Instructions

- The Project Initiation Package is intended to focus on critical issues that can be identified with existing information from secondary sources and/or identified during a site visit.
- Each specialty area of the Project Initiation Package should be completed by individuals who possess sufficient experience to enable them to correctly identify and evaluate issues arising from the field review.
- In the Location/Comments field provide information concerning potential impacts that is brief but gives enough detail to allow an understanding of the issue(s).
- The scope of services document should account for any issues identified in the Project Initiation Package that have the potential to affect scope, schedule, and budget.
- In some instances, resources/subject areas that may need to be consulted for the secondary source review are identified on this form.

Project Initiation Package Deliverables

Provide an expanded Study Area Map identifying project design, utility, right of way and environmental constraints identified through the Project Initiation Package. Tables, USGS and/or aerial mapping, photographs keyed to available project mapping, the plan to inform and involve the public, and other support material should also be submitted with the Project Initiation Package to illustrate specific problem areas.

General

Date(s) of field review:	5/16/2023

Project Name (County, Route, Section):	HIG-73-21.11	**PID:**	119769
Date Project Initiation Package Completed:	April 12th, 2024	**Prepared By:**	Matt McClellan
City, Township or Village Name(s):	Jackson	**ODOT Project Manager:**	Matt McClellan

Project Description: Replacement of Bridge No. HIG-73-21.11 and the necessary roadway approach work along SR 73.

Project Limits/Study Area/General Location: Approximately 250’ in each direction from the bridge.

ODOT DISCIPLINE INVOLVEMENT:

List name and phone number of individual(s) representing each discipline during the site visit and preparation of the Project Initiation Package. One individual may represent multiple disciplines.

DISCIPLINE	NAME	PHONE NUMBER
District Highway Management Representative	Arik Adams	
District Planning Representative	Max Francis	
District Environmental Coordinator	Brandon Beck	
District Utility Coordinator	Steve Pennington	

EXTERNAL AGENCY INVOLVEMENT:

ODOT DISCIPLINE INVOLVEMENT:		
List name and phone number of individual(s) representing each discipline during the site visit and preparation of the Project Initiation Package. One individual may represent multiple disciplines.		
DISCIPLINE	**NAME**	**PHONE NUMBER**
Indicate external agency involvement during identification of project issues affecting scope development. List the name and phone number of individual(s) representing each agency during the site visit.		
AGENCY	**NAME**	**PHONE NUMBER**
FHWA Engineer***		
Other (LPA, MPO, etc.)		
***** The FHWA Engineer should be invited on projects expected to require approval from Federal Highway Administration.**		

GENERAL EXISTING INFORMATION:	
Legal Speed:	55 MPH
Design Speed:	55 MPH
Opening Year ADT:	1,300
Design Year ADT:	1,400
Trucks (24 Hour B&C):	11%
Functional Classification:	Major Collector
Locale (Rural or Urban):	Rural
National Highway System (NHS):	No

LOCAL PLANNING COORDINATION:
Briefly describe local planning studies, bike/ped long range plans, aesthetics, etc. that will be considered throughout project development:
None

DISTRICT HIGHWAY MANAGEMENT STAFF CONCERNS:
List any comments/requests from the District Highway Management Staff.
None

CRASH DATA:	
Has a Safety Study been completed in the project area within past three years	***No***
Is the project area highlighted on the Safety Integrated Project Maps	***No***
Based on a spatial query (using GCAT or TIMS) of the three most recent years of crash data, briefly summarize crash history including pedestrian and bicycle crashes. Indicate any design features that may be contributing to the observed crash pattern that may be addressed by the project.	

There have been no crashes in the project area in the past 3 years.

ENVIRONMENTAL ISSUES:

Make a preliminary determination on whether the following resources are present within the project area. Is it possible that they will be affected by the project. Include the location and any other pertinent information for resources that may be affected.

