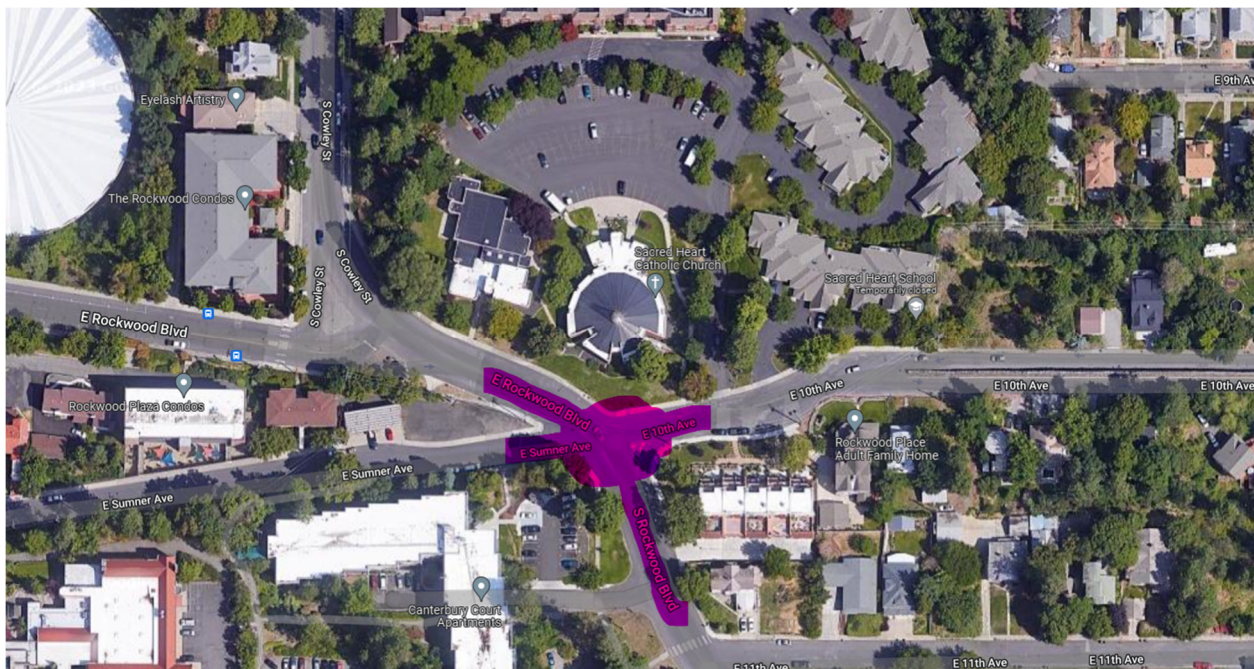


Spokane Traffic Calming Master Plan

District:	2
Neighborhood:	Rockwood
Project Extent:	Rockwood Boulevard and Sumner Avenue/10 th Avenue Estimate: \$483,000

Problem Statement: Residents of the Rockwood neighborhood raised concerns with sight distance, visibility, and the confusion driving through the intersection at Rockwood Boulevard and Sumner Avenue.



Rockwood Boulevard and Sumner Avenue Intersection

Traffic Analysis

Rockwood Boulevard is classified as an urban major collector, provides one lane in each direction, has unmarked on-street parking, and a posted speed limit of 30 miles per hour north of Sumner/10th Avenue and 25 miles per hour south of Sumner/10th Avenue. Sumner Avenue/10th Avenue is classified as an urban local access road that provides one lane in each direction with a posted speed limit of 25 miles per hour. It should be noted that there is on-street parking on Sumner Avenue and 10th Avenue; however, the on-street parking on Sumner Avenue is marked whereas the on-street parking on 10th Avenue is not.

