

RESOLUTION R-5422

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF KIRKLAND ADOPTING THE CITY OF KIRKLAND AMENDED 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM.

1 WHEREAS, under RCW 35.77.010 the City is required
2 annually to review and adopt a six-year Transportation
3 Improvement Program; and
4

5 WHEREAS, on May 19, 2020, the City Council conducted a
6 public hearing and took public comment on the proposed 2019-
7 2024 Transportation Improvement Program; and
8

9 WHEREAS, the City Council finds the proposed 2019-2024
10 Transportation Improvement Program is consistent with the
11 Transportation Element of the City of Kirkland Comprehensive
12 Plan; and
13

14 WHEREAS, with respect to the provisions of RCW
15 35.77.010(2), the City Council finds that the proposed 2019-2024
16 Transportation Improvement Program identifies non-motorized
17 projects for sidewalk and school walk route enhancements, and
18 improvements to the Cross Kirkland Corridor; including trail
19 components.
20

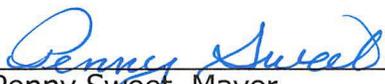
21 NOW, THEREFORE, be it resolved by the City Council of the
22 City of Kirkland as follows:
23

24 Section 1. The City of Kirkland Amended 2019-2024
25 Transportation Improvement Program is adopted as set forth in
26 Exhibits A and Exhibit B which are incorporated by reference.
27

28 Section 2. Copies of this Resolution and the 2019-2024
29 Transportation Improvement Program, as set forth in Exhibits A
30 and Exhibit B, shall be filed with the Secretary of the Washington
31 State Department of Transportation as required by RCW
32 35.77.010.
33

34 Passed by majority vote of the Kirkland City Council in open
35 meeting this 19 day of May, 2020.
36

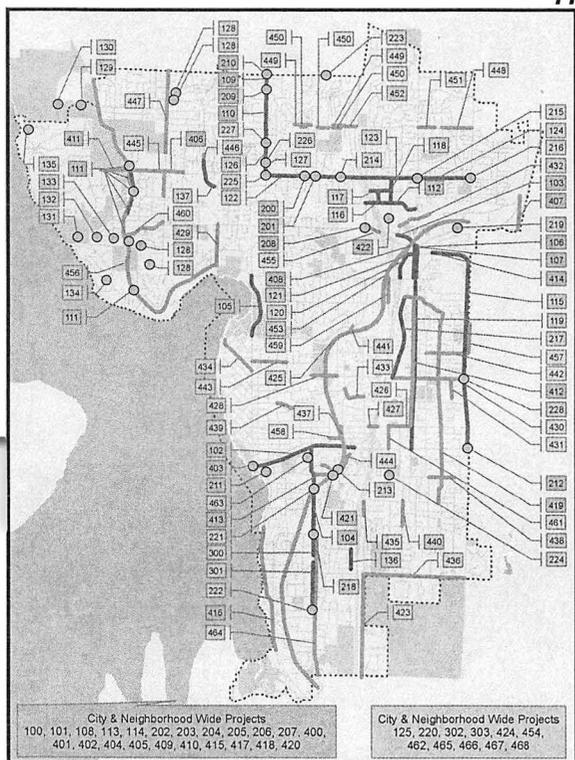
37 Signed in authentication thereof this 19 day of May, 2020.


Penny Sweet, Mayor

Attest:


Kathi Anderson, City Clerk

Transportation Improvement Program (2019-2024 Update)



