



TRANSPORTATION COMMITTEE
JUNE 21, 2017
5:30 P.M.
COUNCIL CHAMBERS

1. **6-YEAR TRANSPORTATION IMPROVEMENT PROGRAM**
MARTIN HOPPE, TRANSPORTATION MANAGER
(STAFF REPORT ATTACHED)

2. **STREET OVERLAY PROGRAM 2018-2020**
ROGER SCHOESSEL, CITY ENGINEER
(VERBAL – NO ATTACHMENT)

3. **NE LACEY TRANSPORTATION PROJECTS STATUS UPDATE**
ROGER SCHOESSEL, CITY ENGINEER
(VERBAL – NO ATTACHMENT)



Transportation Committee June 21, 2017

SUBJECT: Six-Year Transportation Improvement Plan

RECOMMENDATION: Recommend approval of the proposed 2018 Six-Year Transportation Improvement Program (TIP).

STAFF CONTACT: Scott Spence, City Manager *SS*
Scott Egger, Director of Public Works *SE*
Roger Schoessel, City Engineer *RAS*
Martin Hoppe, Transportation Manager *MH*

ORIGINATED BY: Public Works Department

ATTACHMENTS: 1. [TIP Summary Sheet](#)
2. [Draft Mitigation List](#)

FISCAL NOTE: The Six-Year Transportation Improvement Plan does not immediately obligate the City to fund the identified traffic improvement projects listed. Projects listed are future improvements that will ultimately be paid with a portion, or a combination, of fuel taxes, Real-Estate Excise Taxes, traffic mitigation paid by development, and state and federal transportation grants.

PRIOR REVIEW: The Planning Commission held a hearing on May 16, 2017.

BACKGROUND:

The City is required to prepare an annual Transportation Improvement Plan (TIP) and submit it to the Washington State Department of Transportation (WSDOT) and Thurston Regional Planning Council (TRPC) by July 31 each year.

The primary purpose of the TIP is to track the Federal Transportation and State Transportation Improvement Board funds. The funds shown do not obligate the City to any specific amount of matching dollars. All projects on the TIP are consistent with the Transportation Comprehensive Plan. Three project are recommended to be removed from the TIP. The Planning Commission held a hearing on May 16, 2017, and recommended approval. One person did comment that he was glad to hear about the future roundabout at College St and 22nd Ave.

The Transportation Mitigation List is also updated with the TIP. This year, Public Works is recommending removal of six projects from the list. The yearly inflation rate will increase based on the Engineering News July 1st publication.

ADVANTAGES:

1. The TIP will allow the City to comply with state regulations and apply for grants on specific projects.

DISADVANTAGES:

1. None anticipated.

2018 SIX YEAR TRANSPORTATION IMPROVEMENT PROGRAM SUMMARY

Current Process	LACEY STIP ID	PROJECT TITLE	2017 Total Project Cost
R/W	11-001	College St Corridor -- Phase 1 (College St and 22nd Ave Roundabout)	\$ 6,300,000
Planned	11-005	College Street Extension NE	\$ 3,298,000
Planned	11-010	Carpenter Rd Capacity and Safety Improvements Pacific to Shady Lane	\$ 4,340,000
Planned	11-013	Marvin Road from Britton Parkway to Columbia Drive	\$ 15,535,000
Planned	11-014	Martin Way / I-5 Interchange Improvements	\$ 42,600,000
Planned	11-015	Carpenter Road Widening from Martin Way to Britton Parkway	\$ 19,100,000
Planned	11-016	Rainier Road from Yelm Hwy to City Limits (near Beckonridge)	\$ 2,858,000
Planned	11-017	Britton Parkway and Carpenter Road Intersection Improvements	\$ 648,000
Planned	11-018	Britton Parkway -- Phase II	\$ 2,500,000
Planned	11-019	Lebanon Street Extension	\$ 500,000
Planned	11-020	Sleater-Kinney at 14th Ave Improvements	\$ 875,000
Planned	11-021	College Street Corridor Improvements	\$ 38,000,000
Planned	11-022	31st Avenue Extension Hogum Bay to Marvin Road	\$ 5,178,000
Planned	11-024	Yelm Highway Improvements from Ruddell Rd to Amtrak Bridge	\$ 5,000,000
Planned	11-025	Martin Way East Roadway Improvements	\$ 5,500,000
Planned	11-026	Lacey Hawks Prairie Business District (LHPBD) Commercial Corridors	\$ 11,000,000
Planned	14-001	Willamette Drive / Campus Glen Drive Roundabout	\$ 1,510,000
Total TIP Costs			\$ 164,742,000

