

BRIDGE SCOPE NARRATIVE

CLE SR 48/132 6.62/17.76

PID: 102771

Structures and Project Scope

Rehabilitate bridge CLE-48-0662 which carries SR 48 over O'Bannon Creek as follows:

1. Remove 1 1/2" of the concrete on the deck and approach slabs using hydrodemolition per SS848. Replace with 1 1/2" Microsilica Concrete (MSC) Overlay. Add Macrofibers to the overlay.
2. Install polymer modified asphalt expansion joints between the deck and approach slabs.
3. Replace the guardrail including the bridge terminal assembly and end terminal assemblies at the rear and right forward corners. At the left forward corner, replace the end terminal assembly and taper to meet the long run of guardrail.
4. Seal the sidewalk on the bridge with Gravity Fed Resin.
5. Patch the north abutment with a trowelable mortar. Seal the north abutment with an epoxy urethane sealer, federal color 17778.
6. Replace the sunken/spalled sections of the sidewalk within the limit of the approach slab.
7. PM to coordinate Consent Legislation with City of Loveland with Ben Miller.
8. This work will be done under Plan Split 01/S>2/BR

Rehabilitate bridge CLE-132-1776 which carries SR 132 over Stonelick Creek as follows (

1. Remove the concrete deck edge full thickness on the lower east side concrete overhang and reconstruct with per the newer [TST-2-21](#) railing. The anchor embedment will dictate the amount of concrete to be removed.
2. Retrofit the existing DBR railing on the west side per [DBR-3-11](#). Include replacement of the W-shape railing with the retrofit.
3. Remove 1 1/2" of the concrete on the deck and approach slabs using hydrodemolition per SS848. Replace with 1 1/2" Microsilica Concrete (MSC) Overlay. Add Macrofibers to the overlay. Include a note" The joint between the approach slab and the back shall be a formed joint and then sealed per Detail B in standard drawing AS-1-15. Separate concrete pours may be required. Placing overlay material across the top of backwall and approach slab to later sawcut is not allowed."
4. Patch the north pier, east overhang, south side with 519 patching.
5. Paint the existing steel per 514, system OZEU. Color shall be Federal Color FS-595C-15526, light blue.
6. Seal the concrete with epoxy urethane sealer. Color shall be Federal Color 17778.
7. Upgrade any approach guardrail, end terminal assemblies, and bridge terminal assemblies at all four corners that are not addressed with PID 100627.
8. Repair erosion south of the bridge on the east side. Consider curbing this section of the roadway and adding erosion control matting. Confirm with District Hydraulic Engineer.
9. This work will be done under Plan Split 02/STR/BR

Maintenance of Traffic

CLE-48-6.62:

A minimum of one lane of traffic in each direction shall be maintained at all times, except for a period not to exceed 7 consecutive calendar days, when through traffic may be detoured as shown on sheet _____. Before and after the closure, a minimum of one lane of two-way traffic may be maintained using flaggers from 6 am to 4 pm. A disincentive shall be assessed in the amount of \$ _____ per day for each calendar day the roadway remains closed to traffic beyond the specified limit.

CLE-132-17.76:

A minimum of one lane of traffic in each direction shall be maintained at all times, except for a period not to exceed 30 consecutive calendar days, when through traffic may be detoured as shown on sheet _____. A disincentive shall be assessed in the amount of \$ _____ per day for each calendar day the roadway remains closed to traffic beyond the specified limit.

Designer notes: Include TEM notes 642-06, 642-12, 642-58 and any other applicable TEM notes.

CLE-48:

- Coordinate with the Loveland-Symmes Fire Department. If desired, they can store equipment in the closure (sidewalks will be available to cross). Closure should occur between June 1 and August 15.
- Environmental PM to coordinate closure with City of Loveland and verify any festival or closure date restrictions.

CLE-132:

- Detour route appears to be US-50 to SR-133 to SR-131. Verify detour route with Traffic Department. Specify window contract from June 1 to August 15 to avoid schools. Limit closure period to 30 days, verify after Stage 3 is complete.
- The closure duration will need to be verified during design based on the amount of deck removal and based on bridge painting. Consult Jim Griffo to determine where paint equipment will be able to be stored – if equipment can't be stored on SW corner, it will need to be stored on the bridge deck increasing closure time
- Environmental PM to coordinate closure with Village of Owensville and verify any festival or closure date restrictions. SR-132 is to remain open during the Clermont County Fair.