Resource/Feature	Location/Comments
Parkland, nature preserves and wildlife areas {4(f)/6(f)}	4(f) – Boating (Paddling Access/Parking)
Threatened and Endangered Species and/or habitat	Mussel Stream – Mussel Recon scheduled for 2024
Scenic River	No
Existing wet areas/existing cattails/wetlands	No
Stream/river/waterway/jurisdictional ditch	Yes, and Ohio Brush Creek will have in-stream work restrictions
Historic Resources (buildings, structures, objects)	Unknown
Historic Bridge(s)	No
National Historic Landmarks	Unknown
Archaeological Sites	Unknown
Public Facilities	4(f) – Boating (Paddling Access/Parking)
Cemetery (modern and historic cemeteries)	No
Farmland	No
Watershed Specific (i.e. Darby or Olentangy) NPDES Permit Area	No
Air Quality non-attainment area or concerns	No
Landfill, Superfund, CERCLIS, RCRA, NPL, or industrial site(s), and/or evidence of hazardous materials	No
Sensitive environmental justice areas	Low Income
Federal Emergency Management Agency (FEMA) floodplains	Yes, Zone A
Lake Erie Coastal Management Area	No
Sole Source Aquifers	No
Wellhead Protection Areas	No
Noise abatement issues	No
Coordination with Conservancy Districts	No
Other environmental issues	Recreational Boating Coordination with ODNR / Tree cutting restrictions

GEOMETRIC DESIGN CONTROLLING CRITERIA:

Consider design speed, design functional classification, land use, and available traffic data to make a preliminary determination as to the geometric standards for the project and potential for design exceptions. Note exceptions for low volume roadways.

Design Criteria	Location/Comments
Lane Width	12’
Shoulder Width	4’ treated, 7’ graded
Horizontal Curve Radius	Match Ex. or improve

GEOMETRIC DESIGN CONTROLLING CRITERIA:	
Consider design speed, design functional classification, land use, and available traffic data to make a preliminary determination as to the geometric standards for the project and potential for design exceptions. Note exceptions for low volume roadways.	
Maximum Grade	Match Ex. or improve
Stopping Sight Distance (Horizontal and Crest Vertical Curves)	Match Ex. or improve
Superelevation Rate	N/A
Vertical Clearance	N/A
Pavement Cross Slope	Normal Crown on bridge deck, but once off the bridge it may be variable to tie into existing cross slopes
Design Loading Structural Capacity	HL-93 with FWS 0.06 ksf

OTHER GEOMETRIC DESIGN ISSUES:	
Indicate if the following geometric issues are present or should be considered during project development. Consider work on the mainline as well as any side roads or service roads. Provide additional comments as needed.	
Design Issues	**Location/Comments**
Does the horizontal alignment have an excessive deflection?	No
Do the Intersection Angles or Crossroad Alignment meet design standards?	N/A
Do the Intersection Angles or Crossroad Alignment meet design standards?	N/A
Is driver comfort an issue due to the vertical curvature or breaks in the grade?	Doesn't seem to be
Does the shoulder width on a structure allow for a minimum width of 4' from the edge of the traveled way to the face of any barrier?	Yes
Has a minimum width of 4' from the edge of the traveled way to the face of any barrier?	Yes
Does intersection sight distance need to be improved?	N/A
List unprotected hazards that appear to be in the clear zone.	None
Should existing access control be revised to improve safety?	No
Are there any drive locations that will require special attention during design (e.g., very steep grades, high volume commercial drives, drives close to bridges or intersections)?	A field drive SE of bridge that may need addressed.
Do the existing intersection radius returns need to be modified to improve pedestrian crossing safety?	N/A
Do the existing intersection radius returns need to be modified or truck aprons added to accommodate turning movements of large trucks?	N/A
Does grading need to be upgraded? To what criteria (e.g., clear zone, safety, standard)? Consider potential right of way and other impacts when considering grading method.	Standard grading anticipated
Are new or updated curb ramps needed? Refer to the Curb Ramp Measuring Guide	No

OTHER GEOMETRIC DESIGN ISSUES:	
Indicate if the following geometric issues are present or should be considered during project development. Consider work on the mainline as well as any side roads or service roads. Provide additional comments as needed.	
Design Issues	**Location/Comments**
If constructing a new roadway, will it be a connection between two existing NHS Routes?	N/A
If traffic control at an intersection is being changed from stop control to signalization, does the profile of the stop condition road need to be upgraded to accommodate faster traffic?	N/A
Are multiple intersection control types being considered? Is an Intersection Control Evaluation (Intersection Control Evaluation (ICE) | Ohio Department of Transportation) applicable?	No
Are there any other geometric issues? Describe.	None known