Indicates Fully Funded

Projects to be Removed

Const	11-002	Hogum Bay Truck Route	\$ 8,203,000
THCO	11-011	Carpenter Road /Mullen Road Intersection Improvements	\$ 950,000
Complete	11-012	Martin Way / Hoh Street Intersection Improvements	\$ 636,000

DRAFT
2017/2018 TRANSPORTATION IMPROVEMENT MITIGATION LIST

Table 14T-15
Referred from 14.21.026,.040B(2)

	a	b	Capped or a/b	d	e = (b-d)	f = (0.90*e)	Varies by Type			
Account Number	Project	2016/2017 Project Cost	2017/2018 Project Cost	Consistent Denominator	Cost per Trip	Existing Volume	Remaining Volume	Mitigated Volume 90%	Collection	% of Total
COMPLETED PROJECTS										
102-0000-224.50-03	45th Avenue and College Street Improvements	\$ 1,206,420	\$ 1,242,612	3500	\$ 355.03	1,645	1,855	1,670	\$ 592,726	48%
102-0000-224.50-08	45th Avenue and Ruddell Road Improvements	\$ 444,737	\$	3500	\$ 127.07	1,156	2,344	2,110	\$ 268,062	60%
102-0000-224.50-24	Ruddell Road at 22nd Avenue Improvements	\$ 444,737	\$	3500	\$ 127.07	1,154	2,346	2,111	\$ 268,291	60%
102-0000-224.50-27	Yelm Highway Improvements College Street to Ruddell Road	\$ 4,103,327	\$	4000	\$ 1,025.83	1,703	2,297	2,067	\$ 2,120,702	52%
102-0000-224.50-32	Ruddell Road / 54th Avenue Improvements	\$ 433,889	\$	3500	\$ 123.97	979	2,521	2,269	\$ 281,272	65%
FIXED-COMPLETED PROJECTS										
102-0000-224.50-26	Mullen Road Extension	\$ 7,471,570	\$	4000	\$ 1,176.41	1,731	2,269	2,042	\$ 3,814,423	51%
102-0000-224.50-29	Mullen Road Capacity/Safety Improvements East of Ruddell	\$ 6,404,203	\$ 6,596,329	4000	\$ 1,211.70	1,138	2,862	2,576	\$ 4,247,706	64%
102-0000-224.50-42	6th Avenue / Sleater Kinney Improvements	\$ 4,225,310	\$ 4,352,069	3500	\$ 1,211.70	2,319	1,181	1,063	\$ 1,321,661	30%
FIXED PROJECTS										
102-0000-224.50-38	Carpenter Rd from Martin Way to Britton Parkway	\$ 18,536,280	\$ 19,092,369	4000	\$ 1,211.70	295	3,705	3,335	\$ 15,915,876	83%
102-0000-224.50-49	College Street Reconstruction -- Lacey Blvd to 37th Ave	\$ 36,501,429	\$ 37,596,471	5000	\$ 1,211.70	2,000	3,000	2,700	\$ 20,302,095	54%
102-0000-224.50-56	Citywide ITS Signal Improvements	\$ 2,289,327	\$	N/A	\$ 114.47	N/A	N/A	N/A	\$ 1,144,663	50%
102-0000-224.50-39	Marvin Road-- Britton to Columbia Drive NE	\$ 15,082,390	\$ 15,534,862	5000	\$ 1,211.70	580	4,420	3,978	\$ 12,359,536	80%
