

**Meeting Summary
Milwaukie TSP Update
Advisory Committee Meeting #6**

Meeting Overview

The sixth meeting of the Advisory Committee for the Milwaukie Transportation System Plan Update was held on August 15, 2007 from 4:30pm – 7:00pm at the Milwaukie Masonic Lodge.

The purpose of the meeting was to affirm the project prioritization recommendations developed by TSP staff and working groups and advise staff on strategies for deciding which projects to include in the citywide action plan.

The meeting was attended by 25 people, including seven staff members.

Agenda

4:30	Welcome; staff introductions	Jamie Damon
	Public involvement update	Susan Shanks
	Transportation funding 101	Alex Campbell
	Prioritized Master Project list	Katie Mangle
	Citywide Action Plan Strategy	Katie Mangle
	Small Group reports and formulation of AC recommendation	Jamie Damon
	Next steps	
7:00	Close	

Introductions; Meeting Purpose and Agenda Review

Katie opened at 4:35pm; Jamie reviewed the agenda and reminded the group about the protocols.

Public Involvement Update

Susan provided an overview of the public involvement program-to-date and a summary of the community input:

Highest priority issues:

- Improve pedestrians and bicycle facilities
- Enhance public transit service

- Maintain existing facilities
- Manage neighborhood traffic
- Improve crossings over major corridors

Highest priority areas:

- Downtown
- Milwaukie Market Place
- SE Railroad Ave
- Railroad crossings

Transportation Funding 101

Alex gave a presentation about where transportation funding comes from and how a transportation budget is developed.

An overview of the funding “formula” is:

Flexible revenues (state gas tax and franchise fees)

- O & M expenditures

+ Capital improvement revenues (SDC’s and fee in lieu of construction)

[x 22 years]

= Total available funding for projects over 22 years.

The group had the following questions/comments:

Q: Are SDC’s new construction only? *It also applies to redevelopment, change of use*

Q: Are SDC’s used to directly fund the development impacts from which they are collected?
No

Q: Do we need a change in policy to allow SDC’s to be collected at a higher rate to cover the actual costs? *This is a common recommendation out of a TSP process.*

Alex showed a table highlighting the SDC’s across the region-Milwaukie is on the low end.

C: Would like to see an SDC rate that more accurately reflects the real costs of the improvements.

C: Majority of impacts are from those who pass through the city and aren’t developing here.

Q: Can the city develop a chart to show how a larger rate could be charged to a development that has greater negative impact and less public good?

C: In the plan we need to account for changes of use and the impact on the system.

The group discussed the need to collect additional revenue with redevelopment, change of use, assumptions have changed or errors have occurred.

Q: Can the city collect revenue from adjacent jurisdictions when their development impacts the city system?

Prioritized Master Project list

Katie clarified that the city has \$6.5 million in total capital improvement revenues for the next 22 years.

Katie reminded group about the methodology of applying the goals to the projects. Katie clarified that there are additional projects on the list that did not come from the Working Groups (example-safety neighborhood program, Logus Rd, sidewalks, etc.)

Katie explained that Susan, Gary, Katie, and Alex-applied the criteria using a 0 – 3 weight scale (“0” = not a priority at all/ “3” = high priority.)

The group had the following comments/questions:

C: Clarification about the “high” staff recommendations-some of them have a lower total score (such as the Refinement Plan) than some of the medium priority projects. *There were other considerations such as dependencies on light rail, large cost, etc. that were factored into the ratings.*

C: Does the whole list go into the plan? *Yes*

Q: Is there a priority in project type? *Not at this time*

Q: Are there co-dependencies among projects that help projects get implemented, for example, how can maintenance money be leveraged? *Yes co-dependencies were factored in -, when streets need multiple implements, we will look for opportunities to leverage funds.*

Q: How will transit priorities be included? *The Working Group priorities will be included in the chapter on transit needs. Within the transportation system plan projects priorities are identified at a modal level by chapter.*

C: It is easier, legally to get a developer to pay for a project if it is listed in the TSP.

The group discussed the project list and the staff’s recommended priorities in small groups. The group was asked to check the list against what they know to be the community’s priorities and to suggest any changes.

Citywide Action Plan Strategy

Katie reviewed a series of handouts representing five different funding strategies for implementation of the TSP. The five strategies are as follows:

1. Emphasis on Leveraging City Funds
2. Emphasis on Leveraging City Funds and Highest Priority Projects
3. Emphasis on Direct City Funding and Highest Priority Projects
4. Emphasis on Direct City Funding

5. Emphasis on Maintenance and Operations

Katie highlighted that option #1 is the city's current funding strategy, but that if the group wanted to recommend a change, now is the time.

A member of the group asked - if we list our priority projects in the TSP and our preferred approach for funding, can we have a back-up strategy in order to be responsive to changing funding conditions. Katie replied that while the TSP will document the community's priorities and preferred approach for project implementation, the TSP is a dynamic document that is updated regularly.

The group discussed the funding options in small groups and were asked to recommend a funding strategy as well as any changes to the project priority list.

