

TRANSPORTATION ADVISORY COMMISSION

AGENDA

Tuesday, January 23, 2024, 5:30 p.m.

This meeting includes in-person and virtual participation.

Santiam Room, City Hall

333 Broadalbin Street SW

Or join the meeting here:

https://council.cityofalbany.net/groups/tac/zoom

You can use your microphone or dial in using your phone. Phone: 1 (253) 215-8782 (Long distance charges may apply)

Meeting ID: 825 1857 5813; Passcode: 053593

Please help us get Albany's work done.

Be respectful and refer to the rules of conduct posted by the main door to the Chambers and on the website.

- 1. Call to order
- 2. Roll call
- 3. Approval of November 28, 2023, and January 8, 2024, minutes
- 4. Scheduled Business
 - a. Election of Chair and Vice-Chair (5 minutes)
 - b. Fulton Street Stop Sign Request (10-minutes)
 - c. Highway 20 Corridor Study Presentation Recap (5-minutes)
 - d. Waverly/Columbus Speed Zone Study
 - e. Continuation of Street Funding Discussion (35-minutes)
- 5. Business from the Commission
- 6. Business from the Public

Persons wanting to provide comments may:

- 1- Email written comments to Andrew Monaco, <u>Andrew.Monaco@cityofalbany.net</u>, including your name, before **noon on day of meeting.**
- 2- To comment virtually during the meeting, register with your name by emailing Andrew Monaco, <u>Andrew.Monaco@cityofalbany.net</u> before **noon on day of meeting**. The chair will call upon those who have registered to speak.
- 3- Appear in person at the meeting and register to speak using the sign-up sheet on the table.
- 7. Next Meeting Date: February 27, 2024
- 8. Adjournment

This meeting is accessible to the public via video connection. The location for in-person attendance is accessible to people with disabilities. If you have a disability that requires accommodation, please notify city staff at least 48 hours in advance of the meeting at Andrew.Monaco@cityofalbany.net or 541-917-7656.

Testimony provided at the meeting is part of the public record. Meetings are recorded, capturing both in-person and virtual participation, and are posted on the City website.





TRANSPORTATION ADVISORY COMMISSION

MINUTES

November 28, 2023 5:30 p.m. Santiam Room, City Hall/Virtual Approved: DRAFT

Call to Order 5:30 p.m.

Chair Chuck Kratch called the meeting to order at 5:30 p.m.

Roll Call

Members present: Chuck Kratch, Mark Siddall, Frankie McCullough, Nolan Streitberger, Terry

Virnig and Lacy Ramirez

Members absent: Kristen Andrews (excused)

Staff present: City Engineer Staci Belcastro, Transportation Manager Robb Romeo,

Transportation Systems Analyst Ron Irish, Engineering Associate I Andrew

Monaco, Public Works Clerk III Anita Dodd

Others present: Billy McGregor, AAMPO

Approval of October 24, 2023, Minutes

5:32 p.m.

After some discussion, Frankie McCullough made a motion to approve the minutes as presented; Chuck Kratch seconded the motion; and the motion passed unanimously.

Scheduled Business 5:32 p.m.

Transportation Systems Analyst Ron Irish started off by addressing an email that came in from a local citizen about possibly moving a stop sign or installing a speed hump in the Fulton Street/4th Avenue area to help with traffic control. The commission discussed the options to help resolve the issue and requested that Irish collect speed hump/ stop sign data and present the information at the January TAC meeting.

Next, Irish discussed the potential Rectangular Rapid Flashing Beacons (RRFB) pedestrian crossing improvement sites and the possible ways the city can raise funds to move forward with installing those units based on priority level. The commission rationalized the data revolving around the effectiveness of RRFB crosswalks and the cost. Kratch proposed Irish take the commission on a road trip to the proposed RRFB sites to help visualize why a special crosswalk is needed in these areas, and Irish said he will try to arrange for this to happen sometime in the first half of January.

Public Works Director Chris Bailey gave a brief presentation to inform how much it will cost to improve the streets to a satisfactory level and gave examples of alternative pavement funding options along with the

November 28, 2023

pros and cons of each. This presentation will also be given at the December 11, 2023, council work session to create a strategy for a comprehensive plan moving forward.

Business from Commission

6:55 p.m.

Mark Siddall presented a letter to the commission that they agreed to discuss further at the January meeting.

Business from the Public

7:01 p.m.

None.

Next Meeting Date

The next scheduled meeting is January 23, 2024.

<u>Adjournment</u>

Seeing no further business, the chair adjourned the meeting at 7:01p.m.

Respectfully submitted,

Reviewed by,

Anita Dodd Clerk III Ron Irish

Transportation Systems Analyst

*Documents discussed at the meeting that are not in the agenda packet are archived in the record. The documents are available by emailing <u>cityclerk@cityofalbany.net</u>.

ALBANY CITY COUNCIL



MINUTES

Tuesday, January 8, 2024 Special Session Council Chambers, City Hall

Approved: DRAFT

Call to Order

Mayor Alex Johnson II called the meeting to order at 4:00 p.m.

Roll Call

Councilors present: Mayor Alex Johnson II and Councilors Steph Newton, Matilda Novak, Ray

Kopczynski, Ramycia McGhee, and Marilyn Smith

Councilors absent: Councilor Jackie Montague (excused)

Commissioners present: Lacy Ramirez (virtual), Mark Siddall, Frankie McCullough, Nolan Streitberger,

Chuck Kratch

Commissioners absent: Terry Virnig

Highway 20 corridor study

Engineering Manager/Assistant City Engineer Rob Emmons introduced Scott Mansur and Aaron Berger from DKS Associates, who presented slides* with proposed improvements to the Highway 20 corridor that would decrease traffic congestion. Mansur and Berger answered clarifying questions from councilors and commissioners and showed simulations forecasting future traffic both with and without the changes. These simulations can be found in the video recording of the meeting.

Business from the council and commission

Chair of the Transportation Advisory Commission (TAC) Chuck Kratch thanked the council for inviting the commission to join this work session and relayed to councilors the upcoming work of the TAC. Kratch said the TAC had asked representatives from rail and bus lines, the Albany Area Metropolitan Planning Organization, and the Oregon Department of Transportation to present to the TAC. Commissioners Frankie McCollough and Nolan Streitberger also thanked the council for the invitation to attend.

Commissioner Mark Siddall said Albany needs to optimize transit and invest in mass transit systems.

ADJOURNMENT

There being no other business, the meeting was adjourned at 5:15 p.m.

Respectfully submitted, Reviewed by,

Gabe Shepherd Peter Troedsson
Deputy City Clerk City Manager

cityofalbany.net/council





INTEROFFICE MEMO

Region 2 Traffic Operations Engineer

TO: Angela Kargel, P.E.

Interim State Traffic-Roadway Engineer for Speed Zoning

FROM: Dorothy Upton, P.E.

Interim Region 2 Traffic Operations Engineer

(503) 986-5761

SUBJECT: Speed Zone Investigation #13832

Waverly Drive SE / Columbus Street SE

Salem Avenue SE to 0.10 mile south of Ellingson Road SE

City of Albany

A speed zone investigation has been conducted on Waverly Drive SE / Columbus Street SE from Salem Avenue SE to 0.10 mile south of Ellingson Road SE. The investigation was requested by Ron Irish, Transportation Systems Analyst, City of Albany. This section is currently statutory 55 mph. The city is requesting 25 mph (Section A) / 35 mph (B) / 40 mph (C). Stated the reason of "Combination of residential and commercial uses along an arterial street that has been posted for 25 mph for decades without a speed zone order" for Section A. Stated the reason of "The existing 40 mph limit doesn't fit the context of the adjoining land uses, driveway/intersection spacing, and uncontrolled ped crossings" for Section B. Stated the reason of "Jurisdictional change, annexation of adjoining land to west, and construction of urban improvements for a residential subdivision" for Section C.

