City of Blaine
6 Year
Transportation Improvement Program
2014- 2019

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2014-2019
6-Year Transportation Improvement Program

Project Status:
F = Funded Project
P = Partially Funded Project

Project Status	Funded and Partially Funded Projects Project	Length	2014 PE	2014 ROW	2014 Constr	2015 PE	2015 ROW	2015 Constr	2016 PE	2016 ROW	2016 Constr	2017-2019 PE	2017-2019 ROW	2017-2019 Constr	Project Total
F	Boblett/SR 543 Signalization - Boblett & SR 543	0.05													$0
	State		$18				$10				$141				$169
	Federal		$116				$61				$604				$781
	Local/Other														
	Project		**$134**	**$0**	**$0**	**$0**	**$71**	**$0**	**$0**	**$0**	**$745**	**$0**	**$0**	**$0**	**$950**
P	H Street Sidewalk Gap Elimination - 300 feet E of SR 543 to Grant	0.03													$0
	State					$15	$25				$50				$90
	Local/Other											$2	$3	$5	$10
	Project		**$0**	**$0**	**$0**	**$15**	**$25**	**$0**	**$0**	**$0**	**$50**	**$2**	**$3**	**$5**	**$100**
P	City Wide Pavement Preservation	n/a												$100	$100
P	City Wide Safety and ADA Sidewalk Improvements	n/a												$30	$30
		Subtotals	$134	$0	$0	$15	$96	$0	$0	$0	$795	$2	$3	$135	$1,180
		TOTAL			**$134**			**$111**			**$795**			**$140**	**$1,180**

Unfunded Costs

Project Priority	Projects With No Funding Project	Length	2014 PE	2014 ROW	2014 Constr	2015 PE	2015 ROW	2015 Constr	2016 PE	2016 ROW	2016 Constr	2017-2019 PE	2017-2019 ROW	2017-2019 Constr	Project Total
1	I-5 Exit 274 Interchange/Environmental Review & Preliminary Design	0.20							$500			$3,500		$46,000	$50,000
2	Mitchell Avenue Improvements - 200 feet N of Cherry to Boblett	0.16	$105	$5				$395							$505
3	Hughes Ave/Peace Portal Intersection Realignment	0.05				$40					$350				$390
4	Hughes Avenue Reconstruction (Phase 1) - Peace Portal to Odell	0.36				$200					$2,000				$2,200
5	Semiahmoo Spit Pedestrian Path Safety Improvements - Phase 1	0.25							$15					$100	$115
6	D Street/16th Intersection Realignment	0.05							$25	$15				$120	$160
7	Yew Avenue Repairs & Overlay - Hughes to Boblett	0.90										$20		$450	$470
8	Peace Portal Drive Sidewalk Gap Elimination - Clark to Boblett	0.12										$40	$10	$80	$130
9	Bell Road at Peace Portal Intersection Improvements	0.05										$10	$10	$55	$75
		Subtotals	$105	$5	$0	$240	$0	$395	$540	$15	$2,350	$3,570	$20	$46,805	$54,045
		TOTAL			$110			$635			$2,905			$50,395	$54,045

PE = Preliminary Engineering
ROW = Right of Way
Constr = Construction

Program Total	$55,225

All costs in thousands of dollars

Boblett/SR 543 Signalization

Project Limits:	**Boblett/SR 543 Intersection**
Design/ROW:	**2013**
Construction:	**2015**
Cost Estimate:	**$950,000**

Project Basis:
The Boblett/SR 543 intersection has several challenges. The signal consists of as antiquated span wire which requires frequent repair. Truck turning movements encounter multiple conflict s due to width, lane channelization , and the location of Yew Avenue. Lane shifts on Boblett (east leg) impact the operation of the intersection during peak traffic periods.

Project Benefits:

- Install a reliable and responsive signal system
- Signal coordination will incorporate Yew Avenue
- Improve truck turning movements
- North side Bicycle/Pedestrian facility
- Right of way will be required to expand Boblett to three lanes and add right turn pocket on north side.

