EXHIBIT 3.5

## Memorandum



## Introduction

This memorandum is written to serve as an addendum to the Herzog Meier Volkswagen Volvo Traffic Impact Analysis (TIA), dated July 6, 2021. The TIA reviewed impacts associated with the replacement of an existing 5,703 square foot service building with a new 24,900 square foot service building (a net increase of 19,197 square feet of building space) at the Herzog-Meier Volkswagen-Volvo dealership, addressed at 4275 SW 139th Way in Beaverton, Oregon.

After receiving approval for the initial development application, the following modifications to the development plan were proposed:

- The proposed building footprint will decrease from 24,900 square feet to 23,700 square feet.
- The prior proposed rooftop parking and vehicle ramp will be removed.
- The proposed building will consist of simple tilt-up concrete construction.
- No changes to the number of existing service bays are proposed.
- No change to parking locations or quantities are proposed.

Specific to the change in the building square footage, this addendum includes an updated evaluation of the proposed development's trip generation and compares the proposed modification's trip generation relative to the prior approved trip generation in the TIA. The trip generation analysis is intended to determine if the project exceeds the City of Beaverton's or ODOT's trip generation thresholds for requiring an updated TIA.

## Trip Generation

The proposed site modification decreases the building square footage of the prior approved dealership service building from 24,900 square feet to 23,700 square feet. Under both the prior and current proposals, an existing 5,703 square foot service building will be removed.

To estimate the number of trips generated by the proposed project, trip rates from the Trip Generation Manual ${ }^{1}$ were used. To be consistent with the TIA, data from the $10^{\text {th }}$ Edition of the Trip Generation Manual was used in lieu of the current $11^{\text {th }}$ Edition manual. Data from land use code 840, Automobile Sales (New), was used to estimate and compare the project's trip generation based on the square footage of the gross building floor area.

The trip generation calculations show that the proposal is expected to reduce the overall trip generation of the prior approved development plan by 3 morning peak hour trips, 3 evening peak hour trips, and 34 average weekday trips. The trip generation estimates are summarized in Table 1. Detailed trip generation calculations are included as an attachment to this addendum.

Table 1: Trip Generation Summary

|  | ITE Code | Size | Morning Peak Hour |  |  | Evening Peak Hour |  |  | Weekday Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Enter | Exit | Total | Enter | Exit | Total |  |
| Prior Approved TIA Trip Generation |  |  |  |  |  |  |  |  |  |
| Existing Service Building | 840 | 5,703 SF | 8 | 3 | 11 | 6 | 8 | 14 | 158 |
| Proposed Service Building | 840 | 24,900 SF | 34 | 13 | 47 | 24 | 37 | 61 | 694 |
| Net Increase |  | 19,197 SF | 26 | 10 | 36 | 18 | 29 | 47 | 536 |
| Proposed Modfication Trip Generation |  |  |  |  |  |  |  |  |  |
| Existing Service Building | 840 | 5,703 SF | 8 | 3 | 11 | 6 | 8 | 14 | 158 |
| Proposed Service Building | 840 | 23,700 SF | 32 | 12 | 44 | 23 | 35 | 58 | 660 |
| Net Increase |  | 17,997 SF | 24 | 9 | 33 | 17 | 27 | 44 | 502 |
| Net Change In Trip Generation |  |  |  |  |  |  |  |  |  |
| Net Decrease |  | 1,200 SF | -2 | -1 | -3 | -1 | -2 | -3 | -34 |

Per the City of Beaverton's Development Code Section 60.55.20.2 Analysis Threshold, "A Traffic Impact Analysis is required when the proposed land use change or development will generate 300 vehicles or more per day (vpd) in average weekday trips as determined by the City Engineer." Additionally, per Table 3.2: TIA Threshold and Analysis Areas in ODOT's Development Review Guidelines², a TIA will be necessary if the proposal were to generate 50 morning or evening peak hour trips, or 300 average daily trips impacts to ODOT intersections. Since the proposed project is projected to result in a net decrease in peak hour and average weekday trips relative to the prior approved development proposal, the above thresholds for requiring a new TIA are not met.