GEOTECHNICAL ISSUES:	
Based on the information compiled during this study indicate whether or not the following geotechnical issues are present or should be further considered during project development. Provide additional comments as needed. Refer to Section 302.2 of the ODOT Specifications for Geotechnical Explorations for literature search resources.	
Design Issues	**Location/Comments**
Is there evidence of soil drainage problems (e.g., wet or pumping subgrade, standing water, the presence of seeps, wetlands, swamps, bogs)?	No
Will construction be impacted based on the groundwater table?	Yes
Is there evidence of any embankment or foundation problems (e.g., differential settlement, sag, foundation failures, slope failures, scours, evidence of channel migrations)?	Yes, slope instability at abutments.
Is there evidence of any slope instability (soil or rock)?	Rock slope instability at abutment.
Is there evidence of unsuitable materials (e.g., presence of debris or man-made fills or waste pits containing these materials, indications from old soil borings)?	No
Is there evidence of rock strata (e.g., presence of exposed bedrock, rock on the old borings)?	Bedrock exposed in and along stream bank.
Is there evidence of active, reclaimed or abandoned surface mines? Evidence of quarries?	No
Is there information pertaining to the existence of underground mines?	No
Is there Acid Mine Drainage present within the study area?	No
Are there any other geotechnical issues? *Specify.*	None known

PAVEMENT ISSUES:	
Indicate if the following pavement issues are present or should be considered during project development. Side road and service road work should be considered in this assessment. Provide additional comments as needed.	
Design Issue	**Location/Comments**
Do dynaflect tests indicate the existing pavement is in poor condition?	N/A
Are joint repairs needed?	No
Are pressure relief joints needed?	Type A Approach Slab Installation
Does curb need to be replaced due to deteriorated condition or lack of curb reveal?	N/A
Has the site received repeated resurfacings in recent years?	No
Does pavement deterioration appear to be caused by drainage or geotechnical problems?	No
Are there any other pavement issues? *Specify.*	None known

STRUCTURAL ISSUES:	
Indicate if the following structure issues are present or should be considered during project development. Provide additional comments as needed. The Bridge Inspection reports should be evaluated and attached. Provide a separate table for each structure.	
Structure Number:	
Design Issue	**Location/Comments**
Is it possible for the structure to be replaced with a prefabricated box culvert or 3-sided box?	No
Is the deck delaminated? *Specify.*	Full Bridge Replacement
Is non-destructive testing needed to determine the Amount of delamination?	Full Bridge Replacement
Are there areas to be patched/repaired on the deck?	Full Bridge Replacement
Is the bridge a poor candidate for an overlay? *Specify type of overlay if known.*	Full Bridge Replacement
Does the bridge rail violate current standards?	Yes
Is fatigue analysis required?	No
Should all fatigue prone details be retrofitted or replaced? *Specify.*	Full Bridge Replacement
Is there any evidence of substructure movement (e.g., settlement, rotation)?	No
Is elimination of the deck joint possible? What modifications are necessary?	Full Bridge Replacement
Is it possible for the hinges to be removed to make the members continuous?	N/A
Is there any evidence that the bridge does not meet hydraulic capacity?	No
Are there existing sidewalks on or adjacent to the bridge?	No
Is Vandal Protection Fencing required in accordance with the BDM?	No
Will the structure work require any special maintenance of traffic (e.g., closing of roadway for	Possibly for beam erection.

