

BRIDGE NO.  
 CUY-87-1733  
 SFN 1807595  
 NO WORK

**CURVE DATA**  
 P.I. = STA. -2+48.00  
 $\Delta = 11^\circ 48' 30''$  LT  
 $D_c = 2^\circ 17' 31''$   
 $R = 2,500.00'$   
 $T = 258.54'$   
 $L = 515.24'$   
 $E = 13.33'$   
 P.C. = STA. -5+06.54  
 P.T. = STA. 0+08.70

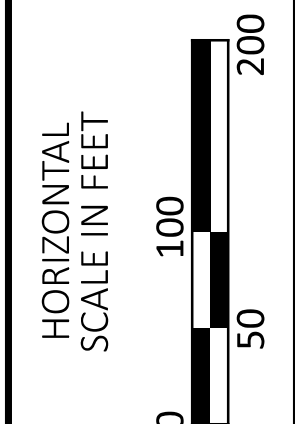
BEGIN PROJECT  
 STA. 0+00.00  
 S.L.M. = 0.00  
 E150(774)

PLAN SPLIT #1

**CURVE DATA**  
 P.I. = STA. 8+32.08  
 $\Delta = 23^\circ 47' 37''$  RT  
 $D_c = 3^\circ 58' 44''$   
 $R = 1,440.00'$   
 $T = 303.37'$   
 $L = 598.00'$   
 $E = 31.61'$

**CURVE DATA**  
 P.I. = STA. 18+01.22  
 $\Delta = 18^\circ 22' 27''$  LT  
 $D_c = 3^\circ 57' 05''$   
 $R = 1,450.00'$   
 $T = 234.51'$   
 $L = 465.00'$   
 $E = 18.84'$

**CURVE DATA**  
 P.I. = STA. 23+54.27  
 $\Delta = 5^\circ 02' 28''$  LT  
 $D_c = 2^\circ 27' 33''$   
 $R = 2,330.00'$   
 $T = 102.57'$   
 $L = 205.00'$   
 $E = 2.26'$



**SCHEMATIC PLANS**  
 BEGIN PROJECT TO STA. 49+00

DESIGN AGENCY



DESIGNER  
 VLN

REVIEWER  
 EJK 5/17/23

PROJECT ID  
 85601

SHEET	TOTAL
2	24

**GENERAL**

**Project Description**

This project consists of resurfacing of Kinsman Road (SR-87) from the Cuyahoga County Line to Chillicothe Road (SR-306) in Russell Township in Geauga County.

**Existing Typical Sections**

Existing typical sections have been taken from the records and are believed to represent the existing pavement, but the State of Ohio does not guarantee the accuracy of the same.

For further information regarding the existing typical sections and drainage details, the Contractor shall refer to the previous construction plans.

These plans may be reviewed at the following location:

Ohio Department of Transportation  
District 12 Office  
5500 Transportation Boulevard  
Garfield Heights, OH 44125

**Plan Sheet Stationing**

The roadway was not surveyed prior to the preparation of these resurfacing plans. Record drawings were used to prepare plan sheets and calculate estimated pavement area quantities and pavement marking quantities.

**Right of Way**

All work shall be performed within the existing right of way or easements.

**Work Limits**

The work limits shown on these plans are for physical construction only. Provide the installation and operation of all work zone traffic control and work zone traffic control devices required by these plans whether inside or outside these work limits.

**Contingency Quantities**

The Contractor shall not order materials or perform work for items designed by plan note to be used "As Directed By The Engineer" unless authorized by the Engineer. The actual work locations and quantities used for such items shall be incorporated into the final change order governing the completion of this project.

**Equipment and Material Storage**

In order to provide for the safety of the traveling public, the Contractor's attention is directed to 614.03. In addition, the following provisions shall apply:

1. Any removed items shall not be stored on the right of way for more than thirty (30) days.
2. The storage of equipment, materials, and vehicles within the highway right of way will be permitted. The number of areas and exact locations shall be approved by the Engineer.
3. All disturbed areas shall be returned to their original condition at no expense to the State.

**Construction Noise**

Activities and land use adjacent to this project may be affected by construction noise. In order to minimize any adverse construction noise impacts, do not operate power-operated construction-type devices between the hours of **9:00 PM** and **7:00 AM**. In addition, do not operate at any time and device in such a manner that the noise created substantially exceeds the noise customarily and necessarily attendant to the reasonable and efficient performance of such equipment.

**Cooperation between Contractors**

The Contractor shall cooperate and coordinate his/her operations with the contractors on other projects that may be in force during the life of the contract. No waiver of any provisions of 105.07 of the Construction and Material Specifications (CMS) is intended.

**Staging Areas**

There are no specific areas given the plans for the Contractor to use as a staging area(s). If the Contractor wants to use an area(s) for staging, regardless if it falls within the project limits or not, the Contractor is to use the Right of Way E-Permitting System at <https://odhcp.bemcorp.net/Accounts/Account/Account> in order to apply for a permit per Section 107.02 of the CMS. For specific permitting questions, the Contractor can contact the District Permitting Office, (Melvin Safford) at 216-584-2137 or at [District12Permits@dot.ohio.gov](mailto:District12Permits@dot.ohio.gov).