Spokane Traffic Calming Master Plan

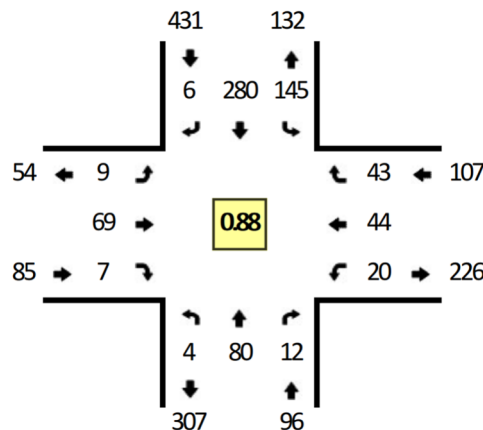
The table below shows the 2022 daily traffic volumes and 85th percentile speeds at the intersection of Rockwood Boulevard and Sumner/10th Avenue. The daily volume on Rockwood Boulevard was 6,400 vehicles, and volumes on Sumner Avenue and 10th Avenue were lower. Speed data was not available for this intersection.

2022 Daily Traffic on Rockwood Boulevard and Sumner/10th Avenue

Direction	2022 Estimated Daily Traffic (Vehicles per day)
Rockwood Blvd - Both Directions	6,360
Sumner Avenue – Both Directions	1,390
10 th Avenue Both Directions	3,300

^a Traffic data collected in November 2022. Only PM volume data was available, data multiplied by a factor of 10 to estimate daily traffic.

The figure below shows the existing PM peak hour traffic volumes at the Rockwood Boulevard and Sumner/10th Avenue intersection, based on a traffic count from November 1, 2022. The peak hour volumes are relatively low and could be accommodated by a single lane roundabout. However, the available right-of-way at the intersection is limited, with approximately 100-feet of width between the northeast and southwest edge, and the roadways have a moderate slope which is not appropriate for roundabout controlled intersections.



PM Peak Hour Traffic at Rockwood Boulevard and Sumner/10th Avenue Intersection

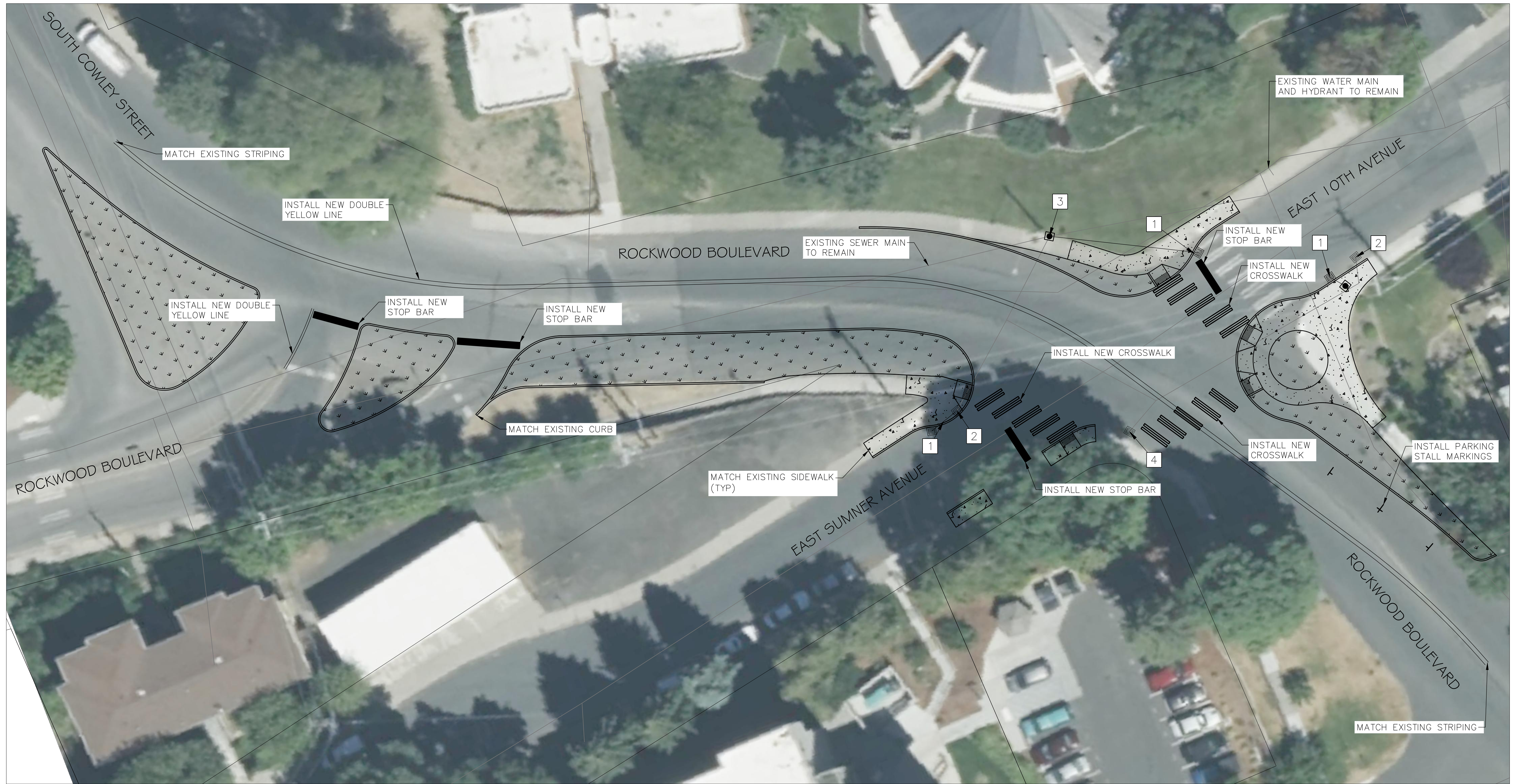
Recommended Solution:

