

Financing Maintenance and Operations Improvement Projects

Not applicable.

Chapter 7—Jails

Existing Jail Facilities

The main County jail was designed for 148 beds, although it currently has 283 beds due to double bunking, internal remodeling and use of temporary beds. In 2011, the average daily population for the main jail was 265. Additionally, the jail is currently not in compliance with the Building/Fire Codes for double bunking, although a plan has been approved to bring it into compliance. Whatcom County completed construction of a 150-bed minimum security correction facility on Division St. in 2006. In 2011, the average daily population for the minimum security facility was 137. The main jail is located in the Public Safety Building next to the County Courthouse in downtown Bellingham and minimum security correction facility is located in the Bakerview Rd. industrial area.

Table 10. Inventory of Existing Jail Beds

Site No.	Facility Name	Square feet
1	Public Safety Building (311 Grand Ave.)	283
2	Minimum Security Correction Facility (2030 Division St.)	150
TOTAL		433

Future Jail Needs

A level of service of 1.42 beds for every 1,000 people in the County was adopted in 1997 in the Whatcom County Comprehensive Plan. Based on the actual average daily populations of the two County jail facilities, the County plans to review this level of service. Average daily populations documented by the Corrections Bureau since 2006 have been well above the minimum number of beds required by the current level of service standard. The County needs to review and update the existing level of service standard. This review will begin in 2013.

Proposed Jail Improvement Projects

There are serious concerns among law and justice officials relating to jail facility needs in the community. This need has been documented by recommendations from the *Whatcom County Law and Justice Plan Phase II Report* (June 2000), in a report entitled *Operational Review of the Whatcom County, Washington Jail* (March 2004), and in the *Whatcom County Jail Planning Task Force Recommendations* (Dec. 2011 and March 2012). In an effort to meet the community need, the County will be siting and constructing a Sheriff's Office New Main Jail Facility, tentatively

scheduled to open with 600 beds. At the time the Sheriff’s Office New Main Jail Facility is open, the offenders at the minimum-security corrections facility would be relocated to the new facility. A location for the Sheriff’s Office New Main Jail Facility has not been selected. It is anticipated that the new jail facility will come on line by 2016.

Financing for Jail Improvement Projects

The cost of the proposed Sheriff’s Office New Main Jail Facility is approximately \$60,000,000 within the six-year planning period. These costs would be paid for through the general fund, REET I, public utilities improvement fund, jail fund and voter and/Council approved bonds.

Table 11. Jail Improvement Projects to Serve County-Wide, 2013–2018

Site No. and Project Name	Beds	2013	2014	2015	2016	2017	2018	Total Cost	Funding Sources
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1. Sheriff’s Office New Main Jail Facility	600	10,000,000	10,000,000	18,000,000	18,000,000	4,000,000	0	60,000,000	1, 2, 3, 4 and 5
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Note: Additional projections and analysis indicate there may be a need for more than 600 beds, but these are still under review.

Funding Source Key

- 1.—General Fund
- 2.—REET I
- 3.—Public Utilities Improvement Fund
- 4.—Jail Fund
- 5.—Bonds

Chapter 8—Juvenile Detention

Existing Juvenile Detention Facilities

The 2012 inventory of County juvenile detention facilities includes 32 beds serving the county-wide population. The juvenile detention facility is located on the sixth floor of the County Courthouse at 311 Grand Avenue.

Table 12. Inventory of Existing Juvenile Detention Facilities

Site No.	Facility Name	Beds
1	County Courthouse (311 Grand Ave.)	32

Future Juvenile Detention Needs

A level of service of 0.125 beds per 1,000 population was adopted in the Whatcom County Comprehensive Plan. With projected population growth in Whatcom County over the next six years, no additional beds would be needed by the year 2018 to meet the adopted level of service.

Proposed Juvenile Detention Projects

No improvement projects are currently proposed that would increase the number of permanent beds within the six-year planning period.

Financing for Juvenile Detention Improvement Projects

Not applicable.

Chapter 9—Transportation**Roads*****Existing Roads***

The 2011 inventory shows a total of 941.5 miles of County roads. Additionally, there are 217.5 miles of state highways in Whatcom County (including I-5). Therefore, there are approximately 1,159 miles of public roads in Whatcom County.

Future Road Needs

The Whatcom County Comprehensive Plan sets level of service (LOS) standards for County roads. Future traffic and the level of service for roads can be forecasted using computer modeling software. The Whatcom Council of Governments forecasts future traffic utilizing a computer transportation model. This modeling effort will inform transportation planning in Whatcom County.

Whatcom County accomplishes planning for County road improvements by approving a Six-Year Transportation Improvement Program each year, as required by RCW 36.81.121.

