



December 17, 2014

Mr. Rodney Zancanata
Fire Marshal, City of Coconut Creek
4800 West Copans Road
Coconut Creek, FL 33063

RE: *North Broward Preparatory School (PZ-14030005)*
Fire Lane Access – South Driveway
Kimley-Horn #144428008

Dear Mr. Zancanata:

As a part of the improvements proposed to be made at the North Broward Preparatory School site located at 7600 Lyons Road, a striped-out lane, measuring 10 feet in width, is proposed to be added to both the north and south driveways. This striped-out lane is located between the entry and exit lanes on both driveways. The purpose of this lane is to maintain an unencumbered route for emergency vehicle access in the event that the standard inbound and outbound lanes at the driveway contain a queue of vehicles, such as at arrival or dismissal.

Both driveways include security gates and a guardhouse. At both guardhouses, the lane is proposed to wrap around the north side of the guardhouse, adjacent to the exiting lanes. The reason this lane wraps around the north side of the clubhouse instead of the south side is because a 10-foot separation would be created between the guardhouse and the standard inbound lane, which would create difficulty and inefficiency when guards are processing typical parent/visitor vehicles on a daily basis.

Having the striped-out lane wrap around the north side of the guardhouses is not anticipated to create operational concerns. First, it is anticipated that this lane would be used only very rarely. If an emergency response vehicle visits the site, it would typically use the standard inbound lane used for everyday vehicular travel. Only in a case in which travel on the inbound lane is impeded by a queue of vehicles, which occurs during a limited window of time during morning arrival and afternoon dismissal, would the emergency vehicle use the striped-out lane. In those instances, even though the inbound emergency response vehicle would travel on the north side of the guardhouse, the vehicle would still be traveling to the right side of the outbound lanes, which follows the standard pattern of two-way traffic flow. Moreover, if the striped-out lane were shifted to the south side of the clubhouse, the opposite situation would be created for exiting emergency response vehicles if travel on the exiting lane was

impeded by an exiting queue of vehicles. Therefore, the proposed design is appropriate for the site, especially given the rare frequency in which the striped-out lane would be needed for use.

Should you have any questions regarding this information, please contact me via e-mail at chris.heggen@kimley-horn.com or via telephone at (561) 840-0248.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.



Christopher W. Heggen, P.E.
Transportation Engineer

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