To improve overall safety and reduce confusion at this intersection, the following projects are recommended.


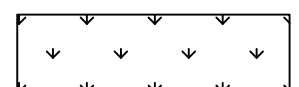
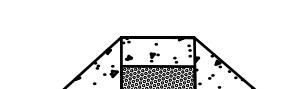

- Install curb extensions on 10th Avenue at the existing marked pedestrian crossing to narrow the roadway width.
- Install curb extensions at each intersection corner to reduce the skew of each approach and narrow the roadway.

Spokane Traffic Calming Master Plan

- Add pavement markings on Rockwood Boulevard to designate on street parking areas near the intersection.
- Add stop bars on the east and west approaches.



LEGEND

-  INSTALL NEW CONCRETE SIDEWALK PER COS STD PLAN F-102B
-  INSTALL LANDSCAPING, NATIVE PLANTINGS AND/OR NEIGHBORHOOD GATEWAY SIGNAGE
-  INSTALL CURB RAMP PER COS STD PLAN F-105
-  PROPERTY LINE

CONSTRUCTION NOTES

- 1 INSTALL NEW CATCH BASIN TYPE 1 AND 8" DIAM. PIPE AS NECESSARY. CONNECT TO EXISTING PIPE WHERE SHOWN.
- 2 REMOVE EXISTING INLET. PLUG AND ABANDON EXISTING PIPE.
- 3 EXISTING MANHOLE TO REMAIN IN PLACE.
- 4 EXISTING INLET TO REMAIN IN PLACE.

RIGHT OF WAY LINES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY

REVISIONS				AS BUILT				GRADE ORDINANCE LIST				
DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ	E.F.N. - U.S.N.	FROM	TO	ORD. NO.	DATE	FILE NO.

NAV888 = (OLD CBM ELEV.) - (13.13) AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV888)	CURRENT C.O.S. DESIGN STANDARDS ADOPTED FEB. 2007
BENCH MARK LOCATION: NONE GIVEN	BY: KL 03/2023
NAV888 ELE: NONE GIVEN	REVISIONS: KL 05/2023
CBM NO: NONE GIVEN	CHECKED: SP 03/2023
BAR IS ONE INCH ON ORIGINAL DRAWING	APPROVED: AM 03/2023
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DATE: 03/2023
HORIZONTAL PLAN/PROFILE: 1" = 10'	SCALE: 1" = 10'
VERTICAL PROFILE ONLY: N/A	



