

# City of Puyallup Traffic Scoping Worksheet

## PROJECT INFORMATION

Project Title: Kessler Portable Addition Date: 6/27/2022

Applicant Name: Christine Phillips Telephone Number: 253-627-4367

Project Description: One 864 square foot portable classroom

Year of Occupancy: 2022

Project Location: 1501 39th Ave SW - PN: 0419043117 Parcel Size: 18.93-acres

Proposed Number of Access Point(s): 2 Existing Number of Access Point(s): 2

Land Use	Quantity	ITE Land Use Code	Average Daily Trips	AM Peak Hour Trips*	PM Peak Hour Trips*
Existing Use(s):					
	-	-	-	-	-
Proposed Use(s) – Single Classroom Portable					
See attached	0.864 ksf	See attached	12.9	3.1	1.1
<b>Net New Trips</b>			12.9	3.1	1.1
<b>Traffic Impact Fees:</b> Net New PM Peak Hour Trips x \$4,500 = \$4,950					

- \* The project trips shall be rounded to the nearest tenth.
- \* The project trips shall be estimated using the ITE's *Trip Generation*, 11<sup>th</sup> Edition.
- \* Trip generation regression equations shall be used when the R<sup>2</sup> value is 0.70 or greater.
- \* For land uses that do not exist within the ITE's *Trip Generation*, actual field data shall be collected from three local facilities that have similar characteristics to the proposal.
- \* For single-family units and offices and specialty retail smaller than 30,000 SF, use ITE's *Trip Generation*, 11<sup>th</sup> Edition, average rate.

Identify all intersections that will be affected by 25 new project peak hour trips or more:

1. None 4. \_\_\_\_\_
2. \_\_\_\_\_ 5. \_\_\_\_\_

Prepared by: Traffic Engineer: Aaron Van Aken Telephone Number: 253-770-1401

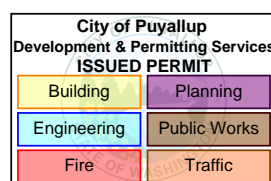
Address: 1011 E Main, Suite 453, Puyallup, WA 98371 [avanaken@heathttraffic.com](mailto:avanaken@heathttraffic.com)

### Office Use Only

TIS ☐ TAS ☐ TAIS ☐ No Further Work Required ☐

*Checklist (Please make sure you have included the following information):*

- ☒ Completed Worksheet ☒ Attach Site Plan ☒ Attach Trip Assignment ☒ Attach Trip Distribution  
☒ Mail or hand deliver to 333 South Meridian, Puyallup, WA 98371 or e-mail to [standle@ci.puyallup.wa.us](mailto:standle@ci.puyallup.wa.us)



Date: June 27, 2022

To: Christine Phillips, AICP, RA  
Architect & Planner  
BCRA Design

From: Aaron Van Aken, PE, PTOE

Subject: Kessler Portable Addition –Trip Generation Memo

The intent of this assessment is to provide the city of Puyallup with a trip generation memo for the proposed addition of a single portable to the District's Kessler Center.

### Project Summary

- A single portable addition is proposed to serve the Kessler Center Campus located at 1501 39th Avenue SW (parcel #: 0419043117)
- The new portable is intended to be used for the Puyallup Digital Learning program with 25 desks.
- Consistent with past portable additions, the trip generation estimates use the same methodologies and trip rates. Last Kessler Portable submittal for a double portable (1,728 sq. ft.) had a PM peak hour trip rate of 2.2 trips. A single portable, therefore, is estimated to create 1.1 trips in the PM peak hour.