- 100. Annual Street Preservation Program (STC006000)
- 101. Street Levy Street Preservation Project (STC006030)
- 102. Annual Street Preservation Program - Central Way (STC006040)
- 103. Totem Lake Blvd Roadway Repair (STC006050)
- 104. 8th Street South Street Preservation (STC006060)
- 105. 98th Avenue NE Street Preservation (STC006070)
- 106. 124th Ave NE Roadway Improvements (North Section) ROW (STC059120)
- 107. 124th Ave NE Roadway Improvements (North Section) Construction (STC059130)
- 108. Annual Striping Program (STC080000)
- 109. 100th Avenue NE Roadway Improvements (North Section) (STC083130)
- 110. 100th Avenue NE Roadway Imps (Mid-North Section) (STC083140)
- 111. Juanita Drive Auto Improvements (STC085000)
- 112. NE 128th Street Multimodal Corridor Study (STC103000)**
- 113. General Right of Way Acquisition (STC184000)**
- 114. Regional Inter-Agency Coordination (STC095000)
- 115. 132nd Avenue NE Roadway Improvements (STC095000)
- 116. 118th Avenue NE Roadway Extension (STC091000)
- 117. NE 130th Street Roadway Improvements (STC092000)
- 118. 120th Avenue NE Roadway Improvements (STC093000)
- 119. 124th Avenue NE Roadway Widening Improvements (South Section) (STC094000)
- 120. NE 120th Street Roadway Improvements (West Section) (STC072000)
- 121. 120th Avenue NE Roadway Extension (STC073000)
- 122. NE 132nd Street Roadway Improvements - Phase I (West Section) (STC077000)
- 123. NE 132nd Street Roadway Improvements - Phase II (Mid Section) (STC078000)
- 124. NE 132nd Street Roadway Improvements - Phase III (East Section) (STC079000)
- 125. Totem Lake Area Development Opportunity Program (STC081000)
- 126. 100th Avenue NE Roadway Improvements (Mid-South Section) (STC083150)
- 127. 100th Avenue NE Roadway Improvements (South Section) (STC083160)
- 128. Finn Hill Roadway Emergency Vehicle Access Connectors (STC085000)
- 129. Holmes Point Dr NE Road Embankment Stabilization Location 1 (STC094000)
- 130. Holmes Point Dr NE Road Embankment Stabilization Location 2 (STC095000)
- 131. Holmes Point Dr NE Road Embankment Stabilization Location 3 (STC096000)
- 132. Holmes Point Dr NE Road Embankment Stabilization Location 4 (STC097000)
- 133. Holmes Point Dr NE Road Embankment Stabilization Location 5 (STC098000)
- 134. Champagne Pl Road NE Embankment Stabilization (STC099000)
- 135. 62nd Ave NE Road Embankment Stabilization (STC100000)
- 136. 114th Ave NE Road Reconstruction (STC101000)
- 137. 90th Ave NE Road Surface Water Drainage Repair (STC102000)
- 200. NE 132nd St/Juanita H.S. Access Rd Intersection Improvements (TRC093000)
- 201. NE 132nd St/108th Avenue NE Intersection Improvements (TRC094000)
- 202. Annual Signal Maintenance Program (TRC016000)
- 203. Citywide Traffic Management Safety Improvements (TRC117000)
- 204. Vision Zero Safety Improvement (TRC117020)
- 205. Neighborhood Traffic Control (TRC117030)
- 206. School Zone Beacon / Signage Improvements (TRC117600)
- 207. Kirkland ITS Phase III (TRC120000)
- 208. 118th Avenue NE/NE 124th Street Intersection Improvements (TRC124000)
- 209. 100th Avenue NE/Smonds Road Intersection Improvements (TRC135000)
- 210. 100th Avenue NE/145th Street Intersection Improvements (TRC136000)
- 211. Kirkland Avenue/Lake Street Intersection Improvements (TRC137000)
- 212. NE 89th St/12nd Ave NE Dual Left Turn Lanes (TRC139000)**
- 213. Kirkland Way/CKC Bridge Abutment/Intersection Improvement (TRC076000)
- 214. NE 132nd Street/Fire Station Access Drive Intersection Improvements (TRC095000)
- 215. NE 132nd Street/124th Avenue NE Intersection Improvements (TRC096000)
- 216. NE 132nd Street/120th Avenue NE Intersection Improvements (TRC097000)
- 217. Slater Avenue NE Traffic Calming - Phase 1 (TRC114000)
- 218. NE 66th Street Intersection Improvements/Access Management (TRC117040)
- 219. Slater Avenue NE (132nd Avenue NE) NE 124th Street (TRC123000)
- 220. Kirkland ITS Implementation Phase 4 (TRC125000)
- 221. 8th Street 59th Place/CKC Transit Signal Priority (TRC128000)
- 222. NE 53rd Street Intersection Improvements (TRC129000)
- 223. NE 145th Street/Juanita-Woodville Way Intersection Improvements (TRC130000)
- 224. NE 80th Street/120th Avenue NE Intersection Improvements (TRC131000)
- 225. 100th Avenue NE/132nd Street Intersection Improvements (TRC132000)
- 226. 100th Avenue NE/Juanita-Woodville Way Intersection Improvements (TRC133000)
- 227. 100th Avenue NE/137th Street Intersection Improvements (TRC134000)
- 228. NE 100th Street/132nd Ave NE Intersection Improvements (TRC136000)
- 300. 108th Avenue NE Transit Queue Jump - Phase 1 (PTC004000)**
- 301. 108th Avenue NE Transit Queue Jumps - Phase 2 (PTC005000)**
- 302. Public Transit Speed and Reliability Improvements (PTC002000)
- 303. Public Transit Passenger Environment Improvements (PTC003000)
- 400. Street Levy - Safe School Walk Routes (NMC006100)
- 401. Street Levy - Pedestrian Safety (NMC006200)
- 402. Neighborhood Safety Program Improvements (NMC006210)
- 403. Central Way Crosswalk Upgrade (NMC012040)
- 404. Annual Sidewalk Maintenance Program (NMC057000)
- 405. Grant Funded Sidewalk Maintenance Program (NMC057010)
- 406. NE 132nd Street Sidewalk Improvement (NMC071000)
- 407. CKC To Redmond Central Connector (NMC081000)
- 408. NE 124th St/124th Ave NE Ped Bridge Design / Construction (NMC086100)
- 409. Citywide School Walk Route Enhancements (NMC087000)
- 410. North Kirkland/JFK School Walk Route Enhancements (NMC087100)
- 411. Juanita Drive Multi-Modal (On Street) Improvements (NMC090100)
- 412. 124th Avenue NE Sidewalk (NMC095000)
- 413. Kirkland Avenue Sidewalk Improvements (NMC096000)
- 414. NE 120th Street Sidewalk (NMC102000)**
- 415. City-Wide Trail Connections (Non-CKC) (NMC105000)
- 416. Lake Front Promenade Design Study (NMC106200)
- 417. Citywide Accessibility Improvements (NMC110100)
- 418. Citywide Greenways Networks (NMC113000)
- 419. Citywide Greenways Network Project-128th Avenue NE (NMC113020)
- 420. CKC Emergent Projects Opportunity Fund (NMC115000)
- 421. CKC Historic Depot Site (NMC119000)**
- 422. Totem Lake Public Improvements - Phase 2 (NMC124000)
- 423. 118th Avenue NE (South Section) Non-Motorized Facilities - Phase II (NMC010000)
- 424. Crosswalk Upgrade Program (NMC012900)
- 425. Cross Kirkland Corridor Opportunity Fund (NMC024120)
- 426. NE 80th Street Sidewalk (Phase I) (NMC026000)
- 427. NE 60th Street-405 Pedestrian/Bicycle Overpass (NMC030000)
- 428. Crestwoods Park/CKC Corridor Ped/Bike Facility (NMC031000)
- 429. 89th Avenue NE Sidewalk (NMC032000)
- 430. NE 100th Street Bike Lane (NMC036000)
- 431. 130th Avenue NE Sidewalk (NMC037000)
- 432. NE 126th Street Non-Motorized Facilities (NMC043000)
- 433. NE 56th Street Sidewalk (Highlands) (NMC045000)
- 434. 188th Avenue SW Sidewalk (NMC046000)
- 435. 116th Avenue NE Sidewalk (South Rose Hill) (NMC047000)
- 436. NE 60th Street Sidewalk (NMC048000)
- 437. 112th Avenue NE Sidewalk (NMC049000)
- 438. NE 80th Street Sidewalk (NMC050000)
- 439. 13th Avenue Sidewalk (NMC054000)
- 440. 122nd Avenue NE Sidewalk (NMC055000)
- 441. 11th Ave Non-Motorized/Emergency Access Connection (NMC056000)
- 442. NE 104th Street Sidewalk (NMC061000)
- 443. 19th Avenue Sidewalk (NMC062000)
- 444. Kirkland Way Sidewalk (NMC063000)
- 445. NE 132nd Street Sidewalk At Finn Hill Middle School (NMC072000)
- 446. 90th Avenue NE Sidewalk (NMC074000)
- 447. 84th Avenue NE Sidewalk (NMC075000)
- 448. NE 140th Street Sidewalk At Muir Elementary - Phase I (NMC076000)
- 449. NE 140th Street - Keller Elementary Walk Route Enhancement - North Side (NMC077000)
- 450. NE 140th Street - Keller Elementary Walk Route Enhancement - South Side (NMC078000)
- 451. NE 140th Street Sidewalk At Muir Elementary - Phase 2 (NMC079000)
- 452. Juanita-Kingsgate Pedestrian Bridge At I-405 (NMC080000)
- 453. Cross Kirkland Corridor (CKC) Non-Motorized Improvements (NMC086000)
- 454. Cross Kirkland Corridor (CKC) Crossings (NMC088000)
- 455. NE 124th Street Sidewalk (NMC088000)
- 456. Juanita Drive Bicycle and Pedestrian Improvements (NMC091000)
- 457. 132nd Avenue NE Sidewalk (NMC097000)
- 458. 7th Avenue Sidewalk (NMC101000)
- 459. 120th Avenue NE Sidewalk (NMC103000)
- 460. NE 122nd Place/NE 123rd Street Sidewalk (NMC104000)
- 461. 120th Avenue NE Sidewalk (NMC105000)
- 462. Citywide CKC Connections (NMC109000)
- 463. CKC To Downtown Surface Connection (NMC107000)
- 464. 108th Avenue NE Bicycle Lanes Upgrade (NMC111000)
- 465. Citywide Greenways Network (NMC113900)
- 466. On-Street Bicycle Networks Phase I (NMC117000)
- 467. On-Street Bicycle Network Candidate Projects (NMC888100)

