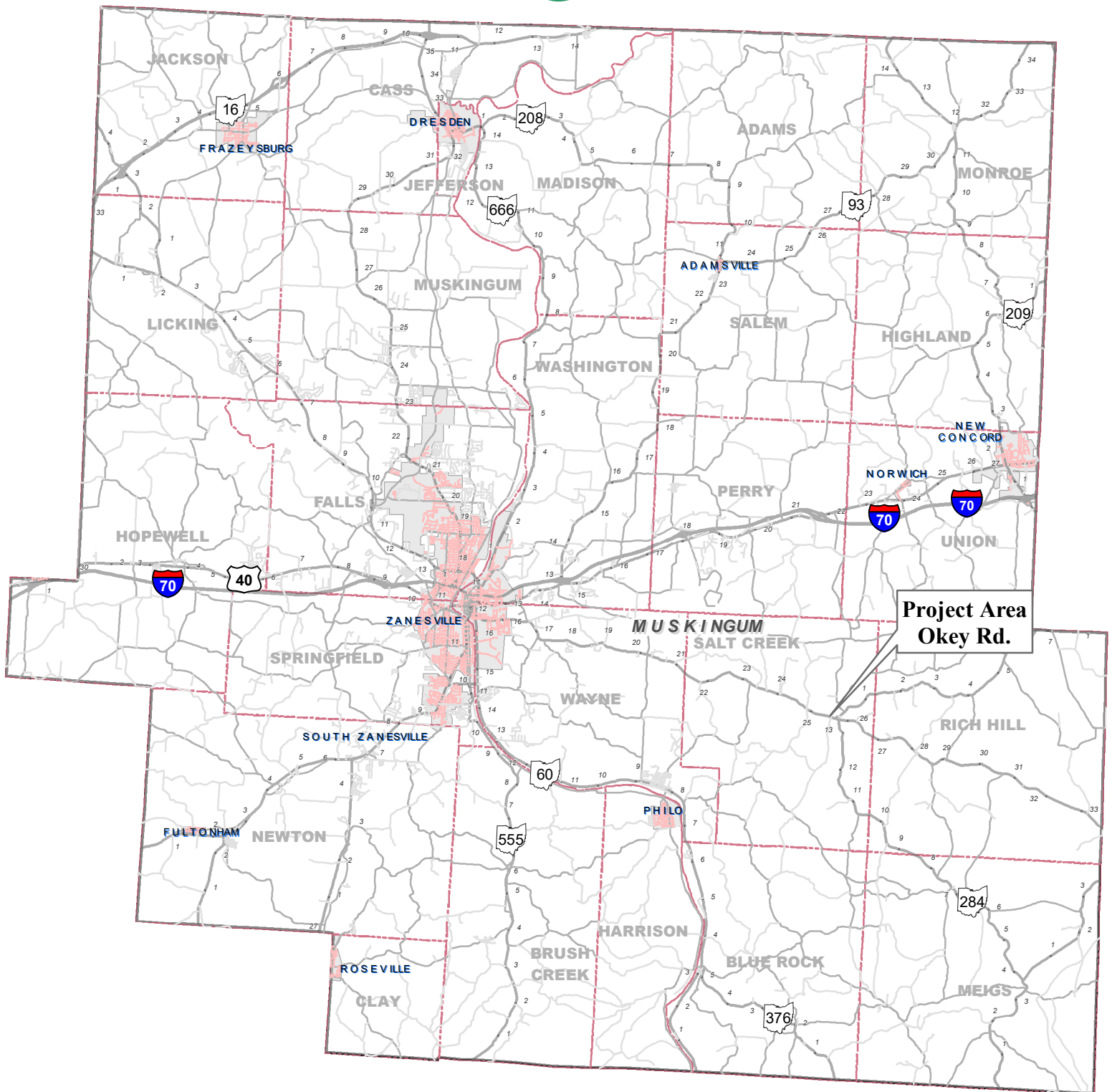


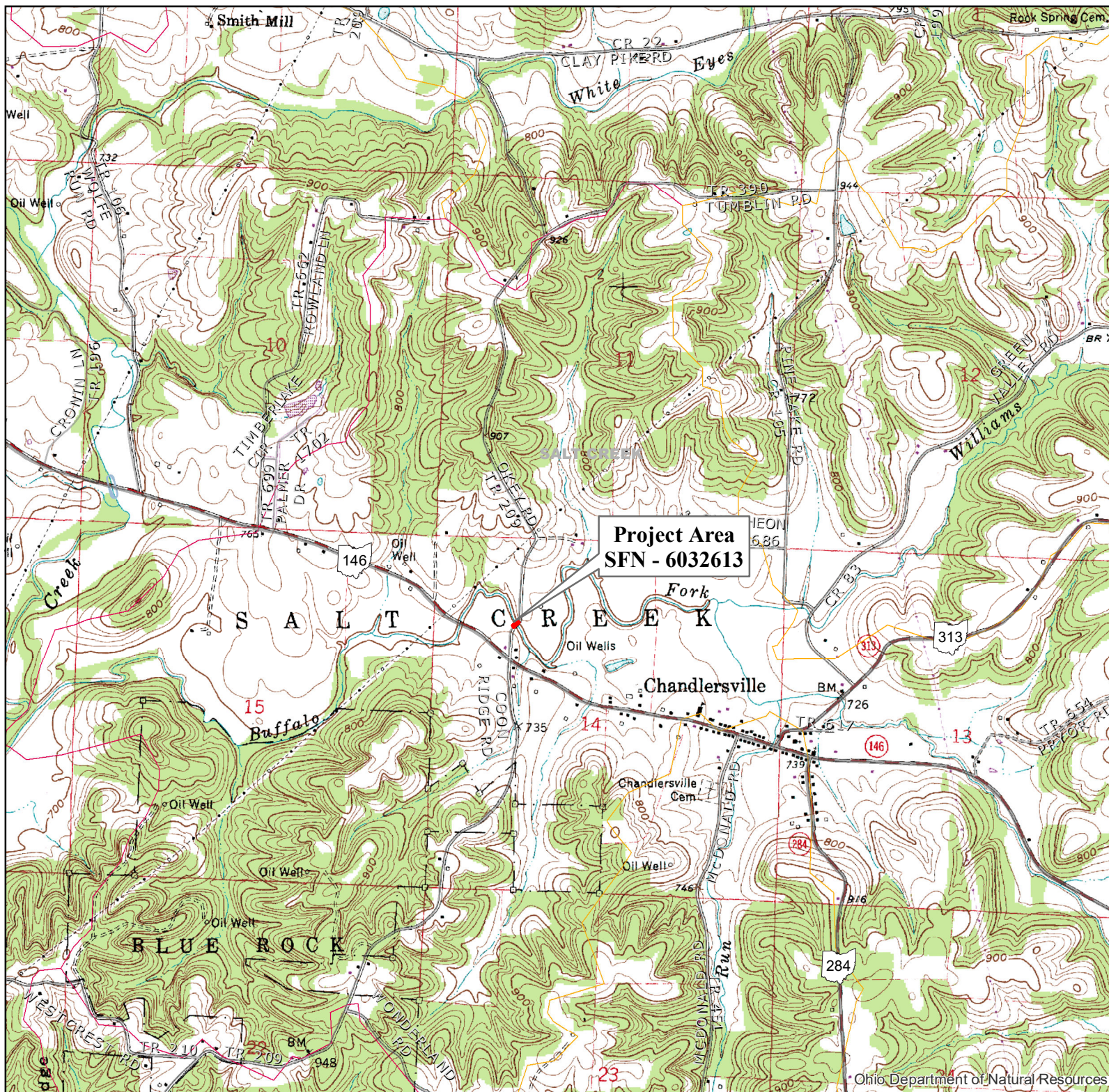
The Muskingum County Engineer's Office, in consultation with the Ohio Department of Transportation (ODOT), is proposing to replace a deficient bridge (SFR 6032613), which carries Okey Road (TR209) over the Buffalo Fork Creek. The structure is located near the City of Chandlersville, Muskingum County, Ohio. The existing Muskingum County owned structure is a riveted camelback (pratt) pony truss that is registered as a historic structure and is the only remaining structure of this type in Ohio. The existing truss exhibits surface corrosion on the majority of its steel members with noted section loss and heavy deterioration of the gussets/connecting components at the bottom chord to vertical/diagonal connections and near the bearings. The existing structure is a riveted camelback pony truss and was constructed in 1935 and rehabilitated in 2004, in which a new corrugated metal deck and asphalt wearing surface were installed. Record plans do not exist for the original or rehabilitation plans. This bridge was identified in the First Historic Bridge Inventory, Evaluation and Management Plan (1983) as the only representative of its structural type in Ohio and thus was recommended as eligible for inclusion on the National Register of Historic Places. The bridge is currently posted for reduced legal load of 3 ton due to its deteriorated condition and overall light structural steel framing. Low traffic volumes, which generally consists of passenger vehicles and a weekly waste removal truck, have allowed the bridge to remain capable of supporting its routine vehicular loading. Okey Road has a very low ADT of about 51 vpd and would be closed and detoured for any rehabilitation or replacement efforts.

