

# Project Initiation Package

## Repair devInstructions

- The Project Initiation Package is intended to focus on critical issues that can be identified with existing information from secondary sources 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.
- A list of resources that may need to be consulted in order to complete this form can be found on the PDP website.

## 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, photographs or other support material may also be submitted with the Project Initiation Package to illustrate specific problem areas.

## General

<b>Date(s) of field review:</b>	11/11/2018
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<b>Project Name (County, Route, Section):</b>	CUY BH FY2023 Misc	<b>PID:</b>	105909
<b>Date Project Initiation Package Completed:</b>	08-14-2020	<b>Prepared By:</b>	Chris Ondash
<b>City, Township or Village Name(s):</b>	Cleveland, Rocky River, Lakewood, North Olmsted, Euclid, Highland Heights, and Mayfield	<b>ODOT Project Manager:</b>	George Dai

### **Project Description:**

Repair various deficient bridge elements on 8 different bridge. The bridges and the elements needing repairs are listed in the scope table attaches in the electronic documents in SAFE.

### **Project Limits/Study Area/General Location:**

Project limits are located around the bridges (both on and under)

### **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
Capital Programs Administrator	Mike Kubek	216-584-2127
Design Engineer	Eric Kallio	216-584-2121
Right of Way	Matt Schulz	216-584-2117
Environmental	Mark Carpenter	216-584-2089
Planning	Gary Benesh	216-584-2108

### **EXTERNAL AGENCY INVOLVEMENT:**

*Indicate external agency involvement during identification of project issues affecting scope development. List the name*

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**EXTERNAL AGENCY INVOLVEMENT:**

*and phone number of individual(s) representing each agency during the site visit.*

AGENCY	NAME	PHONE NUMBER
FHWA Engineer***		

**\*\*\* The FHWA Engineer should be invited on projects expected to require approval from Federal Highway Administration.**

GENERAL EXISTING INFORMATION:	US-6A	IR-90-1062/W-117th	IR-90-2910	SR-237	SR-252	IR-271/Highland Rd.	IR-480-4.46	IR-480-8.70 ES
Legal Speed:	35	35	60	35	35	60	60	60
Design Speed:	40	40	70	40	40	70	70	70
Opening Year ADT:	13700 (2023)	15220 (2023)	124100 (2023)	11640 (2023)	25424 (2023)	9111 (2023)	9625 (2023)	15185 (2023)
Design Year ADT:	15100 (2053)	16740 (2053)	136510 (2053)	12808 (2053)	27966 (2053)	10022 (2053)	10588 (2053)	16704 (2053)
Trucks (24 Hour B&C):	274 (2023)	152 (2023)	4950 (2023)	328 (2023)	762 (2023)	192 (2023)	88 (2023)	706 (2053)
Functional Classification:	Minor Arterial	IR	IR	Minor Arterial	Principal Arterial	IR	IR	IR
Locale (Rural or Urban):	Urban	Urban	Urban	Urban	Urban	Urban	Urban	Urban
National Highway System (NHS):	NO	Yes	Yes	Yes	No	Yes	Yes	Yes

**ODOT COUNTY MANAGER CONCERNS:**

*List any comments/requests from the ODOT County Manager.*

**CRASH DATA:**

*Briefly summarize crash history. Indicate any design features that should be revised to increase safety.*

requested

**ENVIRONMENTAL ISSUES:**

*Make a preliminary determination on whether the following resources will be affected by the proposed 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	NO
Cemetery	NO
Scenic River	NO

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<b>ENVIRONMENTAL ISSUES:</b>	
<i>Make a preliminary determination on whether the following resources will be affected by the proposed project. Include the location and any other pertinent information for resources that may be affected.</i>	
Resource/Feature	Location/Comments
Public Facilities	NO
Threatened and Endangered Species and/or habitat	Indiana Bat, piper Plover
Existing cat tails	NO
Existing wet areas Wet	NO
Streams, rivers and watercourses	N/A
Historic Building(s)	NO
Historic Bridge(s)	NO
Farmland	NO
Air Quality non-attainment area or concerns	The project site is located within Non-Attainment areas for PM 2.5 and Ozone 8-hour.
Landfill(s), Superfund Site(s) and/or evidence of hazardous materials	NO
Known Archaeological Sites	NO
Watershed Specific (i.e. Darby or Olentangy) NPDES Permit Area	Cahoon Creek Frontal Lake Erie, Rocky River, Big Creek, City of Euclid-Frontal Lake Erie, & Griswold Creek-Chagrin River
Sensitive environmental justice areas	NO
Federal Emergency Management Agency (FEMA) floodplains	NO
Lake Erie Coastal Management Area	No
Sole Source Aquifers	No
Wellhead Protection Areas	No
Noise abatement issues	NO
Other environmental issues	NO