AC Recommendation Project Priorities

The groups reported the following in a large group session – the combined input constitutes the AC's recommendation for how to move forward:

Group #1

Move the first two medium projects on the priority list (#25 and #26 to a “high” priority.)

Move bike/ped improvements on SE Washington St/Oak St/Highway 224 to a “high” priority.

Move the bike/ped projects on Linwood and Rusk (rated as “low”) to “high” to match with the county's rating of “high”

Be sure to coordinate with the county on their priorities.

Group #2

Question whether or not sidewalk maintenance should be considered a capital project or a city policy. Check on what the pedestrian group recommended.

Combine projects on Railroad Avenue into one project (#18, #14, #21)

Combine projects on Monroe St. (#9 and #12)

Group #3

Conduct a cost/benefit analysis ranking. Take into account the utility of the project as another check/balance of priority ranking.

There may be revenue neutral projects that are low priority but could recoup the expenses through fees (such as parking enforcement) – these projects should be highlighted.

Denote which projects demand an ongoing capital outlay versus a one-time expenditure (such as the dam removal.)

In addition to the suggested priorities, a group member noted that the Harrison and RR intersection improvement project – listed on the freight map – did not make it onto the prioritized list.

AC Recommendation for Funding Strategies

All three groups preferred funding strategy #1. Emphasis on Leveraging City Funds.

The group had the following additional input:

Remove the rankings of the projects when including them in the TSP document. This will give the city the highest level of flexibility for how projects are implemented. Include a footnote that clearly says, “these projects are not in priority order.”

Include information about how much city budget is reserved for leveraging purposes.

All agreed that the city should maximize leveraging the city’s limited revenue as much as possible.

Attached:

- Presentation material summarizing transportation funding
- Revised citywide Action Plan

Chapter 13

- Basic Assumptions
- Refined Figures
- Revenue Options
- Set Stage for Priority Discussion

Flexible Revenues
(State Gas Tax
& Franchise Fees)

-

O&M
Expenditures

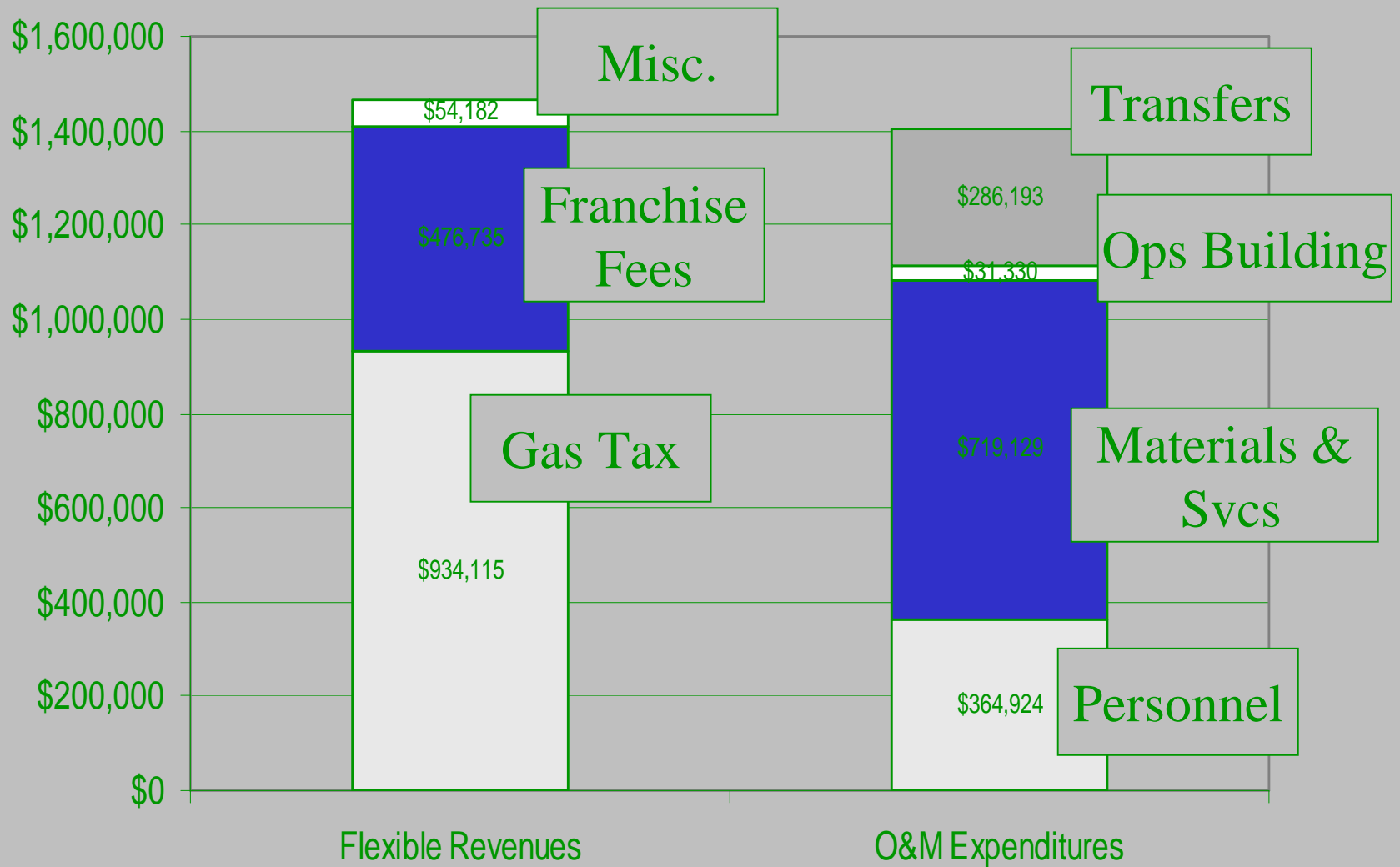
+

Capital Improvement Revenues
(SDCs & Fee In Lieu of Construction)

