



## MEMORANDUM

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**DATE:** February 11, 2019  
**TO:** Bureau of Structures  
**FROM:** Dane Partners  
**RE:** WisDOT ID 1007-10-02: I-39/90 at US 12/18 (Beltline) Interchange:  
Profile of Roadway Through the Core of the Interchange

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### Background Information

The IH 39/90 interchange with US 12/18, commonly referred to as the “Beltline Interchange”, is located on Madison’s east side and is a connection point to numerous highways in the area. The Beltline Interchange provides a vital link for traffic movements into and out of the Madison area.

Early in the design process, two alternatives were selected through the screening process to move forward to the detailed study phase. The two remaining designs were Alternative D-1 and Alternative F (see Attachment A). During the initial stages of the detailed study process the scope of the project was reduced and a new Purpose & Need for the project was developed. After the Purpose & Need for the project was redefined, several concepts were developed to improve IH 39/90 through the core of the interchange and satisfy the revised Purpose & Need requirements of the project. After completion of the screening process, a preferred alternative (see Attachment B) was selected that accommodated the future alignment and profile of northbound IH 39/90 for both Alternative D-1 and F from the detailed study.

All northbound IH 39/90 structures through the core will be designed and built to accommodate three lanes of traffic with 12 foot shoulders. In addition to the structures that are being constructed as part of the preferred alternative, one additional structure would be required for Alternative D-1 to span the proposed eastbound US 12/18 to northbound IH 39/90 ramp. Since this structure is not required to span an existing roadway, it is not being constructed as part of the preferred alternative; however, the roadway profile is still being built to accommodate a structure in this location in the event that Alternative D-1 is built in the future.

### Conclusion

During the design and screening review process, it was decided by the Corridor Management Team (CMT) in November 2017 to move forward with a profile and alignment along northbound IH 39/90 that will accommodate a future design alternative.

# **Attachment A**

*Alternative D-1 & F*



WISCONSIN DEPARTMENT OF TRANSPORTATION

PROJECT ID: 1007-10-02  
1-39/90  
(I-39/90 & US 12/18 INTERCHANGE)  
DANE COUNTY

**39/90**  
**IMPROVING**  
a gateway to Wisconsin

**BELTLINE INTERCHANGE OVERVIEW**  
ALTERNATIVE D-1  
DECEMBER 2016

N

SCALE  
1" = 600'





WISCONSIN DEPARTMENT OF TRANSPORTATION

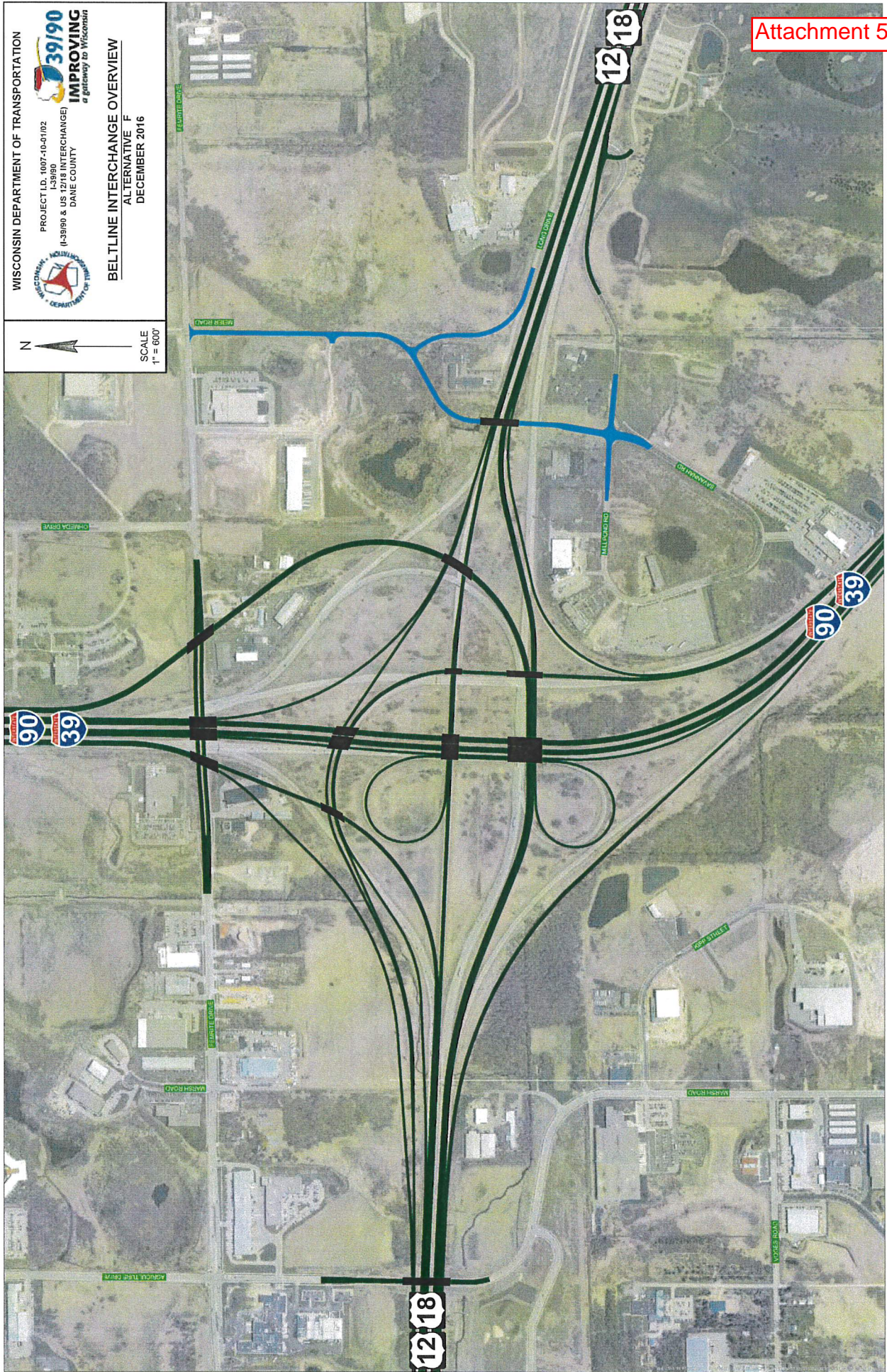
PROJECT ID: 1007-10-01/02  
 I-39/90  
 (I-39/90 & US 12/18 INTERCHANGE)  
 DANE COUNTY

**39/90 IMPROVING**  
 a gateway to Wisconsin

**BELTLINE INTERCHANGE OVERVIEW**  
 ALTERNATIVE F  
 DECEMBER 2016

N

SCALE  
 1" = 600'





## **Attachment B**

*Preferred Alternative*



