

Transportation Element Update Draft Project Prioritization

July 18, 2022

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Senior Transportation Planner



Project Timeline



Outreach Series 3



Survey participation:

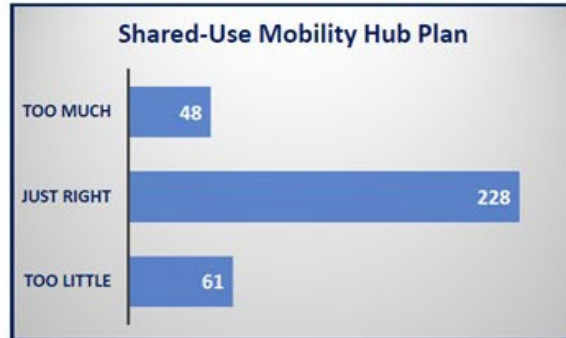
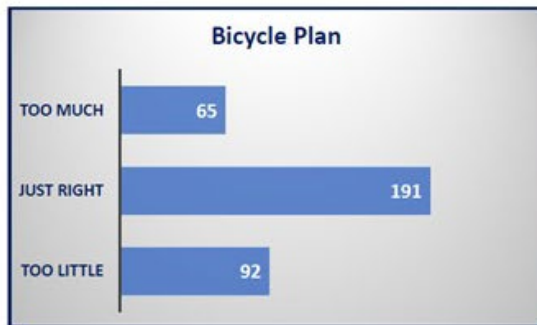
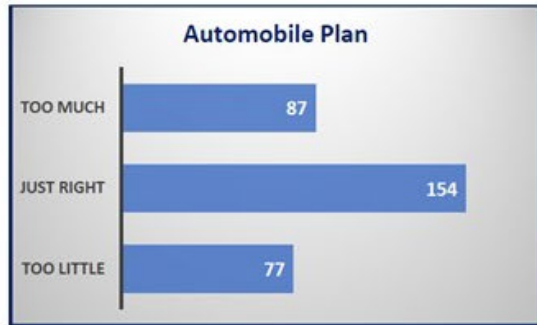
- 398 English online
- 2 Spanish online
- 9 Chinese online
- 18 pop-up display comment cards
- **427 total participants**

Outreach Series 3 – Pop Ups



- Einstein Middle School
- Richmond Beach Branch Library
- Ronald Commons
- Shoreline Library
- Shorewood High School
- Spartan Recreation Center

Survey Results: Draft Modal Plans Question



Prioritization Criteria Recap



Safety

Make Shoreline's transportation system safe and comfortable for all users.

High-priority projects will address locations that:

- Have a crash history (involving people walking, biking, or driving)
- Are along a faster street (based on posted speed limit)
- Are along an arterial street



Equity

Ensure all people are well served by transportation investments.

High-priority projects will benefit:

- Youth and seniors
- Low income families
- Communities of color
- People who speak languages other than English
- People with disabilities



Multimodality

Expand and strengthen facilities for walking, biking, and transit, to increase the number of safe, convenient, reliable, and accessible travel options.

High-priority projects will be located near:

- Existing or future transit routes
- Bus stops or light rail stations
- Shared-use mobility hubs or park-and-rides



Connectivity

Complete connections to and from key destinations such as parks, schools, community services, commercial centers, places of employment, and transit.

High-priority projects will:

- Help people get to schools or parks
- Close gaps in walking and biking facilities



Climate Resiliency

Protect the environment by promoting sustainability, reducing pollution, promoting healthy habitats, and supporting clean air and water.

High-priority projects will be located in areas with:

- Flooding issues
- Urban heat island impacts



Community Vibrancy

Foster a vibrant community through arts/culture, attracting and sustaining desired economic activity, and accommodating the movement of people and goods.

