

DRAFT Transportation Improvement Projects and Programs

City of Lynden Transportation Element Update

	PID	Location (Extents)	Description	Benefit				Mode				Relative Priority	Time Frame	2021 Total Cost Estimate	2016 Total Cost Estimate
				Capacity	Safety	Connectivity	Mobility	Vehicles	Pedestrians	Bicycles	Transit				
Safety and Capacity	C-1	Birch Bay - Lynden Road and Berthusen Road	Evaluate intersection operations and install roundabout to improve future level of service when needed.	✓	✓			✓				Medium	Mid	\$1,159,000	\$1,040,000
	C-2	17th Street and Grover Street	Evaluate intersection operations and install traffic signal to improve future level of service when needed.	✓	✓			✓	✓		✓	Low	Long	\$535,000	\$480,000
	C-3	Nooksack & Grover	Evaluate intersection operations and install traffic signal to improve future level of service when needed.	✓	✓			✓	✓		✓	Low	Long	\$535,000	\$480,000
	C-6	Benson Road and Main Street	Evaluate intersection operations and install traffic signal to improve future level of service when needed.	✓	✓			✓	✓			Low	Long	\$535,000	\$480,000
Corridor Upgrades	R-3	3rd St between Front and Grover	Reconstruct corridor to HBD standards (inc. 36' width), including sidewalks. Complete intersection and signal timing improvements as needed.		✓	✓	✓	✓	✓	✓		Medium	Mid	\$602,000	\$540,000
	R-4	4th St between Front and Grover	Reconstruct corridor to HBD standards with two one-way travel lanes with angled parking and center median with farmer's market area and possible use as community event space		✓	✓	✓	✓	✓	✓		Medium	Short	\$1,782,000	\$1,600,000
	R-5	6th St between Front and Grover	Reconstruct corridor to HBD standards (inc. 36' width), including sidewalks.		✓	✓	✓	✓	✓	✓		Medium	Mid	\$524,000	\$470,000
	R-6	Main Street from Berthusen E .5 mile to existing roadway	Reconstruct corridor to City standards (inc. 36' width), including sidewalks and bicycle facilities.		✓	✓	✓	✓	✓	✓		Medium	Short	\$2,821,000	\$2,532,000
	R-7	Bradley Road from Vinup Road to Line Road	Reconstruct corridor to City standards (inc. 36' width), including sidewalks and bicycle facilities.		✓	✓	✓	✓	✓	✓		Medium	Mid	\$454,000	\$408,000
	R-8A	Line Road from Badger Road to Aaron Drive	Reconstruct corridor to City standard (inc. 36' width), including sidewalks and bicycle facilities, and other safety measures to improve access to Middle School		✓	✓	✓	✓	✓	✓	✓	Medium	Mid	\$802,000	\$720,000
	R-8B	Line Road from Kamm Road to Bradley Road	Reconstruct corridor to City standard (inc. 34' width), including sidewalks and bicycle facilities, and other safety measures to improve school access. Includes replacement of fish passage barrier culvert.		✓	✓	✓	✓	✓	✓	✓	Medium	Mid	\$1,225,000	\$1,100,000
	R-9	Northwood Road from Badger Road (SR-546) to City Limits	Reconstruct corridor to City standard (inc. 36' width), including sidewalks and bicycle facilities.		✓	✓	✓	✓	✓	✓		Low	Long	\$5,269,000	\$4,730,000
	R-10	Kamm Road from Line Road to Northwood Road	Reconstruct corridor to City standard (inc. 36' width), including sidewalks and bicycle facilities.		✓	✓	✓	✓	✓	✓		Low	Long	\$3,698,000	\$3,320,000
	R-11	4th Street from Front Street to new Riverview Road (Project 13)	Reconstruct corridor to City standard (inc. 36' width), including sidewalks and bicycle facilities.		✓	✓	✓	✓	✓	✓		Medium	Mid	100% Developer	100% Developer
	R-12	W Front Street and Tromp from Duffner Drive to Birch Bay - Lynden Road	Reconstruct corridor to City standard (inc. 36' width), including sidewalks and bicycle facilities.		✓	✓	✓	✓	✓	✓		Medium	Long	\$4,690,000	\$4,210,000
	R-13	Double Ditch Road from Main Street to Village Drive	Maintain existing roadway width and cross-section, but complete other Reconstructs to City standards, including sidewalks.		✓	✓	✓	✓	✓			Low	Long	\$568,000	\$510,000
Multimodal Connections	M-5	West Subarea - North-South Connection	Developer funded roadway extending Tromp Road to W Main Street serving new developments in West subarea. Alignments will be designed as part of future subarea studies.			✓	✓	✓	✓	✓		Low	Long	100% Developer	100% Developer
	M-6	West Subarea - East-West Connection	Developer funded roadway extending Front Street to Berthusen Road serving new developments in West subarea. Alignments will be designed as part of future subarea studies.			✓	✓	✓	✓	✓		Low	Long	100% Developer	100% Developer
Active Transportation	A-2	Badger Rd Bike Pedestrian Corridor On-Street Bicycle Connection	Bicycle and pedestrian facilities on the South side of Badger Rd (SR546) providing safe east west corridor between Northwood and Bender Road			✓			✓	✓		Medium	Long	100% Developer	100% Developer
	A-3	Non-Street Trails Plan Projects	Paved trails based on county parks plan including new pathways adjacent to Nooksack River and Fish Trap Creek trails. (Parks Funded)			✓			✓	✓		Medium	Long	\$2,651,000	\$2,380,000
	A-4	Depot to 8th Street Trail	New trail from 8th Street to Depot Road on ROW adjcent to Fishtrap Creek. Includes new 60' bridge across creek. (Parks Funded)		✓	✓	✓		✓	✓		Medium	Short	\$2,495,000	\$2,240,000
Citywide Programs	P-1	Street Overlay, Maintenance and Operations Program	Annual program to maintain and operate the City's transportation roadway infrastructure.		✓		✓	✓				Medium	Ongoing	\$11,140,000	\$10,000,000
	P-2	Bicycle Facilities and Pathways Program	Striping of City-identified bicycle routes within City limits. Some facilities may be listed above in reconstruction projects.		✓	✓	✓			✓		Medium	Ongoing	\$223,000	\$200,000
	P-3	Sidewalk / Crossing Improvement Program	Annual program to construct missing sidewalk links, repair existing sidewalks, improve crosswalk markings, and install ADA- accessible curb ramps at intersections.		✓	✓	✓		✓			High	Ongoing	\$613,000	\$550,000