x 22 years

=

Total Available Funding for
Projects Over 22 Years

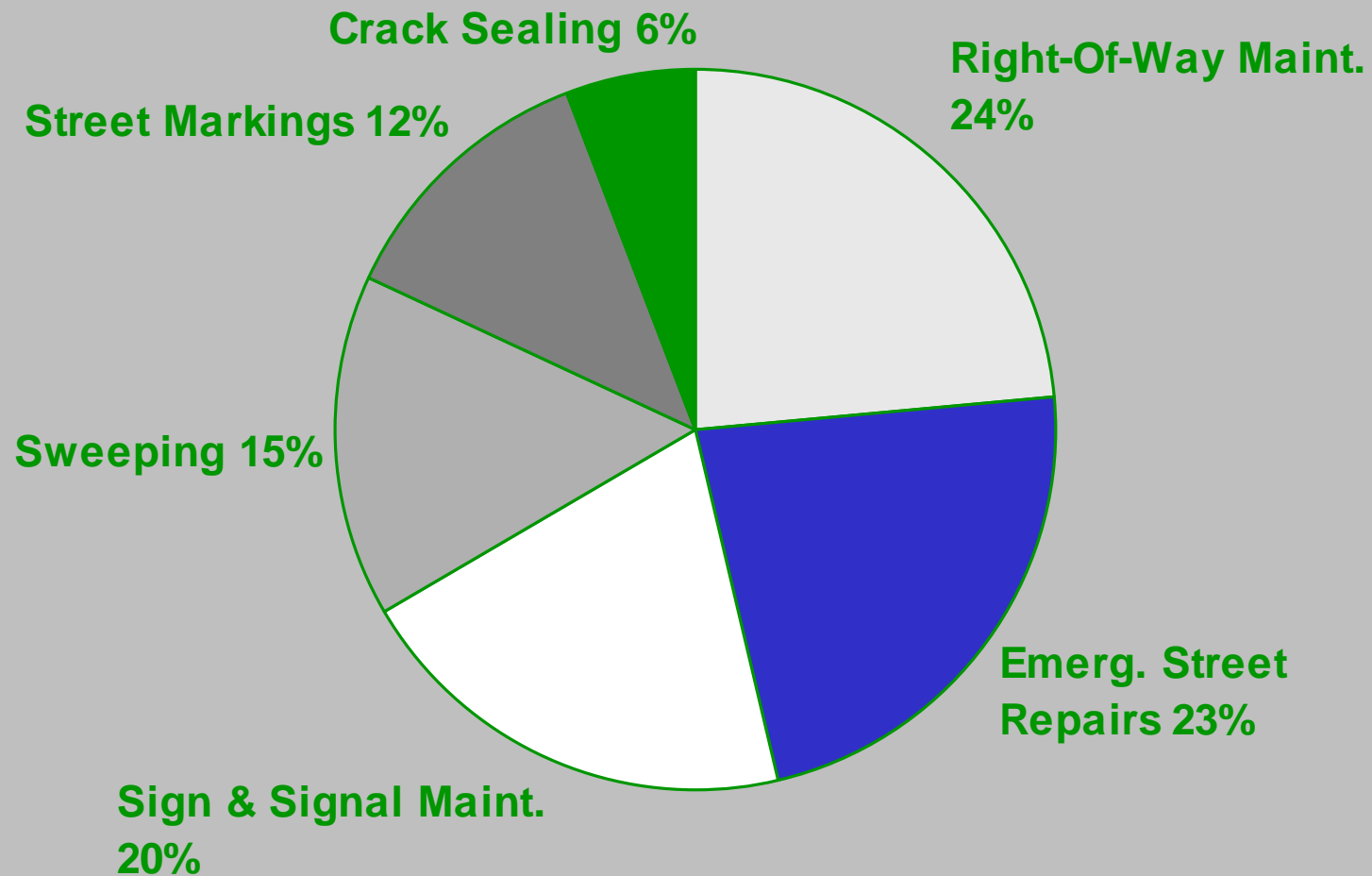


Flexible Revenues vs. Operating Expenditures
 (Avg. 2002-2007)

Where Does \$1.5 Million in O&M Go? – Budget Basis

Budgetary Basis (FY 2006-07 actuals)		
Street Lighting Electricity	\$301,000	19%
Vehicle Use/Fuel/Replacement	\$177,000	11%
New Ops Building Buildout	\$46,000	3%
Other Materials & Services*	\$150,000	10%
Personnel	\$427,000	27%
Gen Admin Services Charge	\$158,000	10%
Transfer to Engineering	\$183,000	12%
Transfer to CD Admin	\$133,000	8%
Total		\$1,575,000

