

CHAPTER II
PRELIMINARY DESIGN

Inter-Office Correspondence

MISSOURI DEPARTMENT OF TRANSPORTATION

DATE: <Date>

TO: <Name>
<Title>

FROM: <Name>
<Title>

SUBJECT: District <#> - Design
Route _____, _____ County
<Description>
Job No. _____
Location Study Report

REMARKS

<Insert remarks about submittal>

PURPOSE AND NEED

PROJECT HISTORY:

CONCEPTUAL COST DATA:

Cost (\$1,000's)

Right of Way:
Construction:

DESCRIPTION OF EXISTING TRANSPORTATION FACILITIES

<Brief description>

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EXISTING FACILITIES

Beginning Log Mile	Pavement		Year Built	Roadbed Width	Min. R/W Width	Access Control
	Width	Type				

EXISTING BRIDGES

Bridge No.	Location	Type	Length	Width	Year Built	Condition Ratings		
						Deck	Super	Sub

EXISTING RAILROAD CROSSING

Name	No. Tracks	No. Movements	Speed	Present Protection

PROPOSED DESIGN CRITERIA

The proposed facility has a functional classification of *<functional classification>* with a design average daily traffic (ADT) *<traffic designation from Figure 404.1>*. In accordance with Figure 404.1 of MoDOT's Project Development Manual, and discussion with the district operations engineer, the following criteria will be used when designing this facility based on the stated functional classification and traffic in *<flat, rolling or mountainous>* terrain.

Const. ADT	Design ADT	Design Speed	No. & Width of Lanes	Median Width	Roadbed Width	Right of Way	
						Width	Control

A typical section of the proposed facility is included as *<state figure or exhibit number>* in the appendix.

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SYSTEM LINKAGE

Facility at the _____ end of the project:

Facility at the _____ end of the project:

OVERVIEW OF PURPOSE AND NEED

<Brief general discussion>

ACCIDENT DATA, SAFETY ENHANCEMENTS AND ACCESS MANAGEMENT

A summary of accident data is attached. <Delete this if none attached.>

High Accident Intersections - <Description>

High Accident Range - <Description>

<Are bicycle/pedestrian facilities to be provided on this project? Explain.>

<Does this section of highway meet current access management criteria? If not, can safety be enhanced by upgrading some or all of the access to the highway to meet criteria in the MoDOT Access Management Guidelines?>

ROADWAY CAPACITY

Segment	Construction Year		Design Year	
	ADT	LOS	ADT	LOS

Intersection Location	Construction Year LOS	Design Year LOS

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ROADWAY DEFICIENCIES

ADDITIONAL JUSTIFICATION

ALTERNATIVES ANALYSIS

<Insert discussion about the process used to get down to the final study alternatives>

FINAL STUDY ALTERNATIVES:

Red Line Alternate:

Green Line Alternate:

Blue Line Alternate(s):

COST ESTIMATES

SATISFACTION OF THE PURPOSE AND NEED

CONSTRUCTION IMPACTS

Utilities:

Handling Traffic:

Disposition of Existing Route:

LAND USE WITHIN THE STUDY AREA

ENVIRONMENTAL SUMMARY

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COMMENTS AND RECOMMENDATIONS

<Signature of Preparer>

Recommendations or Comments:

Attachments

Approved by: _____
<Signature>
<Name> , P.E.
District Engineer

<Date>