

Walkable Kirkland

City Council, April 4, 2017

Neighborhood
Safety Program

School Walk
Routes

Crosswalk
Initiative

Cross Kirkland
Corridor

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Neighborhood Safety Program

- **Program Goals:**

- Re-energize neighborhoods.
- Provide an incentive for neighborhood participation.
- Address safety needs.
- Foster neighborhood self-help and build a sense of community.
- Increase collaboration within and between neighborhoods.
- City Hall Leverage funding with match contributions and/or other agency grants.
- Collaborate with businesses, schools, PTSAs, Kirkland Greenways, and other organizations.
- Create an equitable distribution of improvements throughout the City.

Goals >

Funding >

Schedule >

Flow Chart >

Projects

Neighborhood Safety Program

- **Funding Sources:**

- Street Levy: \$150,000/year
- Walkable Kirkland: \$200,000/year until 2020
- Private Development Fees and Projects—as assigned
- State and Federal grants – as assigned

Goals

Funding

Schedule

Flow Chart

Projects

Neighborhood Safety Program

- **Schedule:**



Goals

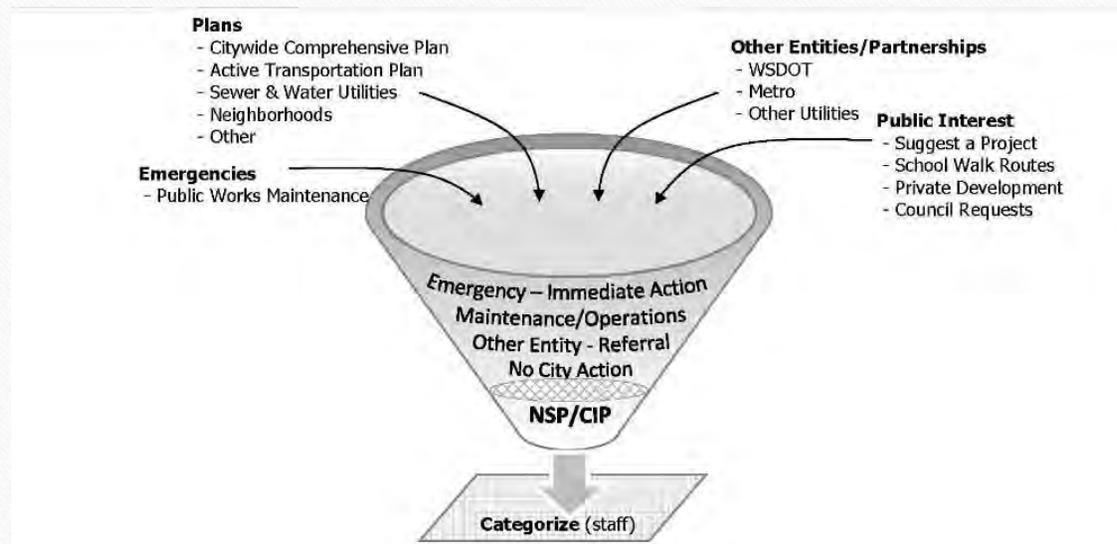
Funding

Schedule

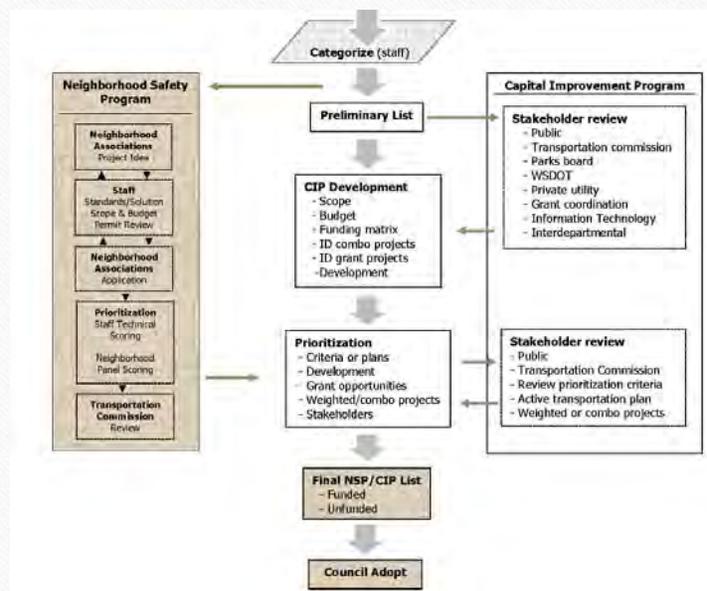
Flow Chart

Projects

Neighborhood Safety Program



Neighborhood Safety Program



Goals

Funding

Schedule

Flow Chart

Projects

2017 Neighborhood Safety Program Projects

2 Rapid Flashing Beacons

5 Radar Speed sign locations (9 total signs)

2017 Neighborhood Safety Program Project Recommendations				General Cost Estimate	
Points	NSP #	Project Name		Low (K)	High (K)
Top Priorities					
149	17NSP01	Radar Speed Signs on NE 143rd Street and 132nd and 128th Avenue NE		\$35	\$50
136	17NSP02	Rapid Flashing Beacon on NE 120th Place south of NE 122nd Street		\$35	\$50
133	17NSP03	Crosswalk Improvement at NE 138th Street and 84th Avenue NE		\$15	\$34
130	17NSP04	Rapid Flashing Beacon on 116th Avenue NE at 12500 block		\$35	\$50
130	17NSP05	Radar Speed Signs on NE 68th Street at 11200 and 6700 block with reflective curb (Scope could be reduced).		\$35	\$50
123	17NSP06	Intersection Improvements on Kirkland Way and Railroad Avenue		\$50	\$50
120	17NSP07	Intersection Improvements on 124th Avenue NE and NE 80th Street		\$50	\$50
Total Cost Estimates				\$255	\$334
Moderate Priorities					
117	17NSP08	Radar Speed Signs on NE 95th Street near 127th Avenue NE		\$35	\$50
107	17NSP09	Radar Speed Sign on 90th Avenue/NE 131st Way west of 94th Avenue NE		\$15	\$34
103	17NSP10	Walkway on 7th Avenue at 5th Street		\$35	\$50
102	17NSP11	Walkway on 5th Street S and 7th Avenue		\$1	\$14
86	17NSP12	Radar Speed Signs on Waverly Way and TBD		\$35	\$50
Total Cost Estimates				\$376	\$532
Lower Priorities					
80	17NSP13	Street Lighting on 3rd Ave to 5th Place South		\$1	\$14
73	17NSP14	Trail/Bridge Improvements on 111th Avenue NE at NE 95th Street		\$15	\$34
48	17NSP15	Walkway Improvement on NE 98th Street at 111th Avenue NE		\$1	\$14
Grand Total Cost Estimates				\$393	\$594

2017 Neighborhood Safety Program Projects

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2017 Neighborhood Safety Program Application Priorities