Where Does O&M Go? – 40% to Programs [Excluding Transfers / Overhead / Street Lighting]



Capital Funds [SDC & FILOC]

~\$220K / year x 22 years = \$4.9m

Flexible Funds [Flex Revenues – O&M]

~\$75K / year x 22 years = \$1.6m

Est. Local Funds Available = \$6.5m

Street Surface Maintenance Program

**[Maintenance Fee, Local Gas Tax, PGE
Priv. Tax] is dedicated to Preservation Only**

Revenue Options

- General Fund
- Expand SDC rate
- Urban Renewal
- LID
- Direct Approps/Grants
- Special Assessments

Milwaukee TSP Action Plan Project List

On Local Action Plan (Fiscally Constrained Project List)	2004 RTP Project #	Working Group	Type	Project Type	Project Name	Improvement	From	To	Estimated Cost (\$1,000s)	Direct and Leveraged Funding		
										10-20% match	50% match	100% City
HIGH PRIORITY PROJECTS												
yes	5058	Pedestrian	C	Bike/Ped	SE 17 th Avenue Sidewalks	Fill in sidewalk gaps on both sides of street.	SE Ochoco Street	SE McLoughlin Boulevard	\$920	\$184		
yes		Transit		Transit	Downtown Transit Center	New bus layover facility at the former Southgate Theater. Improve downtown bus stops and shelters.	Location specific	Location specific	\$1,250	\$100		
yes	5052	Bicycle	C	Bike/Ped	SE 17 th Avenue Bike Lanes and Intersection Safety	Bike lanes. Improve safety at the intersections of SE 17th Avenue/Hwy 99E and SE 17th Avenue/Hwy 224	SE Waverly Drive	SE Harrison Street	\$135			\$135
yes		Pedestrian	C	Bike/Ped	SE Logus Road Sidewalks	Fill in sidewalk gaps on both sides of street.	SE 43rd Avenue	SE 49th Avenue	\$771	\$154		
yes	5055	Pedestrian	C	Bike/Ped	Kellogg Creek Dam Removal and Underpass	Replace 99E bridge over Kellogg Creek. Remove dam. Ped undercrossing between downtown and park.	Site Specific	Site Specific	\$9,000	\$700		
yes		Bicycle	C	Bike/Ped	Springwater Corridor	Sellwood Gap - Ochoco between 17th and 19th	SE 17th Avenue	SE 19th Avenue	\$80			\$80
yes	5040	Pedestrian	C	Bike/Ped/Transit	SE Railroad Avenue	Construct sidewalks on both sides of street.	SE 37th Avenue	SE Harmony Road	\$1,625	\$325		
yes		Bicycle	C	Bike/Ped	Monroe	Bicycle blvd improvements	SE 21st Avenue	Linwood	\$300		\$150	
yes		Bicycle	C	Bike/Ped	29th/ Harvey/40th	Bicycle blvd improvements			\$200			\$200
yes		Bicycle	O	Operations	Citywide	Sweeping of bike lanes to remove debris	Citywide	Citywide	\$1,100			\$1,100
yes		Pedestrian	C	Bike/Ped	SE Monroe Street	Fill in sidewalk gaps on both sides of street.	SE 42nd Avenue	City limit	\$1,631	\$326		
no	5043	Pedestrian	C	Bike/Ped	SE Stanley Avenue	Fill in sidewalk gaps on both sides of street.	SE Johnson Creek Boulevard	SE Railroad Avenue	\$4,304			
yes		Automobile	C	Mobility	SE Railroad Avenue	Widen SE Railroad Avenue to standard three lane cross section	SE 37 th Avenue	SE Linwood Avenue	\$12,990	\$2,598		
yes	5054	Pedestrian	C	Downtown	Downtown Sidewalk Enhancement	Sidewalks, lighting, amenities, bulbouts.	Downtown Streets		\$6,700	\$450		
yes		Bicycle	O	Public Information	Citywide	Signage for neighborhood bike routes	Citywide	Citywide	\$150		\$75	
yes		Automobile	C	Mobility	SE Oak Street/Highway 224	Add left turn-lanes and protected signal phasing on SE Oak Street approaches	Location specific	Location specific	\$20			\$20