STRUCTURAL ISSUES:	
Indicate if the following structure issues are present or should be considered during project development. Provide additional comments as needed. The Bridge Inspection reports should be evaluated and attached. Provide a separate table for each structure.	
Structure Number:	
Design Issue	**Location/Comments**
erection of beams, maintenance of waterway traffic, location of cut line, etc.)? *Specify.*	
Does the bridge need to accommodate future roadway lanes, bicycle lanes, a shared use path, shoulder, or railroad tracks?	No
Will temporary shoring be required next to the railroad?	No
Describe any issues with the bridge deck (curb, sidewalk, railing, surface, median, drainage, expansion joints, etc.).	Under side of deck has exposed reinforcing steel a widespread spalling of concrete.
Describe any issues with the bridge superstructure (alignment, beams/girders/slab, bearing devices, etc.).	Under side of deck has exposed reinforcing steel and widespread spalling of concrete. Edge of slab is deteriorated on both sides.
Describe any issues with the bridge substructure (abutments, piers, backwalls, wingwalls, scour, etc.).	Piers have spalling concrete and minor debris build-up.
Describe any issues with the channel (i.e. alignment, erosion, etc.)	Appears to be some minor channel slope instability on the west side of the bridge.
Describe any issues with the bridge approaches (i.e. pavement, guardrail, etc.)	None
Are there any other structure related issues? *Specify.*	None known
HYDRAULIC ISSUES:	
Indicate if the following drainage issues are present or should be considered during project development. Side road and service road work should be considered in this assessment. Any available Culvert Inspection reports should be evaluated and attached. Provide additional comments as needed.	
Design Issue	**Comments**
Does the existing drainage system appear to be appropriately sized and functioning properly? *Describe deficiencies.*	Yes
Is there evidence of alignment or flow velocity problems (e.g., scour, bank erosions, silting) at culvert inlets or outlets?	N/A
Are there sinkholes or other deterioration in the pavement that would indicate separations in the existing pipes?	No
Is the exposed curb height in existing gutters inadequate to contain flow (include height of proposed resurfacing)?	N/A
Does the project affect a wetland or waterway (e.g., stream, river, jurisdictional ditch)?	Yes, Ohio Brush Creek
Will channel relocation be required?	No
Will post construction BMPs be required that could impact R/W or utilities?	No
Are existing underdrain outlets functioning properly?	Unknown

STRUCTURAL ISSUES:	
Indicate if the following structure issues are present or should be considered during project development. Provide additional comments as needed. The Bridge Inspection reports should be evaluated and attached. Provide a separate table for each structure.	
Structure Number:	
Design Issue	**Location/Comments**
Does the drainage work warrant any special maintenance of traffic considerations?	No
Are there any other hydraulic issues? *Describe.*	Existing concrete paved gutters in poor condition and will be removed (replaced if warranted by current standards)

TSMO CONSIDERATIONS:	
Briefly describe the opportunities for managing congestion or traffic issues using TSMO strategies or improvements. Consider opportunities to upgrade or install systems management and operations infrastructure: ***TSMO infrastructure*** includes communications equipment, travel time signs, signals, changeable message signs, traffic cameras, traffic signal systems, other remote field devices and data collection equipment, conduit and any supporting fiber optics. ***TOAST*** is the Traffic Operations Assessment System Tool. **For additional TSMO information see** *http://www.dot.state.oh.us/Divisions/Operations/Traffic/miscellaneous/Pages/TSMO.aspx*	
Design Issue	**Location/Comments**
Does the project area contain a Hot Spot identified in TOAST? If so, what is the TOAST ranking?	No
Does the project area have an operations master plan (or has this site been discussed with the District TSMO Coordinator)?	No
Would operations benefit from TMC coverage of the project area? (RWIS, travel time boards, cameras, communications)	No
Are there opportunities for initiating or upgrading TSMO infrastructure?	No
Does this project support any TSMO strategies such as (Smartlane, VSL, Coordinated traffic signals, etc.)	No
Does this project require multi-jurisdictional coordination, agreements, funding, etc.?	No
What existing TSMO infrastructure is in place? Will it need to be moved or maintained in place?	None
Are there any local TSMO infrastructure recommendations in the project area? (ex. Include emergency or transit traffic signal pre-emption, dynamic message signs or signal coordination)	No
What MPO ITS architecture is already in place or planned? Consult the MPO ITS architecture plan, if applicable.	None
Categories of potential ITS for this study area/project include: Exempt, Low, or High risk? Ref: TEM, 1-pager for CFR 940.	N/A
Could this project expand an existing device or communications system?	No
What type of device communications and equipment exists?	None
Should this location have communications added or upgraded?	No
Will additional conduit be necessary for future infrastructure/communications? (ex. in barrier wall)	No