The first investigated section (Section A) is 0.54 mile in length and heavy residential in density and culture, with a urban mix context and has an ADT of 12,000. This road is classified as a Urban Minor Arterial (City – Albany, County – Linn). Two spot speed checks showed the cumulative 85% speed to be 32 mph and the cumulative 50% speed to be 28 mph. Eighty-eight percent of the cars are traveling within the pace limits of 24 - 33 mph. Seventy-nine percent of the cars are exceeding the existing 25 mph posted speed. There were 65 reported crashes between 01/01/19 and 12/31/21, with one fatal and one being Inj A. This section is posted 25 mph and unestablished, it does not meet the statutory definitions of a residence district as it is functionally classified as an arterial roadway.

The second investigated section (Section B) is 2.76 miles in length and heavy residential in density and culture, with a suburban commercial context and has an ADT of 22,000. This road is classified as a Urban Minor Arterial (City – Albany, County – Linn). Five spot speed checks showed the cumulative 85% speed to be 43 mph and the cumulative 50% speed to be 37 mph. Seventy percent of the cars are traveling within the pace limits of 33 - 42 mph. Thirty percent of the cars are exceeding the existing 40 mph posted speed. There were 110 reported crashes between 01/01/19 and 12/31/21, with one fatal and four being Inj A.

Speed Zone Investigation #13832
Waverly Drive SE / Columbus Street SE
Salem Avenue SE to 0.10 mile south of Ellingson Road SE
City of Albany
(page 2)

The third investigated section (Section C) is 0.51 miles in length and moderate residential in density and culture, with a suburban fringe context and has an ADT of 6,000. This road is classified as a Urban Minor Arterial (City – Albany, County – Linn). One spot speed check showed the 85% speed to be 58 mph and the 50% speed to be 52 mph. Seventy percent of the cars are traveling within the pace limits of 48 - 57 mph. Twenty-nine percent of the cars are exceeding the existing 55 mph posted speed. There were 6 reported crashes between 01/01/19 and 12/31/21, with one being Inj A.

While conducting this investigation it was determined that SSCB Order 2525 dated June 25, 1975 should have been rescinded when SZRP Delegated Order 1088D dated August 21, 1995 was established. Looking at investigation #1940 (dated July 5, 1995), the section(s) on SSCB Order 2525 was covered on the new order (SZRP Delegated Order 1088D).

Our recommendation is based on requested speed, culture, context, and crash rate; we are recommending to establish the speeds as described in the following sections. 25 mph for Section A under OAR 734-020-0015 (2)(b) – Based on context. 35 mph for Section B under OAR 734-020-0015 (2)(d) – The 50th percentile speed is 35 or greater. 50 mph for Section C under OAR 734-020-0015 (2)(d) – The 50th percentile speed is 35 or greater.

If you concur with this recommendation, please note your concurrence on the attached report.

DU/WR

OREGON DEPARTMENT OF TRANSPORTATION

Report of Speed Zone Investigation

WAVERLY DRIVE SE / COLUMBUS STREET SE

Salem Avenue SE to 0.10 mile south of Ellingson Road SE City of Albany January 10, 2024

Approved by
State Traffic-Roadway Engineer

Recommendation: Rescind existing SZRP Delegated Order 1088D dated August 21, 1995 and SSCB

Order 2525 dated June 25, 1975 to establish the following speed zoning.

<u>Secti</u>	<u>on</u>	<u>Existing</u>	Recommended
Inves	<u>tigated</u>		
	On WAVERLY DRIVE SE		
A	From: Salem Avenue SE To: Santiam Highway #016 (US 20)	55 mph (stat.)	25 mph
В	From: Santiam Highway #016 (US 20) To: Cascade Drive	40 mph	35 mph
	On COLUMBUS STREET SE		
В	From: Cascade Drive To: 500 feet south of 54 th Avenue SE (Oak Creek)	40 mph	35 mph
С	From: 500 feet south of 54th Avenue SE (Oak Creek)	55 mph (stat.)	50 mph

Historical Background:

To:

Investigation Requested by: Ron Irish, Transportation Systems Analyst, City of Albany.

0.10 mile south of Ellingson Road SE

Requested Speed: 25 mph / 35 mph.

<u>Previous Action</u>: Existing SZRP Delegated Order 1088D dated August 21, 1995 and SSCB Order 2525 dated June 25, 1975.

Investigation:	Section A	Section B	Section C
Section Length	0.54 mile	2.76 mile	0.51 mile
85% Speed	32 mph	43 mph	58 mph
50% Speed	28 mph	37 mph	52 mph
2019-2021 Section Crash Rate	9.16	1.65	1.79
2022 Average Daily Traffic	12000	22000	6000
Context	Urban Mix	Suburban Comm.	Suburban Fringe
Culture Type & Density	Heavy Residential	Heavy Residential	Moderate Residential
Horizontal Alignment	0 curves	2 curves	0 curves
Vertical Alignment	Level	Level	Level
Curve Signs & Speed Riders	None	None	None
Existing Posted Speed	25 mph	40 mph	55 mph
Recommended Speed	25 mph	35 mph	50 mph

Roadway Data: Surface Lanes Width Parking Shoulders Intersecting Streets Paved Stopped Signalized and Other Pedestrian Activity Bicycle Activity Bicycle Lanes Sidewalks Marked Crosswalks Enhanced Crosswalks Transit	Section A AC 2–3 34'–45' curb to curb Partially Prohibited 0'-7' paved (curb) 6 6 5 1 High High 35% 80% 0 1 Yes	Section B AC / PCC 2–5 50'–70' curb to curb Partially Prohibited 0'-16' paved (curb) 28 28 23 5 High High 90% 100% 2 3 Yes	Section C AC 2-3 31'-46' curb to curb None (curb/ditch) 3'-5' paved (curb/ditch) 2 2 2 0 Low Med 30% 30% 0 0 No
Crash Data: Study Period 19-21 Total Crashes 19-21 Fatal K Crashes 19-21 Serious Injury A Crashes 19-21 Injury B and C Crashes 19-21 No Injury O Crashes 19-21 Section Crash Rate (R) 21 Comparable Crash Rate (r) 1/ Deviation (R-r)	1/1/19–12/31/21 65 1 1 37 26 9.16	1/1/19–12/31/21 110 1 4 56 49 1.65 2.56	1/1/19–12/31/21 6 0 1 3 2 1.79 2.56
Spot Speed Data: 85% Speed 50% Speed Pace Limits 2/ % in Pace Maximum Speed Posted Speed % Exceeding Posted Speed Computed 85% Speed 3/ Recommended Speed	32 mph 28 mph 24 – 33 mph 88% 42 mph 25 mph 79% 25.4 mph 25 mph	43 mph 37 mph 33 – 42 mph 70% 64 mph 40 mph 30% 43 mph 35 mph	58 mph 52 mph 48 – 57 mph 70% 67 mph 55 mph 29% 58 mph 50 mph

- <u>1/</u> <u>2/</u> <u>3/</u> Urban Minor Arterial (City – Albany, County – Linn)
- Ten mile-per-hour range containing the largest number of sample vehicles
- 85% speed minus deviation/85% speed (if Deviation is zero or negative)

