



October 26, 2022

David M. Aitken, Director of Government Affairs  
Pyramid Management Group, LLC  
The Clinton Exchange 4 Clinton Square  
Syracuse, NY 13202  
davidaitken@pyramidmg.com

RE: Relocated Full Access Driveway on Rapp Road, Town of Guilderland, Albany County, NY  
JMT Job No. 20-02057-001

Dear Mr. Aitken,

JMT of New York, Inc. (JMT) understands that the proposed Northerly Driveway to Site 2 on Rapp Road is proposed to be relocated 150-feet south of the current proposed location to provide safer internal movement for vehicles and pedestrians. JMT analyzed the corridor and previous driveway location in a letter dated June 3, 2022 followed by a concept plan dated June 21, 2022 which was agreed to by GPI on June 24, 2022. JMT has now reviewed two traffic items as a result of the relocated driveway.

## QUEUE ANALYSIS

The queue lengths of the Rapp Road southbound approach from the Rapp Road/US 20 intersection were evaluated and compared to the new proposed driveway location. The 95th percentile queue lengths were compiled from Trafficware's Simtraffic and were summarized in the June 3, 2022 letter. The Northerly Driveway is now proposed to be 450 feet north of the US 20 intersection and the Simtraffic results for the weekday PM peak hour in the Build 2022 scenario result in 95<sup>th</sup> percentile queues at the Rapp Road southbound left, thru, and right lanes of 197 feet, 300 feet, and 269 feet respectively. The queues are not expected to impact vehicles exiting the Northerly Driveway.

## SIGHT DISTANCE ANALYSIS

JMT staff conducted a field investigation and measurements on February 15, 2022. Observations along Rapp Road at the proposed Northerly driveway entrance note the sight distances at multiple driveway locations. The team performed measurements to verify the intersection sight distance (ISD) for multiple Rapp Road Northerly Driveway locations. The driveway was evaluated as a Class B – Intersection (intersection with stop control on the minor road) in accordance with Exhibit 5-30 of the NYSDOT Highway Design Manual. The driveway was reviewed for ISD based on *Concept Plan SK-11 Rev 1* by Colliers Engineering & Design dated 10/19/2022 and the results are summarized in **Table 1**.

**Table 1: Intersection Sight Distance for Non-Signalized Intersection**

Location	Location Description	ISD (feet)				Posted Speed (mph)	Design Speed (mph)
		Measured		Standard <sup>1</sup>			
		Looking Left (South)	Looking Right (North)	Looking Left (South)	Looking Right (North)		
Relocated Site Drive	Rapp Road 450 ft. North of US 20	450'	500'	365'	440'	30	35

1. Standard values were obtained from NYSDOT Highway Design Manual - Appendix 5C; Tables 5C-3 & 5C-4 assuming Rapp Road is reconstructed as a three-lane corridor (two travel lanes with a center turn lane).

Field measurements of ISD if the proposed site driveway were located 450-feet north of US 20 indicate the ISD available meets the standard requirements.

## CONCLUSIONS

Upon evaluating the Northerly Driveway proposed location, the Rapp Road southbound approach queues will not impact the driveway and sight distance is acceptable. JMT supports the installation of a full-access driveway on Rapp Road located 450 feet north of US 20. If you have any questions or need further information, please do not hesitate to contact me at 315-937-2151 or [scarroll@jmt.com](mailto:scarroll@jmt.com).

Very truly yours,

JMT of New York, Inc.



Sarah Carroll, PE, PTOE

SC/cm

Cc: James Soos, Pyramid Management Group, LLC  
Christina Minkler, PE, JMT  
Matthew Collingwood, PE, JMT