Goals

Funding

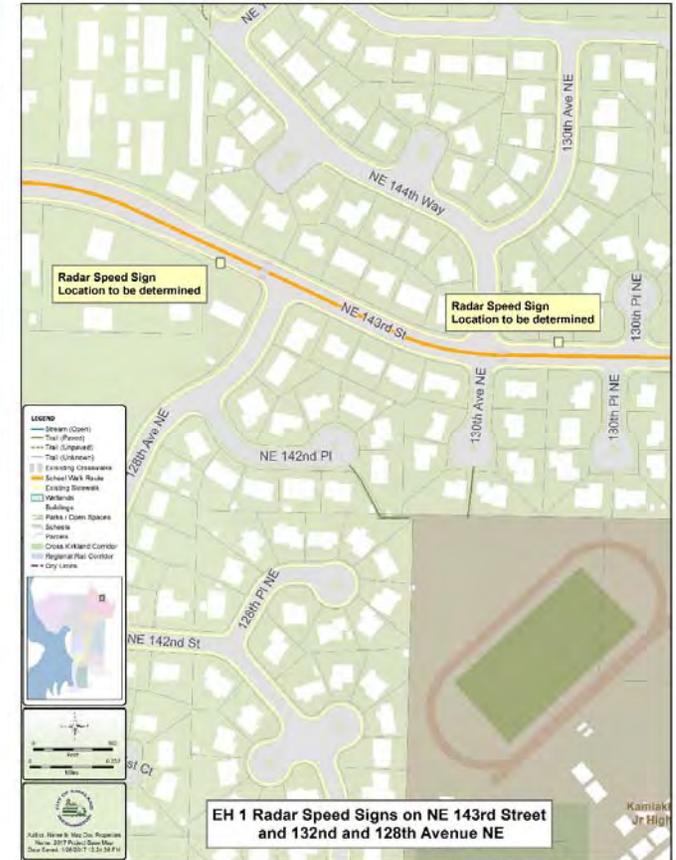
Schedule

Flow Chart

Projects

17 NSP 01 Radar Speed Signs on NE 143rd Street and 132nd and 128th Avenue NE

Cost Estimate: \$35-50K



Goals

Funding

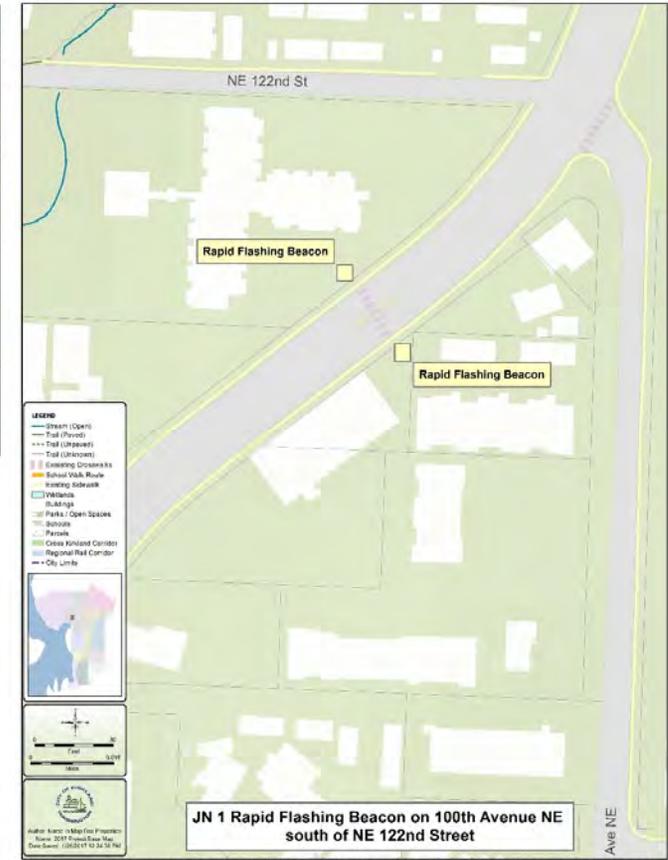
Schedule

Flow Chart

Projects

17 NSP 02 Rapid Flashing Beacon on NE 120th Place south of NE 122nd Street

Cost Estimate: \$35-50K



JN 1 Rapid Flashing Beacon on 100th Avenue NE south of NE 122nd Street

Goals

Funding

Schedule

Flow Chart

Projects

17 NSP 03 Crosswalk Improvement at NE 138th Street and 84th Ave NE

Cost Estimate: \$15-34K



Goals

Funding

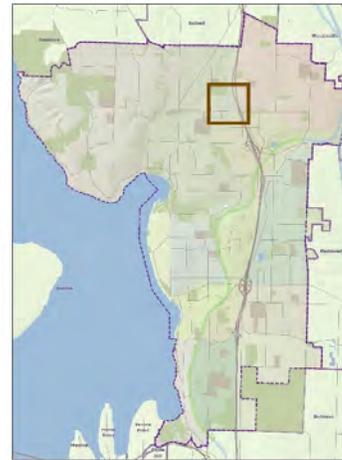
Schedule

Flow Chart

Projects

17 NSP 04 Rapid Flashing Beacon
on 116th Avenue NE at 12500 block

Cost Estimate: \$35-50K



Goals

Funding

Schedule

Flow Chart

Projects

17 NSP 05 Radar Speed Signs on NE 68th Street at 11200 and 6700 block with reflective curb (Scope could be reduced).

Cost Estimate: \$35-50K



Goals

Funding

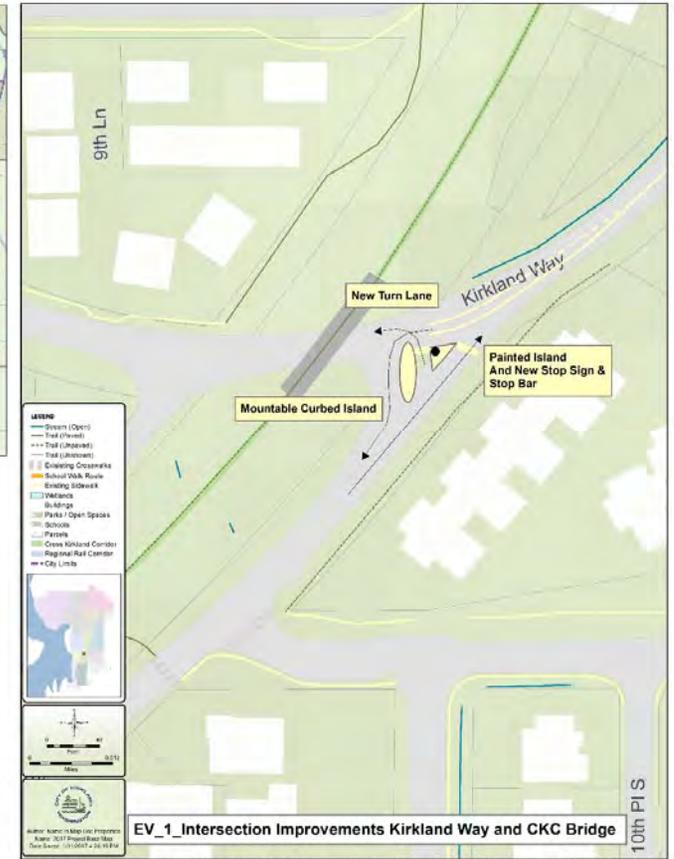
Schedule

Flow Chart

Projects

17 NSP 06 Intersection Improvements on Kirkland Way and Railroad Avenue

Cost Estimate: \$50K



Goals

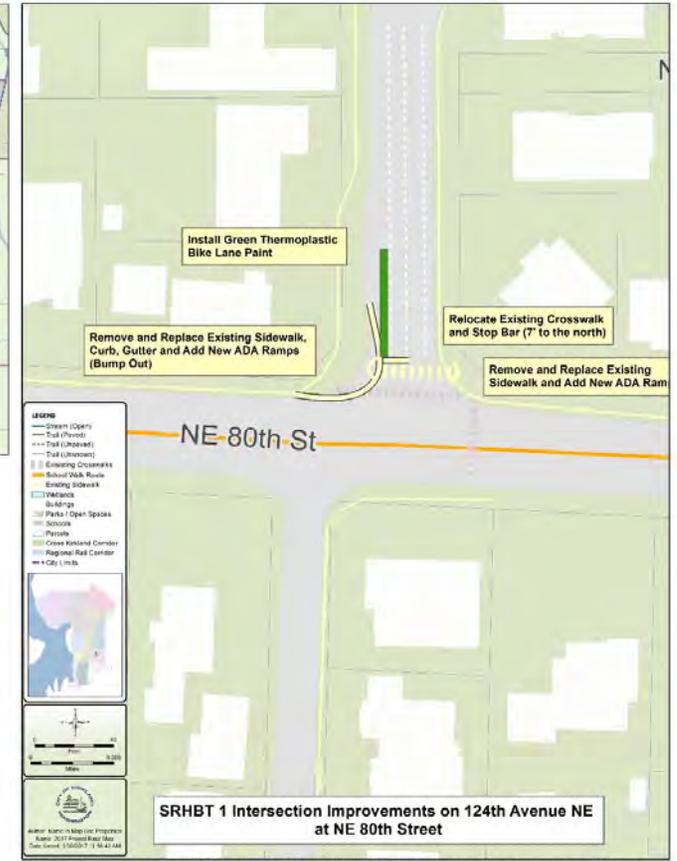
Funding

Schedule

Flow Chart

Projects

17 NSP 07 Intersection Improvements on 124th Avenue NE and NE 80th Street
Cost Estimate: \$50K



SRHBT 1 Intersection Improvements on 124th Avenue NE at NE 80th Street

Goals

Funding

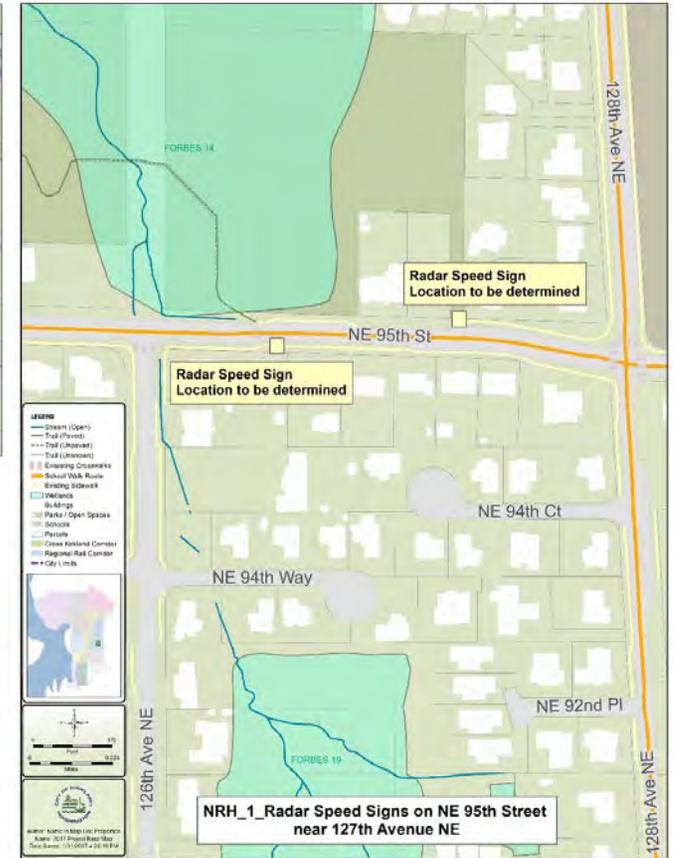
Schedule

Flow Chart

Projects

17 NSP 08 Radar Speed Signs on NE 95th Street near 127th Avenue NE

Cost Estimate: \$35-50K



Goals

Funding

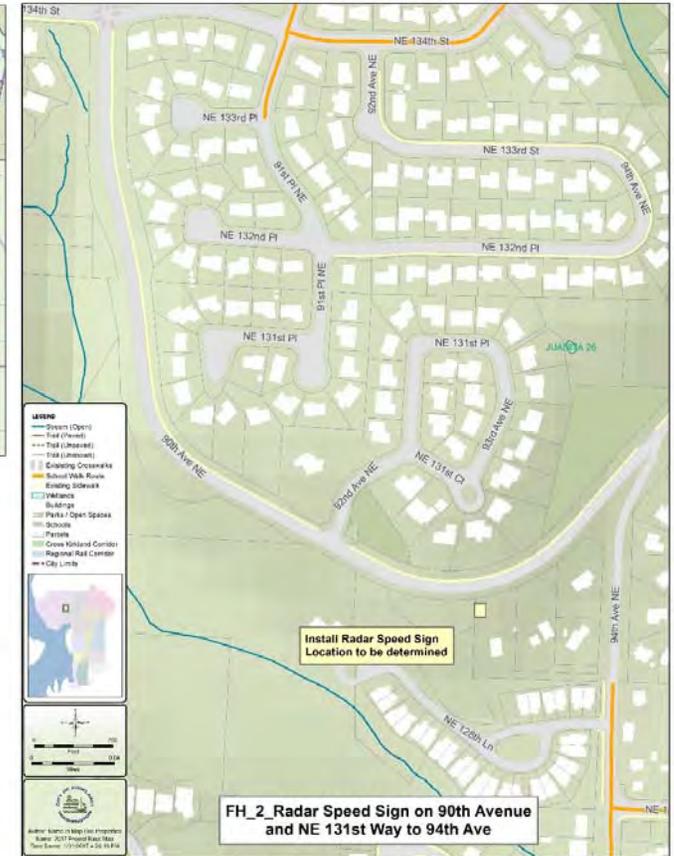
Schedule

Flow Chart

Projects

17 NSP 09 Radar Speed Sign
on 90th Avenue/NE 131st Way
west of 94th Avenue NE

Cost Estimate: \$15-34K



Goals

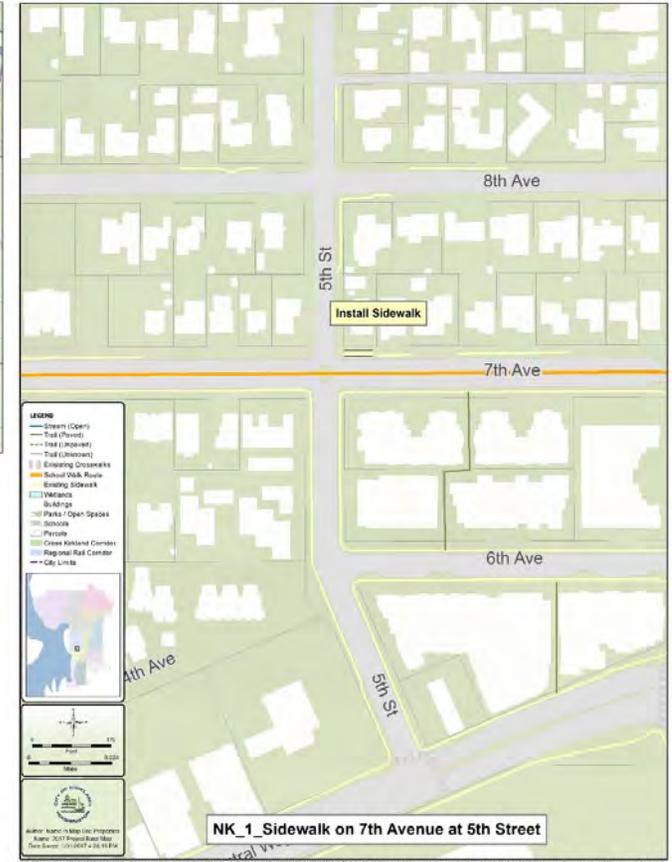
Funding

Schedule

Flow Chart

Projects

17 NSP 10 Walkway
on 7th Avenue at 5th Street
Cost Estimate: \$35-50K



Goals

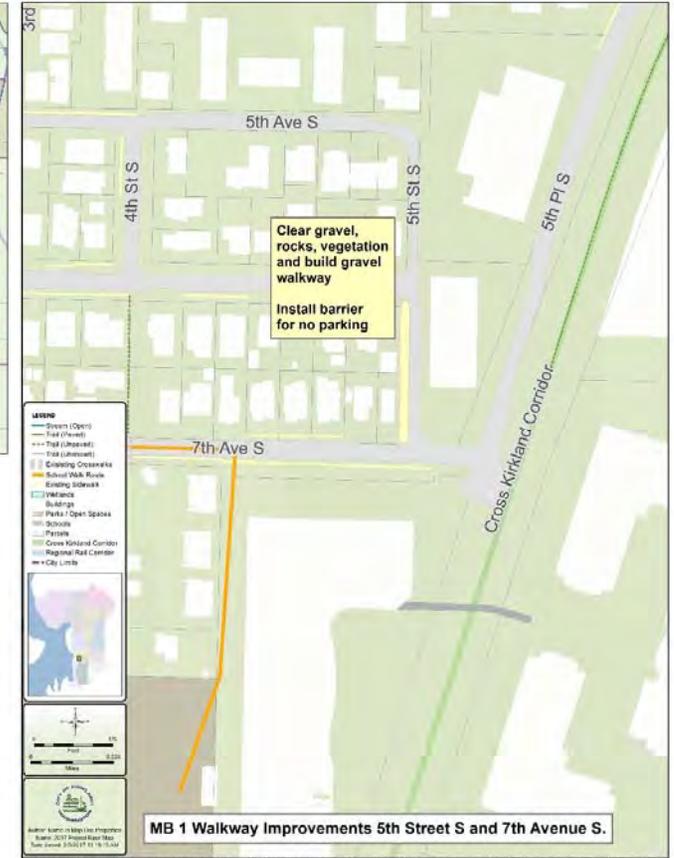
Funding

Schedule

Flow Chart

Projects