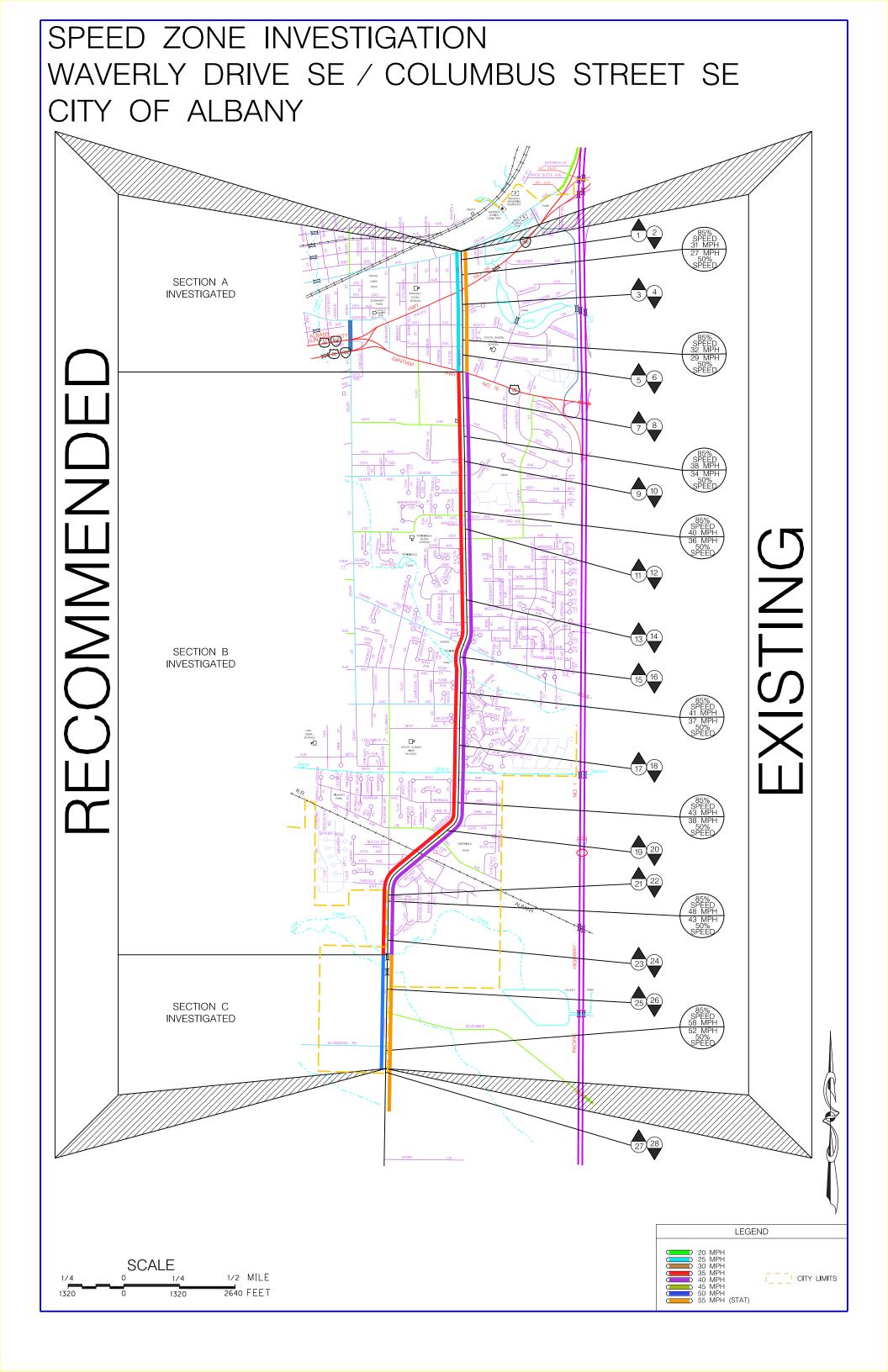
Factors Influencing Recommendation:

Our recommendation is based on requested speed, culture, context, and crash rate.

Section A: OAR 734-020-0015 (2)(b) Based on context.

Section B: OAR 734-020-0015 (2)(d) The 50th percentile speed is 35 or greater.

Section C: OAR 734-020-0015 (2)(d) The 50th percentile speed is 35 or greater.



TYPICAL VIEWS
WAVERLY DRIVE SE
CITY OF ALBANY
JANUARY 4, 2024



1. Looking northbound from 200 feet south of Salem Avenue SE.



2. Looking southbound from 200 feet south of Salem Avenue SE.

TYPICAL VIEWS WAVERLY DRIVE SE CITY OF ALBANY JANUARY 4, 2024



3. Looking northbound from 350 feet south of Albany-Junction City Hwy (99E).



4. Looking northbound from 350 feet south of Albany-Junction City Hwy (99E).

TYPICAL VIEWS WAVERLY DRIVE SE CITY OF ALBANY JANUARY 4, 2024



5. Looking northbound from 200 feet south of 9th Avenue SE.



6. Looking southbound from 200 feet south of 9th Avenue SE.

TYPICAL VIEWS
WAVERLY DRIVE SE
CITY OF ALBANY
JANUARY 4, 2024



7. Looking northbound from 0.11 mile south of Santiam Highway (US 20).



8. Looking southbound from 0.11 mile south of Santiam Highway (US 20).

TYPICAL VIEWS WAVERLY DRIVE SE CITY OF ALBANY JANUARY 4, 2024



9. Looking northbound from 50 feet south of 16th Avenue SE.



10. Looking southbound from 50 feet south of 16th Avenue SE.

TYPICAL VIEWS WAVERLY DRIVE SE CITY OF ALBANY JANUARY 4, 2024



11. Looking northbound from 100 feet south of Waverly Court SE.



12. Looking southbound from 100 feet south of Waverly Court SE.

TYPICAL VIEWS WAVERLY DRIVE SE CITY OF ALBANY JANUARY 4, 2024



13. Looking northbound from 150 feet south of 25th Avenue SE.



14. Looking southbound from 150 feet south of 25th Avenue SE.

TYPICAL VIEWS WAVERLY DRIVE SE CITY OF ALBANY JANUARY 4, 2024



15. Looking northbound from 300 feet south of Grand Prairie Road SE.



16. Looking southbound from 300 feet south of Grand Prairie Road SE.

TYPICAL VIEWS WAVERLY DRIVE SE CITY OF ALBANY JANUARY 4, 2024



17. Looking northbound from 400 feet south of 36th Avenue SE.



Looking southbound from 400 feet south of 36th Avenue SE.

18.

TYPICAL VIEWS WAVERLY DRIVE SE CITY OF ALBANY JANUARY 4, 2024



19. Looking northbound from 250 feet north of Del Rio Avenue SE.



20. Looking southbound from 250 feet north of Del Rio Avenue SE.

TYPICAL VIEWS COLUMBUS STREET SE CITY OF ALBANY JANUARY 4, 2024



21. Looking northbound from 250 feet south of Cascade Drive.



22. Looking southbound from 250 feet south of Cascade Drive.

TYPICAL VIEWS
COLUMBUS STREET SE
CITY OF ALBANY
JANUARY 4, 2024



23. Looking northbound from 150 feet south of 54th Avenue SE.



24. Looking southbound from 150 feet south of 54th Avenue SE.

TYPICAL VIEWS
COLUMBUS STREET SE
CITY OF ALBANY
JANUARY 4, 2024



25. Looking northbound from 0.10 mile north of Seven Mile Lane SE.



26. Looking southbound from 0.10 mile north of Seven Mile Lane SE.

TYPICAL VIEWS
COLUMBUS STREET SE
CITY OF ALBANY
JANUARY 4, 2024



27. Looking northbound from 0.10 mile south of Ellingson Road SE.



Looking southbound from 0.10 mile south of Ellingson Road SE.



