

DESIGN EXCEPTION REQUEST

Local Public Agency: Madison County **Date:** December 14, 2016
County: Madison
Route/Termini: Bozeman Road Widening and Reconstruction/MS 463 to
Gluckstadt Road
Project Numbers: LPA: N/A
MDOT: STP-6985-00(001)LPA / 106993-701000

Bozeman Road is an urban arterial in Madison County with an ADT (year 2016) of 17,600 on the southern section (MS Hwy 463 – Mannsdale Road), 12,500 on the central section (Mannsdale Road – Reunion Parkway) and 10,400 on the northern section (Reunion Parkway – Gluckstadt Road). The portion of the project between MS HWY 463 and Reunion Parkway also lies within the corporate limits of the City of Madison. The posted speed limit is 35 miles per hour from MS HWY 463 to Reserve Crossing and 45 miles per hour from Reserve Crossing to Gluckstadt Road. By the year 2040 it is projected to have ADTs of 28,300 (southern section), 20,100 (central section) and 16,700 (northern section).

The subject project is 3.1 miles long and involves the widening of Bozeman Road from a two lane, two-way facility to a roadway with a 4-lane divided typical section with a raised median. Curb and gutter will be placed adjacent to the outside traffic lanes on the completed facility. A 10-foot wide paved multi-use path will be located parallel to the roadway on the west side of the facility. See the attached typical section drawings. The design speed is 40 miles per hour from MS HWY 463 to Reserve Crossing and 50 mph from Reserve Crossing to Gluckstadt Road.

This document has been developed to provide justification for a Design Exception Request for the width of the outside paved/usable shoulder. Table 14-2G of the MDOT's Roadway Design Manual, 2001 Edition, requires a minimum width of 6 feet of usable outside shoulder for new construction or reconstruction projects on urban arterials. The County is requesting to reduce the minimum usable shoulder width to 2 feet, which shall constitute the gutter portion of the curb and gutter. The reduction is desired to minimize the impacts on adjacent properties which are extensively developed, and to preserve available space for pedestrian facilities, utilities and residential green space. Approval of this exception will also eliminate the cost of the additional width of pavement and cross drain structures that would accompany the wider shoulders. The majority of the traffic on Bozeman Road is

passenger vehicles and light trucks. Large trucks constitute a very small percentage of the current traffic, mainly because there are very few commercial or industrial properties along Bozeman Road or in the surrounding areas it serves. City and County zoning classifications in the area make it unlikely that this will change in the future. The proposed typical section will be a continuation of the typical section of Highland Colony Parkway, which intersects MS Highway 463 opposite Bozeman Road. The proposed typical section is similar to other existing urban arterials in the Jackson metropolitan area such as Old Canton Road, West County Line Road and Highland Colony Parkway.

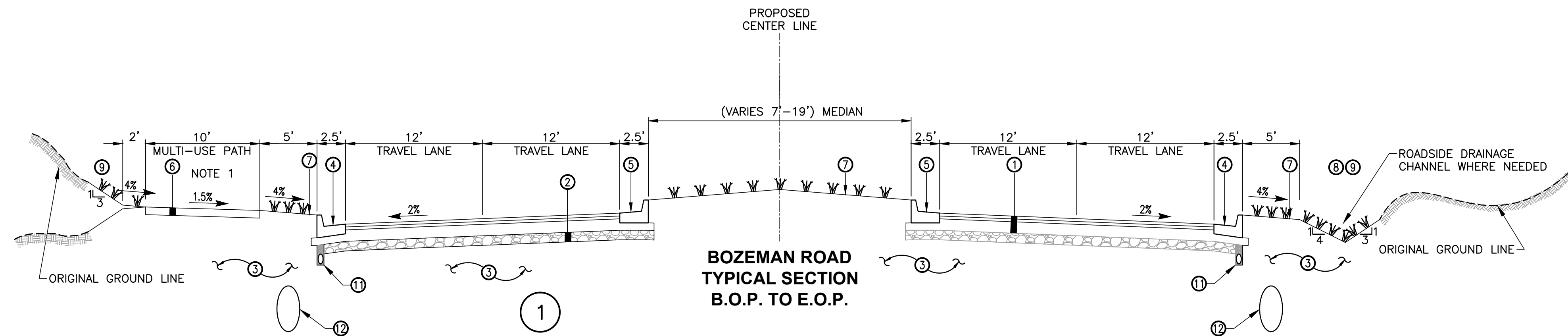
Based upon the above justification, your approval of this Design Exception is requested.

Please review this request and advise me if you have questions or, need additional information.

Trey Baxter
President, Madison County Board of Supervisors

NOTES:
1. 1.5% DESIRABLE, 2% MAXIMUM.

- ① ASPHALT PAVEMENT
- ② GRANULAR BASE
- ③ BORROW EXCAVATION OR SCARIFIED AND COMPACTED SUBGRADE
- ④ STANDARD CURB AND GUTTER (TYPE 3)
- ⑤ STANDARD CURB AND GUTTER (TYPE 3 MODIFIED)
- ⑥ 4" THICK CONCRETE SIDEWALK WITH REINFORCEMENT
- ⑦ SOLID SOD (BERMUDA GRASS)
- ⑧ DITCH REQUIRED WHERE INDICATED ON PLANS
- ⑨ DISTURBED AREAS TO BE VEGETATED PER VEGETATION SCHEDULE
- ⑩ NOT USED
- ⑪ TYPE I NORMAL UNDERDRAIN (CONNECT TO STORM SEWER INLETS)
- ⑫ SUBSURFACE DRAINAGE



FOR REVIEW
NOT FOR CONSTRUCTION

I:\projects\Bozeman Road Widening and Reconstruction\13440.dwg TypicalSections.dwg Wed, 14 Dec 2016 3:56pm

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

DRAWING INFORMATION	
N-S PROJECT NO.:	13440.001
FILENAME:	TypicalSections.dwg
SCALE:	AS SHOWN
SURVEYED BY:	
DSGN:	DATE:
DRWN:	DATE:
CHKD:	DATE:
QA/QC:	DATE:

MADISON COUNTY, MISSISSIPPI
BOZEMAN ROAD WIDENING
AND RECONSTRUCTION
CONCEPTUAL

SEAL:

NEEL-SCHAFFER
Solutions you can build upon

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Jackson, MS 39201
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TYPICAL SECTIONS	
WORKING NUMBER: TS-1	DRAWING NUMBER: