



MEMORANDUM

TO: Mark E. Hoffman, P.E., Loudoun County, Department of Construction & Waste Management

CC: Matt Horne, P.E.
Kimley-Horn and Associates, Inc.

FROM: Geoff Giffin, P.E., PTOE
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DATE: June 5, 2012

SUBJECT: SPEX - Byrne's Ridge Park – Field Lighting – Traffic Statement

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INTRODUCTION

In accordance with a phone conversation with the Loudoun County Office of Transportation Services, this memorandum serves as a traffic statement for the Byrne's Ridge Park Special Exception submittal. Byrne's Ridge Park is a 26-acre park located on Mineral Springs Circle in the Stone Ridge neighborhood in the Dulles South area of eastern Loudoun County. The existing park contains three large soccer fields, three baseball/softball fields, and an asphalt trail. The proposed improvements consist of adding field lighting to the six existing sports fields. The addition of field lighting is proposed in the SPEX to meet the demand of local sports leagues. The lights will allow greater utilization of the fields beyond daylight hours. Byrne's Ridge Park currently has two driveways along Mineral Springs Circle; one opposite Greenstone Drive and one opposite Zircon Drive. The park currently has approximately 190 parking spaces.

PEAK HOUR TRIP GENERATION

The proposed field lighting at the Byrne's Ridge Park is assumed to have no net increase in peak hour trip generation since the proposed lighting would extend activity into the evening hours, outside of commuter peak hours.

The Loudoun County Facilities Standard Manual (FSM) does not have minimum thresholds for traffic impact studies. Per the VDOT Traffic Impact Regulations (revised January 2012), a traffic impact analysis is triggered for a rezoning application when daily traffic generation exceeds 5,000 trips. As a worst case scenario assumption, the existing parking lot would fill twice during the evening for sports league games. This "worst case" would result in 760 daily trips (190 trips x 4) which is below the VDOT threshold.

CONCLUSIONS

It is concluded that the proposed field lighting at Byrne's Ridge Park will generate negligible peak hour trips and therefore does not require a traffic impact analysis.