Spee		Ave	%	Total	1:00 PM	12:00 PM	11:00 AM	10:00 AM	9:00 AM	8:00 AM	7:00 AM	6:00 AM	5:00 AM	4:00 AM	3:00 AM	2:00 AM	1:00 AM	12:00 AM	12/06/2023	11:00 PM	10:00 PM	9:00 PM	8:00 PM	7:00 PM	6:00 PM	5:00 PM	4:00 PM	3:00 PM	2:00 PM	Ţ	3
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Site: Fulton 12/05/2023 Tuesday

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Monday	12/04/2023	Site: Fulton

Spee		Ave	%	Total	1:00 PM	12:00 PM	11:00 AM	10:00 AM	9:00 AM	8:00 AM	7:00 AM	6:00 AM	5:00 AM	4:00 AM	3:00 AM	2:00 AM	1:00 AM	12/05/2023 12:00 AM	11:00 PM	10:00 PM	9:00 PM	8:00 PM	7:00 PM	6:00 PM	5:00 PM	4:00 PM	3:00 PM	2:00 PM	: ऍ	
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		(6.7%)	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70 - < 200	
				23.8	22.0	22.9	23.5	22.2	21.8	23.4	24.1	25.3	26.7	27.7		32.8		27.2	26.9	25.3	25.1	24.0	25.0	24.4	24.3	24.5	23.0	23.2	Avg.	

Crash Listing

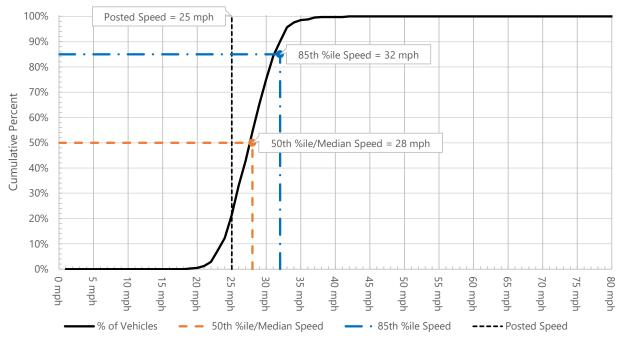
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City Albany					ü.	ak	eni	er		ect									
City Albany County Linn From					et	ert	Ĕ	3		jo				*0			⋖		
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To _0.10 mi S of Ellingson Rd SE				_	<u>e</u>	e (Ν	Ş	S	he	교			Las	es		널	au au	0
Years 2019 To 2021			o	ü	<u>×</u>	Ϋ́	90	90	=	ō	Ę	90		0	sh		S	æ	, n
10 2021		<u>e</u>	皮	Ξ	SS	SSV	nir	Ϋ́	ې	- 6	es	. <u>⇒</u>	er)C	ວິ	=	00	≧	'Ξ'
	Year	Angle	Head-On	Rear-End	Sideswipe Meeting	Sideswipe Overtakin	Turning Movements	Parking Maneuver	Non-Collision	Fixed-Other Object	Pedestrian	Backing	Other	Bicycle Crashes*	All Crashes*	Fatal K	Serious Injury	Injury B and	No Injury O
Section A	2021	4		8		1	7			2					22		1	13	8
From Salem Avenue SE	2020		1	9			5		1		1	1			18	1		8	9
To Santiam Highway #016 (US 20)	2019	5		14		1	3			1		1			25			16	9
	Total	9	1	31	0	2	15	0	1	3	1	2	0	0	65	1	1	37	26
Section B	2021	7		8		1	6			7	1	1			31		3	16	12
From Santiam Highway #016 (US 20)	2020	4		13			15			5	1	1			39	1	1	15	22
To 500 feet south of 54th Avenue SE	2019	8		18		1	11			2					40			25	15
	Total	19	0	39	0	2	32	0	0	14	2	2	0	0	110	1	4	56	49
Section C	2021						1			1		1			3		1	1	1
From 500 feet south of 54th Avenue SE	2020						1								1			1	
To 0.10 mile south of Ellingson Road SE	2019						1					1			2			1	1
	Total	0	0	0	0	0	3	0	0	1	0	2	0	0	6	0	1	3	2
	Total																		
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^{*}Bicycle Crashes are included in other collision types, do not count twice

Spot Speed Measurement Report - Section Summary

Roadway	Waverly Dr SE		Investigation #	13832
City	Albany		Start of First Spot Speed S	Stu October 18, 2023 12:13 PM
County	Linn		End of Last Spot Speed St	ud October 26, 2023 03:09 PM
Location	Combined Section	n A	Weather	See individual reports for specific locations.
Direction o	f Travel	Northbound & Southbound	Investigator	WR (ODOT)

Combined Direction Speed Profile



Summary Statistics (2 Spot Speed Studies)

Direction	Northbound	Combined	Southbound
Total # of Vehicles	208 vehicles	414 vehicles	206 vehicles
85th %ile Speed	32 mph	32 mph	31 mph
50th %ile/Median Speed	28 mph	28 mph	27 mph
Mean Speed	29 mph	28 mph	28 mph
Standard Deviation	3.5 mph	3.3 mph	3.0 mph
Pace Limits*	24 mph - 33 mph	24 mph - 33 mph	23 mph - 32 mph
% In Pace	87%	88%	91%
Max Speed	42 mph	42 mph	37 mph
Posted Speed	25 mph	25 mph	25 mph
% Exceeding Posted Speed	80%	79%	77%

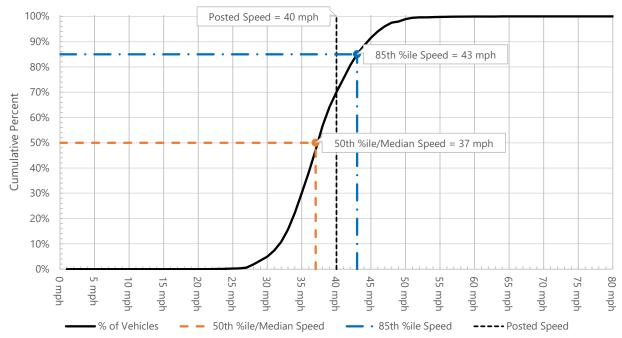
^{*10} mph range containing the largest number of sampled vehicles.

Form Version: Sept. 2023

Spot Speed Measurement Report - Section Summary

Roadway	Waverly Dr SE		Investigation #	13832
City	Albany		Start of First Spot Speed Stu	October 19, 2023 01:29 PM
County	Linn		End of Last Spot Speed Stud	November 09, 2023 02:57 PM
Location	Combined Section	on B	Weather	See individual reports for specific locations.
Direction o	f Travel	Northbound & Southbound	Investigator	WR (ODOT)

Combined Direction Speed Profile



Summary Statistics (5 Spot Speed Studies)

Direction	Northbound	Combined	Southbound
Total # of Vehicles	507 vehicles	1036 vehicles	529 vehicles
85th %ile Speed	43 mph	43 mph	43 mph
50th %ile/Median Speed	37 mph	37 mph	37 mph
Mean Speed	38 mph	38 mph	38 mph
Standard Deviation	5.1 mph	5.0 mph	5.0 mph
Pace Limits*	33 mph - 42 mph	33 mph - 42 mph	33 mph - 42 mph
% In Pace	70%	70%	69%
Max Speed	64 mph	64 mph	56 mph
Posted Speed	40 mph	40 mph	40 mph
% Exceeding Posted Speed	31%	30%	30%

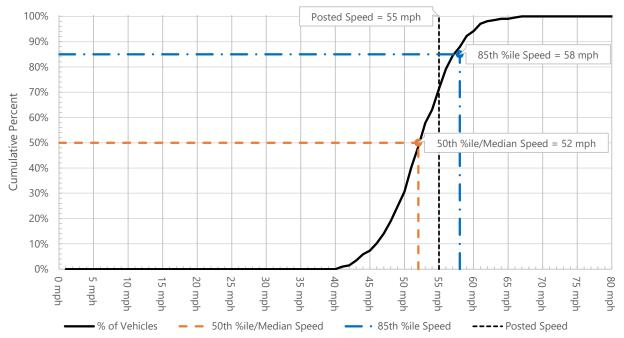
^{*10} mph range containing the largest number of sampled vehicles.