H Street Sidewalk Gap Elimination

Project Limits:	**SR 543 to Grant St**
Design/ROW:	**2013**
Construction:	**2014**
Cost Estimate:	**$65,000**

Project Basis:

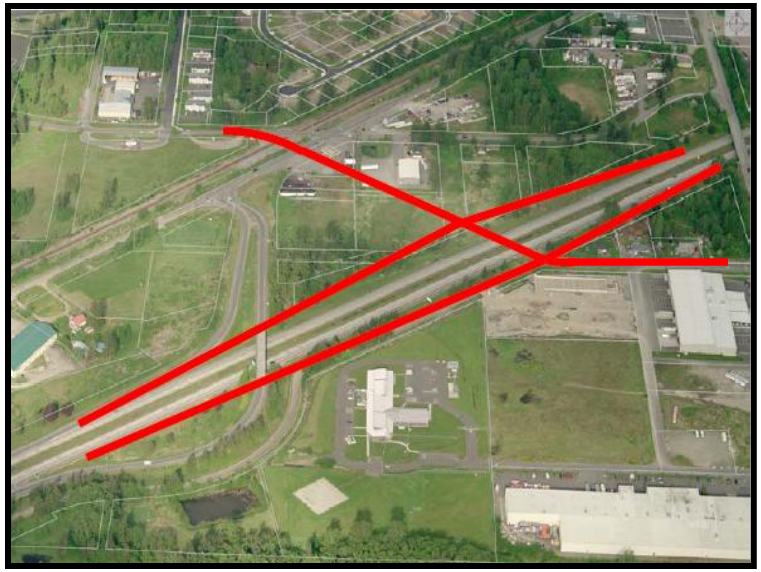
This section of the H Street sidewalk is a missing link in front of the Chevron Station on the north side of H Street. This project is part of a school pedestrian route and provides access to the businesses in the immediate area. Currently pedestrians walk either in the busy street or through the landscape area where the sidewalk would otherwise be located.

Project Benefits:

- Construct a new sidewalk and resolve the gap
- Add ADA ramps and correct any existing deficiencies
- Correct ADA ramp deficiencies at the H St/Ludwig intersection.

I-5 Exit 274 Interchange Design

Project Limits: Odell Rd to Peace Portal Dr
PE/ROW: 2013/2017
Const: Approx $46 million
Cost Estimate: $400k in 2014 - 30% Design
$3,500k in 17/18 – Full Design



Project Basis:

Exit 274 exists as south side partial interchange. These improvements will provide the needed road network connectivity to the Pac Highway Border crossing ("the Truck Route") and alternate border crossings on SR 539 and SR 546 (Lynden and Sumas). The Pac Highway Border Crossing is the largest freight crossing west of the Mississippi moving over $10 billion in trade every year. Without a full interchange at Exit 274 (this project), freight congestion often backs up onto I-5 (a 70 mph freeway) as there is currently no alternative access to the border (Exit 275).

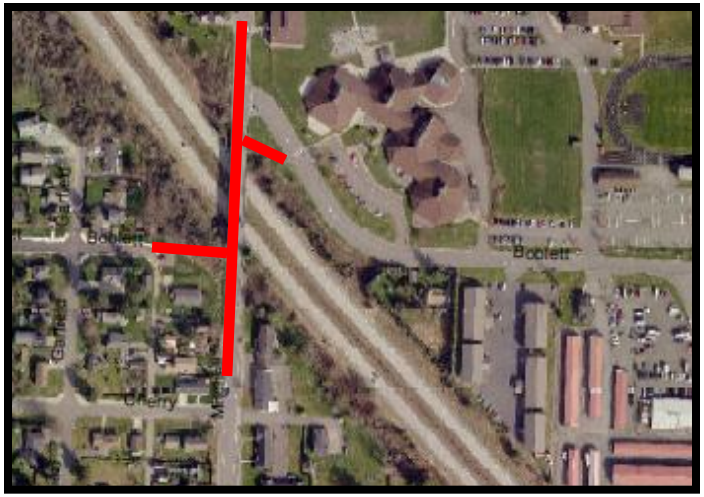
Project Benefits:

- Provide alternative freight access to border during high volume back-ups
- Improve direct access to the Blaine Industrial Area,
- Improve access to CBP's Freight Secondary Inspection Facility (Boblett St)
- Links the regional connection to Lynden and Sumas via Sweet Rd/Badger Rd (SR 546)
- Provide full access to I-5 in south Blaine which border traffic bypasses with the lack of southbound off ramp; this has never fully developed due to the limited access to I-5.

Mitchell Avenue Improvements

Project Limits:	**Cherry to Boblett**
Design/ROW:	**2014**
Construction:	**2015**
Cost Estimate:	**$520,000**

Project Basis:
This section of Mitchell Ave spans the I-5 overpass and serves as a primary access to the Blaine School District. There are a number of ADA and pedestrian improvements which are needed to provide safe and reliable pedestrian access. The abutments to the overpass have severely settled over the years making the sidewalk approaches no longer ADA compliant. The Boblett Street end paved path is in great need of repair and has sight distance issues at Mitchell.