CITY OF SPOKANE, WASHINGTON
 DEPARTMENT OF ENGINEERING SERVICES
 808 WEST SPOKANE FALLS BLVD.
 SPOKANE, WASHINGTON 99201-3343
 (509) 625-6700

**PRELIMINARY
 NOT FOR CONSTRUCTION**

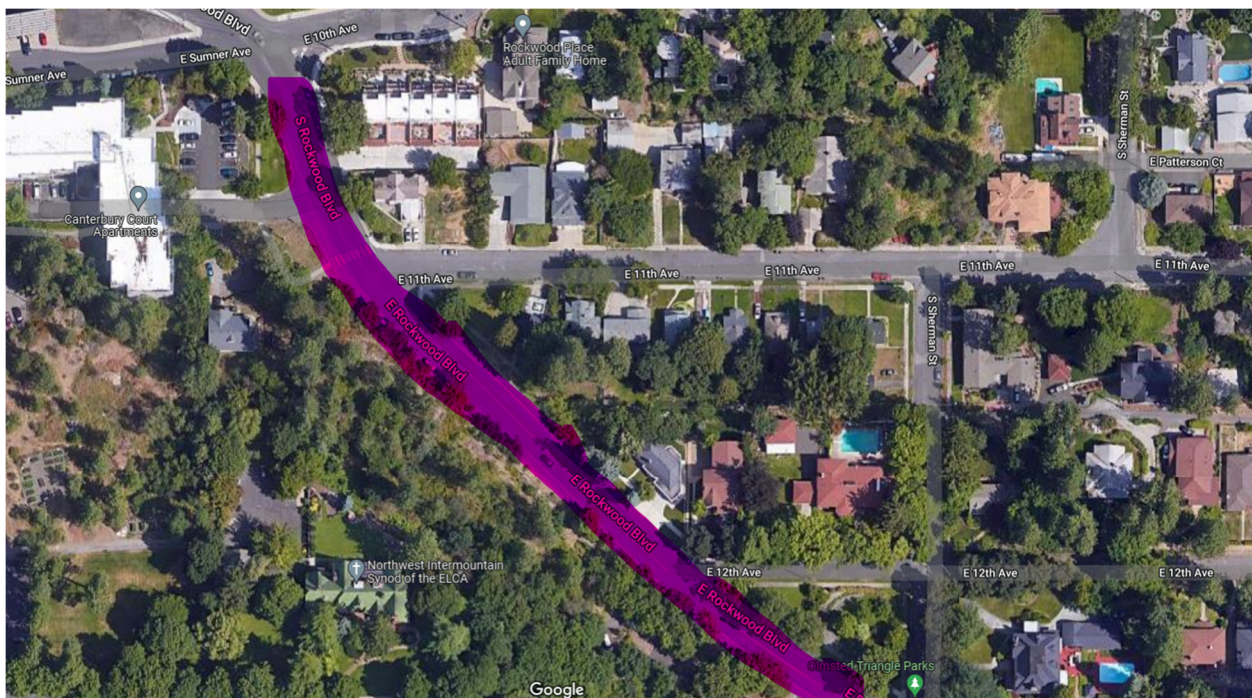
PROJECT NAME: SPOKANE TRAFFIC CALMING MASTER PLAN	TYPE OF IMPROVEMENT: TRAFFIC
SEGMENT LIMITS: ROCKWOOD BOULEVARD AND 10TH AVENUE/SUMNER AVENUE	CITY PROJECT NUMBER: CITY PLAN NUMBER
PROJECT LIMITS: ROCKWOOD NEIGHBORHOOD	

Plotted On: May 15, 2023 - 4:09pm

Spokane Traffic Calming Master Plan

District:	2
Neighborhood:	Rockwood
Project Extent:	Rockwood Boulevard near 11 th and 12 th Avenue Estimate: \$98,000

Problem Statement: Residents of the Rockwood neighborhood raised concerns over speeding vehicles along Rockwood Boulevard near 11th and 12th Avenue.