17 NSP 11 Walkway on 5th Street S and 7th Avenue Cost Estimate: \$1-14K



Goals

Funding

Schedule

Flow Chart

Projects

17 NSP 12 Radar Speed Signs
on Waverly Way and to be
determined

Cost Estimate: \$35-50K



Goals

Funding

Schedule

Flow Chart

Projects

17 NSP 13 Street Lighting on 3rd Ave to 5th Place South

Cost Estimate: \$1-14K



Goals

Funding

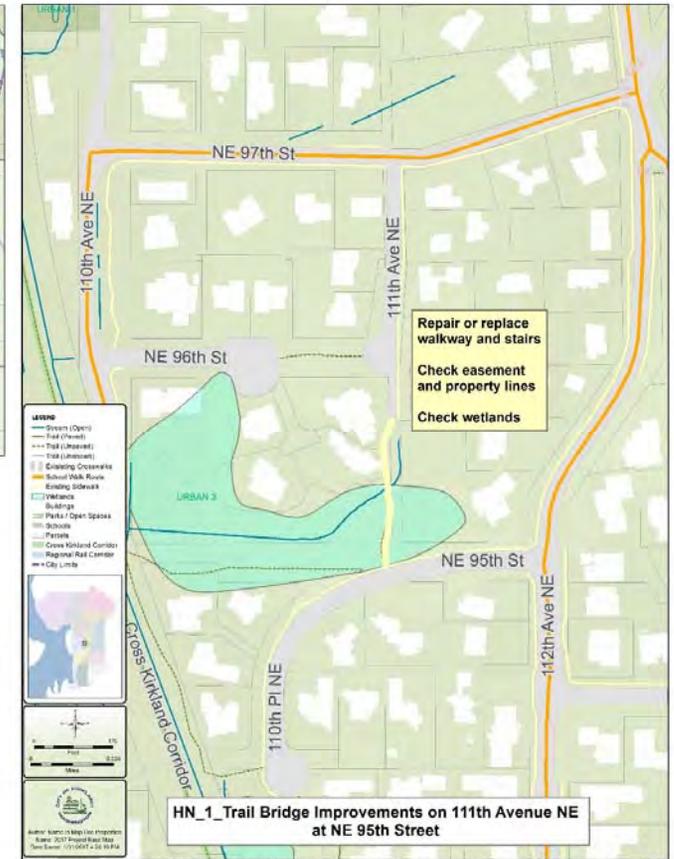
Schedule

Flow Chart

Projects

17 NSP 14 Trail/Bridge Improvements on 111th Avenue NE at NE 95th Street

Cost Estimate: \$15-34K



Goals

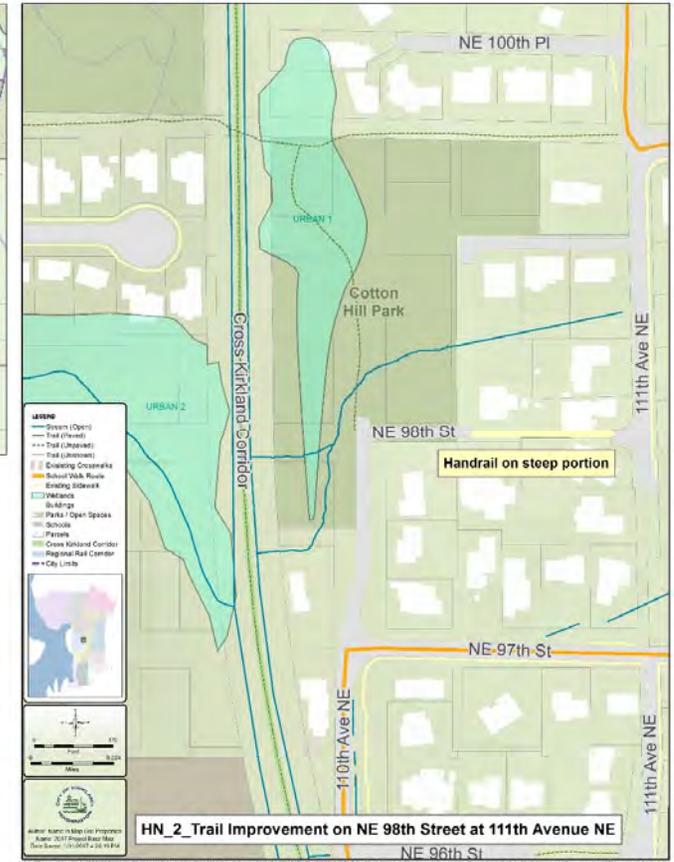
Funding

Schedule

Flow Chart

Projects

17 NSP 15 Walkway Improvement
 on NE 98th Street at 111th Ave NE
Cost Estimate: \$1-14K



Goals

Funding

Schedule

Flow Chart

Projects

2017 Neighborhood Safety Program Projects

Questions?

Council decision – follow staff and panel recommendation to do projects in order of priority – as efficiently as possible

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Grand Total Cost Estimates				\$393	\$594

Goals >

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Flow Chart >

Projects

Neighborhood Safety Program

Report Card

Walkable Kirkland

City Council, April 4, 2017

Neighborhood
Safety Program

School Walk
Routes

Crosswalk
Initiative

Cross Kirkland
Corridor

School Walk Routes

- **Program Goals:**

- **Transportation Master Plan:** Develop a method of prioritizing sidewalk projects within the Capital Improvement Program. Locations should be prioritized using the established criteria.
- **Transportation Master Plan:** Paved paths that are separated from auto traffic with a planter strip are considered complete. Areas without sidewalk or where walkers are separated from auto traffic by an extruded curb are not considered complete.
- **Active Transportation Plan:** Complete sidewalk on one side of all school walk route segments of all arterials and collector streets by 2019. (This goal was based on doing the existing school walk route needs as defined within the City limits at the time of the adoption of the Active Transportation Plan in 2009.)

