

# Technical Memorandum

Date:	<u>August 29, 2022</u>	To:	<u>Phoenix Howell</u>
From:	<u>Rob Schiller</u>	Office:	<u>Rochester</u>
Project Name:	<u>2023 Preventive Maintenance Group 1</u>	Project No.:	<u>19674.00</u>
Subject:	<u>Parking Study</u>	Copy:	<u>Dominic Fekete</u>

The purpose of this memorandum is to supplement the original parking study performed for the 2023 Preventive Maintenance Group 1 project. The initial parking study for this project was performed by Lu Engineers in February 2022 to determine the utilization of existing on-street parking within the project limits along South Avenue, University Avenue, East Avenue, and Culver Road. Based on comments received during and after the public meeting, it was determined a supplemental study should be performed to further evaluate parking utilization on the south side of University Avenue from Culver Road to East Boulevard and on the west side of Culver Road through five adjacent blocks: Parsells Avenue to Melville Street, Melville Street to Hazelwood Terrace, Hazelwood Terrace to Rosewood Terrace, Rosewood Terrace to Vermont Street, and Vermont Street to Ferris Street. Refer to the figures below which identify the study areas:



Figure 1: University Avenue (Culver Rd to East Blvd) Study Area



Figure 2: Culver Road (Parsells Ave to Ferris St) Study Area

Methodology: Parking counts were collected over a two-week span between August 15<sup>th</sup> to August 29<sup>th</sup>, 2022 at various times of day to obtain a comprehensive evaluation of the parking utilization. Note that counts were specifically taken during the following events located on Culver Road:

- Food Shelf & Healing Service (St. Mark’s & St. John’s): Wednesday 8/17/22, 11:55 AM
- Church Service (Iglesia De Dios El Alfarero Divino): Thursday 8/18/22, 8:30 PM
- Farm Stand (St. Mark’s & St. John’s): Saturday 8/20/22, 10:00 AM
- Farm Stand (St. Mark’s & St. John’s): Saturday 8/20/22, 11:45 AM
- Church Service (St. Mark’s & St. John’s): Sunday 8/21/22, 9:15 AM
- Food Shelf & Healing Service (St. Mark’s & St. John’s): Wednesday 8/24/22, 12:00 PM
- Church Service (Iglesia De Dios El Alfarero Divino): Thursday 8/25/22, 7:30 PM
- Farm Stand (St. Mark’s & St. John’s): Saturday 8/27/22, 10:30 AM

Parking Inventory: The existing parking inventory, or amount of parking spaces available, was verified as accurate and is assumed to be the same as the original study.

Parking Survey: An observer traveled on a fixed route and recorded the total amount of on-street parking occupied spaces. Detailed survey data is attached with the memorandum. Utilization is defined as the number of vehicles parked in the defined spaces divided by the total number of spaces per block. Maximum utilization is defined as the maximum number of vehicles parked in the defined blocks or areas throughout the study period. The average and maximum utilizations from the parking studies completed in February 2022 and August 2022 are shown in Table 1 below:

Street Name	Limits	February 2022 Average Utilization	August 2022 Average Utilization	February 2022 Max. Utilization	August 2022 Max. Utilization
University Ave	Culver Rd to East Blvd	31%	51%	64%	86%
Culver Rd	Parsells Ave to Melville St	47%	41%	100%	91%
Culver Rd	Melville St to Hazelwood Terr	0%	0%	0%	0%
Culver Rd	Hazelwood Terr to Rosewood Terr	30%	15%	67%	86%
Culver Rd	Rosewood Terr to Vermont St	0%	9%	0%	60%
Culver Rd	Vermont St to Ferris St	36%	66%	75%	125%*