NOT TO SCALE

Produced by the City of Kirkland (c) 2019, the City of Kirkland, all rights reserved. No warranties of any sort, including but not limited to accuracy, fitness or merchant-ability, accompany this product.

Date: 4/23/2020

Legend

- Intersection Improvements
- Project Type
- PTC, STC, TRC
- NMC
- Text** New projects Bold in list →
- City Limit Boundary
- Streets
- Lakes
- Parks

Funding Status:

- Funded
- Unfunded Transportation Improvement Plan/External Funding Candidates
- Unfunded Projects included in the Adopted 2023-2035 Transportation Element of the Capital Facilities Plan
- Potential Non-Motorized Projects Under Placeholder, Not included in Totals

City of Kirkland 2017-2022 Transportation Improvement Program (TIP)

TIP Map No.	CIP #	Project Name	Project Description	2019-2024 Project Funding Categories (\$000)					Total Cost
				Unsecured 2019-2024 Funding	Local Funding	State Funding	Federal Funding	Total Funding	
110	ST 08314	100th Avenue NE Roadway Improvements (Mid-North Section)	Roadway improvements along 100th Ave NE to address the current 5-lane to 2-lane transition to be based on the 2015 Puget Sound Regional Council (PSRC) grant funded design. This project represents one of four segments for implementing a portion of the 2016 completed design. This and other elements of the ultimate project will, at a minimum, provide for bicycle lanes, a center turn lane where appropriate, sidewalks, curb and gutter, illumination improvements and storm drainage system upgrades.		5,279			5,279	5,279
111	ST 0089	Juanita Drive Intersection and Safety Improvements	This project will complete the auto related elements identified in the Juanita Drive Corridor Study that are not currently funded, including ITS improvements. Improve safety for motor vehicles through elements including: turn lanes, channelization and improvements to increase sight distance.		6,600			6,600	6,600
112	ST 103	NE 128th Street Multimodal Corridor Study						0	0
113	ST 104	General Right of Way Acquisition							
114	ST 9999	Regional Inter-Agency Coordination	Staffing requirements for the City's coordination and participation in regional projects constructed by others such as Washington State Department of Transportation (WSDOT), Sound Transit, King County Metro, etc.		492			492	492
200	TR 0093	NE 132nd St/Juanita H.S. Access Rd Intersection Imp	Construct a 150 foot eastbound right turn lane to allow this intersection to maintain a vehicular level of service.		1,660			1,660	1,660
201	TR 0094	NE 132nd St/108th Ave NE Intersection Imp	Construct a 150 foot eastbound right turn lane to allow this intersection to maintain a vehicular level of service.		1,220			1,220	1,220
202	TR 0116	Annual Signal Maintenance Program	Signal maintenance to replace equipment at end of useful life to maintain full capabilities. Includes range of improvements from full intersections to cabinets and service connections to components in cabinets. Also includes RRFBS (pedestrian flashing beacons), school flashers, and radar speed signs.		1,100			1,100	1,650
203	TR 0117	Citywide Traffic Management Safety Improvements	This project is an opportunity fund for improvements that increase motor vehicle safety. It includes design and construction of new traffic signals that meet one or more warrants, modification of existing signals to incorporate flashing yellow arrows or other changes, modifications to driveways and other improvements that specifically address safety needs.		600			600	600
204	TR 0117 002	Vision Zero Safety Improvement	This project is an opportunity fund for improvements that come from Vision Zero work, an international road traffic safety project, which aims to achieve a transportation system with no fatalities or serious injuries in street traffic. The scope will be further defined as the City begins developing a Vision Zero program.		300			300	300
205	TR 0117 003	Neighborhood Traffic Control	This project is an opportunity fund for neighborhood traffic control elements such as traffic circles, speed humps, curb bulbs, lighting, radar speed signs and a variety of other improvements as identified in cooperation with the residents affected by the projects.		150			150	150
206	TR 11705	School Zone Beacon & Signage Improvements	This project is an opportunity fund for consistent school zone traffic control elements, including flashing beacons and improved signage in school zones around the City.		50			50	50
207	TR 0120	Kirkland Intelligent Transportation System Phase 3	A next phase of intelligent transportation (ITS) improvements. It will be defined further after completion of phases I and II and after completion of a revised ITS study.	1,026	2,074			3,100	3,100
208	TR 12400	116th Avenue NE/NE 124th Street Intersection Imps	Project improves vehicular level of service at the signalized intersection. Construct southbound right turn lane approximately 200 feet long on 116th Avenue NE at NE 124th Street. Includes sidewalk, planter strip and associated signal reconstruction. Requires approximately 1000 sq. ft. of property acquisition. Project is funded through two external funding sources.	1,500				1,500	1,500
209	TR 13500	100th Avenue NE/Simonds Road Intersection Imps	Install traffic signal and intersection improvements to minimize traffic conflict, improve safety and traffic operation. Project total based on a 2018 estimate as part of the 100th Avenue NE Roadway Design and, at a minimum, will provide all new signal poles, mast arms and heads, signal cabinet, cameras and full electronics.		1,189			1,189	1,189
210	TR 13600	100th Avenue NE/NE 124th Street Intersection Imps	Install traffic signal and intersection improvements to minimize traffic conflict, improve safety and traffic operation. Project total based on a 2018 estimate as part of the 100th Avenue NE Roadway Design and, at a minimum, will provide all new signal poles, mast arms and heads, signal cabinet, cameras and full electronics.		1,226			1,226	1,226
211	TR 13700	Kirkland Avenue/Lake Street Intersection Imps	Install traffic signal and intersection improvements to minimize traffic conflict, improve safety and traffic operation. Project total based on a 2018 estimate from the Downtown Pedestrian Access Study which proposes a pedestrian scramble phase at the signal. The Study also recommends the elimination of the east-bound right-turn lane and a reconstruction of the intersection corners to improve pedestrian safety. The traffic signal will be improved with all new signal poles, mast arms and heads, signal cabinet, cameras and full electronics.			1,553		1,553	1,553
212	TR 139	NE 85th St/132nd Ave NE Dual Left Turn Lanes							
400	NM 0006 100	Street Levy-Safe School Walk Routes	A fund to leverage State and Federal grant funding to improve school walk routes near Kirkland elementary and middle schools.		600			600	600