<b>GEOMETRIC ISSUES:</b>	
<i>Use the design speed, design functional classification and available traffic data to make a preliminary determination as to the geometric standards for the project. Compare these requirements to crash data and impacts if deviations from standard are being considered.</i>	
Design Feature	Location/Comments
Lane Width	Varies
Graded Shoulder Width	N/A
Bridge Width	Varies
Horizontal Alignment (including Excessive Deflections, Degree of Curve, Transition/Taper Rates, Intersection Angles, etc.)	N/A
Vertical Alignment (including grade breaks)	N/A
Grades	N/A
Stopping Sight Distance	N/A
Pavement Cross Slopes	N/A
Superelevation (Maximum rate, transition, position)	N/A
Horizontal Clearance	N/A
Vertical Clearance	Due to the nature of this project (maintenance items) it is not anticipated to raise any VC.

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**GEOMETRIC 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 Issue	Location/Comments
Does intersection sight distance need to be improved?	N\A
Are there geometric issues that may affect traffic safety? <i>Describe.</i>	N\A
List unprotected hazards that appear to be in the clear zone.	N/A
Should existing access control be revised to improve safety?	N\A
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)?	NO
Do the existing intersection radius returns need to be modified to accommodate turning movements of large trucks?	NO
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.	NO
Are there any other geometric issues? <i>Describe</i>	N/A

**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.*

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?	NO
Is there evidence of any embankment or foundation problems (e.g., differential settlement, sag, foundation failures, slope failures, scours, and evidence of channel migrations)?	NO
Is there evidence of any slope instability (soil or rock)?	NO
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)?	NO

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<b>GEOTECHNICAL ISSUES</b>	
<b><i>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.</i></b>	
Is there evidence of active, reclaimed or abandoned surface mines?	NO
Is there information pertaining to the existence of underground mines?	N/A
Is there Acid Mine Drainage present within the study area?	N/A
Are there any other geotechnical issues? <i>Specify.</i>	NO

<b>PAVEMENT ISSUES:</b>	
<b><i>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.</i></b>	
Design Issue	Location/Comments
Do dynaflect tests indicate the existing pavement is in poor condition?	N/A
Are joint repairs needed?	N/A
Are pressure relief joints needed?	N/A
Does curb need to be replaced due to deteriorated condition or lack of curb reveal?	N/A
Does sidewalk need to be replaced or installed?	N/A
Has the site received repeated resurfacings in recent years?	N/A
Does pavement deterioration appear to be caused by drainage or geotechnical problems?	N/A
Are there any other pavement issues? <i>Specify.</i>	N/A

<b>STRUCTURAL ISSUES:</b>	
<b><i>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.</i></b>	
<b>Structure Number:</b> <i>1808249, 1809008, 1811851, 1810405, 1814109, 1810332, 1814249, 1801074</i>	
Design Issue	Location/Comments
Is it possible for the structure to be replaced with a prefabricated box culvert or 3-sided box?	N/A
Is the deck delaminated? <i>Specify.</i>	<i>See bridge scope table</i>
Is non-destructive testing needed to determine the amount of delamination?	N/A
Are there areas to be patched/repared on the deck?	<i>see bridge scope table</i>
Is the bridge a poor candidate for an overlay? <i>Specify type of overlay if known.</i>	<i>see bridge scope table</i>
Does the bridge rail violate current standards?	N/A
Is fatigue analysis required?	N/A
Should all fatigue prone details be retrofitted or replaced? <i>Specify.</i>	N/A

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<b>Structure Number:</b> 1808249, 1809008, 1811851, 1810405, 1814109, 1810332, 1814249, 1801074	
Design Issue	Location/Comments
Is there any evidence of substructure movement (e.g., settlement, rotation)?	N/A
Is elimination of the deck joint possible? What modifications are necessary?	N/A
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?	N/A
Are there existing sidewalks on or adjacent to the bridge?	Sidewalks on SFN 1814109, 1810405, 1801074, 1808249, 1810332, & 1811851
Is Vandal Protection Fencing required in accordance with the BDM?	Follow fence repairs on bridge scope table.
Will the structure work require any special maintenance of traffic (e.g., closing of roadway for erection of beams, maintenance of waterway traffic, location of cut line, etc.)? <i>Specify.</i>	N/A
Does the bridge need to accommodate future roadway lanes or railroad tracks?	N/A
Will temporary shoring be required next to the railroad?	N/A
Describe any issues with the bridge deck (curb, sidewalk, railing, surface, median, drainage, expansion joints, etc.).	see bridge scope table
Describe any issues with the bridge superstructure (alignment, beams/girders/slab, bearing devices, etc.).	see bridge scope table
Describe any issues with the channel (i.e. alignment, erosion, etc.)	N/A
Describe any issues with the bridge approaches (i.e. pavement, guardrail, etc.)	see bridge scope table
Are there any other structure related issues? <i>Specify.</i>	see bridge scope table