Form Version: Sept. 2023

Spot Speed Measurement Report

Roadway	Waverly Dr SE		Investigation #	13832
City	Albany		Date	December 12, 2023
County	Linn		Time	11:21 AM - 01:19 PM
Location	100 S ELLINGSON	N (Section C)	Weather	SUNNY
Direction of	f Travel	Northbound & Southbound	Investigator	WR (ODOT)

Combined Direction Speed Profile



Summary Statistics

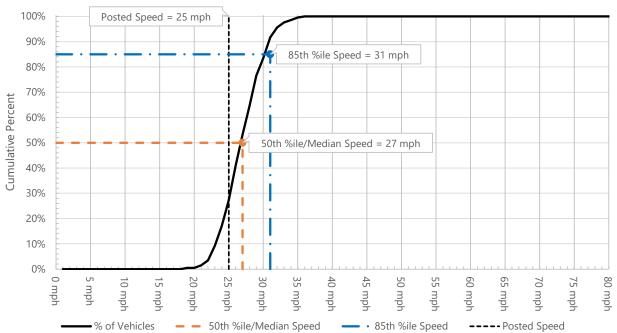
Direction	Northbound	Combined	Southbound
Total # of Vehicles	103 vehicles	206 vehicles	103 vehicles
85th %ile Speed	57 mph	58 mph	59 mph
50th %ile/Median Speed	51 mph	52 mph	53 mph
Mean Speed	52 mph	53 mph	53 mph
Standard Deviation	4.9 mph	4.9 mph	4.7 mph
Pace Limits*	48 mph - 57 mph	48 mph - 57 mph	50 mph - 59 mph
% In Pace	70%	70%	72%
Max Speed	67 mph	67 mph	64 mph
Posted Speed	55 mph	55 mph	55 mph
% Exceeding Posted Speed	24%	29%	33%

^{*10} mph range containing the largest number of sampled vehicles.

Spot Speed Measurement Report

Roadway	Waverly Dr SE		Investigation #	13832
City	Albany		Date	October 18, 2023
County	Linn		Time	12:13 PM - 02:30 PM
Location	350 N OF PACIFIC HWY		Weather	OVERCAST
Direction of	f Travel	Northbound & Southbound	Investigator	WR (ODOT)

Combined Direction Speed Profile



Summary Statistics

Direction	Northbound	Combined	Southbound
Total # of Vehicles	94 vehicles	205 vehicles	111 vehicles
85th %ile Speed	31 mph	31 mph	30 mph
50th %ile/Median Speed	27 mph	27 mph	26 mph
Mean Speed	28 mph	27 mph	27 mph
Standard Deviation	3.2 mph	3.0 mph	2.8 mph
Pace Limits*	23 mph - 32 mph	23 mph - 32 mph	23 mph - 32 mph
% In Pace	88%	92%	95%
Max Speed	35 mph	36 mph	36 mph
Posted Speed	25 mph	25 mph	25 mph
% Exceeding Posted Speed	77%	73%	69%

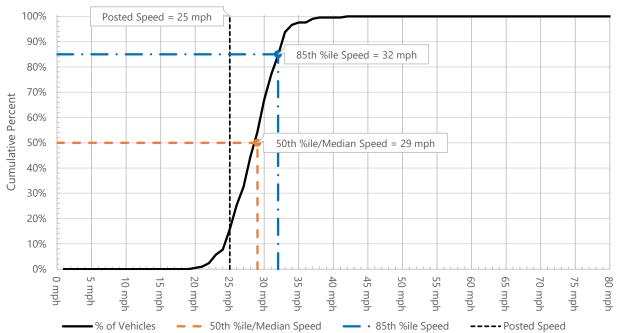
^{*10} mph range containing the largest number of sampled vehicles.

Form Version: Sept. 2023

Spot Speed Measurement Report

Roadway	Waverly Dr SE		Investigation #	13832
City	Albany		Date	October 26, 2023
County	Linn		Time	02:13 PM - 03:09 PM
Location	150 N NINTH ST		Weather	LT CLOUDS
Direction o	f Travel	Southbound & Northbound	Investigator	WR (ODOT)

Combined Direction Speed Profile



Summary Statistics

Direction	Southbound	Combined	Northbound
Total # of Vehicles	95 vehicles	209 vehicles	114 vehicles
85th %ile Speed	32 mph	32 mph	33 mph
50th %ile/Median Speed	28 mph	29 mph	29 mph
Mean Speed	29 mph	29 mph	29 mph
Standard Deviation	3.1 mph	3.4 mph	3.6 mph
Pace Limits*	24 mph - 33 mph	25 mph - 34 mph	25 mph - 34 mph
% In Pace	88%	89%	89%
Max Speed	37 mph	42 mph	42 mph
Posted Speed	25 mph	25 mph	25 mph
% Exceeding Posted Speed	85%	84%	83%

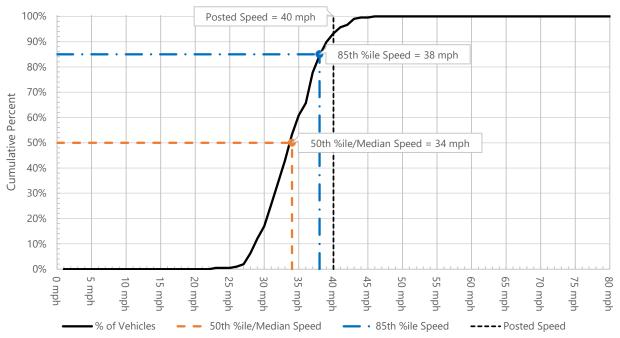
^{*10} mph range containing the largest number of sampled vehicles.

Form Version: Sept. 2023

Spot Speed Measurement Report

Roadway	Waverly Dr SE		Investigation #	13832
City	Albany		Date	October 19, 2023
County	Linn		Time	01:29 PM - 03:18 PM
Location	250 S 14TH AVE		Weather	SUNNY
Direction o	f Travel	Northbound & Southbound	Investigator	WR (ODOT)

Combined Direction Speed Profile



Summary Statistics

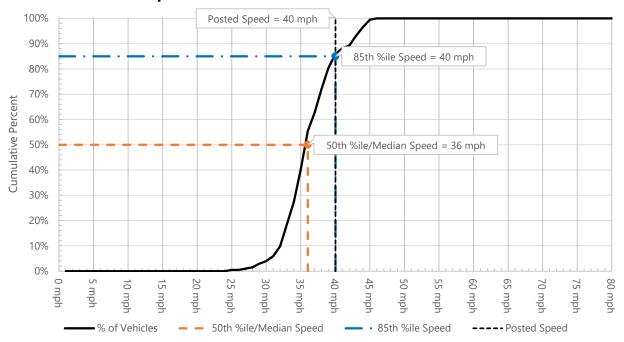
Direction	Northbound	Combined	Southbound
Total # of Vehicles	101 vehicles	207 vehicles	106 vehicles
85th %ile Speed	38 mph	38 mph	39 mph
50th %ile/Median Speed	33 mph	34 mph	34 mph
Mean Speed	34 mph	34 mph	35 mph
Standard Deviation	4.0 mph	4.0 mph	4.1 mph
Pace Limits*	29 mph - 38 mph	29 mph - 38 mph	29 mph - 38 mph
% In Pace	81%	78%	75%
Max Speed	44 mph	46 mph	46 mph
Posted Speed	40 mph	40 mph	40 mph
% Exceeding Posted Speed	5%	7%	8%

^{*10} mph range containing the largest number of sampled vehicles.