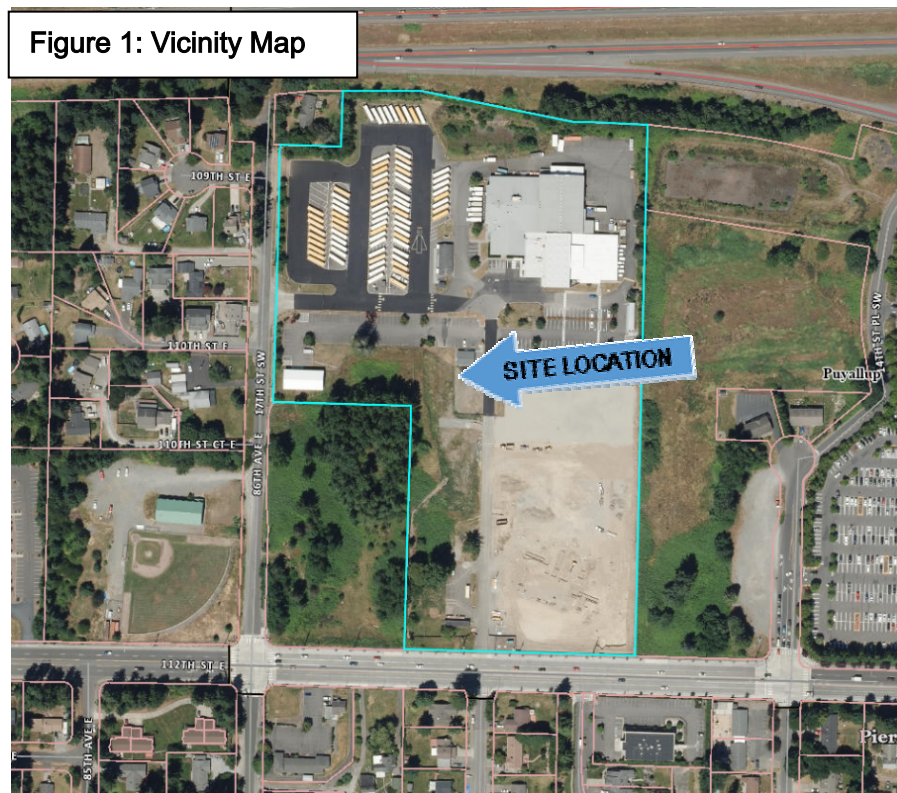
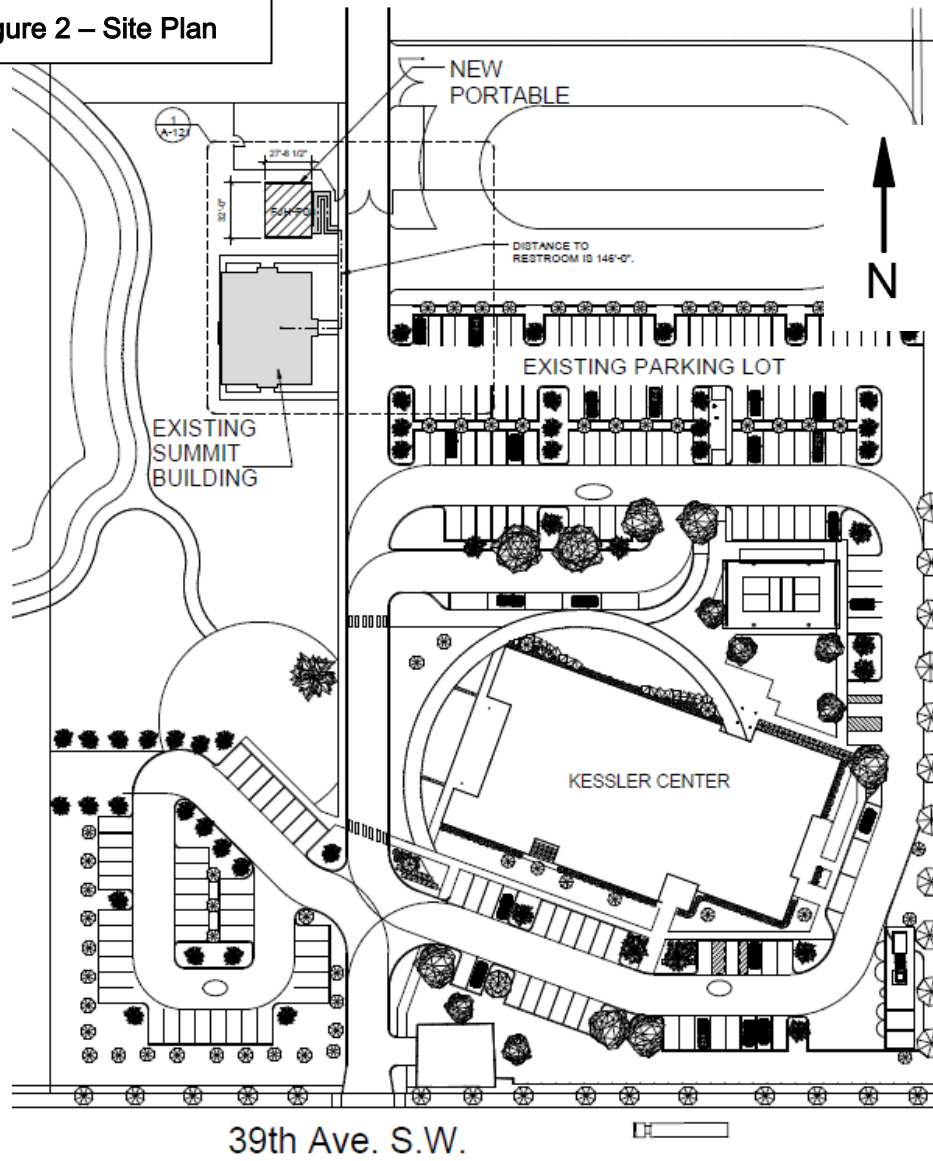


