

## Project Scope, Schedule and Funding Summary

### Project Description

#### Summary of Crash Patterns

Between 2017 and 2021, there were 22 crashes observed at the intersection. 3 Serious injury crashes were observed during that time, with two occurring in the past year. 12 total crashes resulted in injuries, 54.5% of all crashes. 10 of the 22 crashes, 45.5% of the total crashes, were angle crashes. Of the 10 angle crashes, 5 occurred when westbound traffic on Blackwater Rd was struck by US 23 southbound traffic, 3 occurred when westbound traffic on Blackwater Rd was struck by US 23 northbound traffic, and 2 occurred when eastbound traffic on Blackwater Rd were struck by US 23 northbound traffic.

#### Summary of Recommended

#### Countermeasures

The alternatives selected for this intersection are either a Turbo Lane or partial RCUT. Work included with the Turbo Lane scenario would include: A southbound acceleration lane on US 23 for westbound traffic on Blackwater Rd turning left will be added as part of the turbo lane configuration. The west Blackwater Rd intersection leg's access will be restricted to right-in, right-out. Right turn lanes will be added in both directions on US 23. Finally, striping and delineation will be added to the median to direct traffic into the US 23 southbound acceleration lane. Work included in the partial RCUT scenario would include: restricting the access of Blackwater Rd, both legs, to right-in, right-out. A u-turn movement would be added north of the intersection for traffic intending to head southbound. Right turn lanes will be added on US 23 for both legs of Blackwater Rd. Estimate above is for the Turbo Lane.

#### Project Priority Information

#3 on District 9's Divided Highway Intersection List.

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## Additional Project Scope Information:

Issue	Likelihood	Comments
Lighting?	Yes	Lighting should be added as part of the project.
Any survey work already performed? (Email Survey Department)	Likely	Some survey data exists but further data may need to be collected.
Any survey control set? (Email Survey Department)	Likely	See above.
R/W needed? Provide comments on certainty/areas of concern	Not likely	
Signal Work? Describe	No	
Culvert work? Replacement? Widened? Check TIMS	Not likely	There are 5 culverts within the project area but none are expected to need replacement.
Anything else in area need included? (See ---- Email Template *File Path*)	Not likely	
Subsurface Exploration? Soil borings? Pavement cores? Check J:\Pavement\CORES and TIMS	Likely	Some shoulder cores were taken around the 19.88 MM but further soil borings are likely needed.
Known design issues?	Likely	A bridge structure exists just south of the intersection on US 23.
Areas where additional design investigation needed?	Likely	See above.
Public Involvement completed? Or needed?	Yes	Not completed. Will likely be needed due to access restrictions.
Access Issues/considerations?	Yes	Access ro be restricted at Blackwater Rd and traffic movement significantly imp
Materials to salvage?	No	
Known proprietary items?	No	
Pavement treatment? (If applicable)	N/A	
Adjacent or overlapping projects to combine/coordinate/ incorporate?	Not likely	

## Please check if applicable to this project:

Environmental work will be completed by District 9 staff  Follow D9 Detour Justification Process

Follow D9 Safety Project Process  Documents copied into Projectwise folder

Follow the D9 District Utility Coordinator Process

D9 Safety Project Process can be found at:  
J:\Traffic\OTHER\SAFETY\Safety Project Process

Available information:	Comments
Counts?	Yes
Certified Traffic?	No
New Certified Traffic needed?	No
Safety Study?	Yes
Feasibility Study?	Yes
Alternative Evaluation Report?	No
Geometric layout/ Preliminary Engineering? (Add any notes from PE designers)	Yes
<input type="checkbox"/> Documents copied into Projectwise folder	