TSMO CONSIDERATIONS:

Briefly describe the opportunities for managing congestion or traffic issues using TSMO strategies or improvements. Consider opportunities to upgrade or install systems management and operations infrastructure:
TSMO infrastructure includes communications equipment, travel time signs, signals, changeable message signs, traffic cameras, traffic signal systems, other remote field devices and data collection equipment, conduit and any supporting fiber optics. ***TOAST*** is the Traffic Operations Assessment System Tool. **For additional TSMO information see** *http://www.dot.state.oh.us/Divisions/Operations/Traffic/miscellaneous/Pages/TSMO.aspx*

Design Issue	Location/Comments
Will existing device power or communications drops be disrupted?	No
Does this project require a new traffic signal timing plan?	No
Are the current traffic signal(s) being upgraded to a system?	N/A
Are there alternative routes available/identified for incident management?	N/A
Is this a Traffic Incident Management Note eligible project?	No

OTHER TSMO Considerations:

None known

TRAFFIC CONTROL ISSUES:

Indicate if the following traffic control (signals, signing, pavement markings, etc.) issues are present or should be considered during project development. Provide additional comments as needed.

Design Issue	Comments
Are there any obvious deviations from requirements of the Ohio Manual of Uniform Traffic Control Devices (OMUTCD)?	No
Will coordination with Ohio Rail Development Commission (ORDC) be required (i.e. at-grade railroad crossings located within 400' of an intersection within the project area)?	No
Will pavement widening affect pole locations?	N/A
Will resurfacing affect signal height?	N/A
Does it appear that any traffic control items will fall outside the existing right of way limits (e.g., large signs, strain poles)?	No
Are there any crashes that can be related to existing signal deficiencies (e.g., timing, lack of protected turn phase)?	N/A
Do pedestrian signals and push buttons need to be installed or upgraded?	No
Do turn lane lengths appear to have sufficient storage capacity?	N/A
Does the controller need to be upgraded?	N/A
Do proprietary materials need to be specified?	No
Should signs or signal installations be supplemented with lighting?	No
Are any Tourist Oriented Directional Signs (TODS) or LOGO signs present?	No

TRAFFIC CONTROL ISSUES:	
Indicate if the following traffic control (signals, signing, pavement markings, etc.) issues are present or should be considered during project development. Provide additional comments as needed.	
Design Issue	**Comments**
Are there any other traffic control issues? *Specify.*	None known

UTILITY ISSUES:	
Indicate if the following utility issues are present or should be considered during project development. Provide additional comments as needed.	
Design Issue	**Location/Comments**
Do existing utilities need to be relocated? *If so, please identify*.	Possible Waterline
Would the project benefit from Subsurface Utility Engineering (SUE) Level A?	No
Are there existing utilities on an existing structure that need to be relocated?	No
Are there any specific utility requirements or concerns? *Specify*.	None known
Are there water or sanitary lines that will be relocated as part of the ODOT contract?	No
Are there any other utility issues? *Specify.*	None known

MAINTENANCE OF TRAFFIC ISSUES:	
Indicate if the following maintenance of traffic issues are present or should be considered during project development. Provide additional comments as needed.	
Design Issue	**Location/Comments**
Are there bridge load limits within the work limits or in the nearby area that would limit the available signed official detour or unsigned local alternate routes?	None known (Parth width construction anticipated)
Is the project located on the National Truck Network?	No
Are there overhead bridges with existing vertical clearance issues or that may become vertical clearance issues (e.g. shifting traffic to the shoulder, adding pavement without milling first, etc.)	No
Are there pinch points within the work area that that would prevent the installation of temporary pavement for maintaining the existing number of lanes? If yes, identify the location and type of width restraints. (e.g., median wall, at grade bridge, overhead bridge piers, trees, historic markers, etc.)	Temporary pavement may be needed approach each side of the bridge.
Are there visible signs of pavement condition deterioration in the driving lanes? On the shoulders? If yes, identify location and estimated degree of deterioration and if further testing is needed.	No