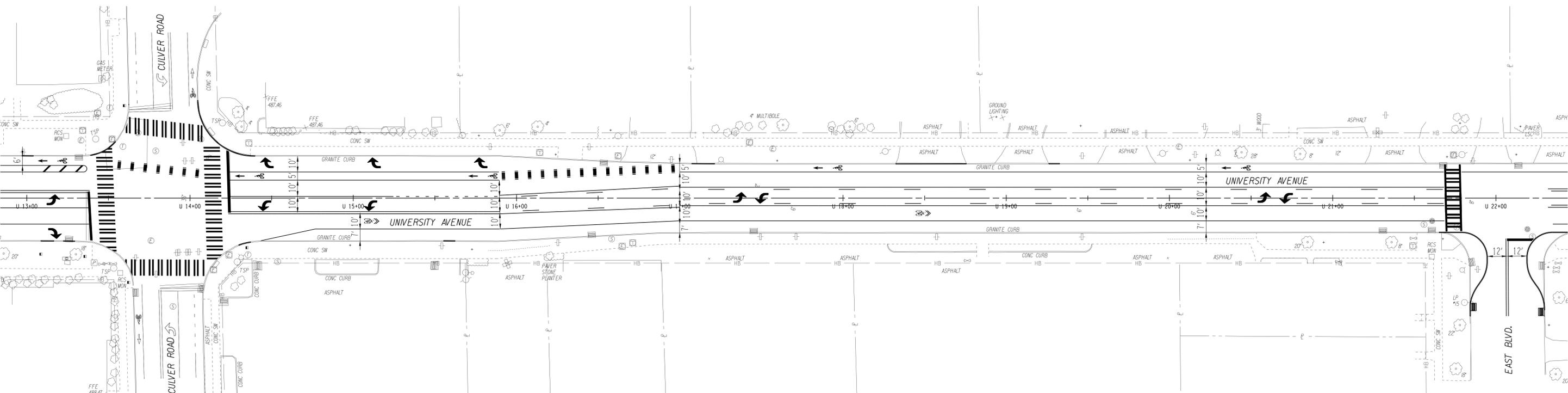
\*Illegal parking by 1 vehicle increased the utilization to over 100%

Table 1: Parking Utilization Summary

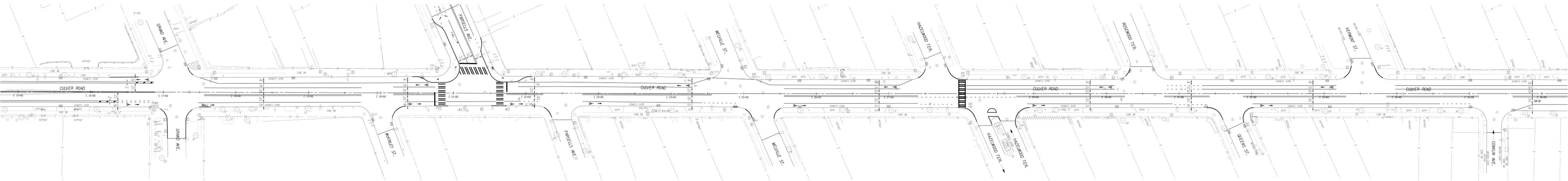
Recommendations: According to Table 1, the average parking utilization on University Avenue is 51% which is above 50%, indicating a need for parking on the south side of the street between Culver Road and East Boulevard. A proposed configuration of two 10’ travel lanes, one 10’ center two way left turn lane, a 5’ westbound bike lane, and a 7’ eastbound parking lane would satisfy the demands of the street. On Culver Road, the average utilization is below 50% at the blocks of Parsells Avenue to Melville Street, Melville Street to Hazelwood Terrace, Hazelwood Terrace to Rosewood Terrace, Rosewood Terrace to Vermont Street. However, the maximum utilization exceeds 50% for select time periods at the blocks of Parsells Avenue to Melville Street, Hazelwood Terrace to Rosewood Terrace, Rosewood Terrace to

Vermont Street, and Vermont Street to Ferris Street. Therefore, a proposed configuration of two 10' travel lanes, an 8' north side parking lane, and two 5' (min.) bike lanes between Grand Avenue and Conklin Avenue would satisfy the demands of the street. Attached with this memorandum are conceptual sketches of the proposed striping layouts recommended above.





**Recommended Striping Concept**  
*University Avenue (Culver Road to East Boulevard)*



**Recommended Striping Concept**  
*Culver Road (Grand Avenue to Conklin Avenue)*