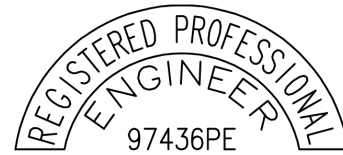




Transportation Engineering NorthWest

MEMORANDUM

DATE: July 31, 2024
TO: City of Beaverton, OR
FROM: Spenser Haynie
TENW
SUBJECT: Trip Generation Memo
Caliber Collision (Beaverton, OR)
TENW Project No. 2024-180



RENEWS: 12/31/2025

This memorandum summarizes the traffic information for the *Caliber Collision* project in Beaverton, OR for the purpose of documenting the trip generation estimate for the existing operation and proposed expansion. This memo includes a project description and trip generation estimate. We are requesting your review and approval of this information and confirmation that no additional traffic analysis will be required.

Project Description

The existing *Caliber Collision* is located at 4400 SW Rose Lane in Beaverton, OR and includes 23,365 square feet (SF) of building area. As part of the proposed expansion, *Caliber Collision* would occupy the vacant 5,760 SF building across the street at 13705 SW Farmington Road, which was previously occupied by a motorcycle dealership (Cascade Moto). With buildout of the proposed expansion, the Caliber Collision operation would include a total of 29,125 SF of building area (23,365 SF existing + 5,760 SF expansion). A preliminary site plan is shown in **Attachment A**.



Trip Generation

Based on discussions with City of Beaverton staff, the current edition of the Institute of Transportation Engineers (ITE) *Trip Generation Manual* does not include trip generation data for a use consistent with the operations of *Caliber Collision*. Therefore, the trip generation estimates for the proposed expansion were based on a trip generation study conducted at the existing *Caliber Collision* site. Data was collected on three (3) consecutive weekdays during business hours (between 6:30 AM and 6:30 PM). Note that in addition to the driveways on the east side of SW Rose Lane, *Caliber Collision* currently also utilizes the street parking on SW Rose Lane as well as the parking lot of the proposed expansion site. Trips generated by the existing *Caliber Collision* operation for these off-site locations were also captured during the trip generation study.

Based on the data collected, a weekday daily trip rate for *Caliber Collision* was derived and used in the trip generation estimates for the proposed expansion. The detailed existing *Caliber Collision* trip generation study is included in **Attachment B**.

Table 1 summarizes the weekday trip generation associated with the existing *Caliber Collision* operation, the estimated weekday trip generation with full buildout of the proposed expansion, and the resulting net new weekday trip generation estimates for the proposed expansion. It should be noted that at the time of the existing data collection, the prior Cascade Moto use was no longer in business, and the net new trip generation estimates for the proposed expansion do not include credit for this prior use. Therefore, the trip generation estimates should be considered conservative.

Table 1
Weekday Daily Trip Generation Summary

	Size	Trip Rate ¹	Trips Generated		
			In	Out	Total
<u>Proposed Use:</u>					
Caliber Collision (w/ Expansion)	29,125 SF	11.04	161	161	322
<u>Less Existing Use:</u>					
Caliber Collision	23,365 SF	11.04	-129	-129	-258
Net New =	5,760 SF		32	32	64

Notes:

1. Trip rate based on 3-day average of counts collected at the existing Caliber Collision site.

As shown in **Table 1**, the proposed Caliber Collision expansion is estimated to generate 64 new weekday daily trips.

Conclusion

Per Beaverton Development Code Section 60.55.20 (Traffic Impact Analysis), a Traffic Impact Analysis is required when the proposed land use change or development will generate 300 vehicles or more per day in average weekday trips as determined by the City Engineer. The proposed project is estimated to generate less than 300 net new vehicles per day. Therefore, please confirm that no additional traffic analysis is required for this project.

If you have any questions regarding the information presented in this analysis, please call me at 206-390-7253 or email at spenser@tenw.com.