Proposed Improvement Projects

The Whatcom County Council approved the Six-Year Transportation Improvement Program for the years 2013 through 2018 under Resolution No. 2012-023. This six-year plan includes preliminary planning for two proposed new road projects:

- Horton Road Connector (between Northwest Drive and Aldrich Road); and
- Lincoln Road extension (between Harborview Road and Blaine Road).

While these two projects are on the Six-Year Transportation Improvement Program, construction is not anticipated within the six-year planning period. Rather, preliminary engineering to determine project feasibility may be initiated within this time frame.

The six-year plan also includes a number of bridge replacements, several reconstruction projects, and the Birch Bay Drive & Pedestrian Facility improvements, which include pedestrian and non-motorized enhancements along Birch Bay Dr. from Alderson Rd. to Harborview Rd.

In addition to the projects in the Six-Year Transportation Program, the Lincoln Road/Birch Point connector is a developer funded project. The project completion date is unknown because of current economic conditions.

Financing for Improvement Projects

The total cost of the County transportation projects in the Six-Year Transportation Improvement Program is \$48,236,000. These costs include \$24,705,000 of County funds, with the remainder being funded by the State and Federal governments. These costs are shown in greater detail in Resolution No. 2012-023.

Lummi Ferry

Existing Ferry Facilities

Whatcom County currently has one ferry vessel serving Lummi Island. The ferry runs between Lummi Island and Gooseberry Point on a daily basis.

Future Ferry Needs

The Whatcom County Comprehensive Plan sets a level of service of 513 ferry passenger trips annually per capita of Lummi Island population. Based upon projected population, the Lummi ferry will not meet the adopted level of service over the six-year planning period.

The Whatcom County Comprehensive Plan sets a level of service of 513 ferry passenger trips annually per capita of Lummi Island population. Based upon projected population, the Lummi ferry will not meet the adopted level of service over the six-year planning period. Therefore, it will be appropriate to consider revising the LOS standard during the next comprehensive plan update.

Proposed Ferry Improvement Projects

No improvement projects that would add ferry capacity are proposed within the six-year planning period.

Financing for Ferry Improvement Projects

No improvement projects that would add ferry capacity are proposed within the six-year planning period. Other ferry improvement costs are shown on the Six-Year Transportation Improvement Program.

Chapter 10 – Stormwater and Flood Protection Facilities

Stormwater

Existing Stormwater Management Facilities

Public Works Department is responsible for the design, engineering, and construction of county-owned stormwater facilities. Many stormwater facilities are road-related stormwater conveyance systems, such as culverts and ditches, on and adjacent to county roads. Others are off-right-of-way facilities that control storm flows and improve water quality.

In response to (1) increasing federal and state mandates to manage stormwater and (2) the public's desire to improve stewardship of sensitive watersheds, Whatcom County established a Stormwater Section in the Surface Water Division of the Public Works Department in 2005. The Stormwater Section is responsible for planning, designing, engineering, and construction of stormwater facilities. Inventories of existing stormwater facilities are maintained by the Public Works Department. Engineering Services Division maintains an inventory of all road-related facilities. The Surface Water Division maintains an inventory of public and private stormwater facilities in the area covered by the county's NPDES Phase II permit for Municipal Separate Storm Sewer Systems. This inventory includes ditches, culverts, catch basins, vaults, ponds and swales. Stormwater projects that have been constructed since the Public Works Stormwater Section was created in 2005 are listed below:

Table 13. Stormwater projects constructed since 2005

Existing Site No.	Watershed	Facility Name	Year Completed
1	Lake Whatcom	Geneva stormwater retrofits	2006
2	Lake Whatcom	Cable Street reconstruction & stormwater improvements	2007
3	Lake Whatcom	Lahti Drive stormwater improvements	2010
4	Lake Whatcom	Silver Beach Creek improvements - Brownsville Drive to E. 16th Place	2011



Whatcom County Public Works received several awards for the Silver Beach Creek improvements, which were completed in 2011 (existing site no. 4 above). Silver Beach Creek experiences increased stormwater runoff and greater peak flows due to its developed landscape. This project is designed to substantially improve water quality and reduce flooding in an especially problematic reach of the creek. The project included reshaping and stabilizing the stream channel, installing water quality treatment swales, and installing stormwater vaults. These improvements filter phosphorus-containing sediment, alleviate flooding, reduce erosion, and promote infiltration. Project construction cost was approximately \$900,000 and shared between local real estate excise tax (REET) revenues and a federal EPA grant.

Financing for Stormwater Projects

An increasing emphasis on the protection of sensitive watersheds has resulted in the adoption of comprehensive stormwater plans for Lake Whatcom and Birch Bay. A similar plan is currently being developed by the Lake Samish community. The adopted plans identify work towards planning, design, engineering, and construction of capital projects intended for the next six years.

