



# CITY OF RAPID CITY

RAPID CITY, SOUTH DAKOTA 57701

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## Public Works Department Engineering Services Division

300 Sixth Street

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Kyle Treloar  
Dream Design International, Inc.  
528 Kansas City Street, Suite 4  
Rapid City, SD 57701

RE: Utility Permit – Median removal and re-striping in Eglin Street

Dear Mr. Treloar,

The City of Rapid City Engineering Services Division in conjunction with the South Dakota Department of Transportation has reviewed your request for proper consideration of the removal of a median on Eglin Street at the intersection of Eglin and Elk Vale Road adjacent to the LaGrand Station Convenience Store. Your letter of August 14, 2015 includes an attachment which shows minimum approach distances shown on Figure 2-9 of the City of Rapid City Infrastructure Design Criteria Manual (IDCM). Section 2.2.2 of the IDCM defines an arterial street as *"A street serving the highest traffic volume corridors and major centers of activity. Traffic studies and AASHTO standards shall be used to determine the final design criteria for all arterial streets. These streets are designed with limited access to preserve capacity and enhance safety. Locations for arterial streets are as described on the adopted Major Street Plan."* Eglin Street is an arterial street. Section 1.5.1 discusses Minimum Criteria and states, *"These criteria prescribe the minimum requirements to be met or exceeded when designing all public improvements. Whenever the criteria are found to be inconsistent with any other adopted standards, regulations, or codes, the more restrictive standards, regulations or codes shall control..."*. AASHTO standards for arterial intersection design are not only important to insure safe and orderly traffic movement but are required by the IDCM. The current intersection layout is appropriate for roadway user safety for Eglin Street and Elk Vale Road not only today but well into the future. Any reduction in the median will likely compromise user safety. Attached is a letter from the DOT regarding this request and how the current east bound traffic backs up into the area that is requested for median removal and how it will negatively impact Elk Vale Rd. in the future.

Dr. Pankratz and the South Dakota Department of Transportation entered into an agreement regarding the construction of Eglin Street whereby both parties paid for 50% of the construction of the roadway. The agreement states that the Owner (Dr. Pankratz) will furnish the design of Eglin Street and that the design shall be in accordance with DOT and City of Rapid City design standards. Dream Design International, Inc. (DDI) prepared the construction plans for Dr. Pankratz and submitted them to the DOT for bidding purposes. It is presumed that DDI followed DOT and/or AASHTO standards when the intersection was designed as the design appears to be consistent with access management criteria for arterial/arterial intersections.

In conclusion, the City of Rapid City Engineering Services Division recommends the current median and intersection layout remain in place to preserve intersection safety. Any reduction in the median may result in a short term improvement in access to the adjoining properties but would significantly reduce the safety of future users of Eglin Street and Elk Vale Road as well as the users of the adjoining properties.

Sincerely,



Dale Tech, PE/LS  
City Engineer  
City of Rapid City

Cc:

Ted Johnson  
Terry Wolterstorff  
Tom Horan, SDDOT