estimate updated

Revised

Revised

TIF Eligible	TIF %	TIF Portion of Cost Estimate	TIF Notes	Grant Eligible	Grant Competitive %	Developer Funded %	Developer Portion of Cost Estimate	General City or Other Agency Transportation Funds
Y	80%	\$927,200		Y	0%	0%	\$0	\$231,800
Y	80%	\$428,000		Y	0%	0%	\$0	\$107,000
Y	80%	\$428,000		Y	0%	0%	\$0	\$107,000
Y	80%	\$428,000		Y	0%	0%	\$0	\$107,000
Y	15%	\$90,300		N	0%	0%	\$0	\$511,700
Y	15%	\$267,300		N	0%	0%	\$0	\$1,514,700
Y	15%	\$78,600		N	0%	0%	\$0	\$445,400
Y	15%	\$423,150		Y	85%	0%	\$0	\$0
Y	15%	\$68,100		Y	85%	0%	\$0	\$39,100
Y	15%	\$120,300		Y	85%	0%	\$0	\$69,700
Y	15%	\$183,750		Y	85%	0%	\$0	\$106,250
Y	15%	\$790,350		Y	85%	0%	\$0	\$458,150
Y	15%	\$554,700		N	0%	0%	\$0	\$3,143,300
N	0%	NA		N	0%	100%	NA	\$0
Y	15%	\$703,500		N	0%	0%	\$0	\$3,986,500
Y	15%	\$85,200		N	0%	0%	\$0	\$424,800
N	0%	NA		N	0%	100%	NA	\$0
N	0%	NA		N	0%	100%	NA	\$0
N	0%	NA		N	0%	100%	NA	\$0
N	0%	\$0		Y	5%	0%	\$0	\$2,261,000
N	0%	\$0		Y	50%	0%	\$0	\$1,120,000
N	0%	\$0		N	10%	0%	\$0	\$9,000,000
N	0%	\$0		N	0%	0%	\$0	\$200,000
N	0%	\$0		N	0%	0%	\$0	\$550,000

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City of Lynden Transportation Element Update