102-0000-224.50-41	Yelm Highway Improvements Ruddell Road to East City Limits	\$ 4,803,152	\$ 4,947,247	4000	\$ 1,211.70	1,277	2,723	2,451	\$ 3,031,054	61%
102-0000-224.50-46	Hogum Bay Road Improvements	\$ 8,203,000	\$ 8,449,090	3500	\$ 1,211.70	530	2,970	2,673	\$ 6,452,691	76%
102-0000-224.50-51	31st Avenue Extension Hogum Bay to Marvin Road	\$ 5,027,463	\$ 5,178,287	4000	\$ 1,211.70	580	3,420	3,078	\$ 3,984,692	77%
102-0000-224.50-33	Martin Way & I-5 Interchange Improvements	\$ 41,360,000	\$ 42,600,800	6000	\$ 1,211.70	3,515	2,485	2,237	\$ 15,879,448	37%
ACTIVE PROJECTS										
102-0000-224.50-23	Sleater-Kinney at 14th Ave Improvements	\$ 849,079	\$ 874,552	3500	\$ 249.87	1,448	2,052	1,847	\$ 461,463	53%
102-0000-224.50-25	College Street Extension NE	\$ 3,202,102	\$ 3,298,165	3500	\$ 942.33	1,017	2,483	2,235	\$ 2,105,831	64%
102-0000-224.50-28	Carpenter Road Capacity /Safety Improvements Pacific to Shady Lane	\$ 4,269,469	\$ 4,397,553	4000	\$ 1,099.39	1,521	2,479	2,231	\$ 2,452,845	56%
102-0000-224.50-40	Rainier Road from Yelm Hwy to City Limits (near Beckonridge)	\$ 2,775,155	\$ 2,858,409	4000	\$ 714.60	774	3,226	2,903	\$ 2,074,776	73%
102-0000-224.50-43	Golf Club Road Extension	\$ 560,480	\$ 577,295	3500	\$ 164.94	-	3,500	3,150	\$ 519,565	90%
102-0000-224.50-44	Martin Way / Hoh Street Intersection Improvements	\$ 747,307	\$ 769,727	3500	\$ 219.92	1,352	2,148	1,933	\$ 425,153	55%
102-0000-224.50-45	Willamette Drive / 31st Ave Intersection Improvements	\$ 934,134	\$ 962,158	3500	\$ 274.90	1,034	2,466	2,219	\$ 610,118	63%
102-0000-224.50-47	Carpenter Rd/Mullen Rd Intersection Improvements	\$ 1,087,430	\$ 1,120,053	3500	\$ 320.02	1,212	2,288	2,059	\$ 658,975	59%
102-0000-224.50-50	Marvin Road and Britton Parkway Intersection Improvements	\$ 377,060	\$ 388,372	4000	\$ 97.09	595	3,405	3,065	\$ 297,541	77%
102-0000-224.50-52	Britton Parkway and Carpenter Road Intersection Improvements	\$ 628,433	\$ 647,286	4000	\$ 161.82	412	3,588	3,229	\$ 522,554	81%
102-0000-224.50-55	Willamette Drive / Campus Glen Drive Roundabout	\$ 1,583,571	\$ 1,631,078	3500	\$ 466.02	386	3,114	2,803	\$ 1,306,074	80%

Year	ENR Construction Index	Residential Cap	Resolution
2015-2016	2.1%	\$ 1,789	Resolution 1024 Passed 7-09-2015
2016-2017	3.4%	\$ 1,850	Resolution 1041 Passed 7-14-2016
2017-2018	3.0%	\$ 1,906	Resolution XXXX Passed 7-13-2017