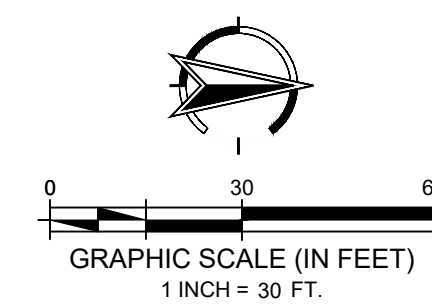
cc: Chris Forster, PE – TENW

ATTACHMENT A

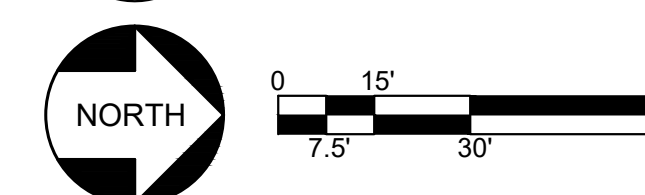
Preliminary Site Plan



SITE DATA	
EXISTING SQ. FT.	= 23,365 SQ. FT. ±
EXPANSION SQ.FT.	= 5,760 SQ. FT. ±
TOTAL BUILDING SQ.FT.	= 29,125 SQ. FT. ±
ACREAGE TOTAL	= .49
MAP NUMBER: 15116BD00800, 15116BD00600, 15116BD00500, 15116BD00500	
FLOOD ZONE 'X' (OUTSIDE 500 YEAR PLAIN)	
SETBACKS: FRONT: NONE SIDES: 10' ABUTTING LOT REAR: 20' NONE ABUTTING ST.	
PROPOSED HEIGHT	= EXTG.
MAX. HEIGHT	= 60'-0"
ZONING	GC (GENERAL COMMERCIAL)
USE	AUTO BODY PAINT REPAIR SHOP
WATER	(UTILITY DISTRICT)
SEWER	(UTILITY DISTRICT)
PARKING CALCULATIONS	
OFFICE @ 1:XXX REQ'D	= XX
SHOP @ 1:XXX REQ'D	= XX
CITY TOTAL REQUIRED	= XX
TOTAL PARKING SHOWN	= 92
BICYCLE CALCULATIONS	
SHORT TERM @ 1/5000	= 2
LONG TERM @ 1/5000	= 2
CITY TOTAL REQUIRED	= 4
TOTAL BICYCLE SHOWN	= 4



1 SITE PLAN
1" = 30'-0"



Bret
FLORY

BRET FLORY, NCARB
1913 GARDENGROVE COURT
PLANO, TEXAS 75075
PH: 972.467.9749

CALIBER COLLISION

CONCEPTUAL SITE PLAN

BEAVERTON, OR

DRAWN: CVO PROJECT #: SCHEM DATE: 24.03.22

ATTACHMENT B

Existing Caliber Collision Trip Generation Study

**Existing Trip Generation Study
 (7/16/24-7/18/24)**

Day	Weekday Daily 3-Day Average				Daily Trip Rate per 1000 SF
	In	Out	Total	SF	
Tuesday, July 16, 2024	132	139	271	23,365	11.60
Wednesday, July 17, 2024	125	118	243	23,365	10.40
Thursday, July 18, 2024	130	130	260	23,365	11.13
3-Day Average	129	129	258	23,365	11.04

Caliber Collison (Beaverton, OR)
13705 SW Farmington Rd, Beaverton, Oregon
Existing Trip Generation Summary - Weekday daily

