

DEPARTMENT OF TRANSPORTATION
LOCATION AND DESIGN
REQUEST FOR DESIGN OF BRIDGE

To: State Structure & Bridge Engineer

From: Design Engineer: _____

Subject: Request for Design of Bridge
FMS II Structure ID: _____
(HTRIS 5-digit number)

Date: _____
Rte: _____
Proj. _____
UPC: _____
Begin Date Activity: _____
End Date Activity: _____
City/County: _____
Fr: _____
To: _____
Bridge Carrying _____
Over _____ Sta. _____

This memorandum is to advise you that preparation of road plans for the above project is in progress, and you are requested to begin and continue the preparation of plans for the above-described structure.

_____ This project is on the National Highway System (NHS) and the construction estimate is \$25 million or greater; therefore, the FHWA requires a Life Cycle Cost Analysis (LCCA), including user costs, be conducted. Please furnish the Project Manager with a copy of the LCCA documentation.

Please provide Stage I bridge plans showing Bridge Type, Size, Location and Estimate by:

(Please notify the L & D Project Manager if adjustment is necessary to this date.) _____ (P.H. distribution date)

By copy of this memorandum we are requesting the following Divisions and individuals to initiate the indicated action. Please advise the Structure and Bridge Division with a copy to this office at the earliest possible date.

_____ Location and Design Traffic Engineering Design Section Structure illumination requirements including the type, luminaire, mounting heights, layout spacing, etc. Recommendation as to the necessity for pedestrian fence/screening and if any, special requirements for sign mounting and signals are to be included in the bridge design.

_____ Transportation and Mobility Planning Division Recommendation as to bikeways, pedestrian ways including barriers and width of flush walkways, or of raised sidewalks.

_____ District Materials Engineer Check status of foundation investigations. Check pavement LCCA if NHS Roadway.

_____ Right of Way & Utilities Division-Rail Coordination Railroads – If applicable, request requirements of the Railroad, including a sketch showing the lateral and vertical clearance diagram, track and ditching profiles, classification of each track, etc.

Note: Railroads copy should have topo roll of plans attached.

_____ Location and Design Utilities Section	Utilities – In conjunction with your Utility Field Inspection or at the earliest possible date, please advise of any utility lines which are to be carried on or under any portion of the structure.
_____ Construction Division Federal Programs Management Division Local Assistance Division	Check that the presently scheduled advertisement date is _____, and notify of any subsequent changes in the advertisement date for this structure.
_____ Environmental Division	Recommendation as to soundwalls or environmental considerations, which would affect the design of this bridge.

1. Please furnish an approximate estimate.
2. Bridge Situation Plans:
 - ____ a. Furnished with this memorandum
 - ____ b. Furnished to Structure and Bridge Division on _____
 - ____ c. Will be furnished by approximately _____
 - ____ d. Have not been requested; Please request Bridge Situation Plans from the Location and Design Survey Section as necessary.
3. Preliminary grade, typical section, and alignment data covering the bridge location and approaches is available in Falcon _____; has been furnished to you on _____, or will be furnished you by approximately _____
4. Any field recommendations, such as for disposition of existing structure, conditions of traffic maintenance, recommendations for channel change, etc., will be forwarded to you as soon as received. It is expected that the recommendations resulting from scheduled field inspection will be available to you by _____.
5. The preparation of the road plans for this project is under the supervision of _____ who will keep you officially informed as to the status of the project, including current advice in the commencement of any changes in road plans pertinent to the bridge.

Note: The Structural Engineer will please arrange for a meeting with the roadway designer prior to beginning the bridge design. The purpose of this meeting is to resolve the geometrics in order for the approach guardrail to be compatible with the bridge geometrics. If a resolution of the geometrics is unsuccessful, the matter will be referred to the Structural Engineer for determination.

6. Remarks by Location and Design Division (Additional information, comments, etc.):

7. Furnished with this memorandum or the situation plans is a topo sheet, or similar map showing the crossing of this stream for your convenience in making inquiry to the Corps of Engineers to determine whether a formal permit to build over this stream is necessary.
Not applicable _____
8. More detailed grade and alignment data, including typical sections will be furnished when available, probably by _____
9. Please submit a Form BR-153A to this office with the indicated information as soon as practical.
10. If this bridge involves a waterway crossing, please notify the Hydraulics Section of the anticipated dates for submission and desired completion of the hydrologic and hydraulic analysis. These dates should be furnished as soon as possible.

NOTE: Plans are available in FALCON and FALCON Web for viewing or printing.

CC: State Survey Program Manager
State Hydraulics Engineer
Transportation and Mobility Planning Division
District Bicycle/Pedestrian Coordinator
State Bicycle/Pedestrian Coordinator
Design Engineer
Project Manager