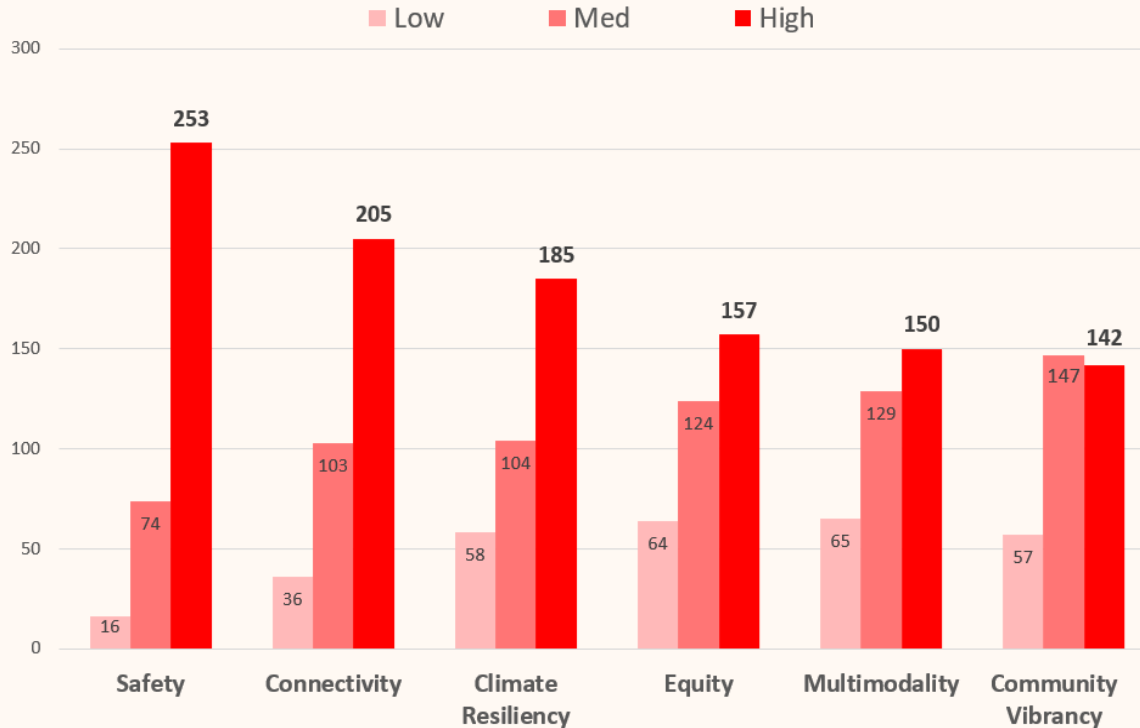
High-priority projects will create:

- Better access to activity centers (such as retail and civic buildings)
- New routes for walking and biking that are away from streets
- Ways to incorporate public art and visual interest into the transportation system



Survey Results - Priorities





Priorities

Note that the priorities were not compared to each other. Survey participants were only asked, "How important are each of these priorities to you?"



Prioritization Scorecard

Goal	Project Prioritization Metrics	Max Points
 Safety	Safety Metrics 20 Points	20 Points
	Location of improvement has a collision history (auto and/or pedestrian/bike):	
	At least one minor injury collision within the past five years	3 Points
	At least one serious or fatal injury collision within the past five years	6 Points
	At least one pedestrian or bike/auto collision within the past five years	2 Points
	Two or more pedestrian or bike/auto collisions within the past five years	4 Points
	Location of improvement is along a street with speed limit :	
	≤ 25 mph	1 Point
	≤ 30 mph	2 Points
	≤ 35 mph	3 Points
	≤ 40 mph	4 Points
	Location of improvement has a street classification of:	
	Collector Arterial	1 Point
Minor Arterial	2 Points	
Principal Arterial	3 Points	
 Equity	Equity Metrics Equity Priority Areas based on the aggregated score of following metrics: 18 Points	18 Points
	Improvement is within an area of concentrated need based on Age : 18 years or younger	For each sub metric: >80% = 3 Points 60-80% = 2 Points 40-60% = 0 Points 20-40% = 0 Points < 20% = 0 Point Except, "Income" sub metric: ≤ 50% of median income = 3 Points 51-80% of median income = 2 Point >80% of median income = 0 Point
	Improvement is within an area of concentrated need based on Age : 60 years or older ¹	
	Improvement is within an area of concentrated need based on income ≤ 80% of median income for a family of four ² .	
	Improvement serves a concentrated community of color Top 20% of population density of households of people of color.	
	Improvement serves a concentrated community with disabilities Top 20% of population density of households of people with a disability.	
	Improvement serves a concentrated community of limited English speakers Top 20% of population density of households with a limited English speaker.	