Spot Speed Measurement Report

Roadway	Waverly Dr SE		Investigation #	13832
City	Albany		Date	November 08, 2023
County	Linn		Time	12:39 PM - 01:36 PM
Location	100 N SE 20TH AVE		Weather	OVERCAST
Direction of	f Travel	Southbound & Northbound	Investigator	WR (ODOT)

Combined Direction Speed Profile



Summary Statistics

Direction	Southbound	Combined	Northbound
Total # of Vehicles	102 vehicles	204 vehicles	102 vehicles
85th %ile Speed	40 mph	40 mph	42 mph
50th %ile/Median Speed	35 mph	36 mph	36 mph
Mean Speed	36 mph	37 mph	37 mph
Standard Deviation	3.8 mph	3.8 mph	3.7 mph
Pace Limits*	31 mph - 40 mph	32 mph - 41 mph	32 mph - 41 mph
% In Pace	83%	82%	81%
Max Speed	45 mph	46 mph	46 mph
Posted Speed	40 mph	40 mph	40 mph
% Exceeding Posted Speed	11%	14%	18%

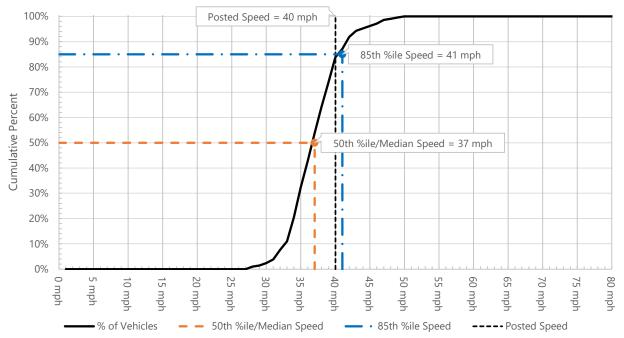
^{*10} mph range containing the largest number of sampled vehicles.

Form Version: Sept. 2023

Spot Speed Measurement Report

Roadway	Waverly Dr SE		Investigation #	13832
City	Albany		Date	November 08, 2023
County	Linn		Time	01:51 PM - 03:05 PM
Location	@ BROOKSIDE AVE SE		Weather	OVERCAST
Direction of	f Travel	Northbound & Southbound	Investigator	WR (ODOT)

Combined Direction Speed Profile



Summary Statistics

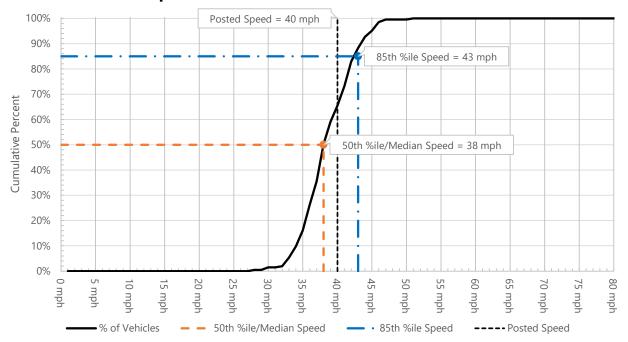
Direction	Northbound	Combined	Southbound
Total # of Vehicles	96 vehicles	210 vehicles	114 vehicles
85th %ile Speed	41 mph	41 mph	41 mph
50th %ile/Median Speed	37 mph	37 mph	36 mph
Mean Speed	38 mph	37 mph	37 mph
Standard Deviation	3.7 mph	3.8 mph	3.8 mph
Pace Limits*	32 mph - 41 mph	33 mph - 42 mph	33 mph - 42 mph
% In Pace	85%	84%	83%
Max Speed	48 mph	50 mph	50 mph
Posted Speed	40 mph	40 mph	40 mph
% Exceeding Posted Speed	16%	16%	17%

^{*10} mph range containing the largest number of sampled vehicles.

Spot Speed Measurement Report

Roadway	Waverly Dr SE		Investigation #	13832
City	Albany		Date	November 09, 2023
County	Linn		Time	11:48 AM - 01:40 PM
Location	@ MORAGA AVE		Weather	OVERCAST
Direction of	f Travel	Southbound & Northbound	Investigator	WR (ODOT)

Combined Direction Speed Profile



Summary Statistics

Direction	Southbound	Combined	Northbound
Total # of Vehicles	100 vehicles	205 vehicles	105 vehicles
85th %ile Speed	42 mph	43 mph	43 mph
50th %ile/Median Speed	38 mph	38 mph	38 mph
Mean Speed	39 mph	39 mph	39 mph
Standard Deviation	3.6 mph	3.7 mph	3.8 mph
Pace Limits*	33 mph - 42 mph	35 mph - 44 mph	35 mph - 44 mph
% In Pace	84%	83%	83%
Max Speed	47 mph	51 mph	51 mph
Posted Speed	40 mph	40 mph	40 mph
% Exceeding Posted Speed	30%	35%	39%

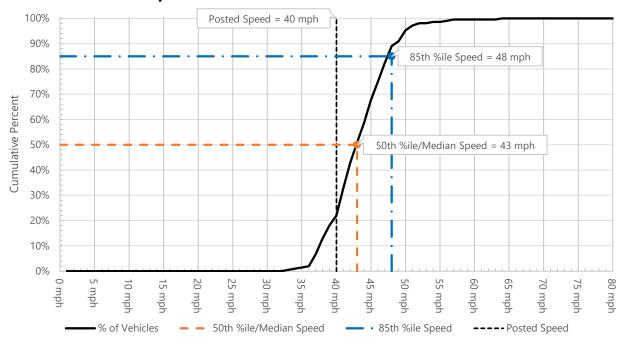
^{*10} mph range containing the largest number of sampled vehicles.

Oregon Department of Transportation

Spot Speed Measurement Report

Roadway Waverly Dr SE		Investigation #	13832		
City	Albany		Date	November 09, 2023	
County	Linn		Time	02:02 PM - 02:57 PM	
Location	0.50 N SEVEN MI	ILE LN	Weather	OVERCAST	
Direction of	f Travel	Southbound & Northbound	Investigator	WR (ODOT)	

Combined Direction Speed Profile



Summary Statistics

Direction	Southbound	Combined	Northbound	
Total # of Vehicles	107 vehicles	210 vehicles	103 vehicles	
85th %ile Speed	48 mph	48 mph	48 mph	
50th %ile/Median Speed	43 mph	43 mph	42 mph	
Mean Speed	44 mph	44 mph	43 mph	
Standard Deviation	3.8 mph	4.4 mph	4.9 mph	
Pace Limits*	39 mph - 48 mph	39 mph - 48 mph	38 mph - 47 mph	
% In Pace	79%	76%	73%	
Max Speed	56 mph	64 mph	64 mph	
Posted Speed	40 mph	40 mph	40 mph	
% Exceeding Posted Speed	82%	78%	74%	

^{*10} mph range containing the largest number of sampled vehicles.