Goals

Funding

Schedule

Flow Chart

Projects

School Walk Routes

- **Funding:**

- Citywide School Walk Route Enhancements (\$4,183,200 total within 2017 to 2022 CIP, including \$1,000,000 prior year (2016))
- Juanita/Finn Hill/Kingsgate (JFK) School Walk Route Enhancements (\$1,000,000 for 2019 and 2020 within the 2017-2022 CIP)
- Private Development Fees and Projects—as assigned

Goals >

Funding >

Schedule >

Flow Chart >

Projects

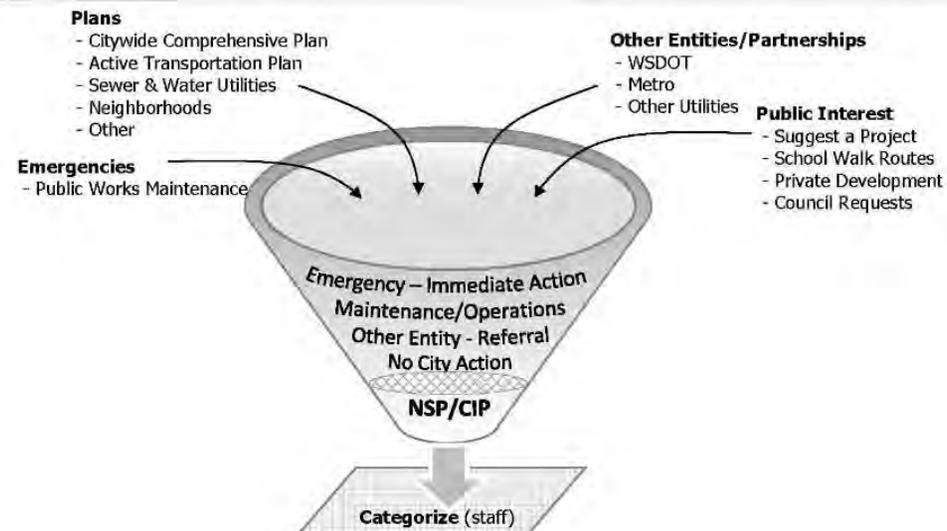
School Walk Routes

- **Schedule:**

- Complete the 2001 school walk route gaps by 2019.
- Apply for grants for high priority school walk routes to leverage funding in 2017.

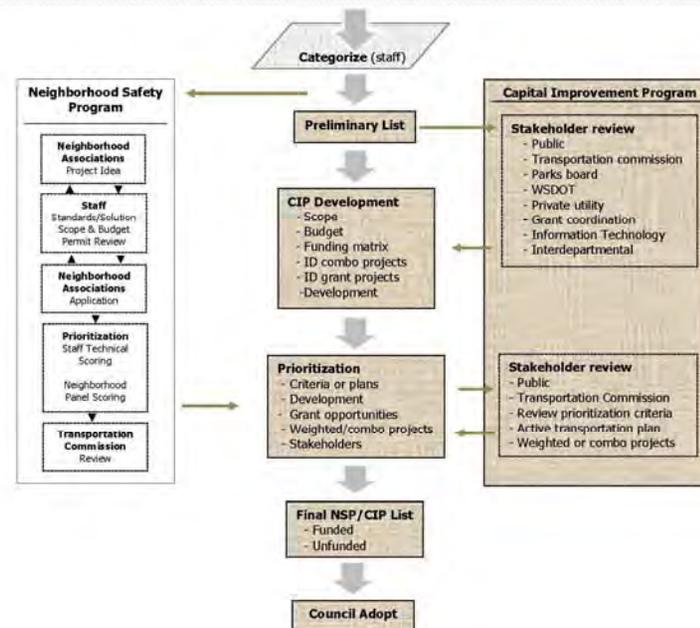
School Walk Routes

- Flow Chart



School Walk Routes

- Flow Chart



Goals

Funding

Schedule

Flow Chart

Projects

School Walk Routes

Commitment to complete by 2019

Priority Score	Project Number	Description	School	Linear Feet	Estimated Cost
58	MT2	South side of NE 104th Street (132nd Avenue NE to 126th Avenue NE - intermittent)	Mark Twain	1700	\$1,020,000
52	MT1	West side of 126th Avenue NE (NE 85th Street to NE 90th Way) - intermittent) – Phase 1	Mark Twain	800	\$480,000
52	MT1A	West side of 126th Avenue NE (NE 90th Street to NE 94th Way) - intermittent) – Phase 2	Mark Twain	600	\$360,000
48	AGB1	East side of 108th Avenue NE (NE 112th Street to NE 116th Street)	AG Bell	1200	\$720,000
47	JN1	East side of 94th Avenue NE (NE 124th Street to NE 128th Street - intermittent)	Juanita	620	\$372,000
39	PK1	South side of NE 95th Street (116th Avenue NE to 112th Avenue NE)	Peter Kirk	1300	\$780,000
31	PK2	East side of 111th Avenue NE (NE 100th Street to existing sidewalk south of NE 104th Street)	Peter Kirk	1000	\$600,000
		Total		7220	\$4,332,000

Goals

Funding

Schedule

Flow Chart

Projects

School Walk Routes

Does not count neighborhood requested projects not on arterials/collectors.

Total not including extruded curb.

Priority Score	Project Number	Description of sidewalk	School	Linear Feet	Estimated Cost
60	MT4	NE 90th Street (124th Avenue NE to 126th Ln NE)	Mark Twain	400	\$240,000
60	MT4A	NE 90th Street (126th Avenue NE to 128th Ln NE)	Mark Twain	600	\$360,000
52	CS2	NE 132nd Street (87th Avenue NE to 86th Pl NE)	Carl Sandberg	200	\$120,000
50	RH1	126th Ave NE (NE 73rd Street to NE 80th Street)	Rose Hill	850	\$510,000
49	MT3	132nd Avenue NE (NE 95 Street to NE 100th Street)	Mark Twain	280	\$168,000
49	MT5	132nd Avenue NE (NE 104th Street to NE 110th Place - intermittent)	Mark Twain	840	\$504,000
48	CS1	NE 122nd Place (some existing extruded curb - NE Juanita Drive to NE 124th Street)	Carl Sandberg	725	\$435,000
		Total		3895	\$2,337,000

Priority Score	Project Number	Description of extruded curb	School	Linear Feet	Estimated Cost
Not scored	Existing extruded curb	84th Avenue NE (existing extruded curb – intermittent from City limits to NE 122 nd Place)	Carl Sandberg		Not estimated
Not scored	Existing extruded curb	87th Avenue NE (NE 132nd Street to NE 134th Street)	Carl Sandberg		Not estimated
Not scored	Existing extruded curb	112th Avenue NE (NE 87th Street to NE 88th Street)	Peter Kirk	530	\$318,000

Goals

Funding

Schedule

Flow Chart

Projects

MT1 – 52 Points

126th Avenue NE from NE 85th Street to NE 90th Street

Cost Estimate: \$480K

(2017 Construction)



Goals

Funding

Schedule

Flow Chart

Projects

MT2 – 58 Points

NE 104th Street from 132nd Avenue NE to 126th Avenue NE

Cost Estimate: \$1,020K

(2017 Design)



Goals

Funding

Schedule

Flow Chart

Projects

MT1A – 52 Points

126th Avenue NE from NE 90th Street to NE 94th Way

Cost Estimate: \$360K

(2017 Design)



Goals

Funding

Schedule

Flow Chart

Projects

AGB1 – 48 Points

108th Avenue NE from NE 112th Street to NE 116th Street

Cost Estimate: \$720K

(2017 Design)



Goals

Funding

Schedule

Flow Chart

Projects

JN1 – 47 Points

94th Avenue NE from NE 124th Street to NE 128th Street

Cost Estimate: \$372K

Developer constructed 200 LF
(savings of \$58,500)

(2017 Design)



Goals

Funding

Schedule

Flow Chart

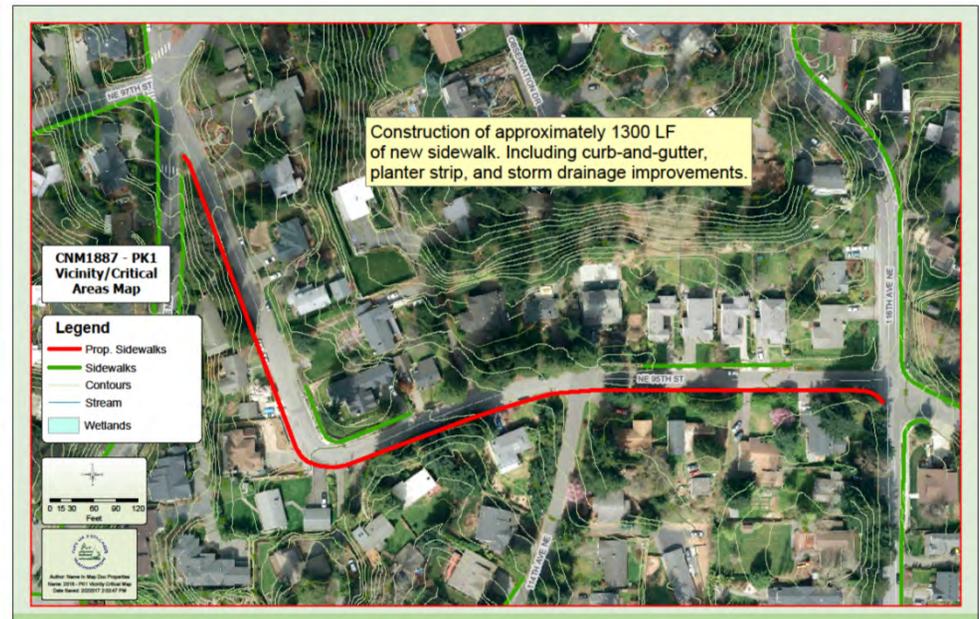
Projects

PK1 – 39 Points

NE 95th Street from 116th Avenue NE to 112th Avenue NE

Cost Estimate: \$780K

(2017 Design)