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										10-20% match	50% match	100% City
yes	5059	Pedestrian	C	Bike/Ped	King Road	Partial Boulevard project - sidewalk widening, crossing improvements	SE 43rd Avenue	Linwood	\$500	\$100		
yes		Automobile	C	Safety	Neighborhood Traffic Projects	Small traffic calming and safety improvements.	Citywide	Citywide	\$300			\$300
no		Automobile/Freight	C	Mobility	Highway 224/37 th Avenue	Consolidate the two northern legs of SE 37 th Avenue and SE Industrial Way into one leg.	Location specific	Location specific	\$1,946			
no	5040	Bicycle	C	Bike/Ped	SE Railroad Avenue	Fill in gaps in existing bicycle network with bike lanes.	SE 37 th Avenue	SE Linwood Avenue	\$4,364			
yes		Automobile/Freight	C	Mobility	Highway 224/Highway 99E (SE McLoughlin Boulevard)	Refinement Plan to determine appropriate improvements for the future.	ORE 99E Project Limits: SE Tacoma Street to SE 17th Avenue	ORE 224 Project Limits: ORE 99E to SE Lake Road Interchange	\$250	\$75		
no		Parking	O	Operations	Downtown parking enforcement	Parking management system and staffing.	Downtown zones		\$40			
no		Automobile	C	Mobility	SE Linwood Avenue	Widen SE Linwood Avenue to standard three lane cross section. Widen bridge over Johnson Creek.	SE Johnson Creek Boulevard	SE King Road	\$8,000			
no		Automobile	C	Mobility	SE Linwood Avenue	Widen SE Linwood Avenue to standard three lane cross section	SE King Road	SE Harmony Road	\$8,000			
no		Freight	C	Mobility	SE Harrison Street/Union Pacific Railroad	Upgrade crossing to grade separated facility	Location specific	Location specific	28000			
no		Bicycle	C	Bike/Ped	SE Washington Street/SE Oak Street/Hwy 224	Improve safety of crossing at intersection.	Location specific	Location specific	\$10			
no		Automobile / Pedestrian	C	Safety	Railroad Crossing Safety and Quiet Zone project	Railroad crossing safety project at SE Oak Street, Harrison Street, and 37th Avenue.	Location specific	Location specific	\$285	\$75		
no		Freight	C	Mobility	SE Harmony Road/Union Pacific Railroad Crossing	Upgrade crossing to grade separated facility. Outcome of alignment and geometry is dependant on current Harmony Road Environmental Assessment project.	Location specific	Location specific	\$500			
											TOTAL COST OF FUNDED PROJECTS:	

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										10-20% match	50% match	100% City	
										\$5,087	\$225	\$1,835	\$7,147
MEDIUM PRIORITY PROJECTS													
	5043	Bicycle	C	Bike/Ped	Stanley Bike Blvd	Bicycle blvd improvements			\$300				
		Bicycle	C	Bike/Ped	SE 19 th Avenue and SE Sparrow Street	Enhance corridor for bicycle travel. This would connect the south end of Kellogg Creek Trail to SE River Road	SE Eagle Street	SE River Road	\$737				
		Pedestrian	C		Franklin Street	Sidewalks to connect to Hector Cambell	42nd	45th	\$200				
		Freight	C	Accessibility	SE Main Street/SE Mailwell Drive	Upgrade intersection turning radii to better accommodate freight movements	Location specific	Location specific	\$50				
	5049	Pedestrian	C	Bike/Ped	SE McLoughlin Boulevard	Fill in sidewalk gaps on both sides of street.	SE Washington Street	City limits	\$596				
		Parking	C	Public Information	Downtown parking wayfinding and identification signage	McLoughlin intersections, public parking lots	Downtown zones		\$10				
		Freight	C	Preservation	SE Harrison Street/Union Pacific Railroad (Tilamook Branch)	Upgrade paving materials to concrete or rubberized material to improve the longevity of the crossing and enhance the crossing for alternative modes.	Location specific	Location specific	\$50				
		Freight	C	Preservation	SE 21st & Adams Street	Upgrade paving materials to concrete or rubberized material to improve the longevity of the crossing and enhance the crossing for alternative modes.	Location specific	Location specific	\$50				
		Freight	C	Preservation	SE Monroe Street/Union Pacific Railroad (Tilamook Branch)	Upgrade paving materials to concrete or rubberized material to improve the longevity of the crossing and enhance the crossing for alternative modes.	Location specific	Location specific	\$50				
		Freight	C	Preservation	SE Washington Street/Union Pacific Railroad (Tilamook Branch)	Upgrade paving materials to concrete or rubberized material to improve the longevity of the crossing and enhance the crossing for alternative modes.	Location specific	Location specific	\$50				

