It is proposed to correct landslide damage to US 52 in Brown County. The project includes a drilled shaft retaining wall with minor pavement and guardrail repairs.

The project is located in a rural area of Union Township in Brown County.

The project was surveyed for running buffalo clover on May 28, 2015. The survey determined that potentially suitable habitat for this species was not present within the project limits. All quads around the project area are impacted by mowing, herbicidal spraying and other recent disturbances. The project will have a No Effect on the running buffalo clover.

The project will require approximately 0.072 acres of permanent right-of-way. The permanent right-of-way is located along a forested slope.

No homes or businesses will be removed by the project. According to US census data a low income population is adjacent to the project area.

The funding for the project is 80% Federal and 20% State. The environmental commitment date is 10/3/2016. The project is currently expected to be awarded 7/1/2017. A road closure may be needed to complete the project.
Aerial Location Map
BRO-US 52-10.15

ODOT District 9 Planning and Engineering Department
September 2016
Base Map: Bing Maps Hybrid
Aerial Location Map
BRO-US 52-10.15

ODOT District 9 Planning and Engineering Department
September 2016
Base Map: OSIP 2

PROJECT AREA
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

BRO-52-10.15
UNION TOWNSHIP
BROWN COUNTY

LOCATION MAP
LATITUDE: N38°45'30" LONGITUDE: W83°52'30"
SCALE IN MILES

DONE PROJECT
STA. 538+00.00
SLM = 10.16

RECEIVED PROJECT
STA. 639+75.00
SLM = 10.22

PROJECT DESCRIPTION
LANDSLIDE REMEDIATION INVOLVING 0.07 MILES OF U.S. ROUTE 52 IN UNION TOWNSHIP AND BROWN COUNTY WHICH CONSISTS OF A DRILLED SHAFT RETAINING WALL WITH MINOR PAVEMENT AND GUARDRAIL REPAIRS.

EARTH DISTURBED AREA
PROJECT EARTH DISTURBED AREA:

ESTIMATED CONTRACTOR EARTH DISTURBED AREA:

NOTICE OF INTENT EARTH DISTURBED AREA:

INDEX OF SHEETS:

TITLE: TYPICAL SECTIONS GENERAL NOTES MAINTENANCE OF TRAFFIC GENERAL SUMMARY ROADWAY SUBSIDIARY PLAN AND PROFILE CROSS-SECTIONS DRILLED SHAFT WALL PROFILE DRILLED SHAFT DETAILS RIGHT-OFF-WAY SOIL PROFILE

PAGE NUMBERS: 2, 3, 5, 6, 9, 10-18, 20

2016 SPECIFICATIONS

2016 SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SMALL GIVES THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

STAGE 2 PLANS - NOT FOR CONSTRUCTION

STANDARD CONSTRUCTION DRAWINGS SUPPLEMENTAL SPECIFICATIONS SPECIAL PROVISIONS

ENGINEERS SEAL:

APPROVED
DATE: DISTRICT DEPUTY DIRECTOR

APPROVED
DATE: DIRECTOR, DEPARTMENT OF TRANSPORTATION

SIGNED:
DATE:

UNDERGROUND UTILITIES
CONTACT BOTH SERVICES TWO WORKING DAYS BEFORE YOU DIG.

Ohio Utilities Protection
Call Before You Dig
1-800-362-2764
Service:

(Co-co owners must be called directly)

CABLE & GAS PROTECTION
UNDERGROUND PROTECTION SERVICE
1-800-897-9888

PLAN PREPARED BY
ODOT - DISTRICT 9 PLANNING & ENGINEERING
650 EASTERN AVENUE
CHILLICOTHE, OH 45601
NOTES:
1. DESIGN SPECIFICATIONS:
   This structure conforms to "AASHTO BRIDGE DESIGN SPECIFICATIONS" adopted by the American Association of State Highway and Transportation Officials, 2014, and the current version of the FDOT Bridge Design Manual.

2. DESIGN DATA:
   CONCRETE CLASS DCC - COMPRRESSIVE STRENGTH 4,000 PSI
   DRILLED SHAFT
   STRUCTURAL STEEL - 45F2 GRADE 50 - YIELD STRENGTH 50,000 PSI


26' TO 6' CONSTRUCTION US-82

STEEL BEAM SHALL BE 6' BELOW FINAL SHAFT TOP ELEVATION FOR PROPER COVER

EX. GROUND LINE

DIAMETER
SECTION A-A

TOP OF BEDROCK VARIES, SEE PROFILE THIS SHEET

HOLLOW STEEL BEAM REINFORCEMENT CENTERED AT THE DRILLED SHAFT, SEE GENERAL NOTE ON SHEET A.
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<th>STATION</th>
<th>OFFSET RIGHT</th>
<th>TOP OF DRILL LEADER ELEVATION</th>
<th>TOTAL DRILL LEADER ELEVATION</th>
<th>SHAFT LENGTH INTO ROCK</th>
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<th>DRAW SIZE</th>
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Totals Carried to General Summary 140 188
Totals for Each Beam Type M24x62 194.0
PHOTO LOCATION MAP
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