If a permit is granted, all conditions of the permit shall be met in addition to the requirements of 104.04 of the CMS, at no additional cost to the State. If the Project Engineer deems that all the conditions of the permit were not met, then 10% of the Contract bid amount for mobilization shall be withheld until all the conditions of the permit are satisfied.

**Item 619 – Field Office, Type B, As Per Plan**

In addition to the requirements of CMS 619, the Contractor shall furnish and set up a Wi-Fi router meeting the requirements of IEEE 802.11ac for the exclusive use of the Department.

All other field office items supplied shall meet the requirements of a Type B Field Office.

Item 619 – Field Office, Type B, As per Plan..... **6 Months**

**Utilities**

Listed below are all known utilities located within the project construction limits together with their respective owners. The Ohio Department of Transportation has used the best available information to determine the utility companies serving this area but cannot guarantee that this utility company list is complete.

**AT&T**  
13630 Lorain Ave. – 2<sup>nd</sup> Floor  
Cleveland, OH 44111  
Attn: James Janis  
Cell: (216) 534-7285  
pj8191@att.com

**Spectrum**  
Attn: Emil Symister  
Phone: (440) 343-1530  
Emil.Symister@charter.com

**CEI**  
Attn: John Zassick  
Phone: (440) 546-8706  
jmzassick@firstenergycorp.com

**Windstream**  
100 Owen Brown Street  
Hudson, Ohio 44236  
Attn: Jon Hobby  
Phone: (440) 285-5474  
Jon.Hobby@windstream.com

**Dominion Energy Ohio**  
320 Springside Drive, Suite 320  
Akron, OH 44333  
Phone: (330) 664-2409  
Relocation@dominionenergy.com

**Zayo**  
OSP Engineering  
Cortland, OH 44410  
Attn: John P. Bruce  
Cell: (769) 216-8095  
John.Bruce@zayo.com

**Geauga County Water Resources**  
Attn: Nicholas Gorris, PE  
Phone: (440) 279-1986  
nicholasg@gcdwr.org

There are no underground utilities shown on this plan. The nature of the work required by this project will not affect any known underground utilities that exist under or adjacent to the work area.

**Window Contract Table**

Description of Critical Work	Calendar Days to Complete	Disincentive Amount per Day	Work Window	
			Start	End
All Work on Project	42	Per CMS 108.07	8/1/2024	9/30/2024



**VI. Payment**

Payment for providing, erecting, maintaining and removing temporary maintenance of traffic control devices shall be made under the lump sum price bid for Item 614 – Maintaining Traffic.

**Lanes Open During Holidays or Special Events**

No work shall be performed, and all existing lanes shall be open to traffic during the following designated holidays or events:

New Year's Day (observed)	General / Regular Election Day (Nov.)
Total Solar Eclipse (4/8/24)	Thanksgiving
Memorial Day	Christmas (observed)
Fourth of July (observed)	(Other Holiday or Special Event)
Labor Day	

The period of time that the lanes are to be open depends on the day of the week on which the holiday or event falls. The following schedule shall be used to determine this period:

<b><u>Day</u></b>	<b><u>Times All Lanes Must Be Open</u></b>
Sunday	12:00 Noon Friday through 6:00 AM Monday
Monday	12:00 Noon Friday through 6:00 AM Tuesday
Monday (Solar Eclipse)	12:00 Noon Friday through 6:00 AM Wednesday
Tuesday	12:00 Noon Monday through 6:00 AM Wednesday
Tuesday (Gen./Reg. Election)	5:00 AM Tuesday through 12:00 AM Wednesday
Wednesday	12:00 Noon Tuesday through 6:00 AM Thursday
Thursday	12:00 Noon Wednesday through 6:00 AM Monday
Thursday (Thanksgiving only)	6:00 AM Wednesday through 6:00 AM Monday
Friday	12:00 Noon Thursday through 6:00 AM Monday
Saturday	12:00 Noon Friday through 6:00 AM Monday

During the same periods, maintain pedestrian access if pedestrian access was present prior to construction.

Should the Contractor fail to meet any of these requirements, the Contractor shall be assessed a disincentive in the amount of \$45 for each minute the above-described lane closure restrictions are violated.

**Suspension of Work**

If the Contractor fails to comply with the provisions for traffic control as set forth in these plans or with provisions of the OMUTCD, the Engineer shall suspend work until the Contractor complies with the necessary requirements.

**Maintenance of Traffic Control Zones**

The Contractor shall be responsible for maintaining the signs, drums and temporary pavement markings at the locations detailed in the plans or specified in the Standard Drawings. When the Contractor is notified of deficiencies, he shall correct the deficiencies as soon as possible, preferably within 12 hours and no later than 24 hours.