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										10-20% match	50% match	100% City
		Freight	C	Preservation	SE Oak Street/Union Pacific Railroad (Main Line)	Upgrade paving materials to concrete or rubberized material to improve the longevity of the crossing and enhance the crossing for alternative modes.	Location specific	Location specific	\$50			
		Freight	C	Preservation	SE 37 th Avenue/Union Pacific Railroad (Tilamook Branch)	Upgrade paving materials to concrete or rubberized material to improve the longevity of the crossing and enhance the crossing for alternative modes.	Location specific	Location specific	\$50			
		Pedestrian/ Transit	C	Bike/Ped/Transit	Pedestrian Amenities along routes	Install amenities, such as benches, and similar improvements along key walking routes	Citywide	Citywide	\$50			
		Bicycle	C	Bike/Ped	SE Main Street N/S Bike route	Construct Bike Lanes along Se Main Street	Harrison	Moore	\$2,131			
		Automobile	C	Operations	SE 17th Avenue/SE McLoughlin Boulevard	Prohibit left turn movement from SE 17 th Avenue to northbound SE McLoughlin Blvd and include in Refinement Plan	Location specific	Location specific	\$15			
		Automobile	C	Operations	42 nd Avenue/Harrison St	Signalization of intersection	Location specific	Location specific	\$252			
		Automobile	C	Mobility	River Road/SE McLoughlin Boulevard	Consolidate a single access point for the area at SE Bluebird Road with full intersection treatment and signalization; or Add second NB Left-turn lane at SE River Road	Location specific	Location specific	\$898			
		Pedestrian	O	Public Information	Identify walkways	Provide maps and signage on streets to identify ways to get through the city	Citywide	Citywide	\$10			
		Pedestrian	O	Safety	Police enforcement on automobiles	Enforcement of speeding violations, including photo radar, to make the streets generally safer; Enforcement of laws related to pedestrian crossings and crosswalks	Citywide	Citywide	\$10			
		Parking	C	Downtown	Upgrade and maintain off-street public parking facilities	Improve landscaping and lighting at public parking lots.	Downtown zones		\$50			
		Bicycle	O	Public Information	Citywide	Coordination of community rides to encourage bike use.	Citywide	Citywide	\$5			
		Automobile	C	Mobility	SE Harrison/Highway 224	Add left turn-lanes and protected signal phasing on SE Harrison Street approaches	Location specific	Location specific	\$20			

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										10-20% match	50% match	100% City
		Bicycle	O	Public Information	Citywide	Education for bike use and route selection	Citywide	Citywide	\$10			
	5050	Bicycle	C	Bike/Ped	SE Harrison Street	Fill in gaps in existing bicycle network with bike lanes.	Hwy 99E	SE 21 st Avenue	\$273			
		Automobile	C	Mobility	Linwood Avenue/King Road	Implement protected/permissive left turn phasing for northbound and southbound approaches	Location specific	Location specific	\$16			
		Automobile	C	Mobility	SE Harrison Street/SE King Road Connection	Enhance connection between SE King Road to SE Harrison Street	SE King Road	SE Harrison Street	\$53			
		Bicycle	C	Bike/Ped	Springwater Corridor	Improve corridor through repaving	"Three Bridges" area	SE 82 nd Avenue	\$2,889			
	5044	Automobile	C	Mobility	SE Lake Road	Capacity improvement project to upgrade SE Lake Road to a three-lane arterial cross section standard	SE 21st Avenue	SE Oatfield Road	\$7,392			
		Automobile	C	Mobility	SE Harrison Street	Capacity improvement project to upgrade SE Harrison Street to a three-lane arterial cross section standard	SE 32nd Street	SE 42nd Street	\$2,565			
		Automobile	C	Mobility	Johnson Creek Boulevard	Replace 3-way stops with signals	SE 36th Avenue	SE 42 nd Avenue	\$50			
		Automobile	C	Mobility	Johnson Creek Boulevard/Linwood Avenue	Add eastbound right turn, add westbound right turn	Location specific	Location specific	\$803			
		Automobile	C	Mobility	Harrison Street/Main Street	Add westbound shared through/right turn lane; or Add eastbound right turn lane	Location specific	Location specific	\$34			
	5041	Pedestrian	C	Bike/Ped	SE 37th Avenue	Fill in sidewalk gaps on both sides of street.	SE Lake Road	SE Harrison Street	\$794			
		Parking	C	Downtown	Public parking structure	3-4 story public parking structure with retail at ground floor for visitor/employee parking.	Location specific		\$10,000			
		Pedestrian	C	Operations	SE 43 rd Avenue/SE King Road	Intersection enhancements	Location specific	Location specific	\$15			
		Pedestrian	C	Bike/Ped	SE Brookside Drive	Fill in sidewalk gaps on both sides of street.	SE Johnson Creek Boulevard	SE Regents Drive	\$15			
	5037	Pedestrian	C	Bike/Ped	SE Lake Road	Fill in sidewalk gaps on both sides of street.	Kuehn	Hwy 224	\$2,049			
LOW PRIORITY PROJECTS												
		Automobile	C	Safety	SE Harrison Street Rail Crossing	Railroad crossing safety project at SE Harrison Street	Location specific	Location specific	\$50			
		Automobile	C	Safety	SE 37th Avenue Rail Crossing	Railroad crossing safety project at SE 37th Avenue	Location specific	Location specific	\$50			