	PID	Location (Extents)	Description	Benefit				Mode				Relative Priority	Time Frame	2021 Total Cost Estimate	2016 Total Cost Estimate
				Capacity	Safety	Connectivity	Mobility	Vehicles	Pedestrians	Bicycles	Transit				
Pepin Creek Projects	PC-2	Main Street Bridge @ Pepin Creek	Construct new bridge over realigned Pepin Creek					✓	✓	✓				\$3,331,000	
	PC-3	Pine St Bridge (Vehicle Bridge Only)	Construct new bridge over realigned Pepin Creek					✓	✓	✓				\$2,888,000	
	PC-4	Double Ditch Rd Phase 1: Pepin Creek Main Stem	Contruct new Pepin Creek main stem to allow for Double Ditch Rd transportation improvements		✓									\$8,277,000	
	PC-5	Double Ditch Rd Phase 2: Pepin Creek East/West Connection	Contruct new Pepin Creek east/west connection to allow for Double Ditch Rd transportation improvements		✓									\$1,534,000	
	PC-7	Double Ditch Rd Phase 3: Double Ditch Rd Cross Culvert	Contruct new Pepin Creek cross culvert to allow for Double Ditch Rd transportation improvements		✓									\$807,000	
	PC-8	Double Ditch Rd Phase 4: Roadway Improvements	Improve/widen Double Ditch Rd to urban standards, between Pepin Parkway and Main St (2lanes, bike/ped, shoulder)					✓	✓	✓				\$4,416,000	
	PC-9	Benson Rd Pedestrian Improvements- North	Construct pedestrian improvements between Park St and new Pepin Parkway (near Sunrise Dr)				✓		✓					\$359,000	
	PC-10	Benson Roadway Improvements	Improve/widen Benson Rd to urban standards, between Pepin Parkway and Badger Rd (SR 546)	✓		✓	✓	✓	✓	✓				\$4,217,000	
	PC-11	Pepin Parkway Bridge @ Pepin Creek	Construct new bridge over realigned Pepin Creek (link with PC-12)	✓		✓	✓	✓	✓	✓				\$2,741,000	
	PC-12	Pepin Parkway Construction	Construct new roadway between Benson Rd and Double Ditch Rd	✓		✓	✓	✓	✓	✓				\$5,093,000	
	PC-13	Main St. /Double Ditch Rd Intersection Improvements	Intersection widening and new traffic control (signal or compact roundabout)	✓		✓	✓	✓	✓	✓				\$1,433,000	
Other Agency Projects	O-1	SR 546 and Benson Road	Upgrade intersection to a roundabout consistent with designs at adjacent intersections on SR 546 corridor.	✓	✓			✓				Medium	Mid	\$1,225,000	\$1,100,000
	O-2	SR 546 and Vinup Road	Upgrade intersection to a roundabout consistent with designs at adjacent intersections on SR 546 corridor.	✓	✓			✓				Medium	Mid	\$1,203,000	\$1,080,000
	O-3	SR 546 and Line Road	Upgrade intersection to a roundabout consistent with designs at adjacent intersections on SR 546 corridor.	✓	✓			✓				High	Mid	\$1,225,000	\$1,100,000
	O-4	SR 539 (Guide Meridian) from Birch Bay Lynden to SR 546 (Badger Rd)	Add roadway capacity as part of WSDOT project. Widen roadway to 4 travel lanes between BBL and Main Street. Lane and shoulder widening north of Main Street with safety improvements. Possible roundabouts at Main and Badger Intersections.	✓	✓	✓	✓	✓			✓	High	Mid	\$24,073,000	\$21,610,000

Total CIP Estimate		
Safety and Capacity	\$2,764,000	\$2,480,000
Corridor Upgrades	\$22,435,000	\$20,140,000
Multimodal Connections	\$0	\$0
Active Transportation	\$5,146,000	\$4,620,000
Citywide Programs	\$11,976,000	\$10,750,000
Pepin Creek Projects	\$28,877,000	\$0
Other Agency (State Route) Projects	\$27,726,000	\$24,890,000
TOTAL	\$98,924,000	\$62,880,000

100%

TIF Eligible	TIF %	TIF Portion of Cost Estimate	TIF Notes	Grant Eligible	Grant Competitive %	Developer Funded %	Developer Portion of Cost Estimate	General City or Other Agency Transportation Funds
Y	25%	\$832,750		Y				
Y	25%	\$722,000		N				
Y	25%	\$2,069,250		N				
Y	25%	\$383,500		N				
Y	25%	\$201,750		Y				
Y	25%	\$1,104,000		Y				
Y	25%	\$89,750		Y				
Y	25%	\$1,054,250		Y				
Y	100%	\$2,741,000		N				
Y	100%	\$5,093,000		N				
Y	80%	\$1,146,400		Y				
N	0%	\$0		N	0%	0%	\$0	\$1,100,000
N	0%	\$0		N	0%	0%	\$0	\$1,080,000
N	0%	\$0		N	0%	0%	\$0	\$1,100,000
N	0%	\$0		N	0%	0%	\$0	\$21,610,000

TIF Contribution	\$21,014,100	Grant Contribution		Developer Contribution	Agency Contribution
\$2,211,200	\$2,211,200	\$0		\$0	\$552,800
\$3,365,250	\$3,365,250	\$8,312,150		\$0	\$10,699,600
\$0	\$0	\$0		\$0	\$0
\$0	\$0	\$1,239,000		\$0	\$3,381,000
\$0	\$0	\$1,000,000		\$0	\$9,750,000
\$15,437,650	\$15,437,650				
\$0	\$0	\$0		\$0	\$24,890,000
TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL

17%

0%

78%

CITY TOTAL	\$24,383,400
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39%