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October 2, 2020

621-02  
Electronic Mail

Steven Doctor  
SASD Development Group, LLC  
csdoctor01@gmail.com

REF: Trip Generation Analysis for a Proposed BA Community Based Outpatient Clinic  
Located on Knudsen Drive

Dear Mr. Doctor:

This letter is in response to your request for a trip generation analysis, as required by the City of Bakersfield for a proposed 39,648 square foot VA Community Based Outpatient Clinic. The proposed clinic is located along the east side of Knudsen Drive. Proposed access is along both Knudsen Drive and future Landco Drive. The site plan shows separate parking for staff and patient parking.

### ***Trip Generation***

The trip generation and design hour volumes shown in Table 1 were calculated using the Institute of Transportation Engineers (ITE) Trip Generation, 10<sup>th</sup> Edition. The AM/PM rates and directional splits for ITE Land Use Codes 630 (Clinic) were used to estimate trip generation for weekday peak hour of adjacent street traffic.

**Table 1**  
**Trip Generation**

General Information			Daily Trips		AM Peak Hour Trips			PM Peak Hour Trips		
ITE Code	Development Type	Variable	ADT RATE	ADT	Rate	In % Split/ Trips	Out % Split/ Trips	Rate	In % Split/ Trips	Out % Split/ Trips
630	Clinic	39.6 1000 sq ft GFA	38.16	1511	3.69	78% 114	22% 32	3.28	29% 38	71% 92

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From Table 1, it can be seen that the project would generate approximately 1,511 daily trips, 130 trips during the PM peak hour and 146 trips during the AM peak hour of a typical weekday. The attached figure shows the anticipated trip distribution along Knudsen Drive.

Please contact me should you have any questions.

Very truly yours,

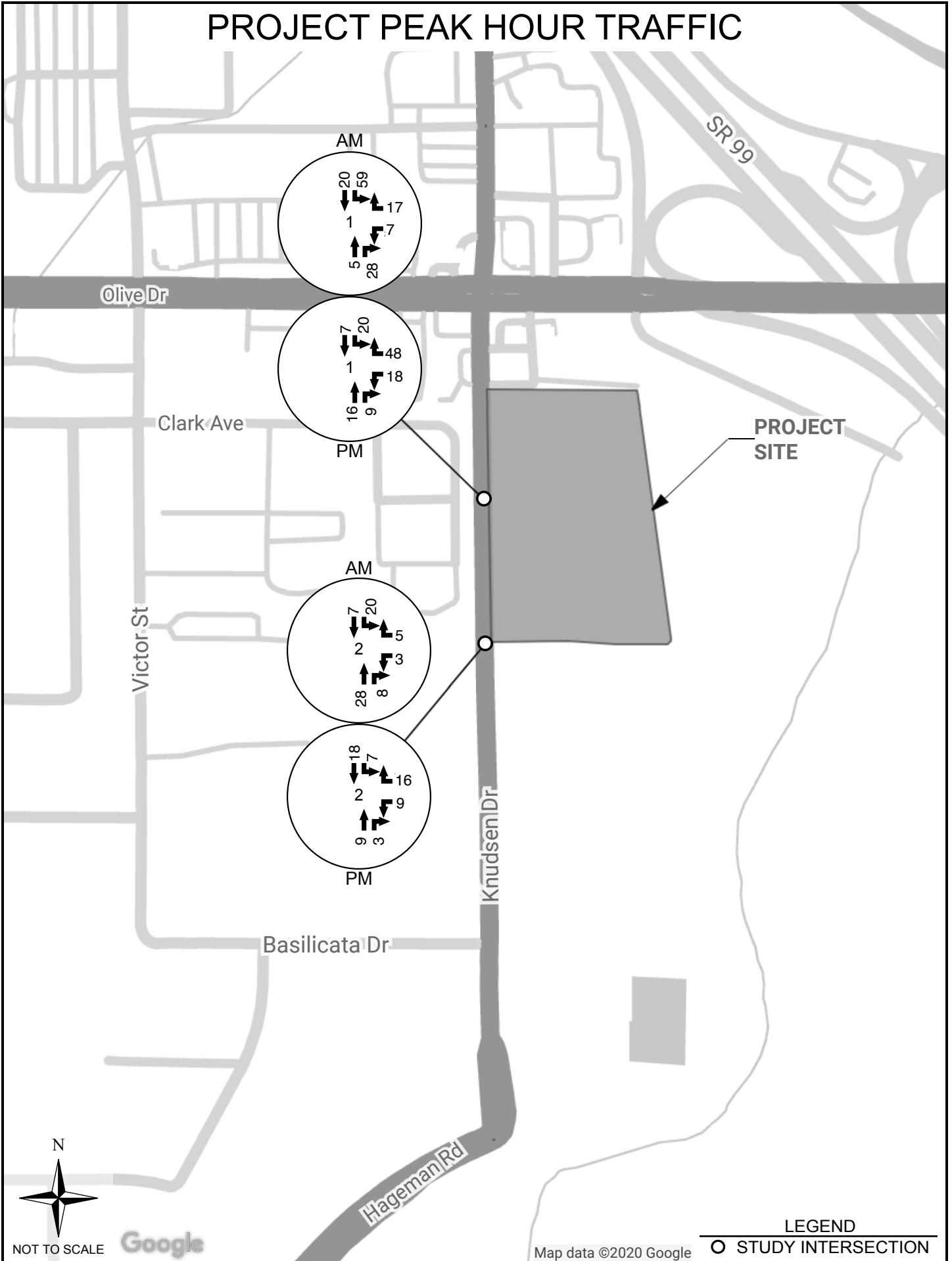


Ian J. Parks  
R.C. E. 58155



Attachment

# PROJECT PEAK HOUR TRAFFIC



NOT TO SCALE



Map data ©2020 Google

LEGEND  
 ○ STUDY INTERSECTION