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		Pedestrian		Bike/Ped	Ochoco	Sidewalks to connect bus stops to Goodwill	SE 19th	McLoughlin	\$\$\$			
		Bicycle		Bike/Ped	Kronberg Park Trail (along Kellogg Creek)	Multimodal trail along Kellogg Creek	McLoughlin		\$			
		Bicycle	C	Bike/Ped	SE 45th /Springwater Corridor	Improve safety of crossing at intersection.	Location specific	Location specific	\$10			
		Pedestrian	C	Bike/Ped	SE 19th Avenue	Fill in sidewalk gaps on both sides of street.	SE Eagle Street	SE Sparrow Street	\$305			
		Pedestrian	C	Bike/Ped	SE 22nd Avenue	Fill in sidewalk gaps on both sides of street.	Hwy 99E	SE Sparrow Street	\$325			
		Pedestrian	C	Bike/Ped	SE 43rd Avenue	Fill in sidewalk gaps on both sides of street.	SE Olsen Street	SE King Road	\$550			
		Pedestrian	C	Bike/Ped	SE Edison Street	Fill in sidewalk gaps on both sides of street.	SE 35th Avenue	SE 37th Avenue	\$116			
		Pedestrian	C	Bike/Ped	SE Harmony Road	Fill in sidewalk gaps on both sides of street.	SE Linwood Avenue	City limits	\$38			
		Pedestrian	C	Bike/Ped	SE Harvey Street	Fill in sidewalk gaps on both sides of street.	SE 32nd Avenue	SE 42nd Avenue	\$534			
		Pedestrian	C	Bike/Ped	SE Home Avenue	Fill in sidewalk gaps on both sides of street.	SE Railroad Avenue	SE King Road	\$756			
		Pedestrian	C	Bike/Ped	SE International Way	Fill in sidewalk gaps on both sides of street.	SE Mallard Way	SE Lake Road	\$767			
		Pedestrian	C	Bike/Ped	SE Johnson Creek Boulevard	Fill in sidewalk gaps on both sides of street.	SE Harney Drive	City limits	\$378			
	5057	Pedestrian	C	Bike/Ped	SE Linwood Avenue	Fill in sidewalk gaps on both sides of street.	SE Johnson Creek Boulevard	SE Railroad Avenue	\$2,960			
		Pedestrian	C	Bike/Ped	SE Mason Lane	Fill in sidewalk gaps on both sides of street.	SE 42nd Avenue	SE Regents Drive	\$671			
		Pedestrian	C	Bike/Ped	SE Oatfield Road	Fill in sidewalk gaps on both sides of street.	SE Guilford Court	City Limits	\$132			
		Pedestrian	C	Bike/Ped	SE Regents Drive	Fill in sidewalk gaps on both sides of street.	SE Brookside Drive	SE Winsor Drive	\$494			
		Pedestrian	C	Bike/Ped	SE River Road	Fill in sidewalk gaps on both sides of street.	Hwy 99E	SE Lark Street	\$626			
		Pedestrian	C	Bike/Ped	SE Roswell Street	Fill in sidewalk gaps on both sides of street.	SE 32nd Avenue	SE 36th Avenue	\$192			
		Pedestrian	C	Bike/Ped	SE Rusk Road	Fill in sidewalk gaps on both sides of street.	SE Lake Road	North Clackamas Park	\$662			

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										10-20% match	50% match	100% City
		Pedestrian	C	Bike/Ped	SE Olsen Street	Fill in sidewalk gaps on north side of street.	SE 32nd Avenue	SE 43rd Avenue	\$432			
		Pedestrian	C	Bike/Ped	Intersections throughout the City	Install curb ramps at all intersections with sidewalks	Citywide	Citywide	\$5			
		Pedestrian	C	Bike/Ped	SE 37th Avenue/Hwy 224	Intersection enhancements	Location specific	Location specific	\$20			
		Pedestrian	C	Bike/Ped	SE Freeman Way/Hwy 224	Intersection enhancements	Location specific	Location specific	\$20			
		Pedestrian	C	Bike/Ped	SE Harmony Road/SE Lake Road	Intersection enhancements	Location specific	Location specific	\$15			
		Pedestrian	C	Bike/Ped	SE Harrison Street/Hwy 224	Intersection enhancements	Location specific	Location specific	\$20			
		Pedestrian	C	Bike/Ped	SE Monroe Street/Hwy 224	Intersection enhancements	Location specific	Location specific	\$15			
		Pedestrian	C	Bike/Ped	Hwy 224	Fill in sidewalk gaps on both sides of street.	SE Oak Street	SE 37th Avenue	\$420			
		Pedestrian	C	Bike/Ped	SE Oak Street/Hwy 224	Intersection enhancements	Location specific	Location specific	\$20			
		Pedestrian	C	Bike/Ped	SE Olsen Street/SE 42nd Avenue	Intersection enhancements	Location specific	Location specific	\$20			
		Pedestrian	C	Bike/Ped	SE Railroad Avenue/SE 37 th Avenue	Intersection enhancements	Location specific	Location specific	\$10			
		Pedestrian	C	Bike/Ped	North Clackamas Park	Provide sidewalks to connect park to school.	North Clackamas Park	Rowe Middle School	\$1,284			
		Pedestrian	C	Bike/Ped	SE Stanley Avenue/SE Logus Road	Intersection enhancements	Location specific	Location specific	\$15			
		Pedestrian	C	Bike/Ped	Improved Ramp at Springwater Trail/SE McLoughlin Boulevard	Intersection enhancements	Location specific	Location specific	\$15			
		Pedestrian	C	Bike/Ped	SE 49th Avenue	Fill in sidewalk gaps on both sides of street.	SE Logus Road	SE King Road	\$250			
		Pedestrian	O	Safety	Police enforcement on pedestrians	Enforce laws related to pedestrians and street crossings	Citywide	Citywide	\$10			
		Pedestrian	O	Public Information	Improved Education	Educate general public about pedestrian safety; Inform general public about traffic laws related to pedestrians	Citywide	Citywide	\$10			
		Freight	C	Accessibility	SE 17 th Avenue/Hwy 224	Upgrade intersection turning radii to better accommodate freight movements	Location specific	Location specific	\$50			