**Construction Traffic**

All construction traffic shall use acceptable truck routes to access the construction area. Use of local residential streets is strictly prohibited unless allowed in writing by the local enforcement authority.

**Major Work Items**

The following major work items will require traffic maintenance which shall be incorporated into the Contractor's sequence of operations.

- A. Removal of existing RPMs
- B. Planing of asphalt concrete
- C. Completion of pavement repairs
- D. Adjustment / reconstruction of existing castings
- E. Placing of asphalt concrete
- F. Installation of center line rumble stripes
- G. Placing proposed pavement markings and raised pavement markers

**Continuous Access**

The Contractor shall maintain safe and adequate driveways and walkways in order to provide continuous access for pedestrians, passenger vehicles, trucks, and safety equipment to all adjoining properties.

The cost for all materials, equipment, and labor necessary to provide continuous access shall be included in the lump sum price for Item 614 – Maintaining Traffic.

**Maintaining Traffic and Sequence of Operations – Asphalt Concrete**

All asphalt concrete operations shall be conducted in a manner that will assure minimum danger and inconvenience to highway users. The procedure for the removal or placement of any existing or proposed asphalt course shall be such that no greater than 1-1/2" discontinuity in the elevation of the travelled surface shall be exposed to traffic.

Traffic shall not be permitted to cross any partial-width removal or resurfacing joint during the actual removal or paving operation except as necessary. Any partial-width longitudinal joints which must be exposed to traffic shall be ramped using Item 614 – Asphalt Concrete for Maintaining Traffic at a rate not steeper than 6:1.

Temporary transverse removal or paving joints which must be exposed to traffic shall be ramped using Item 614 – Asphalt Concrete for Maintaining Traffic at a rate not to exceed 1" in 10'.

For removal of existing overlays, a transition may be planed into the existing overlay and may be substituted for the asphalt ramps previously described, provided the transition is removed in a subsequent operation within 24 hours.

Whenever traffic is subject to partial width removals or overlays prior to full width completion, the Contractor shall provide W8-11-48 "UNEVEN LANES" signs (dual sign installation). Placement shall be as directed by the Engineer and included in the lump sum payment for Item 614 – Maintaining Traffic.

Whenever any part of the traveled surface is closed, the motorists shall be warned and diverted by the Contractor through the use of a flashing arrow, in addition to those provisions set forth in the OMUTCD, the Traffic Engineering Manual and the applicable Standard Construction Drawings.

The cost for all materials, equipment, and labor necessary to provide continuous access shall be included in the lump sum price for Item 614 – Maintaining Traffic.

**Work Zone Markings**

The following estimated quantities have been carried to the General Summary for use at locations identified by the Engineer for work zone pavement markings per the requirements of CMS 614.04 and 614.11. Place temporary markings at the same locations as the proposed permanent markings.

After the planing is completed, and again after the intermediate course is completed (2 applications total), use the following temporary markings:

Item 614 – Work Zone Center Line, Class I, 642 Paint .....	<b>5.24 Miles</b>
Item 614 – Work Zone Edge Line, Class I, 4", 642 Paint .....	<b>10.84 Miles</b>
Item 614 – Work Zone Stop Line, Class I, 642 Paint .....	<b>48 Ft</b>
Item 614 – Work Zone Channelizing Line, Class I, 642 Paint .....	<b>242 Ft</b>
Item 614 – Work Zone Arrow Line, Class I, 642 Paint .....	<b>6 Each</b>

After the surface course is placed, use the following temporary markings:

Item 614 – Work Zone Center Line, Class III, 642 Paint.....	<b>2.62 Miles</b>
Item 614 – Work Zone Edge Line, Class III, 4", 642 Paint .....	<b>5.42 Miles</b>
Item 614 – Work Zone Stop Line, Class III, 642 Paint .....	<b>24 Ft</b>
Item 614 – Work Zone Channelizing Line, Class III, 642 Paint .....	<b>121 Ft</b>
Item 614 – Work Zone Arrow Line, Class III, 642 Paint .....	<b>3 Each</b>

After planing or paving, the Contractor may place these signs instead of placing work zone edge lines, which shall be non-performed, as directed by the Engineer. These signs shall be removed when painted edge lines are present. The following estimated quantity has been carried to the General Summary:

Item 614 – Work Zone Marking Signs .....	<b>12 Each</b>
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**Permanent Pavement Markings**

After placing the surface course, the Contractor may place permanent pavement markings instead of placing work zone pavement markings, which shall be non-performed at these locations.

**Item 614 – Asphalt Concrete for Maintaining Traffic**

This item shall be used to install and remove temporary asphalt ramps at butt joints, and drainage/utility casting, where required. Material shall be removed prior to the placement of the next course of asphalt. The following estimated quantity has been carried to the general summary to accomplish this item of work.

Item 614 – Asphalt Concrete for Maintaining Traffic.....	<b>50 CY</b>
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DESIGN AGENCY



DESIGNER

VLN

REVIEWER

EJK 5/17/23

PROJECT ID

85601

SHEET TOTAL

10 | 24