Capital facilities that may be constructed during the next six years are listed below. Projects are expected to be financed by a combination of REET, grants, countywide Flood Control Zone District tax revenues, local Flood Control fees and, potentially, the county general fund. Where appropriate, matching contributions from other beneficiaries will be sought.

Table 14. Lake Whatcom Stormwater Projects 2013–2018

Project Name	2013	2014	2015	2016	2017	2018	Total Cost	Funding Sources
1. Velocity and volume reductions, Coronado	290,000	0	0	0	0	0	290,000	1 and 2
2. Natural drainage retrofits, Strawberry sub-basin	330,000	0	0	0	0	0	330,000	1 and 2
3. Euclid Ave/Cedar Hills Install rain gardens, filter vaults and swales	0	500,000	0	0	0	0	500,000	1 and 3
4. Velocity and volume reductions, Agate Bay Lane	0	0	200,000	0	0	0	200,000	1 and 3
5. Water Quality protection, Agate Heights Reduce ditch erosion and install bio-infiltration swales	0	0	200,000	0	0	0	200,000	1 and 3
6. Stream restoration, Beaver Creek	0	0	0	220,000	0	0	220,000	1 and 3
7. Sudden Valley, water quality improvements Drainage system upgrades and water quality facilities	0	0	0	200,000	0	0	200,000	1 and 2
8. Velocity reductions, Toad Lake at Academy Rd.	0	0	0	0	400,000	0	400,000	1 and 2
9. Silver Beach Creek main channel restoration below Hills Dale	0	0	0	0	0	450,000	450,000	1 and 2
10. Lake Whatcom Blvd. stormwater improvements Vaults and roadside treatments	150,000	600,000	0	0	0	0	750,000	1, 2 and 4
Total	770,000	1,100,000	400,000	420,000	400,000	450,000	3,540,000	

Funding Source Key

1.—REET II

2.—Grants

3.—Flood Control Zone District taxes

4.—Local Flood Control Subzone District Fees

Table 15. Birch Bay Stormwater Projects 2013–2018

Project Name	2013	2014	2015	2016	2017	2018	Total Cost	Funding Sources
1. Cottonwood By-pass Re-route to new outlet and installation of water quality treatment facilities	400,000	0	0	0	0	0	400,000	1, 2 and 4
2. Cottonwood- Fern & Beachway Neighborhood drainage improvement	150,000	0	0	0	0	0	150,000	1, 2 and 4
3. Shintaffer Road/Deer Creek, Partial re-route to new upgraded outlet water quality treatment facilities	0	425,000	0	0	0	0	425,000	1, 2 and 4
4. Roger's Slough, System upgrades to reduce flooding and provide water quality treatment facilities	50,000	0	250,000	0	0	0	300,000	1, 2 and 4
5. Birch Bay Dr., Stormwater upgrades to beach outfalls	0	0	0	500,000	0	0	500,000	1,2,3 and 4
6. Point Whitehorn, Drainage upgrade and water quality facility installation	0	0	0	0	200,000	0	200,000	1, 2 and 4
7. Central Birch Bay Establish one or more drainage routes from upland to bay, install or upgrade conveyance system and develop water quality treatment facilities	0	0	0	0	0	750,000	750,000	1, 2 and 4
Total	600,000	425,000	250,000	500,000	200,000	750,000	2,725,000	

Funding Source Key

- 1. REET II
- 2. Grants
- 3. Flood Control Zone District taxes
- 4. Local Flood Control Subzone District Fees

Table 16. Lake Samish Stormwater Projects 2013–2018

Project Name	2011	2012	2013	2014	2015	2016	Total Cost	Funding Sources
1. Lake Samish Stormwater Plan	30,000	0	0	0	0	0	30,000	1
Total	30,000	0	0	0	0	0	30,000	

Funding Source Key

- 1. REET II
- 2. Grants
- 3. Flood Control Zone District taxes
- 4. Local Flood Control Subzone District Fees

Flood Protection

Existing Flood Protection Facilities

Whatcom County has been involved in river management and protection of infrastructure for decades. In response to the devastating floods in 1990, the County established a County-wide Flood Control Zone District to address the natural hazards associated with river flooding, lowland flooding, landslides, and coastal storms. Projects range from repairs to existing flood control facilities after flood events, to flood hazard reduction projects that typically result from a comprehensive flood hazard management planning process. Significant flood projects that have been constructed since 2000 are listed below.

Table 17. Significant flood projects constructed since 2000

Existing Site No.	Location	Project Name	Year Completed
1	South Fork Nooksack	Saxon Bank Stabilization Project	2001
2	Near Sumas	Saar Creek Sediment Trap	2003
3	Near Everson	Everson Overflow Bank Stabilization Project	2006
4	Near Ferndale	Bertrand Creek Levee Setback Project	2006
5	Deming	Deming Levee Rehabilitation Project	2008
6	Near Ferndale	Hovander Park Levee Setback Project	2010
7	Varies	Acquisition of flood-prone properties	on-going

Financing for Flood Protection Projects

Capital facilities that may be constructed during the next six years are listed below. Projects are expected to be financed by a combination of real estate excise taxes (REET), grants, countywide Flood Control Zone District tax revenues, local Flood Control and diking district fees and, potentially, the county general fund. Where appropriate, matching contributions from other beneficiaries will be sought.