 Multimodality	Multimodality Metrics 12 Points	12 Points
	Improvement is located along an existing or proposed transit route .	3 Points
	Improvement is located within a ¼ mile radius of a bus stop .	3 Points
	Improvement is located within a ½ mile radius of an existing or planned BRT stop or light rail station .	3 Points
	Improvement connects to an existing or proposed location of a shared-use mobility hub or park and ride .	3 Points
 Connectivity	Connectivity Metrics 12 Points	12 Points
	Improvement is located within a ¼ mile radius of a school .	4 Points
	Improvement is located within a ¼ mile radius of a park .	4 Points
	Closes gap or extends an existing pedestrian or bicycle facility .	4 Points
 Climate Resiliency	Climate Resiliency Metrics 4 Points	4 Points
	Improvement is within a Surface Water Vulnerabilities area per the City's Climate Impacts Tool and will include measures to reduce surface water runoff.	2 Points
	Improvement is within an Urban Heat Island area per the City's Climate Impacts Tool and will include measures to mitigate urban heat island effect.	2 Points
	Refer to Multimodality and Connectivity for metrics for reducing transportation-related greenhouse gas (GHG) emissions by encouraging taking other travel modes than driving.	N/A
 Community Vibrancy	Community Vibrancy Metrics 6 Points	6 Points
	Improvement enhances multimodal access to an activity center (within a ¼ mile radius of a retail/business area or civic/community building).	2 Points
	Improvement provides an alternative to walking or bicycling along a motorized facility e.g., ped/bike bridge, trail/path through park or unopened right of way, etc.	2 Points
	Improvement provides places for public art, culture, and/or community gathering e.g., locations of shared-use mobility hubs and park frontages.	2 Points
	Total Max Project Score	72

¹ Eligibility for the Older Americans Act starts at age 60.

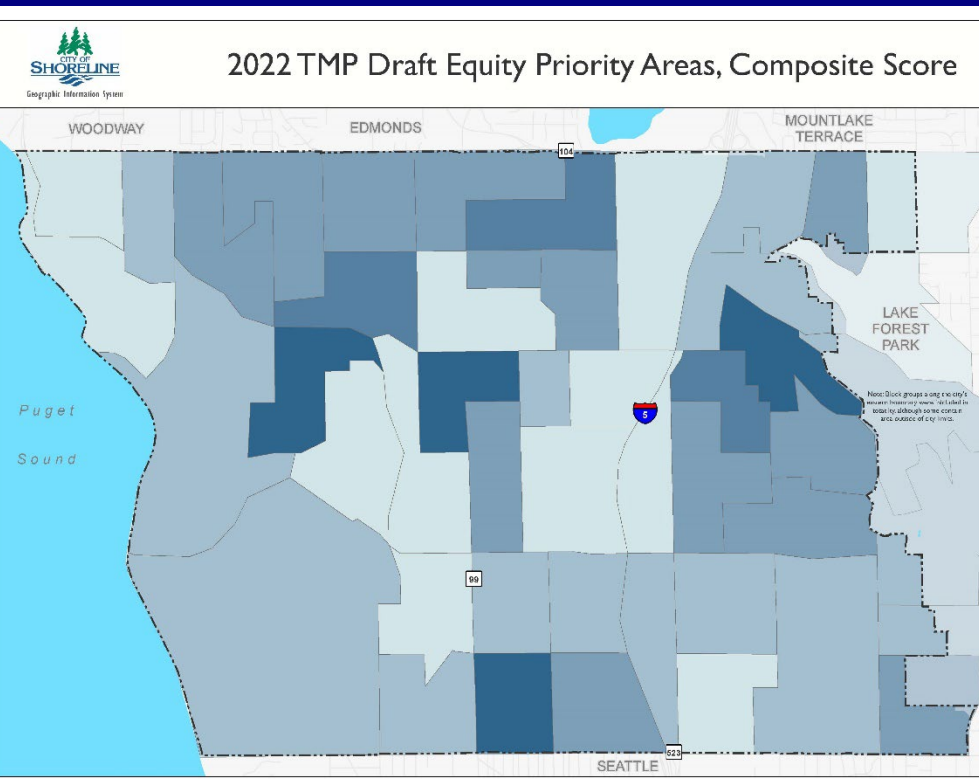
² Eligibility threshold for King County Housing Authority residents is 80% of median income. U.S. Department of Housing and Urban Development (HUD) defines 50%-80% of median income as "Low Income".