City of Kirkland 2017-2022 Transportation Improvement Program (TIP)

TIP Map No.	CIP #	Project Name	Project Description	2019-2024 Project Funding Categories (\$000)					Total Cost
				Unsecured 2019-2024 Funding	Project Funding				
					Local* Funding	State Funding	Federal Funding	Total Funding	
401	NM 0006 200	Street Levy-Pedestrian Safety	An opportunity fund of Levy revenue used for pedestrian safety amenities City-wide. This project provides for the construction and re-construction of crosswalks, crosswalk lighting, flashing beacons and other features to enhance the pedestrian experience consistent with the goals and objectives of the Transportation Master Plan.		900			900	900
402	NM 0006 201	Neighborhood Safety Program Improvements	The Program under City Council's Walkable Kirkland Initiative for completing a number of neighborhood projects citywide under \$50,000. Project categories include: Bicycle Facilities, Crosswalk, Intersection Improvements, Traffic Calming, Walkway/Sidewalk and Trails, and Street Lights. Program improvements are restricted to City property including streets, parks, community facilities, and the Cross Kirkland Corridor.		1,200			1,200	1,200
403	NM 0012 004	Central Way Crosswalk Upgrade	Crosswalk improvements to include a new pedestrian activated flashing beacons (RFB) and improved lighting. The Active Transportation Plan and Transportation Master Plan identified the need for improved pedestrian crossing in the City's pedestrian system.		100			100	100
404	NM 0057	Annual Sidewalk Maintenance Program	Preservation of sidewalk system. The Public Works Department is responsible for the maintenance of numerous miles of sidewalk. The annual program ensures maintenance of this infrastructure and reduces costly repairs resulting from total failure.		1,200			1,200	1,200
405	NM 005701	Grant Funded Sidewalk Maintenance Program	Preservation of Kirkland's sidewalk system. The Public Works Department is responsible for the maintenance of numerous miles of sidewalk. This one-time grant funded program ensures maintenance of this infrastructure and reduces costly repairs resulting from total failure. The project will not move forward without the securing of grant funding.			2,000		2,000	2,000
406	NM 07100	NE 132nd Street Sidewalk Improvement	Install approximately 960 feet of curb, gutter, sidewalk and planter strip along NE 132nd Street that currently does not have a sidewalk. ADA compliant wheelchair ramps will be installed at crosswalk locations. Project is a candidate project under NM 9999 100.		350	200		550	550
407	NM 0081	CKC to Redmond Central Connector	Install 1,850 linear feet of shared-use path, including, to the maximum extent feasible, an ADA compliant pedestrian route to connect the Cross Kirkland Corridor to the Redmond Central Connector. Project funding may include regional partnerships with the State, City of Redmond, King County and/or others.		239	2,500		2,739	2,739
408	NM 0086 100	NE 124th St/124th Ave NE Pedestrian Bridge Construction (Totem Lake Non-Motorized Bridge)	The planning, design and construction of a pedestrian and bicycle bridge along the Cross Kirkland Corridor (CKC) at NE 124th Street and 124th Avenue NE/Totem Lake Blvd. Design is to be consistent with the CKC Master Plan.		16,480		923	17,403	17,403
409	NM 0087	Citywide School Walk Route Enhancements	Project will create or improve sidewalks and associated pedestrian safety features on one side of all identified school walk route segments along both arterial and collector streets. Staff is currently working with the Lake Washington School District to develop an updated list of walk routes.	550	5,453			6,003	6,003
410	NM 0087 001	North Kirkland/JFK School Walk Route Enhancements	Project will create or improve sidewalks and associated pedestrian safety features on one side of all identified school walk route segments along both arterial and collector streets in the North Kirkland, Juanita, Fim Hill, and Kingsgate (JFK) neighborhoods. Project is expected to be completed using a combination of project phases and multi-schedule construction. Staff is currently working with the Lake Washington School District to develop an updated list of walk routes.	535	415			950	950
411	NM 0090 001	Juanita Drive Multi-Modal (On-Street) Improvements	Construct flashing crosswalk and improve the sidewalk on the west side of the road at the NE 124th Street intersection. Add south-bound left turn pocket, pedestrian crossing and improve walkway at the NE 132nd Street intersection.		525			525	525
412	NM 0095	124th Avenue NE Sidewalk Improvements	Provides for the design and construction of 2,960 feet of new concrete sidewalks, curb and gutter, walls and drainage improvements for providing a continuous sidewalk along the west side of 124th Ave NE. Prioritization of project is consistent with the Transportation Master Plan, staff continues to actively pursue grant opportunities.		2,125	275		2,400	2,400
413	NM 0098	Kirkland Avenue Sidewalk Improvements	Construct approximately 400 feet of new sidewalk on the south side of Kirkland Avenue to complete missing segments, providing a continuous walk in support of completing connections to the Cross Kirkland Corridor (CKC).		600			600	600
414	NM 102	NE 120th Street Sidewalk	Install new sidewalk curb and gutter, including retaining walls as may be necessary. Project is a candidate project under NMC9999100		400	400		800	800

City of Kirkland 2017-2022 Transportation Improvement Program (TIP)