Table 18. Flood Protection Projects 2013–2018

Project Name	2013	2014	2015	2016	2017	2018	Total Cost	Funding Sources
1. Canyon Creek Fish Habitat Restoration and Flood Protection	2,226,000	50,000	0	0	0	0	2,276,000	2 and 3
2. Deming School and Tribal Treatment Facilities Flood Protection	300,000	1,250,000	50,000	0	0	0	1,600,000	1,2,3 and 4
3. Jones Creek Deflection Berm Debris Flow Protection and Turkington Rd. bridge reconfiguration	675,000	325,000	2,000,000	0	0	0	3,000,000	1,2,3 and 4
4. Swift Creek and Sumas River Bridges Sediment Management	25,000	25,000	25,000	25,000	25,000	25,000	150,000	1,2,3 and 4
Total	3,226,000	1,650,000	2,075,000	25,000	25,000	25,000	7,026,000	

Funding Source Key

- 1.—REET II
- 2.—Grants
- 3.—Flood Control Zone District taxes
- 4.—Local Flood Control Subzone District Fees

Chapter 11 – Improvements to Existing Buildings

Whatcom County plans to make the following improvements to existing buildings within the six-year planning period to maintain or enhance the function of these structures:

Table 19. Improvement to Existing Buildings, 2013–2018

Project Name	2013	2014	2015	2016	2017	2018	Total Cost	Funding Sources
1. Civic Center Annex - Repair & retrofit, HVAC, engineering, lighting, and exterior repair	1,000,000	1,000,000	0	0	0	0	2,000,000	1, 2, 3 and 5
2. Upgrade jail and juvenile controls and improve exiting	1,400,000	1,000,000	0	0	0	0	2,400,000	1, 3, 4 and 5
3. Courthouse - Exterior engineering evaluation and repairs	100,000	300,000	1,000,000	0	0	0	1,400,000	1, 2 and 3
4. Courthouse - window replacement	0	250,000	0	0	0	0	250,000	1 and 3
5. Courthouse - Full suite courtroom and judicial hearing room	200,000	1,000,000	0	0	0	0	1,200,000	3 and 7
6. Reconfiguration of Triage - Engineering evaluation and remodel	0	0	120,000	0	800,000	0	920,000	2,3, and 6
7. Reconfiguration of Old Jail - Engineering and remodel	0	0	0	120,000	800,000	0	920,000	4
8. Northwest Annex - Engineering and remodel	0	0	120,000	800,000	0	0	920,000	2 and 3
9. Whatcom County Buildings Interior Painting	50,000	50,000	0	0	0	0	100,000	3
10. Central Plaza Building Engineering & Replacement 4 Gas-Packs, HVAC	10,000	65,000	0	0	0	0	75,000	3
11. Courthouse Exit Light Replacement	35,000	0	0	0	0	0	35,000	3
12. Central Plaza Building Exterior Building Envelope Repairs & Maintenance	10,000	40,000	0	0	0	0	50,000	3
Total	2,805,000	3,705,000	1,240,000	920,000	1,600,000	0	10,270,000	

Funding Source Key

- 1.—Grants
- 2.—EDI funds
- 3.—REET
- 4.—Jail Fund

- 5.—Bonds
- 6.—Behavioral Health Fund
- 7.—General Fund

Chapter 12 – Costs by Project Category

Table 20. Cost by Project Category, 2013–2018

Project Category	2013	2014	2015	2016	2017	2018	Cost (2013-2018)	Percent of Total Cost
Parks	100,000	400,000	730,000	430,000	530,000	280,000	2,470,000	1.76%
Trails	1,500,000	155,000	1,140,000	1,125,000	1,125,000	1,175,000	6,220,000	4.43%
Sheriff's Office-New								
Jail	10,000,000	10,000,000	18,000,000	18,000,000	4,000,000	0	60,000,000	42.70%
Transportation	18,906,000	11,205,000	4,470,000	4,552,000	4,552,000	4,551,000	48,236,000	34.33%
Stormwater Flood Protection Existing	1,400,000	1,525,000	650,000	920,000	600,000	1,200,000	6,295,000	4.48%
Buildings	3,226,000	1,650,000	2,075,000	25,000	25,000	25,000	7,026,000	5.00%
Total Cost	37,937,000	28,640,000	28,305,000	25,972,000	12,432,000	7,231,000	140,517,000	100.00%