Criteria Point Spread Comparison

Outreach Series 3 Survey Results	Survey Points	% of total points
1 st - Safety	253	23%
2 nd - Connectivity	205	19%
3 rd - Climate Resiliency	185	17%
5 th - Multimodality	150	14%
4 th - Equity	157	14%
6 th - Community Vibrancy	142	13%
Total	1092	

Staff Draft Recommendation	Criteria Points	% of total points
1 st - Safety - Council goal and City Target Zero policy	20	28%
2 nd - Equity - Council goal	18	25%
3 rd - Connectivity	12	17%
4 th - Multimodality	12	17%
5 th - Community Vibrancy	6	8%
6 th - Climate Resiliency	4	6%
Total	72	

Equity Priority Areas



- Youth and seniors
- Households with lower incomes
- Communities of color
- People with disabilities
- Limited English speakers

Building a Draft Project List



Draft Project Types

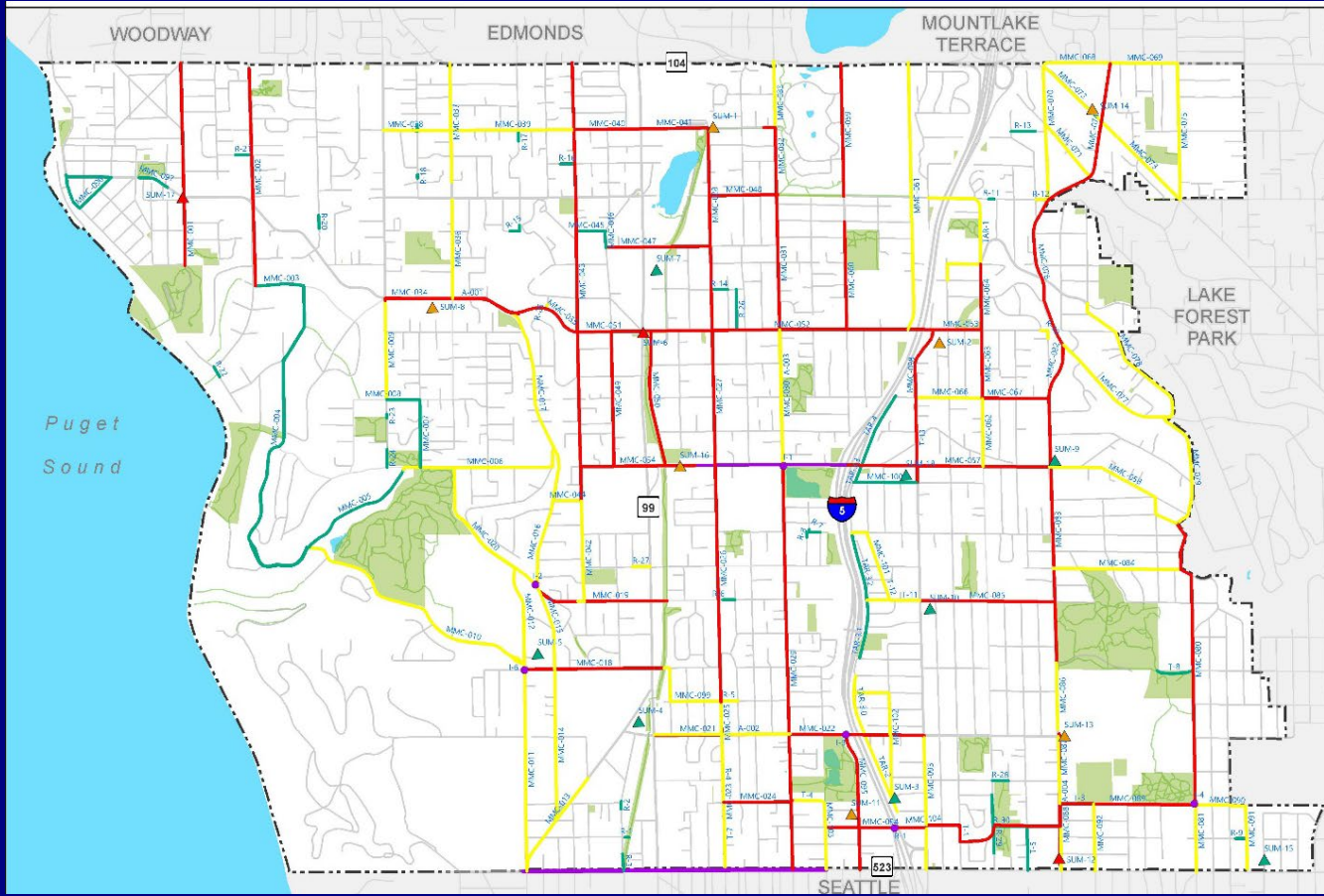
- . Intersections (I)
- . Multimodal Corridor (MMC) Projects
- . Unimproved Right-of-Way (R)
- . Trail Along the Rail (TAR)
- . Trail Connection (T)
- . Bridge Project (B)
- . Shared-use Mobility Hubs (SUM)