TIP Map No.	CIP #	Project Name	Project Description	2019-2024 Project Funding Categories (\$000)					Total Cost
				Unsecured 2019-2024 Funding	Local* Funding	State Funding	Federal Funding	Total Funding	
415	NM 0109	Citywide Trail Connections (Non-CKC)	Provides for the construction of trails other than the Cross Kirkland Corridor (CKC). Improvements may include sidewalks, mixed use trails, bicycle facilities and as needed, minor pavement widening, walls, lighting, pavement marking and drainage improvements. Property acquisition will often be needed. Trail connections should be coordinated with plans in the Park Recreation and Open Space Plan. Prioritization of projects should be accomplished using the framework established in the Transportation Master Plan.		275			275	275
416	NM 0109 002	Lake Front Promenade Design Study	A study to examine options for creating a Lakefront promenade and includes various treatments to accommodate pedestrians, bicycles, parking and active uses along the corridor.		75			75	75
417	NM 0110 001	Citywide Accessibility Improvements	An Opportunity Fund for implementation of a wide range accessibility improvements, as developed by the Accessibility Transition Plan.		700			700	700
418	NM 0113	Citywide Greenways Networks	This project provides for the design and construction of a greenway network. Construction elements that make up a greenway vary according to location, but may include items such as marking, signing of various types, lighting, crossing treatments (which may include signing, islands, beacons, improvements to or new traffic signals), traffic calming, drainage improvements, sidewalks or other walkway improvements and minor property acquisition. Greenways should be constructed on the most current approved network map and prioritization of projects should be accomplished using the framework established in the Transportation Master Plan.		1,250			1,250	1,250
419	NM 0113 002	Citywide Greenways Network Project-128th Avenue NE	This project provides for the design and construction of a greenway network in the area of 128th Avenue NE. Construction elements that make up a greenway vary according to location, but may include items such as marking, signing of various types, lighting, crossing treatments (which may include signing, islands, beacons, improvements to or new traffic signals), traffic calming, drainage improvements, sidewalks or other walkway improvements and minor property acquisition. Greenways should be constructed on the most current approved network map and prioritization of projects should be accomplished using the framework established in the Transportation Master Plan.	250	550			800	800
420	NM 0115	CKC Emergent Projects Opportunity Fund	An Opportunity Fund for implementation of a wide range of Cross Kirkland Corridor (CKC) access improvements.		400			400	400
421	NM 1150100	CKC Historic Depot Site							
422	NM 0124	Totem Lake Public Improvements Phase 2	A number of second phase transportation and other public improvements associated with the redevelopment of The Village at Totem Lake Mall. The improvements include, but are not limited to, sidewalks on the east side of 120th Avenue NE, new planters with other street amenities at 120th Avenue NE and the new Totem Lake Plaza roadway, new dedicated right-of-way along Totem Lake Way, together with new dedicated public park area, with park amenities and art. City funding is a combination of REET and debt for the cumulative \$7,500,000 project total.		7,500			7,500	7,500
TOTALS:				3,861	97,626	11,879	6,799	120,165	120,715
	*	Local funding includes secured revenue from other local agencies and private entities (i.e., developers, etc.)							
	**	Other funding includes secured revenue from federal and state grants.							
Unfunded Projects included in the 2019-2024 Transportation Element of the Capital Facilities Plan									
118	ST 0063	120th Avenue NE Roadway Improvements (north)	Widen 120th Avenue to a 3-lane cross section between north of the Totem Lake Mall at approximately NE 128th Street and NE 132nd Street; final alignment has not yet been determined south of NE 128th Street. Project includes one travel lane in each direction and a two-way left turn lane along with landscaped median islands, curb, gutter, sidewalk and bicycle lanes. Three signalized intersections will be reconstructed. Project length is approximately 1,650 feet.	4,500					4,500
119									
120	ST 0072	NE 120th St Roadway Improvements	Install 1100 feet of new roadway along an alignment west of the completed section of NE 120th Street (between Slater Ave and 124th Ave). The new roadway will begin at the intersection of 124th Avenue NE, extend west to the Cross Kirkland Corridor, parallel the Corridor and terminate at 116th Ave NE. The project will include signal modifications at 124th Ave NE/NE 120th St, bike facilities sidewalks, and planter strips along the entire alignment. Revised to include segment from CKC to 116th Ave NE.	15,781					15,781
122	ST 0077	NE 132nd St Rdwy Imprv.-Phase I (West Section)	The addition of landscaped median islands, the repair of concrete sidewalks, and the overlay and restriping of NE 132nd Street, between 100th Ave NE and I-405 to provide 5-foot bicycle lanes and improved pedestrian access along a portion of the NE 132nd Street Corridor, as outlined within the NE 132nd Street Roadway Masterplan Study completed in 2008.	1,739					1,739

City of Kirkland 2017-2022 Transportation Improvement Program (TIP)