TENW Project No. 2024-180

Tuesday, July 16, 2024

Interval Begin	#1 Caliber Collision North Driveway		#2 Caliber Collision South Driveway		#3 Street Parking		#4 Cascade Moto North Driveway		#5 Cascade Moto South Driveway		Total Trips		
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	Total
6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	1	0	2	0	0	0	3	0	3
7:15 AM	1	0	0	0	2	0	0	0	1	0	4	0	4
7:30 AM	1	2	1	1	0	0	1	0	0	0	3	3	6
7:45 AM	1	0	1	1	0	0	0	0	1	0	3	1	4
8:00 AM	2	0	2	2	0	0	0	0	1	0	5	2	7
8:15 AM	0	1	0	0	0	1	0	0	1	0	1	2	3
8:30 AM	1	0	1	2	1	0	0	0	0	0	3	2	5
8:45 AM	0	1	2	0	0	0	1	0	1	0	4	1	5
9:00 AM	1	0	0	1	0	0	0	0	0	0	1	1	2
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	2	1	2	4	1	0	1	0	0	1	6	6	12
9:45 AM	1	1	3	1	0	1	1	0	0	0	5	3	8
10:00 AM	2	1	4	2	1	1	0	0	0	0	7	4	11
10:15 AM	0	0	0	2	0	0	0	0	0	0	0	2	2
10:30 AM	0	0	1	0	0	0	1	1	0	0	2	1	3
10:45 AM	1	1	1	1	0	0	0	0	0	0	2	2	4
11:00 AM	2	0	0	2	0	1	1	1	1	1	4	5	9
11:15 AM	1	1	3	0	0	0	0	0	0	0	4	1	5
11:30 AM	1	2	0	1	1	0	0	1	0	0	2	4	6
11:45 AM	2	2	0	2	0	0	0	0	0	0	2	4	6
12:00 PM	0	2	1	0	0	1	0	0	0	0	1	3	4
12:15 PM	1	0	0	0	2	3	1	0	0	1	4	4	8
12:30 PM	2	1	2	2	2	0	0	0	2	2	6	5	11
12:45 PM	4	1	2	5	0	0	1	1	2	0	9	7	16
1:00 PM	0	0	1	4	0	2	0	0	1	0	2	6	8
1:15 PM	2	1	1	2	1	0	2	0	0	2	6	5	11
1:30 PM	1	0	1	2	0	0	1	1	1	0	4	3	7
1:45 PM	0	0	2	1	0	1	1	0	0	2	3	4	7
2:00 PM	2	0	0	3	0	1	0	0	0	1	2	5	7
2:15 PM	1	0	3	0	0	0	0	0	0	1	4	1	5
2:30 PM	0	1	1	2	0	0	0	0	0	0	1	3	4
2:45 PM	0	0	1	0	0	0	0	0	0	0	1	0	1
3:00 PM	1	1	0	3	1	0	0	0	0	0	2	4	6
3:15 PM	0	0	1	1	0	0	0	0	0	0	1	1	2
3:30 PM	0	2	3	1	0	0	0	0	0	0	3	3	6
3:45 PM	1	0	0	2	0	0	0	1	0	0	1	3	4
4:00 PM	0	3	4	2	0	0	0	1	0	0	4	6	10
4:15 PM	0	0	3	2	0	0	0	0	0	0	3	2	5
4:30 PM	0	1	1	1	0	1	1	1	0	0	2	4	6
4:45 PM	4	1	0	5	0	1	0	0	0	1	4	8	12
5:00 PM	1	1	1	2	0	0	0	0	0	0	2	3	5
5:15 PM	0	1	4	3	1	0	0	1	0	1	5	6	11
5:30 PM	0	0	0	1	0	0	0	0	0	0	0	1	1
5:45 PM	0	0	0	1	0	2	0	0	0	1	0	4	4
6:00 PM	0	0	0	0	1	2	0	1	0	1	1	4	5
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily	39	29	53	67	15	18	15	10	10	15	132	139	271

Caliber Collison (Beaverton, OR)
13705 SW Farmington Rd, Beaverton, Oregon
Existing Trip Generation Summary - Weekday daily