Proposed Benefits:

- Retrofit bridge approaches on street and sidewalks
- Correct ADA deficiencies (9 locations)
- Realign Boblett Street End Path to improve sight distance replace paved trail
- Pave Primary School short cut to provide safe access
- Rehabilitate pavement.

Hughes Avenue/Peace Portal Intersection Realignment

Project Limits:	**Intersection**
Design/ROW:	**2014**
Construction:	**2015**
Cost Estimate:	**$390,000**

Project Basis:
This intersection is skewed at less than 75 with Peace Portal and a rail road crossing; not meeting standards. Hughes Avenue is the southern route into the industrial area and experiences a significant volume of truck traffic. The skewed intersection hampers truck turning movements and negatively affects the operation of the intersection.

Project Benefits:
- Realign intersection to near 90°
- Improve truck turning radius to prevent truck over tracking
- Reconstruct approach to heavy load standards

Hughes Avenue Reconstruction (Phase 1)

Project Limits:	**Peace Portal Dr to Odell Rd**
Design/ROW:	**2014**
Construction	**2015**
Cost Estimate:	**$2,200,000**

Project Basis:

This project supports the improvement of the Hughes Avenue intersection as part of the overall upgrade to the southern corridor serving the industrial area. The two primary existing conditions impacting the arterial are severely distressed pavement from heavy vehicles and narrow roadway width.

Project Benefits:

- Reconstruct roadway to heavy load standards
- Improve truck turning radii at key intersections
- Provide additional width in key locations to improve access to adjacent properties.

Semiahmoo Spit Pedestrian Path Safety Improvements - Phase 1

Project Limits: **County Park to ½ mi north**
Design/ROW: **2015**
Construction: **2016**
Cost Estimate: **$ 115,000**

Project Basis:

This section of pathway is a grade with Semiahmoo Parkway with very little separation from adjacent traffic. There is a history of cars parking on the trail while attempting to pull off of the road during heavy activity on the Spit. There are also several areas where the paved path has experienced moderate to severe cracking and settlement damage.

Project Benefits:

- Improve traffic/pedestrian separation with the use of:
  - Hard curbing
  - Fencing and landscape features
- Perform asphalt repairs where needed.

D Street/16th Intersection Realignment

Project Limits:	**D Street/16th**
Design/ROW:	**2015**
Construction:	**2016**
Cost Estimate:	**$160,000**

Project Basis:

This intersection has a significant sight distance issue caused by a vegetative sight screen on private property located only a couple of feet from the edge of pavement. Because of this issue the intersection is signed with all way stop control. Project may require minor right of way acquisition to maintain required clear zone.

Project Benefits:

- Improve sight distance at intersection
- Remove all way stop control; convert D St into a through street
- Minor realignment to relax the sharp curve.

Yew Avenue Repairs & Overlay

Project Limits:	**Boblett St to Hughes Ave**
Design/ROW:	**2018**
Construction:	**2018**
Cost Estimate:	**$465,000**

Project Basis:

Yew Avenue was used as the primary truck route between Hughes Ave and Boblett/SR 543 for the west side of the airport before it was closed in 2008. Over that history, it has experienced very heavy damage to the pavement. Other deficiencies include the absence of guardrail protection on the west side and road side drainage issues.

Project Benefits:

- Repave with cement treated base
- Install guardrail on the west side
- Regrade ditches and ensure positive drainage.

Peace Portal Sidewalk Gap Elimination

Project Limits:	**Clark St to Boblett St**
Design/ROW:	**2018**
Construction:	**2019**
Cost Estimate:	**$130,000**

Project Basis:

This section of the Peace Portal Drive sidewalk reduces to a narrow gravel trail between Clark and Boblett. There is a steep slope which will need to be stabilized as either part of the project or a future private development. This location provides pedestrian access between downtown businesses and residential areas.

Project Benefits:

- Construct a new sidewalk and resolve the gap
- Stabilize street side slope.

Bell Road at Peace Portal Intersection Improvements

Project Limits:	**Intersection Only**
Design/ROW:	**2018**
Construction:	**2019**
Cost Estimate:	**$75,000**

Project Basis:

The existing intersection is poorly aligned and lacks positive drainage. In addition, traffic back ups due to the train crossing prevent people from navigating safely through the intersection.

Project Benefits:

- Drainage Improvements
- Additional right turn lane s for westbound and northbound
- Improve congestion during train crossings.