Public Works Department Transportation Discussion













Funding Strategies

Transportation Advisory Commission January 23, 2024

DISCUSSION OUTLINE

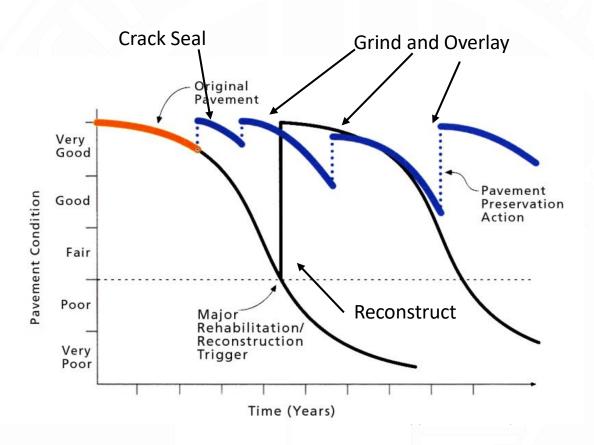
- Pavement Management Goals
 - Defining the target Level of Service for Albany streets
- Translate those goals into revenue need
 - What is the gap in annual funding needed to achieve the Level of Service?
- Possible sources of the needed revenue



All estimates are based on industry standard assumptions for revenue generation potential, cost escalation, and longevity of capital investments

Keeping the Good Pavements Good

- The ideal strategy for pavement management: invest in (relatively) minor maintenance at appropriate intervals
- Only works for streets in good or fair condition
- The overall goal for our pavement management program is to get all streets to this level



Current PCI for Albany Streets

PAVEMENT	ARTERIAL		COLLECTOR		LOCAL	
CONDITION	MILES	PERCENT	MILES	PERCENT	MILES	PERCENT
			Y All			
GOOD (100 TO 80)	4.3	20.1%	10.4	41.1%	54.1	37.8%
FAIR (79 TO 50)	16.7	78.3%	11.7	46.3%	36.8	25.7%
POOR (49 TO 0)	0.3	1.6%	3.2	12.6%	52.3	36.5%
		18		, Jeunna 1		
TOTAL	21.3	100.0%	25.4	100.0%	143.2	100.0%

Current PCI for Albany Streets

PAVEMENT	ARTERIAL		COLLECTOR		LOCAL	
CONDITION	MILES	PERCENT	MILES	PERCENT	MILES	PERCENT
•			Y /	(1/2)		
GOOD (100 TO 80)	4.3	20.1%	10.4	41.1%	54.1	37.8%
FAIR (79 TO 50)	16.7	78.3%	11.7	46.3%	36.8	25.7%
POOR (49 TO 0)	0.3	1.6%	3.2	12.6%	52.3	36.5%
-		18		J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		
TOTAL	21.3	100.0%	25.4	100.0%	143.2	100.0%

Defining the Level of Service

- Level of Service (LOS) is established by the City Council and sets the target or expectation for any given function of the city
- The LOS defines the conditions; staff then calculates what is needed to accomplish that LOS and translates that into a revenue need

LOS Revenue Target Design underlying revenue mechanism

 Current LOS for street condition is in the Strategic Plan; maintain all arterials and collectors at a PCI of 60 or greater and address local streets as resources allow

Funding Strategies – Part One

- Keeping the good streets in good condition
- Annual funding gap for this portion of the plan:
 - \$1 million for good/fair arterial & collector streets
 - \$3 million for good/fair local streets
- Objective is to keep good/fair streets from falling into poor condition
 - When you've dug yourself a hole, first thing to do is stop digging.

Funding Strategies – Part Two

- Restoring failed arterials/collectors
- Not a lot of miles in this category
- Option 1: prepare a bond issuance for these roads
 - Not recommended. The street segments identified for the bond might not generate public support
- Option 2: prioritize existing funding to address these street segments over the next 5-10 years
 - Unlike local streets, there are sources of funding (STBG and SDCs) that can be used to rebuild failed arterials/collectors
 - If the condition of these street segments and others declines further, a bond can be considered when the problem is more ripe

Funding Strategies – Part Three

- Restoring failed local streets
- Total cost to reconstruct all local streets in poor condition: \$331.5M
- Important to implement Part One of this strategy to stop adding to the list of failed local streets
- Requires a dedicated portion of potential new local funding
 - Every \$1M in new annual funding could reconstruct approximately 2.75 blocks of typical local street

Funding Strategies – Proposed Revenue Target

Category of Street Work	Amount Needed Annually
Maintenance of Arterials/Collectors	\$1 million
Maintenance of Locals	\$3 million
Reconstruction of Locals	\$2 million
Total	\$6 million

- All streets in good/fair condition receive slurry seal at appropriate interval
- Arterials/Collectors in good/fair condition receive grind/overlay every 20 years on average
- Local streets in good/fair condition receive grind/overlay every 40 years on average
- Arterials/Collectors in poor condition are reconstructed using other funding sources
- Local streets in poor condition are reconstructed using this proposed funding
- Existing funding sources continue at current levels

Funding Alternative – Franchise Fees

- The General Fund received \$6.1 million in franchise fee revenue in FY 23
- Council can direct all or some franchise fee revenue to the street fund.
 Council could then raise the City Services Fee to offset the loss of franchise fee revenue
 - Arguments for: PW does essentially all of the work related to managing franchise utilities and their impacts; franchise utilities directly use/impact the public ROW, maintenance of which is paid for by the street fund
 - Arguments against: the loss of \$6.1 million to the General Fund would be catastrophic; future Councils could undo this transfer leaving the street fund vulnerable; residential CSF would need to be increased significantly

Funding Alternative – Local Fuel Tax

- Arguments for:
 - Captures revenue from those using Albany streets, including non-residents
 - Could capture revenue from interstate travelers
- Arguments against:
 - Regressive tax
 - No ability to create a low-income or other discount program
 - Any change would require another vote of the public
- Estimated revenue per penny = \$300,000
 - Would require \$0.20 per gallon tax to fully fund proposed revenue target of \$6M/YR
 - 15,000mi/year + 20mi/gal X \$0.20/gal = \$150/year per typical car

Funding Alternative – Transportation Utility

Arguments for:

- All properties pay based on their impact to the street system
- Flexible can be phased-in, adjustments require only council action, can provide low-income discounts
- Can be designed to indirectly capture revenue from nonresidents who use the system
- Arguments against:
 - Would not directly gather revenue from non-residents using our street system
- Rough estimate is that a monthly single residential equivalent charge of \$14.00-18.00 would be required to generate revenue target of \$6M/YR

Recommendations

1996 Mayor's Task Force Recommendations

- Additional funding above existing at that time (including general fund and franchise fees)
 - Implement In Lieu of Franchise Fees for water and sewer
 - Establish a Transportation Utility
 - Issue a series of General Obligation bonds for large capital projects

Current Staff Recommendation

- Establish a Transportation Utility
- Consider General Obligation bonds in the future as conditions change

Conclusions and Discussion

- There are not adequate street funds to fully achieve the PCI goal for arterials/collectors or to prevent the further decay of local streets
- There are only a limited number of options to create ongoing dedicated street funding at the local level
- Staff recommends a revenue target that provides additional funding to fill the gap in arterial/collector maintenance; creates ongoing targeted maintenance for good/fair local streets; and begins to address failed local streets
- The approach will depend on the Council and community priorities and goals; any new funding will require significant public outreach

Conclusions and Discussion

- Staff needs direction:
 - What is the Council's desired Level of Service?
 - For instance, do you want to pursue a different target PCI for arterials/collectors?
 - Do you want to include maintenance of good/fair local streets?
 - Do you want to include restoration of failed local streets?
 - What, if any, change or addition to street funding does the Council want to further explore?
 - Does the Council have specific input on a community outreach effort?
- From the Work Session yesterday:
 - Council supports a LOS that includes addressing local streets with new ongoing revenue
 - They generally would like to pursue either a TUF or fuel tax with the consensus of developing options to implement both

Public Works Department Transportation Discussion













Questions & Discussion













Pavement 101

• TAC September 26, 2023

 Council Work Session October 9, 2023

Funding Overview

• TAC October 24, 2023

 Council Work Session *November 6, 2023*

Funding Alternatives

November 28, 2023 TAC

• Council Work Session December 11, 2023

Funding Strategy

TAC January 23, 2024 **Council Work Session** January 22, 2024

Recommendations

February 20, 2024 TAC **Council Work Session** February 26, 2024

Community Outreach

Current Street Funding Needs Arterials and Collectors

Average Annual Expenditures \$4,000,000*
Current Average Annual Expenditures \$2,500,000
Additional Annual Funding Needed \$1,500,000

- Reconstruct streets in Poor Condition
- Grind and Overlay streets every 20 years on average to keep PCI>50
- Funding from STBG, State Gas Tax, and Water and Sewer ILFF

^{*}This scenario will meet the City Council Strategic Plan Goal of maintaining arterial and collector streets to a minimum PCI of 60.