TENW Project No. 2024-180

Wednesday, July 17, 2024

Interval Begin	#1 Caliber Collision North Driveway		#2 Caliber Collision South Driveway		#3 Street Parking		#4 Cascade Moto North Driveway		#5 Cascade Moto South Driveway		Total Trips		
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	Total
6:30 AM	0	0	0	0	1	0	0	0	1	0	2	0	2
6:45 AM	0	0	0	0	0	0	1	0	0	0	1	0	1
7:00 AM	2	0	0	0	1	0	1	0	0	0	4	0	4
7:15 AM	0	0	0	0	1	0	0	0	0	0	1	0	1
7:30 AM	1	0	0	1	0	0	0	0	1	0	2	1	3
7:45 AM	0	0	0	0	0	0	1	0	0	0	1	0	1
8:00 AM	1	0	2	0	0	0	0	0	0	0	3	0	3
8:15 AM	0	1	3	3	0	0	2	0	1	0	6	4	10
8:30 AM	1	0	1	2	0	0	0	0	1	0	3	2	5
8:45 AM	0	0	0	0	1	0	2	0	0	2	3	2	5
9:00 AM	1	0	1	0	0	0	1	0	0	0	3	0	3
9:15 AM	0	0	0	1	1	0	1	0	0	1	2	2	4
9:30 AM	1	0	2	0	0	0	0	0	0	0	3	0	3
9:45 AM	2	3	3	2	0	0	0	0	0	0	5	5	10
10:00 AM	0	0	2	2	0	0	0	0	0	0	2	2	4
10:15 AM	1	0	0	2	0	0	0	0	0	0	1	2	3
10:30 AM	0	1	1	0	0	0	0	0	0	0	1	1	2
10:45 AM	0	0	1	0	0	0	0	0	0	0	1	0	1
11:00 AM	1	2	3	1	0	0	0	0	0	0	4	3	7
11:15 AM	1	0	0	1	0	0	0	1	0	2	1	4	5
11:30 AM	1	0	3	2	0	0	0	0	0	0	4	2	6
11:45 AM	0	1	1	1	1	0	0	0	0	0	2	2	4
12:00 PM	0	2	2	1	1	0	0	1	0	1	3	5	8
12:15 PM	5	0	1	7	0	1	1	0	0	1	7	9	16
12:30 PM	2	0	0	2	0	0	0	0	0	0	2	2	4
12:45 PM	1	0	2	1	1	2	1	0	1	0	6	3	9
1:00 PM	0	0	1	2	1	0	2	1	0	1	4	4	8
1:15 PM	0	2	2	0	0	0	0	0	0	0	2	2	4
1:30 PM	1	0	2	0	1	0	1	0	0	0	5	0	5
1:45 PM	3	2	1	0	2	0	0	0	0	1	6	3	9
2:00 PM	1	3	1	4	0	0	0	0	0	0	2	7	9
2:15 PM	1	0	0	0	0	1	1	0	0	1	2	2	4
2:30 PM	1	1	0	2	0	0	0	0	0	0	1	3	4
2:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	0	0	2	2	0	0	0	0	0	0	2	2	4
3:15 PM	2	1	3	6	0	0	0	0	0	0	5	7	12
3:30 PM	1	0	2	2	0	0	0	0	0	0	3	2	5
3:45 PM	0	0	3	1	0	0	0	0	0	0	3	1	4
4:00 PM	0	1	1	1	0	0	0	1	0	0	1	3	4
4:15 PM	0	0	2	3	2	0	0	1	0	0	4	4	8
4:30 PM	0	0	2	0	0	3	2	2	0	0	4	5	9
4:45 PM	0	1	0	0	0	1	2	0	0	1	2	3	5
5:00 PM	1	0	0	1	0	2	1	0	0	3	2	6	8
5:15 PM	0	0	1	4	1	1	0	1	0	0	2	6	8
5:30 PM	0	0	2	3	0	0	0	0	0	0	2	3	5
5:45 PM	0	0	0	0	0	1	0	0	0	1	0	2	2
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	1	0	0	0	1	0	2	2
Daily	32	21	53	60	15	13	20	8	5	16	125	118	243

Caliber Collison (Beaverton, OR)
13705 SW Farmington Rd, Beaverton, Oregon
Existing Trip Generation Summary - Weekday daily