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										10-20% match	50% match	100% City
		Freight			Mailwell & Omark	Upgrade intersection turning radii to better accommodate freight movements	Location specific	Location specific	\$50			
		Bicycle	C	Bike/Ped	Bicycle Overpass	Fill in gaps in existing bicycle network with bike lanes.	SE Railroad Avenue	SE International Way	\$2,025			
		Bicycle	O	Bike/Ped	Citywide	Bike friendly street grate design and installation	Citywide	Citywide	\$50			
		Bicycle	O	Public Information	Citywide	Production and updating of a Milwaukie Bike Map	Citywide	Citywide	\$50			
		Bicycle	C	Public Information	Trolley Trail	Design/Plan and implement signage	Milwaukie Riverfront	South to city limits	\$54			
		Bicycle	C	Bike/Ped	SE Johnson Creek Boulevard/SE Linwood Avenue	Improve safety of crossing at intersection.	Location specific	Location specific	\$10			
		Bicycle	C	Bike/Ped	SE Linwood Avenue/SE King Road	Improve safety of crossing at intersection.	Location specific	Location specific	\$10			
	5037	Bicycle	C	Bike/Ped	SE Lake Road	Fill in gaps in existing bicycle network with bike lanes.	SE Main Street	SE Guilford Drive	\$3,142			
	5050	Bicycle	C	Bike/Ped	SE Harrison Street	Fill in gaps in existing bicycle network with bike lanes.	Hwy 224	SE 42 nd Avenue	\$13			
		Bicycle	C	Bike/Ped	SE Linwood Avenue/SE Harmony Road	Improve safety of crossing at intersection.	Location specific	Location specific	\$10			
		Bicycle	C	Bike/Ped	SE International Way/SE Lake Road	Improve safety of crossing at intersection.	Location specific	Location specific	\$10			
		Bicycle	C	Bike/Ped	SE 37 th Avenue	Fill in gaps in existing bicycle network with bike lanes.	SE Harrison Street	Hwy 224	\$2,900			
		Bicycle	C	Bike/Ped	SE 43 rd Avenue	Fill in gaps in existing bicycle network with bike lanes.	SE King Road	SE Filbert Street	\$1,014			
		Bicycle	O	Safety	Citywide	Enhanced enforcement	Citywide	Citywide	\$10			
		Bicycle	O	Bike/Ped	Citywide	Re-striping of existing bike facilities	Citywide	Citywide	\$20			
		Bicycle	O	Public Information	Citywide	Signage for Springwater Corridor	Citywide	Citywide	\$15			
		Bicycle	C	Bike/Ped	SE Oatfield Road	Fill in gaps in existing bicycle network with bike lanes.	SE Guilford Court	SE Lake Road	\$348			
		Bicycle	C	Bike/Ped	Kellogg Creek Trail	Improve connection of corridor	Milwaukie Riverfront	Treatment Plant	\$623			
		Bicycle	C	Bike/Ped	SE Linwood Avenue	Fill in gaps in existing bicycle network with bike lanes.	SE Queen Road	SE Johnson Creek Blvd	\$1,692			
		Bicycle	C	Bike/Ped	SE Linwood Avenue/SE Monroe Street	Improve safety of crossing at intersection.	Location specific	Location specific	\$10			
		Bicycle	C	Bike/Ped	SE Adams Street/SE 21 st Avenue/Railroad crossing	Improve safety of crossing at intersection.	Location specific	Location specific	\$10			

Milwaukie TSP Action Plan Project List

On Local Action Plan (Fiscally Constrained Project List)	2004 RTP Project #	Working Group	Type	Project Type	Project Name	Improvement	From	To	Estimated Cost (\$1,000s)	Direct and Leveraged Funding		
										10-20% match	50% match	100% City
		Bicycle	C	Bike/Ped	SE Linwood Avenue	Fill in gaps in existing bicycle network with bike lanes.	SE Juniper Street	SE Harmony Road	\$296			
		Bicycle	C	Bike/Ped	SE Rusk Road	Fill in gaps in existing bicycle network with bike lanes.	SE Lake Road	North Clackamas Park	\$936			
		Automobile	C	Mobility	SE Freeman Way/Highway 224	Intersection improvement/modify access	Location specific	Location specific	\$1,313			
		Automobile	C	Mobility	SE Linwood Avenue Connectivity	Enhance connection along SE Linwood Avenue at SE King Road	Location specific	Location specific	\$53			
		Automobile	C	Safety	SE Linwood Avenue Connectivity	Enhance connection along SE Linwood Avenue at SE Monroe Street	Location specific	Location specific	\$53			
		Automobile	C	Mobility	Linwood Avenue/Harmony Road/Lake Road	Grade separate Harmony Road from Union Pacific Railroad and align Harmony Road as a through east west movement.	Location specific	Location specific	\$20,000			