## MEMORANDUM

$\begin{array}{ll}\text { To: } & \text { Tansy Schroeder - City Planner, City of Stanwood } \\ \text { From: } & \text { Matthew Palmer, PE } \\ \text { Subject: } & \text { Twin Cities Pole Yard } \\ \text { Date: } & \text { March 30, 2022 } \\ \text { Project: } & \text { GTC \#21-227 }\end{array}$


Gibson Traffic Consultants, Inc. (GTC) has been retained to provide a traffic analysis for the proposed Twin Cities Pole Yard development. The development is located at 7400 Pioneer Highway on the south side of Pioneer Highway in the City of Stanwood. A site vicinity map is included in Figure 1.

Specifically, this memorandum addresses the trip generation, trip distribution, access analysis and traffic mitigation fees. The site is currently vacant. The pole yard will be built on the site as well as a substation.

Matthew Palmer, responsible for this memorandum, is a licensed professional engineer (Civil) in the State of Washington and member of the Washington State section of ITE.

## 1. TRIP GENERATION

This site is a satellite storage yard for the main Arlington site so no scheduled visits/use just convenient to shorten trips for materials for northern jobs/workers that are having to travel to Arlington today. The client provided the following information regarding the operations of the pole yard:

- There are no permanent employees on site
- There will be no permanent heated structures on-site
- Employees visit the site at varying times between 6:30 AM and 3:30 PM
- Visits include picking-up and dropping-off power poles
- Access will be gated with access via a key card and security camera
- Based on Arlington Pole Yard data, no anticipated use after 3:30 PM

The Twin Cities Pole Yard is anticipated to generate between 6 and 10 daily trips using the operations information from the client. There is one trip that might occur during the AM peak-hour and one of that might occur during the PM peak-hour as a worst case.


A count at the existing site in Arlington was also performed by the independent count firm, TDG on April 14, 2016 during the PM peak-hour to confirm the anticipated trip generation. One heavy vehicle entered the pole yard and two heavy vehicles exited the pole yard 15 minutes before the PM peakhour of 4:00 PM to 5:00 PM. There were not any trips that occurred after 4 PM during the typical street peak hours. The proposed pole yard will be similar in size and use to the previous Arlington pole yard and is therefore not anticipated to be a significant trip generator.

## 2. TRIP DISTRIBUTION

The Twin Cities Pole Yard development will generate less than 3 peak-hour trips during the AM and PM peak-hours. A trip distribution should therefore not be required for the Twin Cities Pole Yard development.

## 3. ACCESS ANALYSIS

The Twin Cities Pole Yard is proposed to have access to Pioneer Highway, an urban major collector, with a posted speed limit of 35 mph . Based on the posted speed limit and roadway classification, the intersection sight distance required per the Stanwood Street and Utility Standards Minimum Street Design Standards Table is 390 feet measured from a point on the minor road 15 feet from the edge of the major road pavement. To both the east and west of the proposed site access there will be over 400 feet of sight distance.

## 4. MITIGATION

The Twin Cities Pole Yard is anticipated to generate 6-10 ADT. The Twin Cities Pole Yard development should therefore be required to pay traffic mitigation fees for the average of 8 ADT. The City of Stanwood has a mitigation fee of $\$ 368.17$ per ADT. This results in a mitigation fee to the City of Stanwood of $\$ 2,945.36$. No mitigation fees should be paid to Snohomish County or WSDOT as the AM and PM peak-hour trips is less than the threshold required for mitigation payments.

## Attachments




Tveit Road @ Power Station Driveway/Pole Yard Driveway
Arlington, WA

COUNTED BY:

REDUCED BY:
REDUCTION DATE:

CN
CN
Thu. 4/14/16

DATE OF COUNT: Thu. 4/14/16

TIME OF COUNT: 3:45 PM - 5:45 PM
WEATHER:
Sunny


[^0]|  | FROM NORTH ON Power Station Driveway |  |  |  |  |  |  | FROM SOUTH ON <br> Pole Yard Driveway |  |  |  |  |  |  | FROM EAST ON <br> Tveit Road |  |  |  |  |  |  | FROM WEST ON <br> Tveit Road |  |  |  |  |  |  | INTERVAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TIME INTERVAL | Peds | Bicycle | HV | U-Turn | Left | Thru | Right | Peds | Bicycle | HV | U-Turn | Left | Thru | Right | Peds | Bicycle | HV | U-Turn | Left | Thru | Right | Peds | Bicycle | HV | U-Turn | Left | Thru | Right |  |
| 1:45 PM - 2:45 PM | 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 | 0 | 0 |
| 2:00 PM - 3:00 PM | 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 | 0 | 0 |
| 2:15 PM - 3:15 PM | 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 | 0 | 0 |
| 2:30 PM - 3:30 PM | 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 | 0 | 0 |
| 2:45 PM - 3:45 PM | 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 | 0 | 0 |
| 3:00 PM - 4:00 PM | 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 | 0 | 0 |
| 3:15 PM - 4:15 PM | 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 | 0 | 0 |
| 3:30 PM - 4:30 PM | 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 | 0 | 0 |
| 3:45 PM - 4:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 41 | 0 | 0 | 0 | 5 | 0 | 0 | 60 | 1 | 104 |
| 4:00 PM - 5:00 PM | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 44 | 0 | 2 | 0 | 3 | 0 | 0 | 65 | 0 | 109 |
| 4:15 PM - 5:15 PM | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 37 | 0 | 2 | 0 | 2 | 0 | 0 | 69 | 0 | 106 |
| 4:30 PM - 5:30 PM | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 34 | 0 | 2 | 0 | 2 | 0 | 0 | 75 | 0 | 109 |
| 4:45 PM - 5:45 PM | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 29 | O | 2 | 0 | 2 | 0 | 0 | 76 | 0 | 105 |


[^0]:    3:45 PM - 5:45 PM PEAK HOUR: 4:00 PM $\quad$ TO $5: 00 \mathrm{PM}$