MAINTENANCE OF TRAFFIC ISSUES:	
Indicate if the following maintenance of traffic issues are present or should be considered during project development. Provide additional comments as needed.	
Design Issue	**Location/Comments**
Are there nearby schools that may be adversely impacted by the proposed work? If yes, identify names, location and school districts.	No
Are there nearby emergency services (e.g., hospital, fire, police, EMS, etc.) that may be adversely impacted by the proposed work? If yes, identify locations and names.	Possibly
Are there significant traffic generators nearby that may be adversely impacted by the proposed work? (e.g., industries, factories, sports arenas, etc.)	No
What is the width of the existing pavement? Will temporary pavement be needed to maintain the existing number of travel lanes?	+/-32’
What geometric features exist within the work area and within the area of influence of the work area that may impact sight distances and/or flow of traffic? (e.g., horizontal/vertical curves, blind driveways, intersections, entrance/exit ramps, railroad crossings, etc.)	The project lies between horizontal curves and is within the limits of a vertical curve that may impact sight distance to temporary signals. This will be further investigated during the design phase.
Are there sidewalks or paths within or leading to/from the work area that need to be closed?	No
If sidewalk/path needs to be closed, can users be detoured on the existing sidewalk system or will a temporary pedestrian and/or bicycle pathway need to be included in the plan?	N/A
Are transit stops present within the work area?	No
Are there culverts within the work area that may need to be lengthened to accommodate temporary widening? If so, identify locations and culvert numbers.	No
Are there any known existing drainage issues within the work limits? If yes, special attention needs to be given to ensuring temporary drainage can be accomplished.	No
Will personal and/or business driveways be adversely impacted or need to be closed for any amount of time?	No
Is the project located in or nearby an area of regional significance with a potential to cause controversy or negative public feedback or political scrutiny?	No
Is there enough width to provide safe construction access? If no, what other means of access can be provided?	Yes
Is there potential for the need to require right-of-way acquisition?	Not likely
Is there room in the median for the construction of crossover pavement within the project limits and beyond the project limits on either end? If yes, identify potential locations for crossover locations.	N/A

MAINTENANCE OF TRAFFIC ISSUES:	
Indicate if the following maintenance of traffic issues are present or should be considered during project development. Provide additional comments as needed.	
Design Issue	**Location/Comments**
Are short duration road closures going to be required? (e.g., bridge demo, steel erection, overhead utility installation/removal, etc.). If yes, is there an opportunity for diversion of the traffic to other routes or to the ramps on a diamond interchange? Identify the potential diversion routes.	Perhaps for beam erection
Will there be a need for temporary structures (full or partial) in order to maintain the existing number of lanes?	No
Is there power available within or nearby the project location for temporary lighting and/or temporary signals?	Yes
Will there be a need for additional signal heads (drives and/or side roads) or temporary signal timing/coordination?	Perhaps for field drive
Are there any Traffic Incident Management features, such as hydrants, pull-offs, turn-arounds, etc.?	No
Are there issues that may limit the construction timeframe? (e.g., sporting or other significant regional events, work in streams, suitable wooded habitat, school, etc.). If yes, list them.	Suitable wooded habitat, in-stream work restrictions
Would this project potentially benefit from the application of innovative contracting method (e.g., A+B to open bridge to traffic before school starts, etc.)? If yes, which method?	No
Will there be a need to restrict existing movements during construction? (e.g., no left turns, etc.)	N/A
Is there an opportunity (or potential need) to implement any work zone ITS components? (e.g., work zone egress warning, queue detection and warning, CCTV, DDMS, etc.)	No
How big of an impact will the project have on queue lengths and congestion? If significant, a MOT Policy Exception Request may be required per Traffic Management in Work Zones Policy (21-008(P)) and Standard Procedure (123-001(SP)).	None
Does this project require an MOTAA? All Path 4 & 5 projects along with Path 3 projects on Interstate/Interstate look-alikes need to have a Maintenance of Traffic Alternatives Analysis Completed. Refer to TEM Section 630-5	No

RIGHT OF WAY/SURVEY ISSUES:	
Indicate if right of way or survey issues are present or should be considered during project development. Provide additional comments as needed.	
Design Issue	**Location/Comments**
Will there be any work beyond the existing right of way limits?	Not likely