Goals

Funding

Schedule

Flow Chart

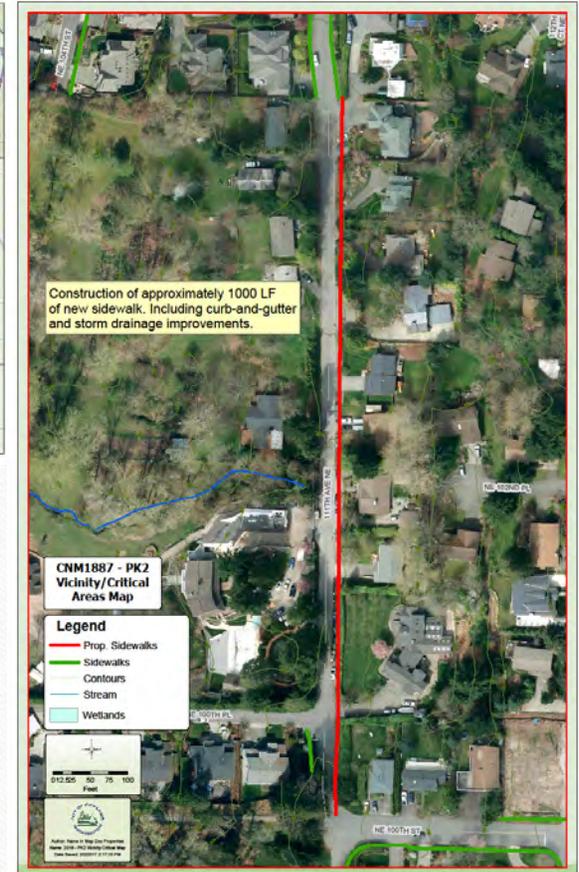
Projects

PK2 – 31 Points

111th Avenue NE from NE 100th Street to existing sidewalk south of NE 104th Street

Cost Estimate: \$600K

(2017 Design)



Goals >

Funding >

Schedule >

Flow Chart >

Projects

School Walk Routes

Report Card

Walkable Kirkland

City Council, April 4, 2017

Neighborhood
Safety Program

School Walk
Routes

Crosswalk
Initiative

Cross Kirkland
Corridor

Crosswalk Initiative

- **Program Goals:**

- **2012 Street Levy:** Install 50 rapid flashing beacons at priority crosswalks.
- **Transportation Master Plan:** Develop a method of prioritizing crosswalk improvements within the Capital Improvement Program. Locations should be prioritized similar to those used for sidewalk projects.
- **Crosswalk Treatments:**
 - Adequate Lighting
 - Pedestrian flags—*requires pedestrian activation*
 - Shorten crossing distance (median islands/bulb-outs)
 - Rapid Flashing Beacons – *requires pedestrian activation*
 - Overhead warning signs

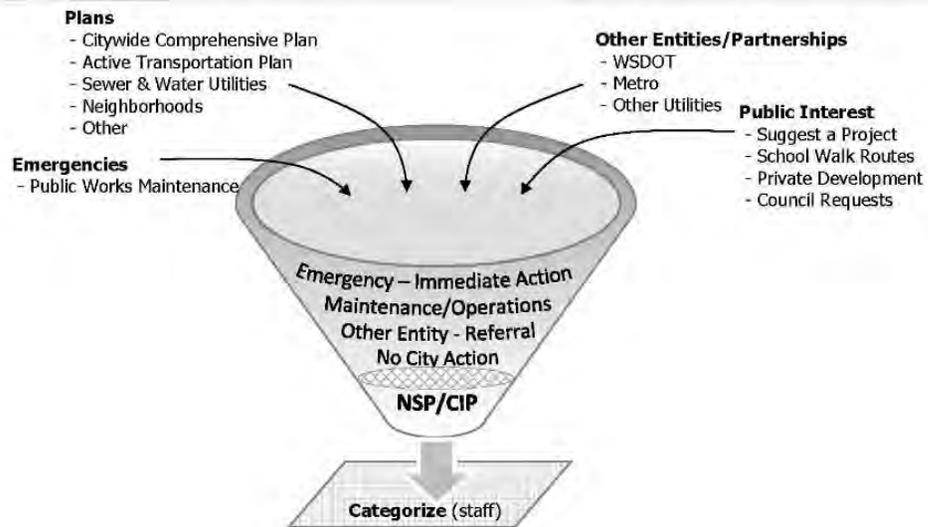
Crosswalk Initiative

- **Funding/Schedule:**

- Street Levy Crosswalk Initiative (2013 & 2014) \$600,000
- 116th Crosswalk Upgrade: \$430,000 in 2017
- Central Way Crosswalk Upgrade: \$100,000 in 2019
- 132nd Avenue NE Crosswalk Upgrade: \$250,000 in 2018
- Lake Front Pedestrian and Bicycle Improvement: \$1,011,000 in 2017
- Juanita Drive First Wins: \$1,412,600 in 2015
- Juanita Drive Multi-Modal (on street) improvements: \$525,000 in 2020
- Neighborhood Safety Program – as prioritized
- Private Development Fees and Projects - as assigned

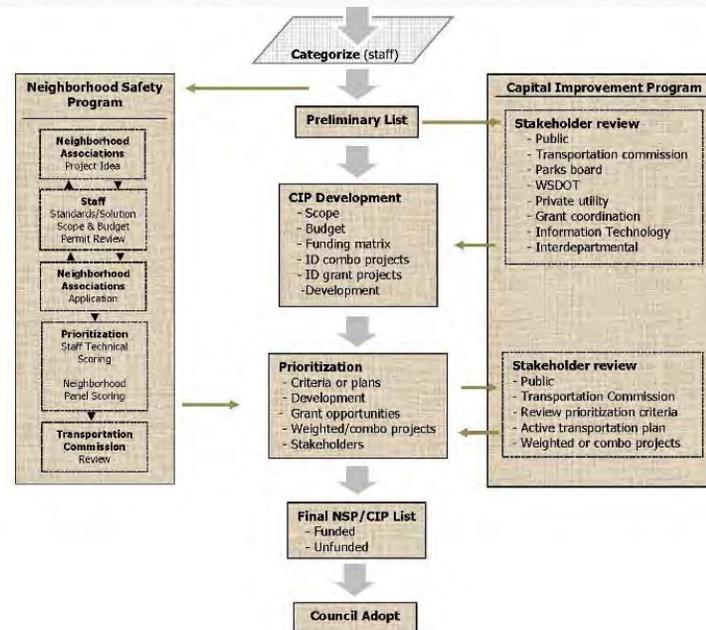
Crosswalk Initiative

- Flow Chart:



Crosswalk Initiative

- Flow Chart:



Crosswalk Initiative

- Projects:

Roadway Type (Number of Travel Lanes and Median Type)	Vehicle ADT < 9,000			Vehicle ADT > 9,000 to 12,000			Vehicle ADT > 12,000 to 15,000			Vehicle ADT > 15,000		
	Speed Limit											
	≤ 30 mi/h	35 mi/h	40 mi/h	≤ 30 mi/h	35 mi/h	40 mi/h	≤ 30 mi/h	35 mi/h	40 mi/h	≤ 30 mi/h	35 mi/h	40 mi/h
2 Lanes	C	C	P	C	C	P	C	C	N	C	P	N
3 Lanes	C	C	P	C	P	P	P	P	N	P	N	N
Multi-Lane (4 or More Lanes) With Raised Median ***	C	C	P	C	P	N	P	P	N	N	N	N
Multi-Lane (4 or More Lanes) Without Raised Median	C	P	N	P	P	N	N	N	N	N	N	N

C	Candidate sites for market crosswalks (lowest priority).
P	Possible increase in pedestrian crash risk may occur if crosswalks are added without other pedestrian facility enhancements. (Moderate priority).
N	Marked crosswalks alone are not recommended, since pedestrian crash risk may be increased with marked crosswalks. Consider using other treatments, such as traffic signals with pedestrian signals to improve crossing safety for pedestrians. (Highest Priority).

Crosswalk Initiative

Projects:

- **Red:** First Priority
(Existing in-pavement flashers)
- **Yellow:** Second Priority
- **Blue:** Third Priority
- **Black:** Existing Rapid Flashing Beacons



Goals

Funding

Flow Chart

Projects

Crosswalk Initiative

Report Card



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Goals

Funding

Projects

Cross Kirkland Corridor

- **Program Goals:**
 - **Cross Kirkland Corridor Master Plan:**
 - Link the corridor to the community; trails, schools, parks, businesses.

Goals

Funding

Projects

Cross Kirkland Corridor

- **Funding:**

- CKC Emergent Opportunity Fund (\$100,000 in 2017 & 2018)
- Neighborhood Safety Program—as prioritized
- Private Development Fees and Projects—as assigned

Goals

Funding

Projects

Cross Kirkland Corridor

- Projects:

Trailhead location	Funded by	Volunteer
Bridge connecting Houghton Shopping Center	Capital Improvement Program	Wetland mitigation only
Stairs at NE 64 th Street	CKC Emergent Opportunity Fund	Yes
Stairs at NE 55 th Street	CKC Emergent Opportunity Fund and Donations	Yes
Stairs at NE 65 th Street	Development Project	None
Walkway from 6 th Street	Google/SRM	None
Walkway to Lakeview Elementary School	Google/SRM	None
Walkway at 7 th Street	Google/SRM	None
Stairs and trail at 116 th Avenue NE	NSP	Yes
Improved connection at NE 60 th Street	NSP	Yes
Stairs at 10 th Street and 2 nd Avenue	NSP	None
Walkway at 8 th Street South and Railroad Avenue	NSP	None
Stairs and walkway at 111 th Avenue NE	NSP	None
Walkway from Forbes Creek	NSP	None
Stairs at NE 68 th Street	NSP/CKC Emergent Opportunity Fund	None
Stairs at Terrace Park	Parks	Yes
NE 100 th Street near Crestwoods Park/Cotton Hill Park	Private Development fee	Yes