TENW Project No. 2024-180

Thursday, July 18, 2024

Interval Begin	#1 Caliber Collision North Driveway		#2 Caliber Collision South Driveway		#3 Street Parking		#4 Cascade Moto North Driveway		#5 Cascade Moto South Driveway		Total Trips		
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	Total
	6:30 AM	1	0	0	0	1	0	1	0	0	1	3	1
6:45 AM	0	0	0	0	0	0	2	0	0	0	2	0	2
7:00 AM	0	0	1	0	1	0	0	0	0	0	2	0	2
7:15 AM	0	0	0	0	1	0	1	0	1	1	3	1	4
7:30 AM	1	1	0	0	0	0	0	0	1	0	2	1	3
7:45 AM	3	0	0	0	0	0	0	0	1	0	4	0	4
8:00 AM	0	0	3	2	0	0	0	0	0	0	3	2	5
8:15 AM	0	1	3	2	0	0	0	0	1	0	4	3	7
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	1	2	1	0	0	0	1	0	3	2	5
9:00 AM	0	1	2	2	0	0	0	0	0	0	2	3	5
9:15 AM	0	0	0	1	0	0	0	0	0	0	0	1	1
9:30 AM	0	0	1	0	0	0	0	0	0	0	1	0	1
9:45 AM	0	0	0	1	0	0	0	0	0	0	0	1	1
10:00 AM	2	0	2	2	0	0	0	0	0	0	4	2	6
10:15 AM	0	0	1	1	0	0	0	0	0	0	1	1	2
10:30 AM	0	0	2	0	0	0	0	0	0	0	2	0	2
10:45 AM	2	2	3	3	0	0	1	0	0	1	6	6	12
11:00 AM	1	0	1	1	0	0	0	0	0	0	2	1	3
11:15 AM	1	0	0	1	0	1	0	0	0	0	1	2	3
11:30 AM	2	1	1	1	0	0	0	0	0	0	3	2	5
11:45 AM	3	1	0	1	1	0	1	2	0	0	5	4	9
12:00 PM	1	4	2	1	0	0	1	0	0	2	4	7	11
12:15 PM	1	1	2	3	0	0	0	0	1	0	4	4	8
12:30 PM	2	2	4	2	1	0	1	1	0	0	8	5	13
12:45 PM	1	2	2	2	0	1	1	1	0	0	4	6	10
1:00 PM	2	0	1	3	1	0	2	0	0	1	6	4	10
1:15 PM	1	1	3	2	0	1	0	0	0	0	4	4	8
1:30 PM	0	1	3	1	0	1	0	0	0	0	3	3	6
1:45 PM	0	1	2	2	0	0	1	0	1	0	4	3	7
2:00 PM	1	0	0	0	0	0	0	0	0	0	1	0	1
2:15 PM	4	1	3	4	0	0	0	1	0	0	7	6	13
2:30 PM	1	3	1	2	0	0	0	0	0	0	2	5	7
2:45 PM	1	0	2	1	0	0	1	2	0	1	4	4	8
3:00 PM	1	0	1	4	0	0	2	0	0	1	4	5	9
3:15 PM	1	1	2	1	0	0	0	0	0	0	3	2	5
3:30 PM	2	1	2	5	0	0	0	0	0	0	4	6	10
3:45 PM	1	1	1	1	0	0	0	1	0	0	2	3	5
4:00 PM	0	1	0	1	0	0	0	0	0	0	0	2	2
4:15 PM	1	0	1	1	0	1	0	0	0	1	2	3	5
4:30 PM	1	0	0	1	0	1	0	0	0	0	1	2	3
4:45 PM	0	3	2	2	0	1	0	0	1	1	2	7	9
5:00 PM	0	2	4	3	0	0	0	1	0	0	4	6	10
5:15 PM	0	0	0	2	0	0	0	0	0	0	0	2	2
5:30 PM	1	0	0	1	0	0	0	0	0	1	1	2	3
5:45 PM	0	0	0	0	0	0	1	1	0	1	1	2	3
6:00 PM	0	0	0	0	0	1	2	0	0	2	2	3	5
6:15 PM	0	0	0	0	0	0	0	0	0	1	0	1	1
Daily	39	32	59	65	7	8	18	10	7	15	130	130	260