

OHIO DEPARTMENT OF TRANSPORTATION

INTEROFFICE COMMUNICATION

DATE: 3-28-90

TO: Fred J. Hempel; Division Administrator, FHWA

FROM: D.K. Huhman, P.E., Engineer of Location and Design

SUBJECT: Design Exceptions

Project [REDACTED]

PID No. [REDACTED]

Federal Project No. SR-589 ()

Functional Classification Collector

Urban _____ Rural ✓

This office has reviewed the design features of the above project and hereby request exceptions to the minimum standards for the following design elements:

- | | | | |
|-----------------------------------|----------|-------------------------|-------|
| Lane Width | _____ | Grades | _____ |
| Shoulder Width | _____ | Stopping Sight Distance | _____ |
| Bridge Width | <u>✓</u> | Cross Slopes | _____ |
| Structural Capacity | _____ | Superelevation | _____ |
| Horizontal Alignment | _____ | Horizontal Clearance | _____ |
| Vertical Alignment | _____ | Vertical Clearance | _____ |
| Bridge Parapet/Curb Configuration | _____ | | |

We have attached the required justification material. Your review and approval is requested.

~~DKH~~
DKH:nlb
JEE
Attachment

cc: District 12 w/ATTACH.
Area Engineer w/attachments
Exceptions File w/attachments
Reading file
File w/attachments

Request For Design Exception

Co. Geauga Rt. S.R. 608 Section 7.10
PID = 5200 Functional Classification State Rural Collector

1. Existing Conditions (Bridge)

Design Speed 55 mph Pavement Width 24 ft. Pavement Type Asph/Concrete Slab
Shoulder width Left 2.5 ft. Right 2.5 ft. or Curb _____
Posted Speed Limit 55 mph
Current Traffic Volume 3400 K. 10% D. 50% T. 6%
Traffic Signals N/A
Railroad and Type of protection N/A

2. Proposed Improvement (Bridge)

Design Speed 55 mph Pavement Width 24 ft. Pavement Type Asph/Conc. Box Bear
Shoulders width 6 ft. Type N/A or Curb _____
Posted Speed Limit 55 mph
Design Traffic Volume 4760 K. 10% D. 50% T. 6%
Proposed Traffic Controls N/A
Treatment of Railroad N/A

3. Deviations

Identify Deviations from Standards and indicate source of Standards.

See Addenda

4. Deviation Justification

Explain the necessity for deviation from standard and explain what items are being provided to alleviate the condition, why the deviation from standard will not cause operational problems and/or other reasons why this deviation will not cause operational problems.

Necessity for deviation is to avoid unnecessary Right-of-Way acquisitions and Construction costs. Proposed 36' bridge width improves existing width of 29ft. Accident data shows deviation from standard will not cause any operational problems.

5. Accident Data

No. of accidents, three years 0 Rate /annual million vehicle mi.
Accidents occurring at Night Daylight
Pavement Wet Dry
Type of Accident: Run off Road Angle Rear End
Intersection or Drive Drinking Other types of accidents
that are occurring on the existing roadway.

Discuss the effect the deviation from the Design Standard is expected to have on the accident history, also, discuss effect the project as a whole is expected to have on the accident history.

No past accidents within last three years. Anticipate area to continue as a low accident location.

6. Local Standards

List applicable local standards and deviations or compliance.

State routes in townships under ODOT Jurisdiction.

7. Right-of-Way

Discuss affected items in relation to adjacent property such as drives, walks, acquisition of property, existing R/W width, proposed R/W width buildings damaged or acquired, commercial or residential property, trends in property development, etc.

Rural area - No buildings, drives, etc. immediately adjacent to structure. Only possible temporary right-of-way may be required.

8. Future Improvements

Discuss status of adjoining sections of this road and future plans, indicate the type of operation such as in (1 Existing Conditions).

No future widening planned for S.R. 608 at this location.

ADDENDA

3. Source of standard used was ODOT Location and Design Manual (Table 401-7, March 1987). The requested deviation is to construct a 36 ft. wide structure. Standard design dictates a bridge width of ~~44~~ ft.

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