TIP Map No.	CIP #	Project Name	Project Description	2019-2024 Project Funding Categories (\$000)					Total Cost
				Unsecured 2019-2024 Funding	Local Funding	State Funding	Federal Funding	Total Funding	
123	ST 0078	NE 132nd St Rdwy Imprv-Phase II (Mid Section)	The addition of landscaped median islands, the repair of concrete sidewalks, and the overlay and restriping of NE 132nd Street, between I-405 and 124th Avenue NE to provide 5-foot bicycle lanes and improved pedestrian access along a portion of the NE 132nd Street Corridor, as outlined within the NE 132nd Street Roadway Masterplan Study completed in 2008.	408					408
124	ST 0079	NE 132nd St Rdwy Imprv-Phase III (East Section)	The addition of landscaped median islands, the repair of concrete sidewalks, and the overlay and restriping of NE 132nd Street, between 124th Avenue NE and 132nd Avenue NE to provide 5-foot bicycle lanes and improved pedestrian access along a portion of the NE 132nd Street Corridor, as outlined within the NE 132nd Street Roadway Masterplan Study completed in 2008.	1,444					1,444
125	ST 0081	Totem Lake Area Development Opportunity Program	Establishing a new project in anticipation of development opportunities funded through grants that may require a City matching portion.	500					500
126	ST 08315	100th Avenue NE Roadway Improvements (Mid-South Section)	Roadway improvements along 100th Ave NE to address the current 5-lane to 2-lane transition to be based on the 2015 Puget Sound Regional Council (PSRC) grant funded design. This project represents one of four segments for implementing a portion of the 2018 completed design. This and other elements of the ultimate project will, at a minimum, provide for bicycle lanes, a center turn lane where appropriate, sidewalks, curb and gutter, illumination improvements and storm drainage system upgrades.	5,930					5,930
127	ST 08316	100th Avenue NE Roadway Improvements (South Section)	Roadway improvements along 100th Ave NE to address the current 5-lane to 2-lane transition to be based on the 2015 Puget Sound Regional Council (PSRC) grant funded design. This project represents one of four segments for implementing a portion of the 2018 completed design. This and other elements of the ultimate project will, at a minimum, provide for bicycle lanes, a center turn lane where appropriate, sidewalks, curb and gutter, illumination improvements and storm drainage system upgrades.	3,619					3,619
128									
129	ST 09400	Holmes Point Dr NE Road Embankment Stabilization Location 1	Partial or full reconstruction of roadway embankment to increase slope stability. Large rodent removal or control is needed to eliminate animal burrows in the hillside.	246					246
130	ST 09500	Holmes Point Dr NE Road Embankment Stabilization Location 2	Partial to full reconstruction of roadway embankment to increase slope stability. Large rodent removal or control needed to eliminate animal burrows in the hillside.	412					412
131	ST 09600	Holmes Point Dr NE Road Embankment Stabilization Location 3	Partial to full reconstruction of roadway embankment to increase slope stability. Large rodent removal or control is needed to eliminate animal burrows in the hillside.	503					503
132	ST 09700	Holmes Point Dr NE Road Embankment Stabilization Location 4	Partial to full reconstruction of roadway embankment to increase slope stability. Large rodent removal or control is needed to eliminate animal burrows in the hillside. The tight-lining of an existing corrugated stormwater pipe is needed such that it discharges at the bottom of the slope, as opposed to the middle of the slope.	551					551
133	ST 09800	Holmes Point Dr NE Road Embankment Stabilization Location 5	Partial to full reconstruction of roadway embankment to increase slope stability. Large rodent removal is needed to control to eliminate animal burrows in the hillside.	232					232
134	ST 09900	Champagne Pt Road NE Embankment Stabilization	Partial to full reconstruction of roadway embankment to increase slope stability. Large rodent removal is or control is needed to eliminate animal burrows in the hillside. Revegetation of the slope is included.	563					563
135	ST 10000	62nd Ave NE Road Embankment Stabilization	Construction of soldier pile and lagging wall and embankment regrading to protect and preserve roadway integrity.	823					823
136	ST 10100	114th Ave NE Road Reconstruction	Excavation of existing unsuitable embankments fill and replacement with imported material. Replacing utilities along the project alignment (1,000ft). Construction of approximately 150ft of french drain to the east side of road.	1,900					1,900
137	ST 10200	90th Ave NE Road Surface Water Drainage Repair	Repair and restore shoulder support eroded areas. Remove existing stormwater controlling extruded curbs on both sides of the roadway and replace with new extruded curbs. Reinstall guardrail posts in areas where post support has eroded.	420					420
213	TR 0095	NE 132nd St/Fire Stn Access Dr Intersect'n Imp	Modify existing signal to include pedestrian actuated option, as recommended in the NE 132nd Street Master Plan, to aid in helping the corridor with capacity issues in anticipation of the Washington State Department of Transportation (WSDOT) Half-Diamond interchange at I-405 and NE 132nd Street and Totem Lake redevelopment.	480					480
214	TR 0096	NE 132nd St/124th Ave NE Intersect'n Imp	Extend existing eastbound left turn lane to 500 feet and add a second 500 foot eastbound left turn lane. Widen and restripe east leg to match west leg, widen and restripe north leg for 1,000 feet to provide 2 northbound through lanes with 1 southbound left turn lane and 1 southbound through/right turn lane. Restripe south leg to match north leg, these improvements will allow this intersection to maintain a vehicular level of service. Project is subject to anticipated funding through development activities and related revenues.	7,400					7,400

City of Kirkland 2017-2022 Transportation Improvement Program (TIP)

TIP Map No.	CIP #	Project Name	Project Description	2019-2024 Project Funding Categories (\$000)					Total Cost
				Unsecured 2019-2024 Funding	Local Funding	State Funding	Federal Funding	Total Funding	
215	TR 0097	NE 132nd SV/132nd Ave NE Intersect'n Imp	Extend the eastbound left turn and right turn lanes to 500 feet; these improvements will allow this intersection to maintain a vehicular level of service.	1,150					1,150
219	TR 0125	Kirkland ITS Implementation Phase 4	This project is a placeholder for ITS projects that are not currently funded. It will be defined further after completion of a Phase 3 Project and through the completion of a new ITS Study. It will likely include advanced control methods such as adaptive control.	2,620					2,620
220	TR 0128	6th Street S / 5th Place / CKC Transit Signal Priority	Transit signal priority at the CKC trail intersection on 6th Street including a new 3-leg signal and the removal of on-street parking with a signal controlled crossing to give transit priority in both north and southbound directions. The realignment of the 5th Place leg of the intersection will be consistent with future plans for the CKC and adjusted to closer to a 90-degree intersection with small curb radii to make it more pedestrian and neighborhood friendly.	2,600					2,600
221	TR 0129	NE 53rd Street Intersection Improvements	A new traffic signal on 108th Avenue NE at NE 53rd Street with the design and development with engineering consideration of the complicated offset alignment of NE 53rd and NE 52nd Streets, including an adjacent protected crosswalk and nearby transit stops serving Northwest University, Emerson High School, and the neighborhood.	4,345					4,345
222	TR 13000	NE 145th Street/Juanita-Woodinville Way Intersection Imps	Install traffic signal and intersection improvements to minimize traffic conflict, improve safety and traffic operation. Project total based on a 2018 estimate and, at a minimum, will replace the spanwire signal with new signal poles, mast arms and heads, signal cabinet, cameras and full electronics.	2,100					2,100
223	TR 13100	NE 80th Street/120th Avenue NE Intersection Improvements	Install traffic signal and intersection improvements to minimize traffic conflict, improve safety and traffic operation. Project total based on a 2018 estimate as part of the 100th Avenue NE Roadway Design and, at a minimum, will provide all new signal poles, mast arms and heads, signal cabinet, cameras and full electronics.	1,700					1,700
224	TR 13200	100th Avenue NE/132nd Street Intersection Improvements	Install traffic signal and intersection improvements to minimize traffic conflict, improve safety and traffic operation. Project total based on a 2018 estimate as part of the 100th Avenue NE Roadway Design and, at a minimum, will provide all new signal poles, mast arms and heads, signal cabinet, cameras and full electronics.	1,547					1,547
225	TR 13300	100th Avenue NE/Juanita-Woodinville Way Intersection Imps	Install traffic signal and intersection improvements to minimize traffic conflict, improve safety and traffic operation. Project total based on a 2018 estimate as part of the 100th Avenue NE Roadway Design and, at a minimum, will provide all new signal poles, mast arms and heads, signal cabinet, cameras and full electronics.	2,161					2,161
226	TR 13400	100th Avenue NE/137th Street Intersection Improvements	Install traffic signal and intersection improvements to minimize traffic conflict, improve safety and traffic operation. Project total based on a 2018 estimate as part of the 100th Avenue NE Roadway Design and, at a minimum, will provide all new signal poles, mast arms and heads, signal cabinet, cameras and full electronics.	1,475					1,475
227	TR 13800	NE 100th Street/132nd Ave NE Intersection Improvements	An all new full traffic signal system with signal poles, mast arms and heads, signal cabinet, cameras and full electronics for APS, video detection and ITS capability. Surface features include new curb ramps, crosswalks, and left turn lanes for all approaches.	1,743					1,743
300	PT 0002	Public Transit Speed and Reliability Improvements	Projects include elements that help reduce delay to bus traffic and that bus travel times to be more reliable. Such improvements can range from priority at signalized intersections to intersection widening to separate lanes for buses. These improvements should be located and designed in cooperation with transit providers. The locations and types of improvements will be identified in the City Transit Study (project number CPT 0001 000).	500					500
301	PT 0003	Public Transit Passenger Environment Improvements	This project designs and constructs improvements to transit stops. Improvements include items such as shelters, improved lighting and equipment that indicates when buses are scheduled to arrive. The locations and types of improvements will be identified in the City Transit Study (project number PT 0001).	500					500
302	PT 0004	108th Avenue NE Transit Queue Jump - Phase I	The widening of 108th Avenue NE to create a transit lane to bypass queues. This Phase I Project provides a northbound queue jump lane for transit in the vicinity of the NE 68th Street/108th Avenue NE intersection. The acquisition of new right-of-way is included.	4,875					4,875
303	PT 0005	108th Avenue NE Transit Queue Jump - Phase II	The widening of 108th Avenue NE to create extensive segments of transit lanes to bypass queues. This Phase 2 Project provides a northbound queue between NE 55th Street and NE 60th Street. A new traffic signal is included at NE 60th Street as is the acquisition of new right-of-way.	5,640					5,640
422	NM 0012 999	Crosswalk Upgrade program	Crosswalk improvements such as pedestrian flashing beacons (RRFB's), improved lighting, or traffic islands at uncontrolled crosswalks. Also improvements to increase pedestrian safety at signalized intersections.	4,100					4,100
423	NM 0024 201	Cross Kirkland Corridor Opportunity Fund	Fund for development and/or acquisition related costs for implementation of Cross Kirkland Corridor Master Plan	500					500