Draft Project Prioritization List

2022 TMP DRAFT PROJECT PRIORITIZATION MATRIX						SAFETY																	EQUITY							MULTIMODALITY					CONNECTIVITY			CLIMATE RESILIENCY		COMMUNITY VIBRANCY			TOTALS				
PROJECT ID	PROJECT TYPE	STREET	FROM	TO		1- Minor Injury Collisions	1+ Serious or Fatal Injury Collisions	1 Ped / Auto Collision	2+ Ped / Auto Collisions	Street Classification	Speed Limit	Age - Children < 18	Age - Older Adults > 60	Income	Community of Color	Disabilities	Limited English Speakers	Along Transit Route	1/4 mile BxS Stop	1/2 mile BRT or Light Rail Station	Connects to Mobility Hub or P-a-R	1/4 mile School	1/4 mile Park	Close Gap or Extended Ped/Bike Facility	Surface Water Vulnerability	Urban Heat Island	Multimodal Access to Activity Center	Alternative Ped/Bike Route	Place for Art, Culture, & Gathering	Total Safety	Total Equity	Total Multimodality	Total Connectivity	Total Climate Resiliency	Total Community Vibrancy	Total Score											
MMC-083	MMC	16th Ave NE	NE 180th St	Hamlin Park Rd		0	0	2	0	3	2	2	2	0	0	0	0	0	0	0	0	0	4	4	4	0	2	2	0	0	0	13	6	6	12	2	2	31									
MMC-084	MMC	NE 185th St	15th Ave NE	25th Ave NE		0	0	2	0	3	2	2	2	0	0	0	0	0	0	0	0	0	4	4	4	0	2	2	0	0	0	13	6	6	12	2	2	33									
MMC-085	MMC	NE 185th St	15th Ave NE	5th Ave NE		0	0	2	0	3	2	2	2	0	0	0	0	0	0	0	0	0	4	4	4	0	2	2	0	0	0	13	6	6	12	2	2	33									
MMC-086	MMC	16th Ave NE	Hamlin Park Rd	NE 155th St		0	0	0	0	3	2	2	2	0	0	0	0	0	0	0	0	0	0	4	4	4	0	0	0	11	4	9	8	2	2	38											
MMC-087	MMC	16th Ave NE	NE 155th St	NE 150th St		0	0	2	0	3	2	2	2	0	0	0	0	0	0	0	0	0	0	4	4	4	0	0	0	13	4	4	9	2	2	38											
MMC-088	MMC	15th Ave NE	NE 150th St	NE 145th St		3	0	2	0	3	2	2	2	0	0	0	0	0	0	0	0	0	4	4	4	0	2	2	2	16	2	12	8	2	2	43											
MMC-089	MMC	NE 150th St	15th Ave NE	25th Ave NE		3	0	2	0	3	2	2	2	0	0	0	0	0	0	0	0	0	4	4	4	0	2	2	2	16	2	9	12	2	2	43											
MMC-090	MMC	NE 150th St	NE 150th St	28th Ave NE		3	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	4	4	4	0	0	0	0	12	4	6	12	2	2	38											
MMC-091	MMC	26th Ave NE	NE 150th St	NE 145th St		0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	4	4	4	0	0	0	7	4	6	12	2	2	33											
MMC-092	MMC	17th Ave NE	NE 150th St	NE 145th St		0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4	4	4	0	0	0	0	9	2	9	12	2	2	36											
MMC-093	MMC	5th Ave NE	NE 155th St	N 145th St		0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	4	4	4	0	0	0	0	10	0	9	8	2	2	31											
MMC-094	MMC	NE 148th St	5th Ave NE	1st Ave NE		3	0	0	0	2	2	2	0	2	0	0	0	0	0	0	0	0	4	4	4	0	2	2	2	13	5	9	12	2	2	45											