Current Street Funding Needs Local Streets – Good and Fair

Average Annual Expenditures \$3,500,000*
Current Average Annual Expenditures of \$500,000
Additional Annual Funding Needed \$3,000,000

- Grind & Overlay Good and Fair Streets every 40 years on average
- Slurry Seal all streets every 20 years on average
- Funding from State Gas Tax and Water and Sewer ILFF

^{*} This scenario will maintain local streets to a minimum PCI of 60.

Current Street Funding Need Local Streets – Poor

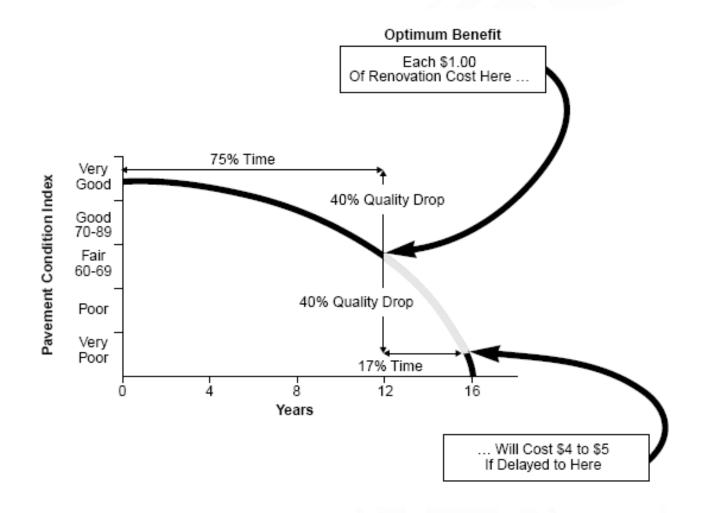
Average Annual Cost of \$8,300,000 Current Average Annual Expenditures of \$0 Additional Annual Funding Needed \$8,300,000

- Reconstruct local streets in poor condition
- Improvements made over a 40-year period

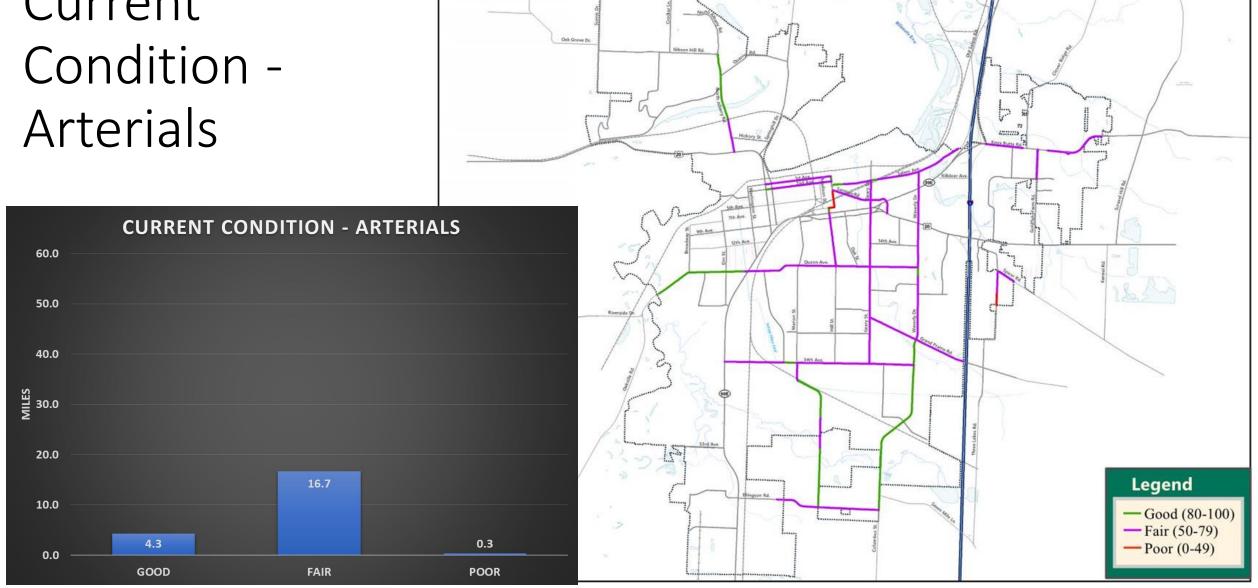
Summary

- Investing in routine pavement management is the most efficient way to keep streets in good/fair condition
- Targeted investment in arterials & collectors for the past 20 years has resulted in the majority of those streets being in good/fair condition
- The street fund receives on average \$7.8 million per year to fund all street fund activities of which pavement management is just one part
- The funding gap to get and keep all city streets to good/fair over the next 40 years is \$12.8 million per year in today's dollars

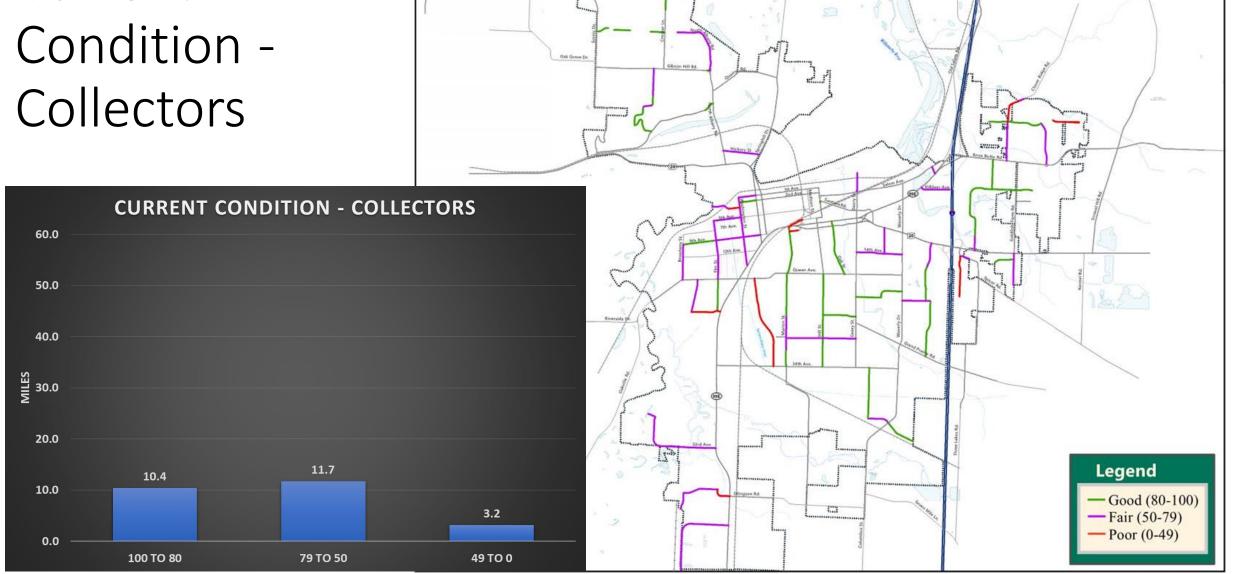
Pavement Renovation Economics



Current



Current



Current