[^0]
## Conclusions

The proposed revisions to the construction of the prior approved Herzog-Meier Volkswagen-Volvo dealership development plan are projected to decrease site trip generation by 3 morning peak hour trips, 3 evening peak hour trips, and 34 average weekday site trips. According to City of Beaverton's Development Code Section 60.55.20.2 and ODOT's intersection impact thresholds, the proposed project is not projected to trigger either agency's peak hour or average daily trip generation thresholds for requiring a full TIA. Therefore, the preparation of this trip generation analysis and addendum to the July 2021 TIA is sufficient to report the minimal impacts of the proposed development to the transportation system.

If you have any questions or concerns regarding this analysis or need further assistance, please don't hesitate to contact us.

# TRIP GENERATION CALCULATIONS <br> Existing Conditions 

Land Use: Automobile Sales (New)
Land Use Code: 840
Setting/Location General Urban/Suburban
Variable: 1,000 Sq. Ft. GFA
Variable Value: 5.703

AM PEAK HOUR
Trip Rate: 1.87

|  | Enter | Exit | Total |
| :---: | :---: | :---: | :---: |
| Directional <br> Distribution | $73 \%$ | $27 \%$ |  |
| Trip Ends | $\mathbf{8}$ | 3 | 11 |

WEEKDAY
Trip Rate: 27.84

|  | Enter | Exit | Total |
| :---: | :---: | :---: | :---: |
| Directional <br> Distribution | $50 \%$ | $50 \%$ |  |
| Trip Ends | $\mathbf{7 9}$ | $\mathbf{7 9}$ | $\mathbf{1 5 8}$ |

# TRIP GENERATION CALCULATIONS <br> Prior Approved TIA Proposed Conditions <br> Land Use: Automobile Sales (New) <br> Land Use Code: 840 <br> Setting/Location General Urban/Suburban <br> Variable: 1,000 Sq. Ft. GFA <br> Variable Value: 24.9 

AM PEAK HOUR
Trip Rate: 1.87

|  | Enter | Exit | Total |
| :---: | :---: | :---: | :---: |
| Directional <br> Distribution | $73 \%$ | $27 \%$ |  |
| Trip Ends | 34 | 13 | 47 |

PM PEAK HOUR
Trip Rate: 2.43

|  | Enter | Exit | Total |
| :---: | :---: | :---: | :---: |
| Directional <br> Distribution | $40 \%$ | $60 \%$ |  |
| Trip Ends | $\mathbf{2 4}$ | $\mathbf{3 7}$ | $\mathbf{6 1}$ |

## WEEKDAY

Trip Rate: 27.84

|  | Enter | Exit | Total |
| :---: | :---: | :---: | :---: |
| Directional <br> Distribution | $50 \%$ | $50 \%$ |  |
| Trip Ends | 347 | 347 | 694 |

# TRIP GENERATION CALCULATIONS <br> Proposed Modification Conditions <br> Land Use: Automobile Sal es (New) <br> Land Use Code: 840 <br> Setting/Location General Urban/Suburban <br> Variable: 1,000 Sq. Ft. GFA <br> Variable Value: 23.7 

AM PEAK HOUR
Trip Rate: 1.87

|  | Enter | Exit | Total |
| :---: | :---: | :---: | :---: |
| Directional <br> Distribution | $73 \%$ | $27 \%$ |  |
| Trip Ends | 32 | 12 | 44 |


|  | Enter | Exit | Total |
| :---: | :---: | :---: | :---: |
| Directional <br> Distribution | $40 \%$ | $60 \%$ |  |
| Trip Ends | $\mathbf{2 3}$ | $\mathbf{3 5}$ | $\mathbf{5 8}$ |

## WEEKDAY

Trip Rate: 27.84

|  | Enter | Exit | Total |
| :---: | :---: | :---: | :---: |
| Directional <br> Distribution | $50 \%$ | $50 \%$ |  |
| Trip Ends | $\mathbf{3 3 0}$ | $\mathbf{3 3 0}$ | $\mathbf{6 6 0}$ |


[^0]:    ${ }^{1}$ Institute of Transportation Engineers (ITE), Trip Generation Manual, 10 ${ }^{\text {th }}$ Edition, 2017.
    ${ }^{2}$ Oregon Department of Transportation, Development Review Guidelines, 2017.