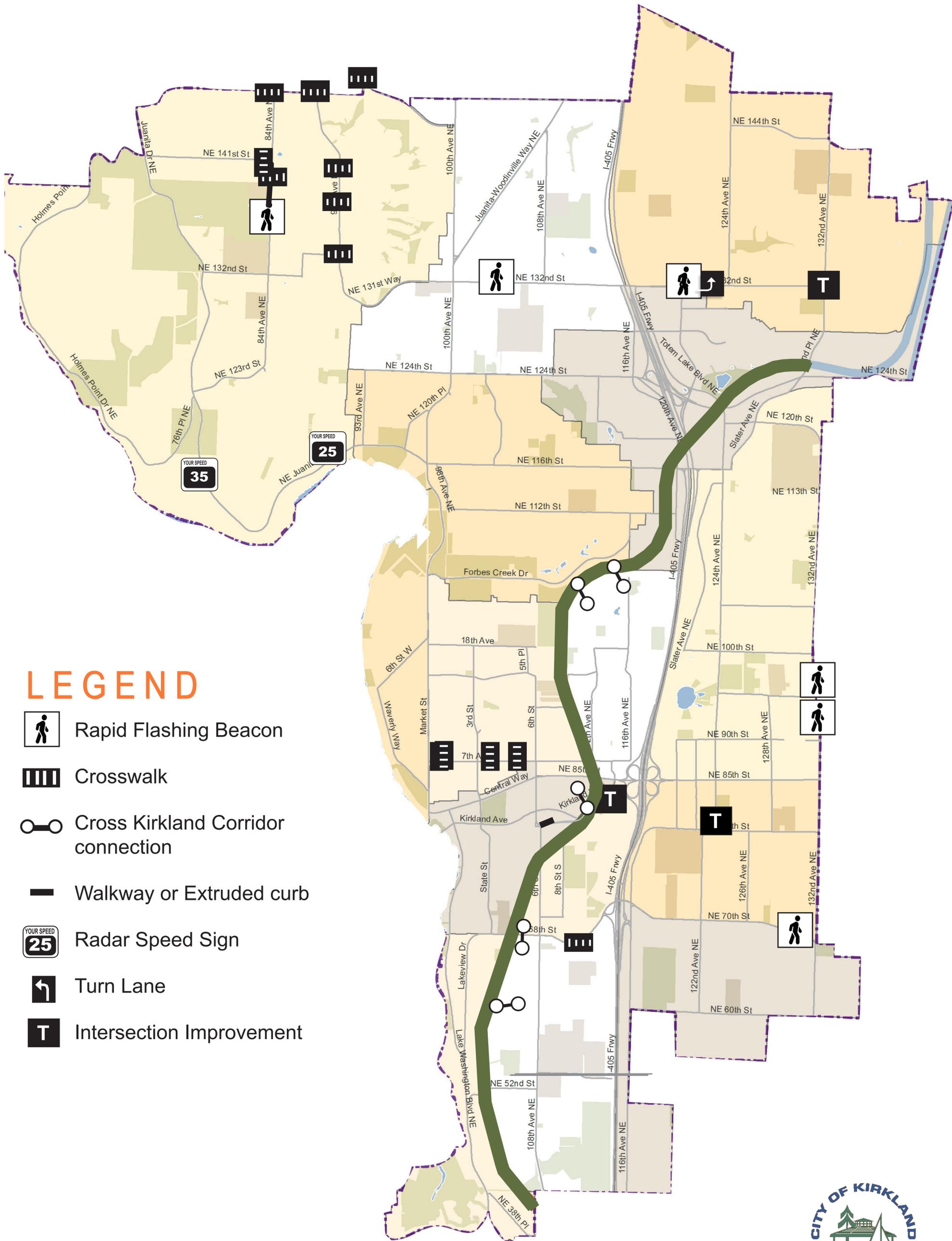
Goals

Funding

Projects

Cross Kirkland Corridor

Report Card



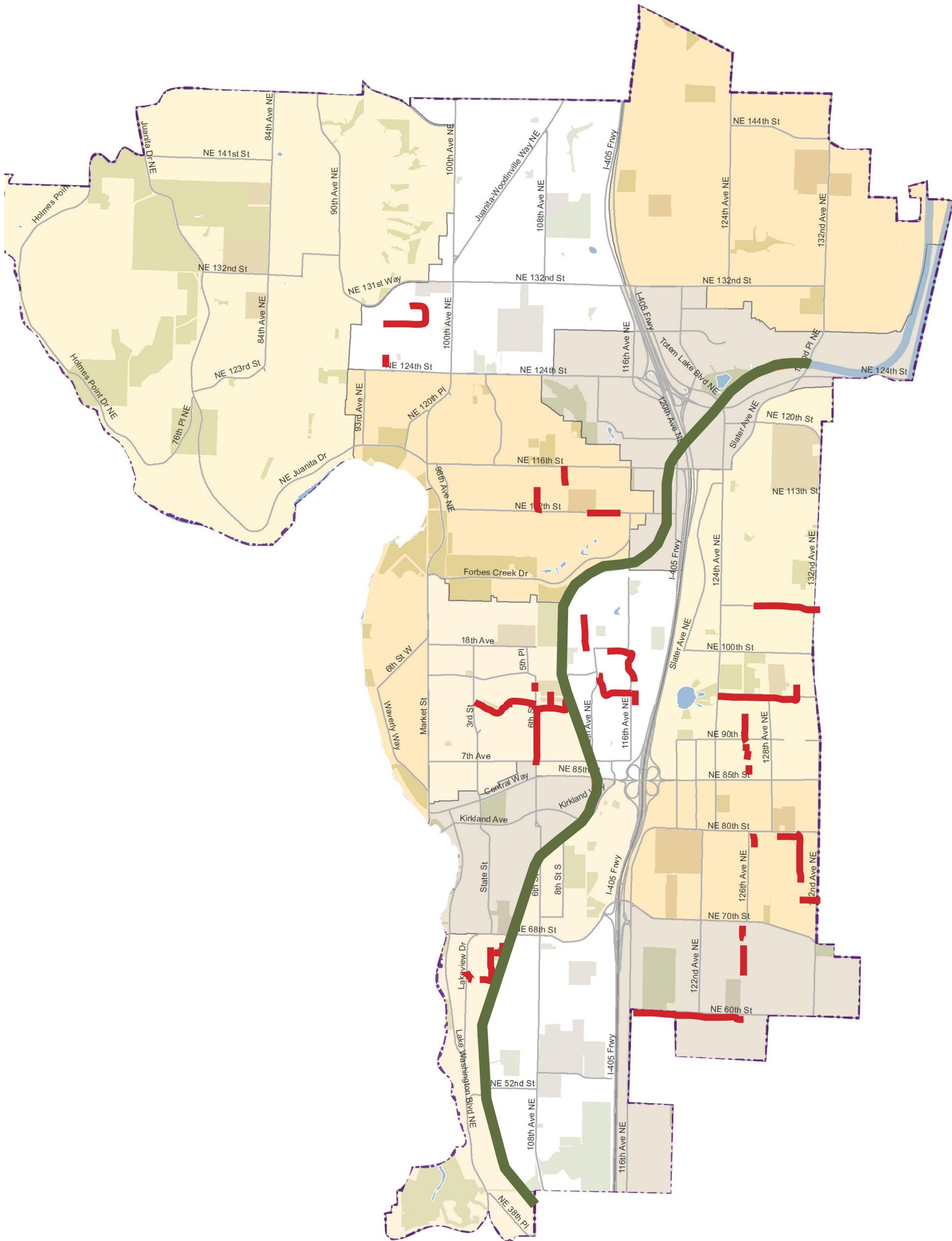
LEGEND

-  Rapid Flashing Beacon
-  Crosswalk
-  Cross Kirkland Corridor connection
-  Walkway or Extruded curb
-  Radar Speed Sign
-  Turn Lane
-  Intersection Improvement