City of Kirkland 2017-2022 Transportation Improvement Program (TIP)

TIP Map No.	CIP #	Project Name	Project Description	2019-2024 Project Funding Categories (\$000)					Total Cost
				Unsecured 2019-2024 Funding	Local* Funding	State Funding	Federal Funding	Total Funding	
426	NM 0031	Crestwoods Park/CKC Corridor Ped/Bike Facility	Construct concrete pedestrian and bicycle path, stairs, and overpass between Crestwoods Park and the Highlands Neighborhood across Cross Kirkland Corridor (CKC). The Highlands Neighborhood Plan and Norkirk Area Plan include reference to a desired link to parks and the barrier presented by Cross Kirkland Corridor.	2,505					2,505
450	NM 0080	Juanita-Kingsgate Pedestrian Bridge at I-405	Originally planned by King County Department of Transportation at NE 145th Street, a bridge at this location provides a non-motorized connection across I-405 and infrastructure improvements to provide a connection between parks, schools and other destinations for people walking and biking in the northeast part of the city.	4,500					4,500
452	NM 0086-003	CKC Roadway Crossings	Crossings of CKC at various roadways that are not funded elsewhere (i.e., NM 0086 100).	3,370					3,370
454	NM 0090-100	Juanita Drive Bicycle and Pedestrian Improvements	The completion of remaining pedestrian and bicycle elements identified in the Juanita Drive Corridor Study for improved safety for bicycles and pedestrians through elements including: separated pedestrian walkway and buffered bicycle lane; installation of pedestrian flashing beacons (RRFB's) at key locations; improved lighting, signing and markings. Intersection channelization improvements are also included.	10,650					10,650
461	NM 0106	Citywide CKC Connections	Provides for the design and construction of connections to the Cross Kirkland Corridor (CKC). They may be adjacent to the corridor or at other locations where a link is missing on a route to the corridor. Improvements may include sidewalks, mixed use trails, bicycle facilities and as needed, minor pavement widening, minor property acquisition, walls, lighting, pavement marking and drainage improvements. Prioritization of projects should be accomplished using the framework established in the Transportation Master Plan.	360					360
462	NM 0107	CKC to Downtown Surface Connection	The connection would widen, resurface, and install lighting and otherwise improve existing at-grade pathways from the Cross Kirkland Corridor (CKC) to 6th Street.	2,000					2,000
463	NM 0111	108th Avenue NE Bicycle Lanes Upgrade	The improvement and completion of the bicycle facilities on 108th Avenue NE. This may include a full spectrum of bike facilities from painted bike lanes to separated facilities and associated traffic signal work. On street bike facilities should be constructed on the most current approved network map and prioritization of projects should be accomplished using the framework established in the Transportation Master Plan.	845					845
464	NM 0113 999	Citywide Greenway Network	This project provides for the design and construction of a greenway network. Construction elements that make up a greenway vary according to location, but may include items such as marking, signing of various types, lighting, crossing treatments (which may include signing, islands, beacons, improvements to or new traffic signals), traffic calming, drainage improvements, sidewalks or other walkway improvements and minor property acquisition. Greenways should be constructed on the most current approved network map and prioritization of projects should be accomplished using the framework established in the Transportation Master Plan.	4,450					4,450
465	NM 0117	On-Street Bicycle Network Phase I	Improving existing on-street bicycle facilities, to include restriping existing pavement to add width and/or buffers to bicycle facilities, as well as the reconstruction of curbs and provision of protected bicycle lanes. The individual projects will be given more specificity in revised Active Transportation Plan. Project funding is contingent on external funding to be sought.	1,120					1,120
466	NM 8888 -100	On-street Bicycle Network	Add and improve existing on-street bicycle facilities. Includes restriping existing pavement to add width and/or buffers to bicycle facilities, reconstruction of curbs and provision of protected bicycle lanes. Projects will be given more specificity in revised Active Transportation Plan, but could include projects such as NM 0001 and NM 0036.	3,280					3,280
467	NM 9999 -100	Sidewalk completion program	Complete sidewalk improvements on one side of: School Walk Routes (collectors and arterials), principal arterials and in top 2 categories of 10 minute neighborhoods. May include projects such as: NM 0026, NM 0037, NM 0045, NM 0047, NM 0048, NM 0049, NM 0061, NM 0063, NM 0071, NM 0072, NM 0075, NM 0076, NM 0077, NM 0078, NM 0079, NM 0088, NM 0097, NM 0101, NM 0102, NM 0103, NM 0104 and NM 0105.	6,097					6,097
TOTALS:				124,284	0	0	0	0	244,999
Unfunded Transportation Improvement Plan/External Funding Candidates									
115	ST 0056	132nd Avenue NE Roadway Improvements	Street Improvement	25,170					25,170
116	ST 0061	119th Avenue NE Roadway Extension	Street Improvement	5,640					5,640
117	ST 0062	NE 130th Street Roadway Improvements	Street Improvement	10,000					10,000