<b>HYDRAULIC ISSUES:</b>	
<i>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.</i>	
Design Issue	Comments
Does the existing drainage system appear to be appropriately sized and functioning properly? <i>Describe deficiencies.</i>	N/A
Is there evidence of alignment or flow velocity problems (e.g., scour, bank erosions, silting) at culvert inlets or outlets?	No
Are there sinkholes or other deterioration in the pavement that would indicate separations in the	NO

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<b>HYDRAULIC ISSUES:</b>	
<i>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.</i>	
existing pipes?	
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)?	NO
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?	N/A
Does the drainage work warrant any special maintenance of traffic considerations?	NO
Are there any other hydraulic issues? <i>Describe.</i>	NO

<b>TRAFFIC CONTROL ISSUES:</b>	
<i>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.</i>	
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
Is the project considered an ITS project?	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)?	N/A
Are there any crashes that can be related to existing signal deficiencies (e.g., timing, lack of turn lanes)?	N/A
Are new or updated curb ramps needed?	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?	N/A
Should signs or signal installations be supplemented with lighting?	No
Are any Tourist Oriented Directional Signs (TODS) or LOGO signs present?	No
If traffic control at an intersection is being changed from stop control to signalization, does the stop condition road need to be upgraded to accommodate faster traffic?	N/A

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<b>TRAFFIC CONTROL ISSUES:</b>	
<i>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.</i>	
<b>Design Issue</b>	<b>Comments</b>
Are there any other traffic control issues? <i>Specify.</i>	NO

<b>MAINTENANCE OF TRAFFIC ISSUES:</b>
<i>Briefly describe the maintenance of traffic and any constraints. A list of considerations has been provided below.</i>
<b>MAINTENANCE OF TRAFFIC DESCRIPTION: Work for productivity</b>

<b>RIGHT OF WAY/SURVEY ISSUES:</b>	
<i>Indicate if right of way or survey issues are present or should be considered during project development. Provide additional comments as needed.</i>	
<b>Design Issue</b>	<b>Location/Comments</b>
Will there be any work beyond the existing right of way limits?	NO
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 identified
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? <i>Specify.</i>	NO

<b>UTILITY ISSUES:</b>	
<i>Indicate if the following utility issues are present or should be considered during project development. Provide additional comments as needed.</i>	
<b>Design Issue</b>	<b>Location/Comments</b>
Do existing utilities need to be relocated? <i>If so, please identify.</i>	NO
Would the project benefit from Subsurface Utility Engineering (SUE) Level A?	NO



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<b>UTILITY ISSUES:</b>	
<i>Indicate if the following utility issues are present or should be considered during project development. Provide additional comments as needed.</i>	
Design Issue	Location/Comments
Are there existing utilities on an existing structure that need to be relocated?	NO
Are there any specific utility requirements or concerns? <i>Specify.</i>	NO
Are there water or sanitary lines that will be relocated as part of the ODOT contract?	NO
Are there any other utility issues? <i>Specify.</i>	NO

<b>MISCELLANEOUS ISSUES:</b>	
<i>Indicate if the following issues are present or should be considered during project development. Provide additional comments as needed.</i>	
Design 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 (e.g., strain poles, large box culverts, steel beams, etc.)?	None identified.
Are there any specific concerns related to pedestrian or bicycle access?	NO
Are there any concerns related to existing or proposed lighting (e.g., light trespass, river navigation, airway clearance)?	NO
Are there any other project concerns? <i>Specify</i>	NO

<b>PERMIT ISSUES:</b>	
<i>Indicate if the following permit issues are present or should be considered during project development. Provide additional comments as needed.</i>	
Issue	Location/Comments
Will an individual Corps of Engineers/ Environmental Protection Agency 404/401 permit be required?	NO
Will a Coast Guard permit be required?	NO
Is review by a local public agency or project sponsor required? <i>Specify.</i>	NO
Is State Historic Preservation Office (SHPO) coordination for work involving historic bridges or historic properties required?	No
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?	No

<b>SCOPE, SCHEDULE AND BUDGET CONSIDERATIONS:</b>	
<i>Based on the responses to the above items, do any of the following need to be modified?</i>	
Issue	Comments
Conceptual scope	No
Work limits	No

# Project Initiation Package

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SCOPE, SCHEDULE AND BUDGET CONSIDERATIONS:	
Probable environmental document type	No
Project Path classification	No
Schedule	No
Budget	No