COLOR CODES

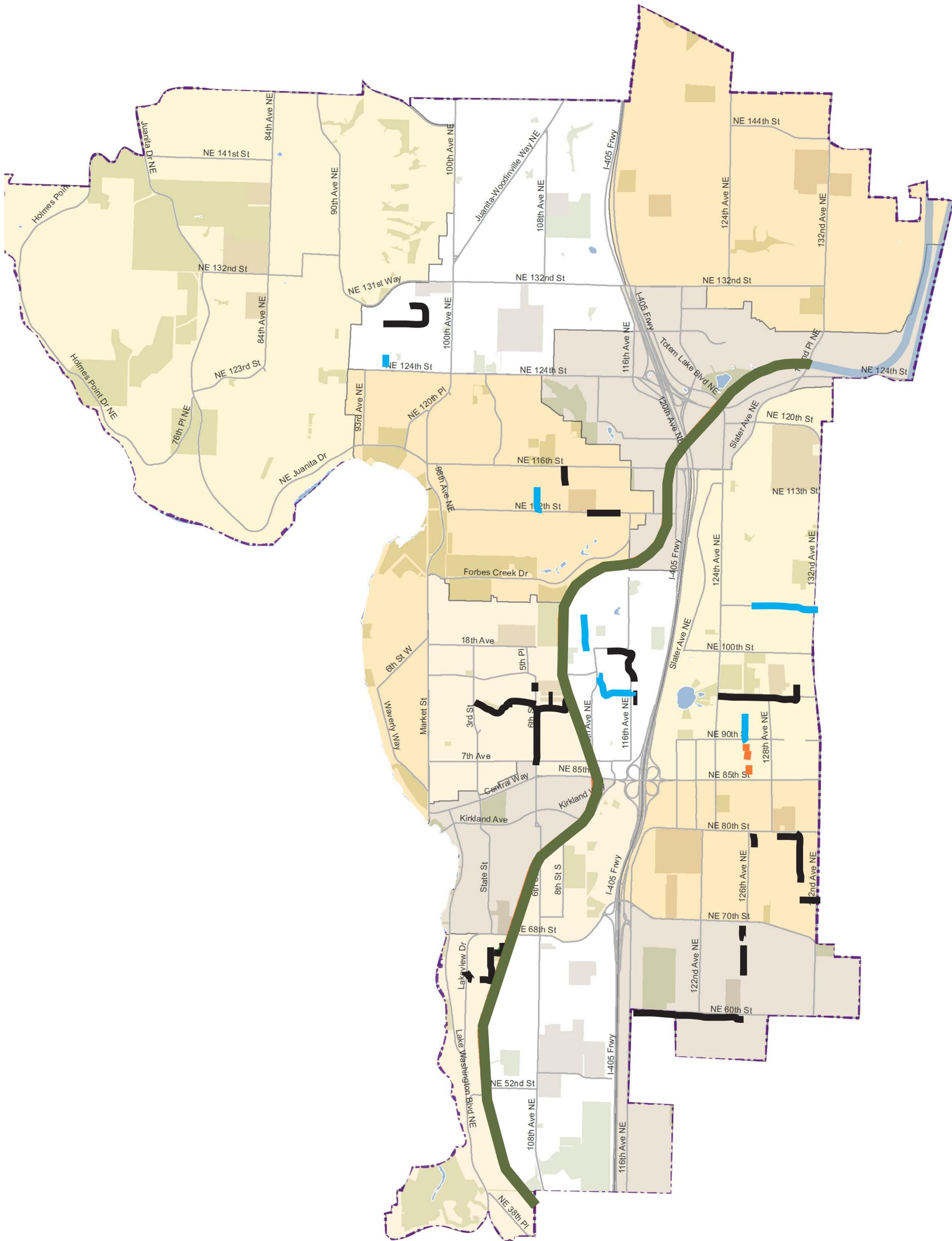
-  Planning
-  In progress
-  Complete





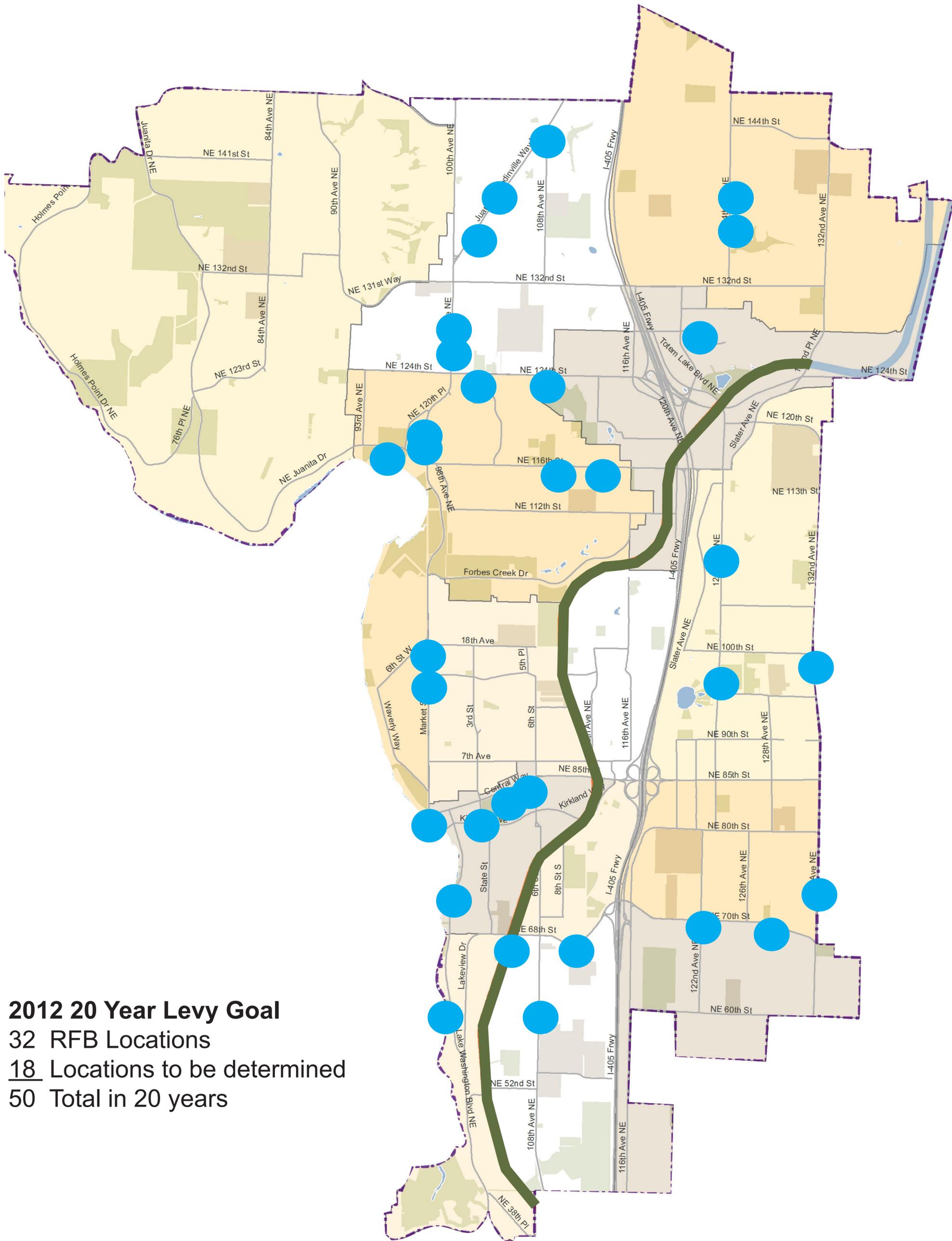
COLOR CODES

■ Original 2001 List



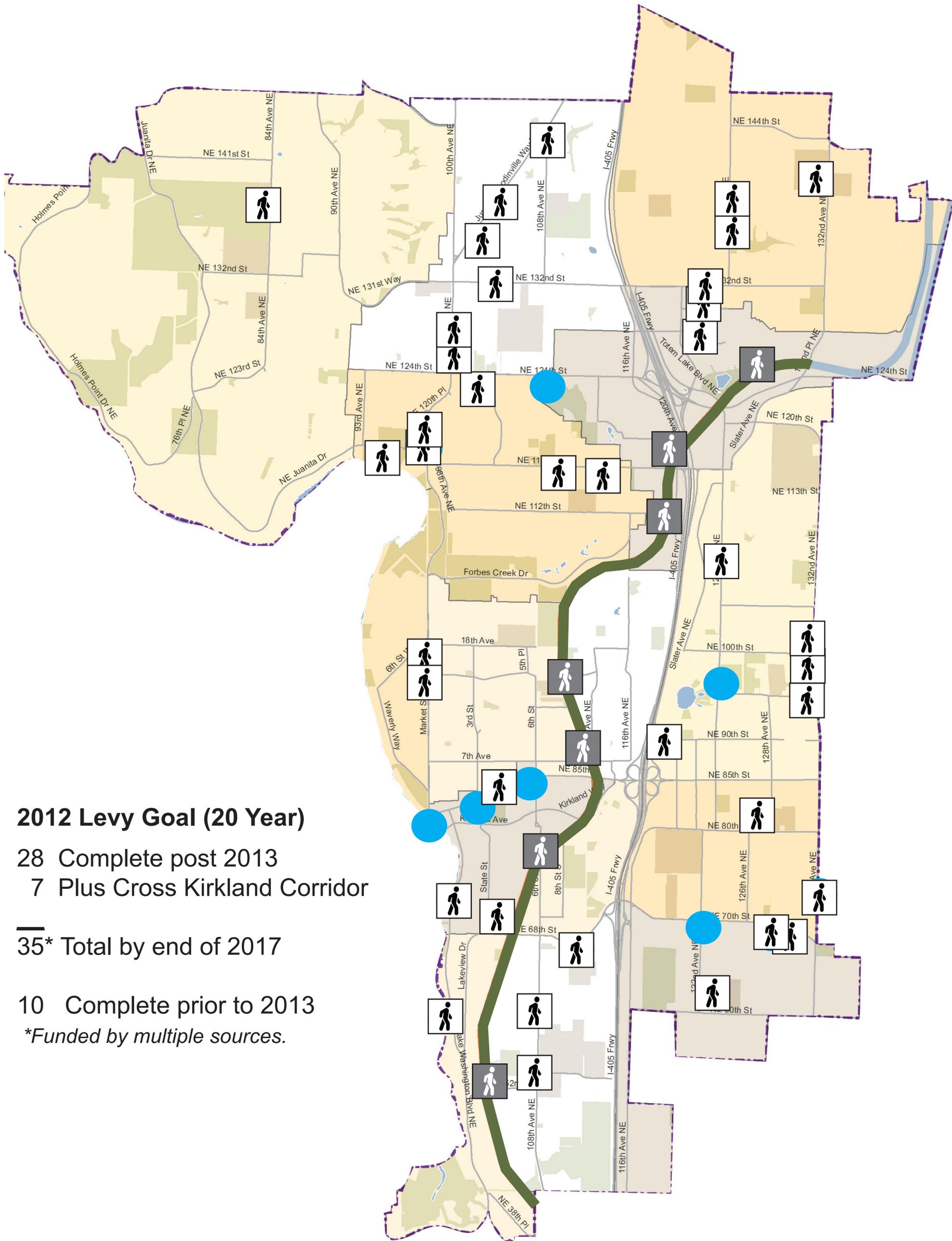
COLOR CODES

■ Original 2001 List
 ■ Complete
 ■ Construct in 2017
 ■ Design in 2017



2012 20 Year Levy Goal
 32 RFB Locations
 18 Locations to be determined
 50 Total in 20 years