Rockwood Boulevard near 11th Avenue and 12th Avenue

Traffic Analysis

Rockwood Boulevard in this study area is classified as an urban major collector, has one lane in each direction with on-street parking, and a posted speed limit of 25 miles per hour. 11th and 12th Avenue are both classified as urban local access roads, have one lane in each direction, have on-street parking, and do not have a posted speed limit. A driver speed feedback sign was installed facing southbound travel on Rockwood Boulevard near Sherman Street (one block south of 12th Avenue).

The table below shows the 2022 daily traffic volumes and 85th percentile speeds on Rockwood Boulevard between 11th Avenue and 12th Avenue. The highest daily volume on Rockwood Boulevard was 2,217 southbound vehicles. The highest 85th percentile speed was 37 miles per hour (12 miles per hour greater than the posted speed limit). The data indicates there is a significant speeding issue.

Spokane Traffic Calming Master Plan

2022 Daily Traffic and 85th Percentile Speeds on Rockwood Boulevard between 11th and 12th Avenue

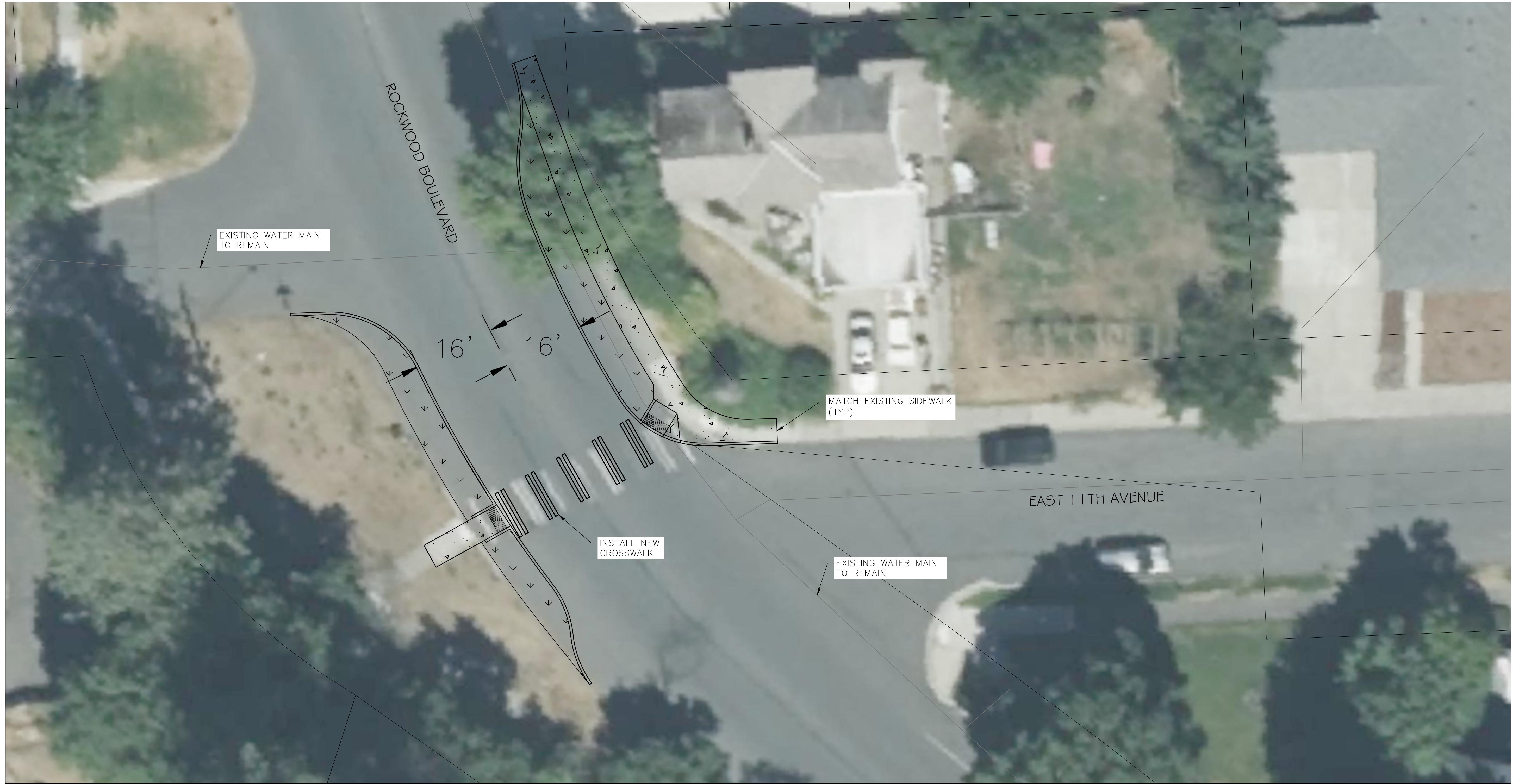
Direction	# Lanes	2022 Daily Traffic (Vehicles per day)	85 th Percentile Speed (mph)	Posted Speed (mph)
Rockwood Boulevard (between 11 th Avenue and 12 th Avenue)				
NB	1	1,571	37	
SB	1	2,217	34	
Both Dir.	2	3,788	35	25

