Design Variance Request

Local Public Agency: **Date:**
County:
Route/Termini:
LPA Project Number:
MDOT Project Number:

This report has been developed to provide justification for a Design Exception Request for the following items:

1. Depth of Ditch (3 foot in lieu of 4 foot)
2. Side Slopes (2.5:1 in lieu of 3:1)

The above referenced project is 0.6 miles in length and involves the widening of Main Street from four lanes to five lanes in the City of_____. Main Street is classified as an urban arterial.

The request for design exception approval for <u>depth of ditch</u> in in reference to the MDOT Roadway Design Manual requiring a 4 foot deep ditch for 3R projects on urban arterials. The City is proposing to use a 3 foot deep ditch to avoid extensive utility relocations and acquisition of right-of-way.

The request for design exception approval for <u>side slopes</u> is in reference to the MDOT Roadway Design Manual requiring 3:1 maximum fill slopes and 3:1 maximum cut back slopes for 3R projects on urban arterials. The city is proposing to use 2.5:1 fill slopes in one location for a length of 300 feet. The reasons steeper slopes are needed include acquisition of right-of-way and extensive modifications to existing properties.

Neither of the design criteria involved in (depth of ditch and side slopes) is a controlling design criterion.

The posted speed limit is 35 mph. The existing ADT is 4000 vpd. The design year (2035) ADT is 6200 vpd.

This section of Main Street does not have a high crash rate.

Additional information will be provided if necessary.

Based on the aforementioned reasons, approval of design variances for dich depth and side slopes is requested.

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Jane Doe, PE
Consultant Engineer (or City Engineer)

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John Buck
Chief LPA Official