City of Kirkland 2017-2022 Transportation Improvement Program (TIP)

TIP Map No.	CIP #	Project Name	Project Description	2019-2024 Project Funding Categories (\$000)					Total Cost
				Unsecured 2019-2024 Funding	Project Funding				
					Local* Funding	State Funding	Federal Funding	Total Funding	
121	ST 0073	120th Avenue NE Roadway Extension	Street Improvement	16,392					16,392
119	ST 0064	124th Avenue NE Roadway Improvements	Street Improvement	30,349					30,349
128	ST 0086	Finn Hill Emergency Vehicle Access Connection	Street Improvement	900					900
213	TR 0067	Kirkland Way/CKC Bridge Abutment/Intersection Imprv	Traffic Improvement	6,917					6,917
217	TR 0114	Slater Avenue NE Traffic Calming - Phase I	Traffic Improvement	247					247
218	TR 0117 004	NE 68th St Intersection Imps/Access Management	Traffic Improvement	4,375					4,375
219	TR 0123	Slater Avenue NE (132nd Avenue NE)/NE 124th Street	Traffic Improvement	2,124					2,124
427	NM 0030	NE 90th Street/405 Pedestrian/Bicycle Overpass	Sidewalk Improvement	3,741					3,741
429	NM 0032	93rd Avenue Sidewalk	Sidewalk Improvement	1,048					1,048
432	NM 0043	NE 126th St Nonmotorized Facilities	Sidewalk Improvement	4,277					4,277
434	NM 0046	18th Avenue SW Sidewalk	Sidewalk Improvement	2,255					2,255
436	NM 0050	NE 80th Street Sidewalk	Sidewalk Improvement	860					860
439	NM 0054	13th Avenue Sidewalk	Sidewalk Improvement	447					447
440	NM 0055	122nd Ave NE Sidewalk	Sidewalk Improvement	867					867
441	NM 0058	111th Ave Non-Motorized/Emerg. Access Connection	Pathway	2,000					2,000
443	NM 0062	19th Avenue Sidewalk	Sidewalk Improvement	814					814
446	NM 0074	90th Ave NE Sidewalk	Sidewalk Improvement	353					353
453	NM 0086	Cross Kirkland Corridor Non-motorized Improvements	Corridor Non-motorized Improvements	65,742					65,742
				TOTALS:	184,516				184,516
Potential Non-Motorized Projects Under Placeholders: Not Included in Totals									
NM 8888 100 On-Street Bicycle Network Candidate Projects:									
421	NM 0001	116th Ave NE (So. Sect.) Non-Motorz'd Facil-Phase II	Bicycle Improvement	3,378					3,378
428	NM 0036	NE 100th Street Bike Lane	Bicycle Improvement	1,644					1,644
NM 9999 100 Sidewalk Completion Program Candidate Projects:									
424	NM 0026	NE 90th Street Sidewalk (Phase II)	Sidewalk Improvement	706					706
429	NM 0037	130th Avenue NE Sidewalk	Sidewalk Improvement	834					834
431	NM 0045	NE 95th Street Sidewalk (Highlands)	Sidewalk Improvement	572					572
433	NM 0047	116th Avenue NE Sidewalk (South Rose Hill)	Sidewalk Improvement	840					840
434	NM 0048	NE 60th Street Sidewalk	Sidewalk Improvement	500					500
435	NM 0049	112th Ave NE Sidewalk	Sidewalk Improvement	528					528
440	NM 0061	NE 104th Street Sidewalk	Sidewalk Improvement	1,085					1,085
442	NM 0063	Kirkland Way Sidewalk	Sidewalk Improvement	414					414
443	NM 0072	NE 132nd Street Sidewalk at Finn Hill Middle School	Sidewalk Improvement	840					840
445	NM 0075	84th Ave NE Sidewalk	Sidewalk Improvement	4,053					4,053
446	NM 0076	NE 140th St Sidewalk - Muir Elem Walk Rt Enhan. Phase 1	Sidewalk Improvement	1,131					1,131
447	NM 0077	NE 140th St Sidewalk - Keller Elem Walk Rt Enhan. - N	Sidewalk Improvement	1,185					1,185
448	NM 0078	NE 140th St Sidewalk - Keller Elem Walk Rt Enhan. - S	Sidewalk Improvement	747					747
449	NM 0079	NE 140th St Sidewalk - Muir Elem Walk Rt Enhan. Phase 2	Sidewalk Improvement	648					648
453	NM 0088	NE 124th Street Sidewalk	Sidewalk Improvement	376					376
455	NM 0097	132nd NE Sidewalk	Sidewalk Improvement	732					732

City of Kirkland 2017-2022 Transportation Improvement Program (TIP)

TIP Map No.	CIP #	Project Name	Project Description	2019-2024 Project Funding Categories (\$000)					Total Cost
				Unsecured 2019-2024 Funding	Project Funding				
					Local* Funding	State Funding	Federal Funding	Total Funding	
456	NM 0101	7th Avenue Sidewalk	Sidewalk Improvement	208					208
457	NM 0102	NE 120th Street Sidewalk	Sidewalk Improvement	548					548
458	NM 0103	120th Avenue NE Sidewalk	Sidewalk Improvement	556					556
459	NM 0104	NE 122nd Place/NE 123rd Street Sidewalk	Sidewalk Improvement	1,294					1,294
460	NM 0105	120th Avenue NE Sidewalk	Sidewalk Improvement	812					812
TOTALS:				23,631					23,631