^a Traffic data collected in Nov 2022.


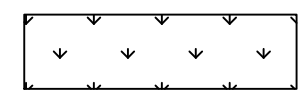
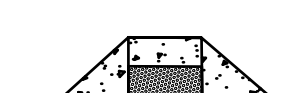

Recommended Solution:

Rockwood Boulevard appears as a wide street when the on-street parking on both sides of the corridor has low occupancy. There are several areas on the corridor without active on-street parking that could be modified to reduce the pavement width. The installation of curb extensions is recommended across Rockwood Boulevard at the existing marked pedestrian crossing at 11th Avenue to narrow the roadway width. The curb extension on the west side of Rockwood Boulevard could extend from 11th Avenue (access to Canterbury Court Apartments) to the south where no on-street parking is allowed (across from 11th Avenue east leg). The installation of a curb extension is also recommended on the east side of Rockwood Boulevard, northwest of Sherman Street and along Olmstead Triangle Park, to slow downhill vehicle speeds. Curb extensions are expected to decrease the 85th percentile speed by 3 miles per hour.¹

¹ Engineering Speed Management Countermeasures: A Desktop Reference of Potential Effectiveness in Reducing Speed. Federal Highway Administration. July 2014.



LEGEND

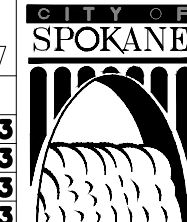
-  INSTALL NEW CONCRETE SIDEWALK PER COS STD PLAN F-102B
-  INSTALL LANDSCAPING, NATIVE PLANTINGS
-  INSTALL CURB RAMP PER COS STD PLAN F-105
-  PROPERTY LINE

RIGHT OF WAY LINES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ	E.F.N. / U.S.N.	FROM	TO	COUNCIL ACCEPT DATE
REVISIONS										
AS BUILT										

FROM	TO	ORD. NO.	DATE	FILE NO.
GRADE ORDINANCE LIST				

NAVD88 = (OLD CBM ELEV.) - (13.13) AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)	
BENCH MARK LOCATION NONE GIVEN	CURRENT C.O.S. DESIGN STANDARDS ADOPTED FEB. 2007
NAVD88 ELE NONE GIVEN	BAR IS ONE INCH ON ORIGINAL DRAWING:
CBM NO. NONE GIVEN	HORIZONTAL PLAN/PROFILE 1" = 10'
NAVD88 DATUM	VERTICAL PROFILE ONLY N/A
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SCALE



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 SPOKANE, WASHINGTON 99201-3343
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2
 2 OF 2

PROJECT NAME:	SPOKANE TRAFFIC CALMING MASTER PLAN	
SEGMENT LIMITS:	ROCKWOOD BOULEVARD AND 11TH AVENUE	
PROJECT LIMITS:	ROCKWOOD NEIGHBORHOOD	
TYPE OF IMPROVEMENT:	TRAFFIC	
CITY PROJECT NUMBER	CITY PLAN NUMBER	

Plotted On May 15, 2023 - 4:08pm