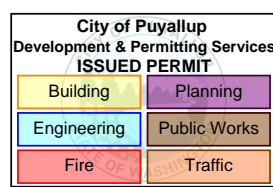
Figure 2 – Site Plan



KESSLER CENTER PORTABLE

PREVIOUS SCOPING SUBMITTAL

12/28/2022



# City of Puyallup Traffic Scoping Worksheet

## PROJECT INFORMATION

Project Title: Kessler Center Portables Date: 12/28/2020

Applicant Name: Frankie Topasna - Puyallup Schools Telephone Number: 253-435-6622

Project Description: Add 2 Portables to Kessler Center Campus Year of Occupancy: 2021

Project Location: 1501 39<sup>th</sup> Ave SW: PN 0419043117 Parcel Size: 18.98 acres

Proposed Number of Access Point(s): 2 Existing Number of Access Point(s): 2

Land Use	Quantity	ITE Land Use Code	Average Daily Trips	AM Peak Hour Trips*	PM Peak Hour Trips*	
Existing Use(s)						
Proposed Use(s)						
See attached From Kessler Scoping	1.728 ksf	See attached	25.8	6.2	2.2	
<b>Net New Trips</b>			25.8	6.2	2.2	
<b>Traffic Impact Fees:</b> Net New PM Peak Hour Trips x \$4,500 = \$9,900						

used same rates provided herein for consistency for the proposed new portable addition in 2022

- \* The project trips shall be rounded to the nearest tenth.
- \* The project trips shall be estimated using the ITE's *Trip Generation*, 10<sup>th</sup> Edition.
- \* Trip generation regression equations shall be used when the R<sup>2</sup> value is 0.70 or greater.
- \* For land uses that do not exist within the ITE's *Trip Generation*, actual field data shall be collected from three local facilities that have similar characteristics to the proposal.
- \* For single-family units and offices and specialty retail centers smaller than 30,000 SF, use ITE's *Trip Generation*, 10th Edition, average rate.

Identify all intersections that will be affected by 25 new project peak hour trips or more:

- N/A
- 
- 
- 
- 
- 
- 
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Prepared by: Traffic Engineer: Greg Heath, P.E. Telephone Number: 253-770-1401