MMC-095	MMC	1st Ave NE	NE 150th St	N 145th St		3	0	2	0	2	2	2	0	0	0	0	0	0	0	0	0	0	4	4	4	0	0	0	0	15	5	9	12	2	2	45											
MMC-096	MMC	Richmond Beach Dr NW	NW 192th St	NW 195th Pl		0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	4	4	4	0	0	0	0	9	0	6	8	0	0	28										
MMC-097	MMC	NW 198th St	23rd Ave NW	20th Ave NW		0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	0	0	0	0	9	0	6	8	0	0	22										
MMC-098	MMC	5th Ave NE	NE 185th St	NE 175th St		0	0	2	0	3	2	2	0	2	2	2	0	0	0	0	0	0	4	4	4	0	2	2	0	13	8	9	12	2	2	46											
MMC-099	MMC	N 157th St	Midvale Ave N	Ashworth Ave N		0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	4	4	4	0	0	0	0	10	3	3	12	2	2	34											
MMC-100	MMC	NE 147th St	NE 147th St	1st Ave NE		0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	0	0	0	12	0	3	8	2	2	29											
MMC-101	MMC	NE 170th St / 3rd Ave NE / NE 185th St	NE 170th St / 3rd Ave NE / NE 185th St	1st Ave NE		0	0	2	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	4	4	4	0	0	0	14	0	6	6	2	2	33											
MMC-102	MMC	NE 158th St / 3rd Ave NE	1st Ave NE	NE 148th St		0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	4	4	4	0	2	2	0	10	3	9	8	2	2	34											
MMC-103	MMC	Corliss Ave N	N 150th St	N 140th St		0	0	0	0	2	2	2	0	2	2	2	0	0	0	0	0	0	4	4	4	0	0	0	0	10	5	9	8	2	2	36											
MMC-104	MMC	NE 149th St	5th Ave NE	15th Ave NE		3	0	2	0	3	2	2	0	0	0	0	0	0	0	0	0	0	4	4	4	0	2	2	2	16	2	9	12	2	2	50											

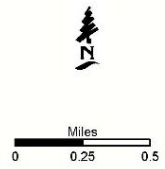


Draft Project Prioritization Map



About the scoring process:
 All projects (both points and lines) were run through a spatial analysis organized in six groups: Safety, Equity, Multimodality, Connectivity, Climate Resiliency, and Community Vibrancy. Each project was assessed based on 24 individual metrics.

- Shared-Use Mobility Hubs Score**
- ▲ 40 - 54 points, High
 - ▲ 31 - 39 points, Medium
 - ▲ 20 - 30 points, Low
- Multimodal Projects Score**
- 42 - 57 points, High
 - 30 - 41 points, Medium
 - 12 - 29 points, Low
- Miscellaneous**
- Predetermined Priority Projects
 - Predetermined Priority Projects
 - Existing Park
 - Existing Trail



This map is not an official map. No warranty is made concerning the accuracy, currency, or completeness of data extracted or this map.

Next Steps



- Project Cost Estimates
- Refine Draft Project Priority List
- Prepare Preliminary Draft TE Update
- Return to Council in August



Thank you!

Visit the project webpage at
shorelinewa.gov/tmp

Contact

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