Design Designations

	CLE-48-6.62	CLE-132-17.76
FUNCTIONAL CLASS	04 Minor Arterial (Urban)	05 Major Collector (Rural)
NHS	No	No
OPENING YEAR AADT (2026)	7,200	3,700
DESIGN YEAR AADT (2038)	7,600	3,700
DESIGN HOURLY VOLUME (2038)	1,000	450
DIRECTIONAL DISTRIBUTION	0.63	0.52
TRUCKS (24 Hour B&C)	2%	4%
Td	1%	1%

General Information

Existing Plans

CLE-48-6.62:

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CLE-132-1776:

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Inspection Photos and PIP photos

CLE-48-6.62:

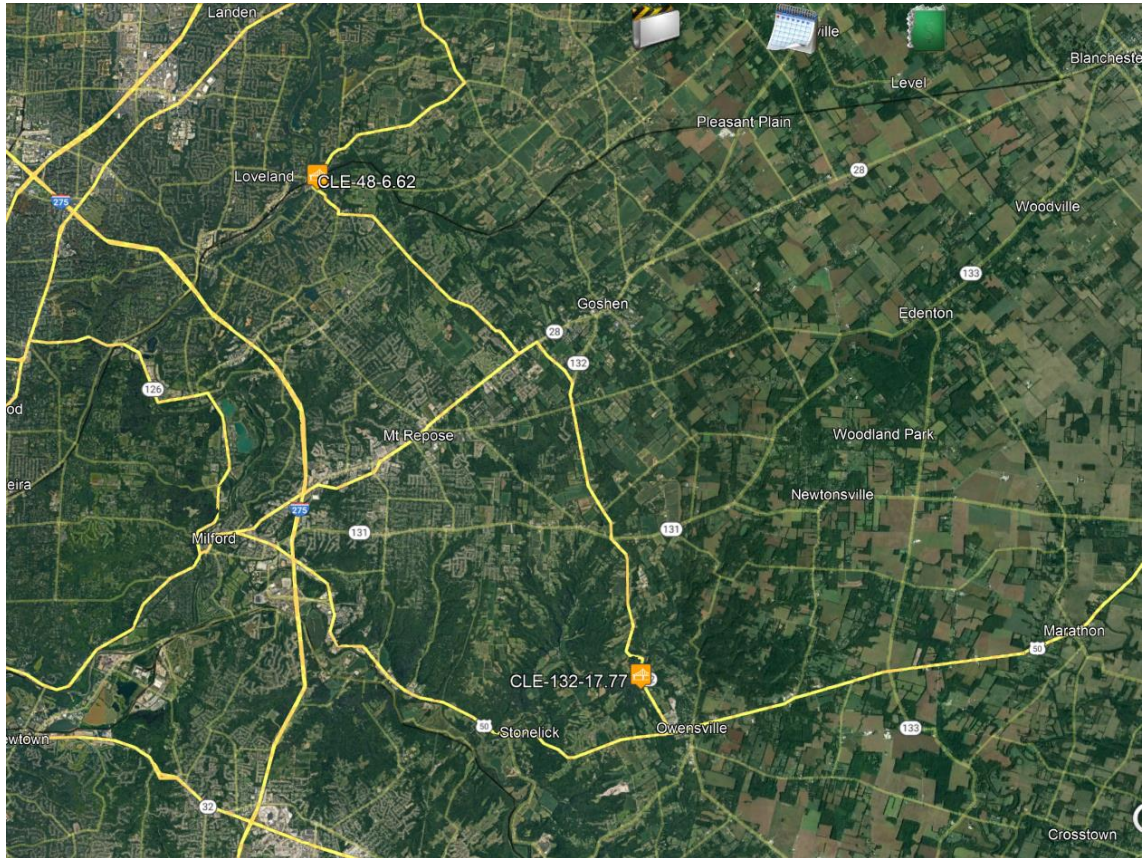
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CLE-132-1776:

















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Project Map



Initial schedule in Ellis

The schedule shown below is the tentative schedule shown in Ellis at the time of scope and is provided for information purposes only. See Ellis for the official schedule.

View Milestones						(Path 1) 102771 CLE SR 48/132 6.62/17.76
Milestone	SFY (Qtr)	Complete	Date	Construction Duration	Contract Estimate	
Assigned Milestones						
 Project Initiation Package	2022 (Q4)	✓	05/05/2022		\$1,400,000 	
 Initial Project Scope Complete	2022 (Q4)	—	05/30/2022			
 Begin In-House Detailed Design	2023 (Q1)	—	07/12/2022			
 Stage 1 Plans - Submitted	2023 (Q3)	—	03/09/2023			
 Stage 1 Plans - Complete	2023 (Q4)	—	04/23/2023			
 NEPA Start Date	2023 (Q4)	—	05/07/2023			
 Waterway Permit Determination - Complete	2023 (Q4)	—	06/06/2023			
 404/401 Permits Received from Agencies	2024 (Q3)	—	01/02/2024			
 Stage 3 Plans - Submitted	2024 (Q4)	—	04/17/2024			
 Environmental Document Approved	2024 (Q4)	—	05/01/2024			
 Stage 3 Plans - Complete	2024 (Q4)	—	06/01/2024			
 Tracings Complete	2025 (Q1)	—	07/01/2024			
 District R/W Certification	2025 (Q1)	—	09/28/2024			
 Final Tracings - Approved	2025 (Q1)	—	09/29/2024			
 Plan Package Received in C.O.	2025 (Q2)	—	10/09/2024			
 Sale	2026 (Q2)	—	10/01/2025			
 Award	2026 (Q2)	—	10/01/2025			
 Estimated Begin Construction	2026 (Q4)	—	04/01/2026		Does Not Apply	
 Estimated End Construction	2027 (Q1)	—	09/28/2026	Estimated: 180	Does Not Apply	