Address: 2214 Tacoma Rd, Puyallup, WA 98371 gheath@heathtraffic.com

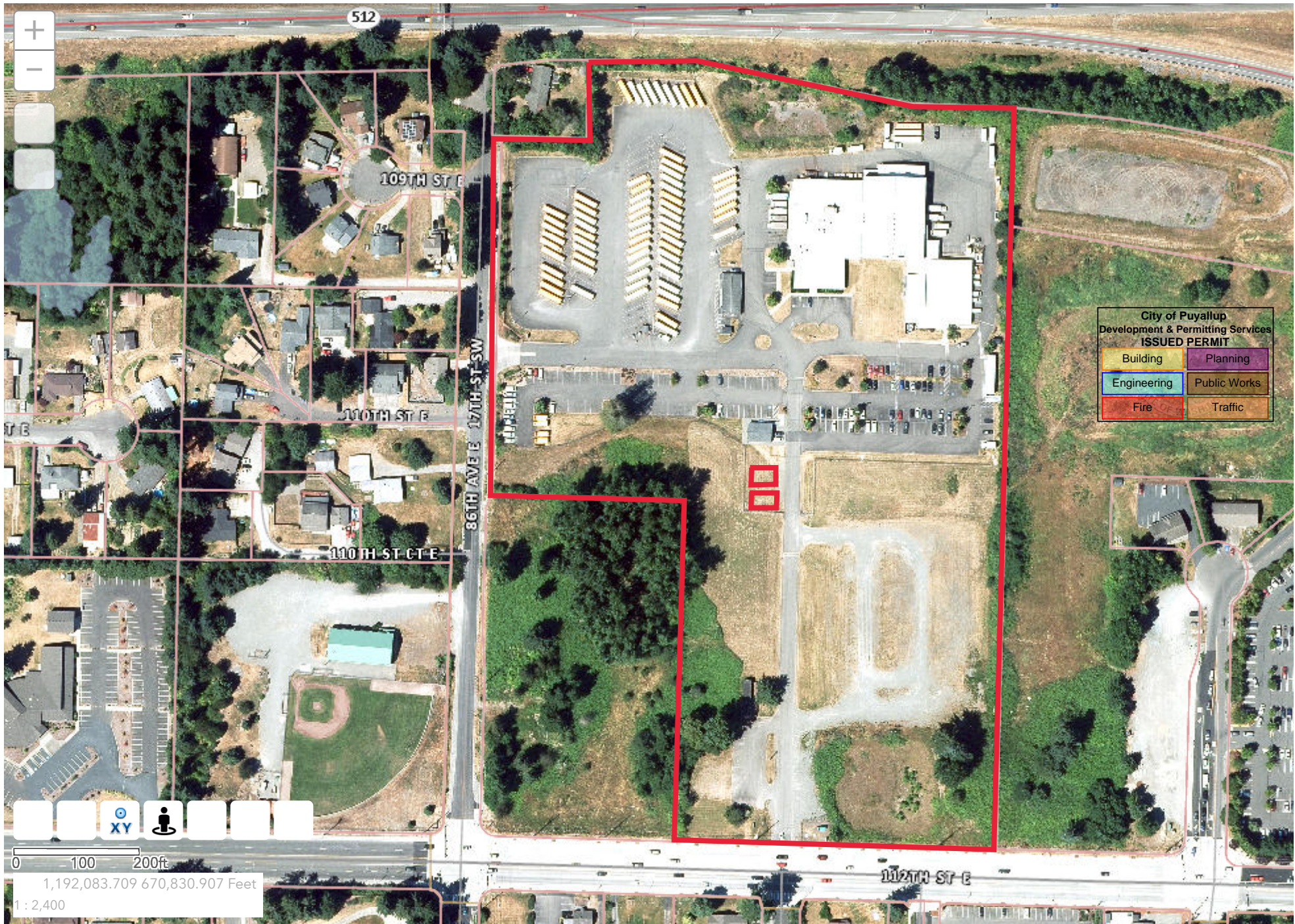
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July 8, 2019

Mr. Les Gerstmann  
Puyallup School District  
302 2<sup>nd</sup> Street SE  
Puyallup, WA 98372

Subject: Supplementary Letter for Kessler Center Scoping

Mr. Gerstmann:

This letter further describes the projected trip generation for the subject project. The site is currently operated by the Puyallup School District and contains bus activity, warehousing and other operations. The current proposal would build a multi-purpose building on the south portion with access primarily to 39<sup>th</sup> Avenue SE. The uses for the new facility would include the following:

### **Proposed Project**

The total building program is currently estimated at 38,000 square feet in the main building and 3,600 square feet in a separate building used for the Summit program. The total new building square footage to this campus is therefore 41,600 square feet allocated as follows:

#### ***High School Type Uses***

1. Advance Program = 4,200 square feet
2. Digital Learning = 12,400 square feet which would be used for Puyallup Online Academy and other programs
3. Summit Program = 3,600 square feet (separate building)
4. Interim Alternative Education = 1,000 square feet
5. Lobby, foyer and electrical-mechanical space allocation = 2,500 square feet

Total high school use = 23,700 square feet using LUC 530

#### ***Elementary School Type Uses***

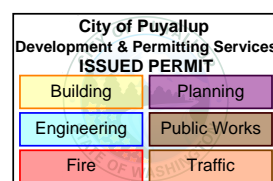
1. Highly Capable/Quest = 2,000 square feet
2. Child Find = 3,000 square feet
3. Lobby, foyer and electrical-mechanical space allocation = 900 square feet

Total elementary use = 5,900 square feet using LUC 520

#### ***School Administration Type Uses***

1. Special Services office = 8,400 square feet
2. Professional Development = 1,900 square feet
3. Lobby, foyer and electrical-mechanical space allocation = 1,700 square feet

Total office use = 12,000 square feet using LUC 538



In discussion, with the district only a small number of junior high students, less than 10, are expected to access this campus and would primarily be associated with the high school uses.

## Trip Generation

The building serves to augment the educational opportunities with programs that meet the students needs. The programs contained in the building are currently provided by the district but consolidation will create economies and collaborations for staff and students that couldn't be achieved under the presently dispersed arrangement.

The project trip generation can be defined by the use along with the square footage based on that use. This is consistent with the city of Puyallup approach when scoping the impact of school projects within the city.

Attached to this document are excerpts from the ITE Trip Generation, 10<sup>th</sup> Edition for the following uses that are being offered on the site in the new Kessler Center building.

LUC 530 High School - independent variable = 23,700 square feet

LUC 520 Elementary School - independent variable = 5,900 square feet

LUC 538 School District Office - independent variable = 12,000 square feet

The trip generation is as shown in Table 1:

**Table 1**  
Project Trip Generation

Time Period	High School	Elementary School	School Dist. Off.	Total
<b>AWDT</b>	<b>333.5</b>	<b>115.2</b>	<b>172.4</b>	<b>621.1</b>
AM Peak Hour In	56.9	22.6	21.5	101.0
AM Peak Hour Out	23.2	18.5	6.8	48.5
<b>AM Peak Hour Total</b>	<b>80.1</b>	<b>41.1</b>	<b>28.3</b>	<b>149.5</b>
PM Peak Hour In	12.4	3.6	4.2	20.2
PM Peak Hour Out	10.6	4.4	20.3	35.3
<b>PM Peak Hour Total</b>	<b>23.0</b>	<b>8.0</b>	<b>24.5</b>	<b>55.5</b>
School PM Peak In	15.8	8.2	10 (est)	34.0
School PM Peak Out	35.2	10.4	10 (est)	55.6
<b>School PM Peak Total</b>	<b>51.0</b>	<b>18.6</b>	<b>20 (est)</b>	<b>89.6</b>



## Proposed Access

The Kessler Center represents a substantial change in use on the site. It is important that the student type uses be disassociated with the northerly portion of the site from a safety and interaction standpoint.

The northerly access to the commercial and transportation portion of the site would be designated via 17<sup>th</sup> Street SW and use of the signalized intersection at 17<sup>th</sup> Street SW and 39<sup>th</sup> Avenue SW.

The primary access to the Kessler Center would be designated to be the present access onto 39<sup>th</sup> Avenue SW. This access is currently restricted to right in, right out and it is desirous to allow for the addition of left turns in to this entrance for the benefit of students, parents and staff. Though interaction with the northerly commercial portion of the site can take place, the addition of left turns in to the 39<sup>th</sup> Avenue SW access would lessen interaction between the two disparate uses.

Preliminary LOS analysis of this access indicates that the access can operate at an acceptable LOS with the addition of Kessler Center traffic predicated on the city allowing left turns in to the site along with right turn in and right turn out.

Please call if you require anything further.

Sincerely,

Gregary B. Heath, P.E.