RIGHT OF WAY/SURVEY ISSUES:	
Indicate if right of way or survey issues are present or should be considered during project development. Provide additional comments as needed.	
Design Issue	**Location/Comments**
Will relocation of residences be involved?	No
Will relocation of businesses be involved?	No
Will the project require modifying the access control to any properties?	No
Identify significant right of way encroachments (i.e. large commercial business signs, etc.)?	None
Will temporary parcels be needed (e.g., for drive work)?	Not likely
Will additional right of way be needed for utility relocations?	Not likely
Are there any specific property owner concerns? If so, list property owners and concerns.	No
Are work agreements prohibited for any reason?	No
Are there any other right of way or survey issues? *Specify*.	None known

CONSTRUCTION ISSUES:	
Indicate if the following issues are present or should be considered during project development. Provide additional comments as needed.	
Issue	**Location/Comments**
Will any of the construction activity take place over, under, or near railroad property?	No
Could material with long lead times for delivery have an impact on the construction schedule and/or project completion (e.g., strain poles, large box culverts, steel beams, etc.)?	Beams
Are there any concerns related to existing or proposed lighting (e.g., light trespass, river navigation, airway clearance)?	N/A
Compare the Begin/End construction dates with the Scope of Work. Is the construction schedule reasonable?	Yes
Examine the existing pavement condition and repair history. Calculate potential pavement repair quantities.	N/A
Note manhole lid elevations versus proposed paving thickness. Will manhole lids or valve boxes need adjusted after paving?	N/A
Is there a need for Echelon Paving?	No
Examine the rideability of the approach slab to the roadway/bridge joint.	Full Bridge Replacement
Will the project have impacts to nearby residents/businesses? Will site access occur down steep side slopes or through properties adjacent to project site?	Minor impacts to adjacent properties. Appears to be sufficient r/w to construct and access
Examine existing guardrail condition, height and length of need. What is the condition of the slopes behind guardrail? Will additional grading or fill be required for guardrail replacement?	All guardrail attached to the existing bridge will be removed and replaced to meet current design standards.

CONSTRUCTION ISSUES:	
Indicate if the following issues are present or should be considered during project development. Provide additional comments as needed.	
Issue	**Location/Comments**
Is more space or room needed for construction? Is Temporary or Permanent R/W required for utility relocations, construction of structures, drainage ditches, etc.?	Not likely
Is there enough clearance to overhead utility lines for cranes and concrete pump trucks?	Yes
Will there be instream work?	Yes
Will Temporary shoring/sheeting, cofferdams or work pads be required to complete the proposed work? Anticipated Permitting (see Agency Coordination/Permit Issues section above)	Yes
Will the road need to be detoured to complete construction? What are the possible detour routes?	Not likely
Where are the potential staging areas for the contractor?	Mainly off the road on the rear side of the bridge

AGENCY COORDINATION/PERMIT ISSUES:	
Indicate if the following permit issues are present or should be considered during project development. Provide additional comments as needed.	
Issue	**Location/Comments**
Will an Individual US Army Corps of Engineers/ Environmental Protection Agency 404/401 permit be required?	No
Will a Section 408 Permission be required for work within an USACE Civil Works (dams, levees, locks, navigation channel, etc.)? Refer to the *National Levee Database (army.mil)*; *National Inventory of Dams (army.mil)*; *Louisville District (arcgis.com)* Not all projects are found within these directories. Consult with OES during planning to discuss Section 408 coordination. (Note, Section 9 or Section 10 permit will most likely trigger Section 408 coordination.)	No
Will a Coast Guard (Section 9) permit be required?	No
Is review by a local public agency or project sponsor required? *Specify.*	No
Is State Historic Preservation Office (SHPO) coordination for work involving historic bridges or historic properties required?	Unknown
Is coordination with ODNR for work involving State Scenic Rivers, State Wildlife Areas or State Recreational Areas required?	No
Is coordination with any other agency required?	Recreational Boating Coordination with ODNR

SCOPE, SCHEDULE AND BUDGET CONSIDERATIONS:	
Based on the responses to the above items, do any of the following need to be modified?	
Issue	**Comments**
Conceptual scope	
Work limits	
Probable environmental document type	
Project Path classification	
Schedule	
Budget	