COLOR CODES
 ● Levy Goal



2012 Levy Goal (20 Year)

- 28 Complete post 2013
- 7 Plus Cross Kirkland Corridor

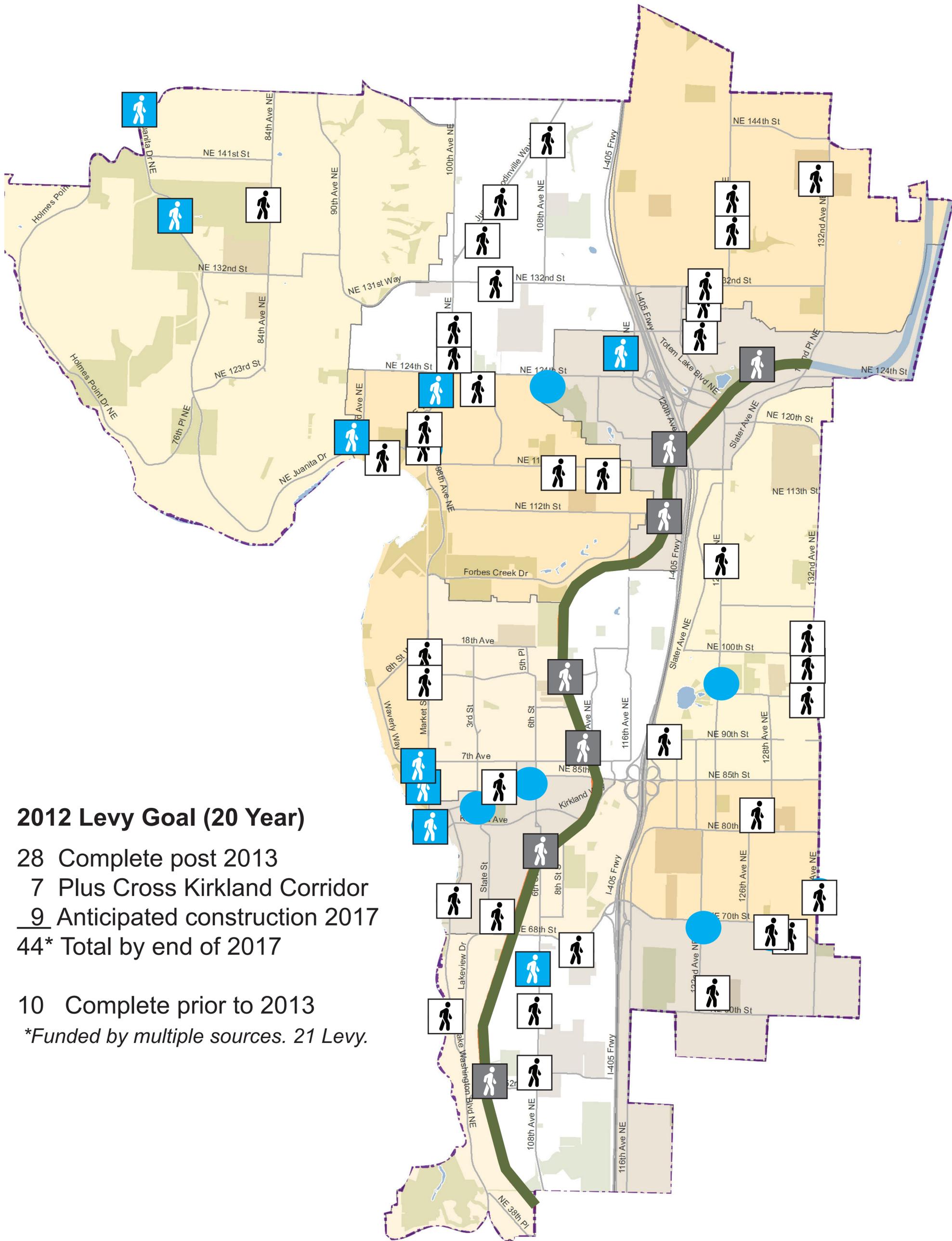
35* Total by end of 2017

10 Complete prior to 2013

**Funded by multiple sources.*

COLOR CODES

- Levy Goal
- Complete
- Cross Kirkland Corridor
- Anticipated construction 2017



2012 Levy Goal (20 Year)

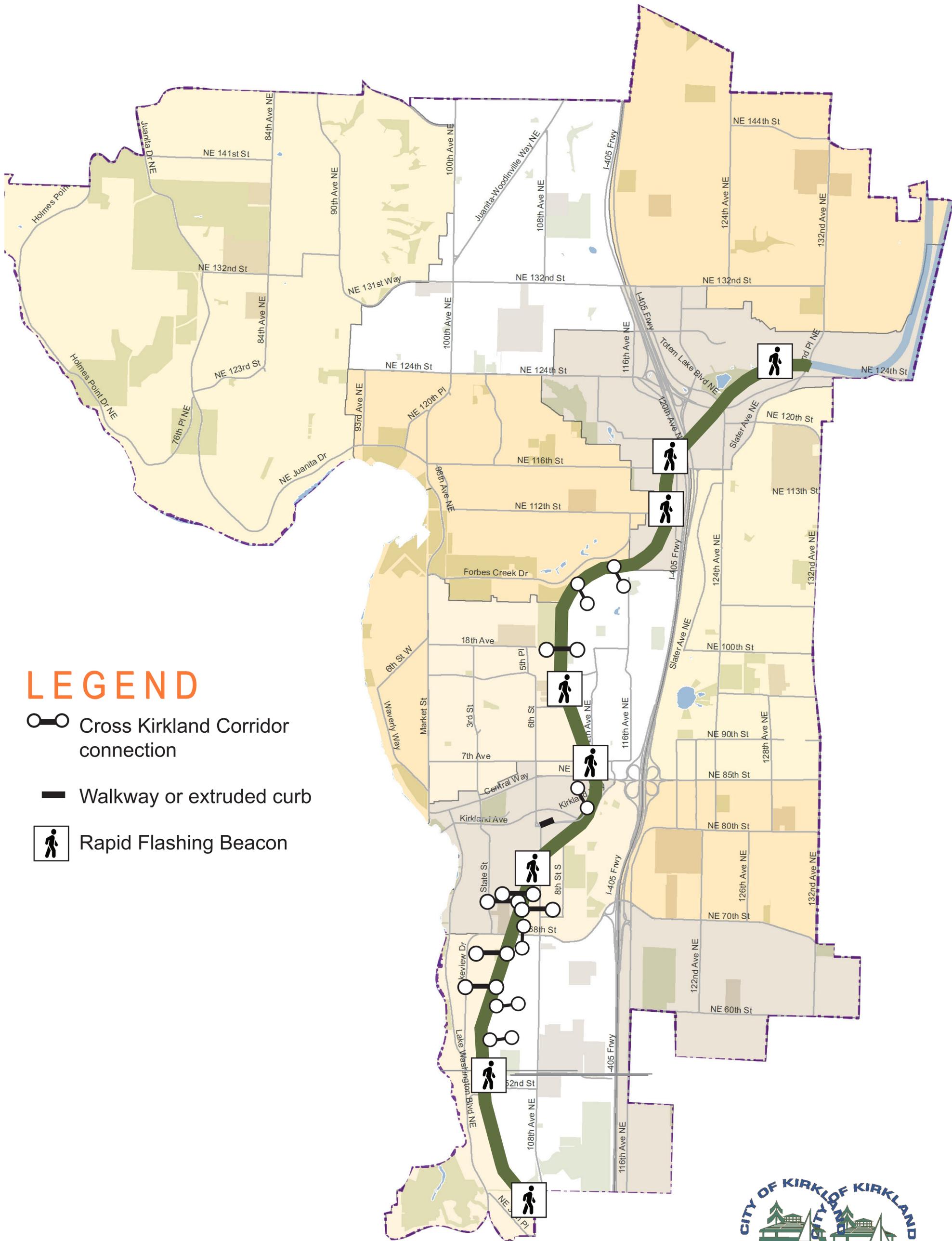
- 28 Complete post 2013
- 7 Plus Cross Kirkland Corridor
- 9 Anticipated construction 2017
- 44* Total by end of 2017

10 Complete prior to 2013

*Funded by multiple sources. 21 Levy.

COLOR CODES

-  Levy Goal
-  Complete
-  Cross Kirkland Corridor
-  Anticipated construction 2017



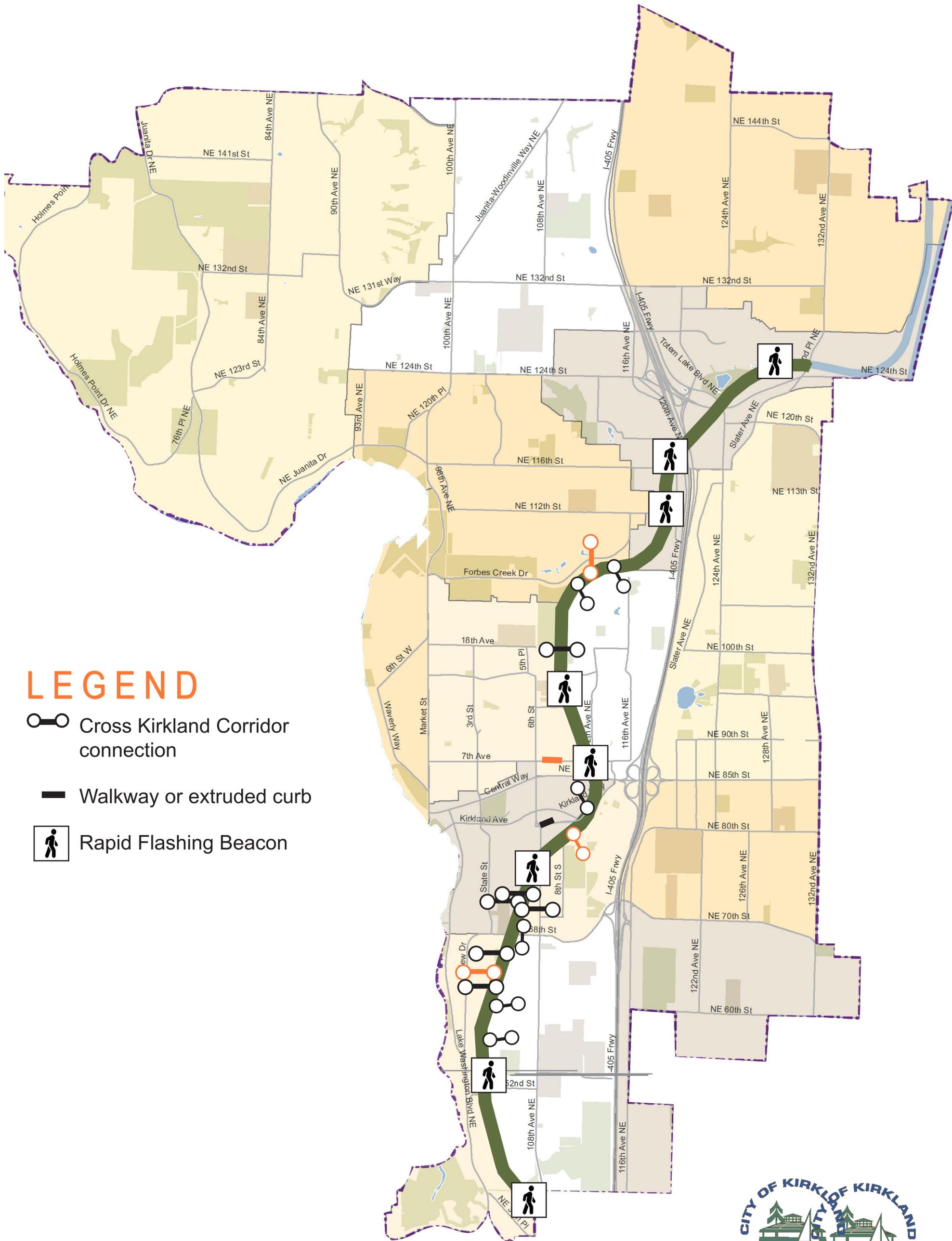
LEGEND

-  Cross Kirkland Corridor connection
-  Walkway or extruded curb
-  Rapid Flashing Beacon

COLOR CODES

-  Planning
-  In progress
-  Complete





LEGEND

-  Cross Kirkland Corridor connection
-  Walkway or extruded curb
-  Rapid Flashing Beacon

COLOR CODES

-  Planning
-  In progress
-  Complete