Considering the overall condition of the structure and results of the feasibility analysis, it is proposed that the bridge will need to be replaced. The Muskingum County Engineer's Office is also in favor of replacing the structure considering the condition, maintenance, and use restrictions present currently and into the future if the structure were to remain. As such, a 20' total bridge width will be provided for with a new bridge. The proposed structure type will be the installation of a new steel truss bridge which will include guardrail and some approach work. Also, the new structure will be on slightly different alignment. The existing riveted camelback that is eligible for the NRHP will be disassembled and given to Clear Creek metropark for re-erection and preservation within the park.

**The Ohio Department of Transportation
MUSKINGUM COUNTY**

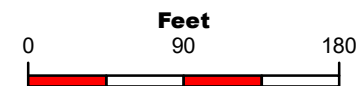
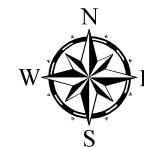


**MUS-TR 209-2.74
PID 104046**



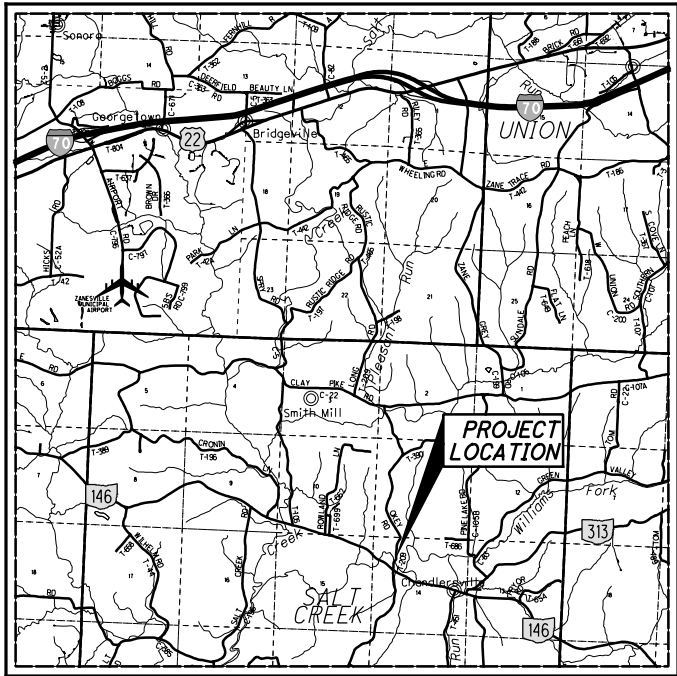
MUS-TR 209-2.74
PID 104046

Norwich 7.5'
Quadrangle Map



MUS-TR 209-2.74
PID 104046

2014 OSIP
Aerial Imagery



LOCATION MAP

LATITUDE: 39°54'11" N LONGITUDE: 81°50'20" W



PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
FEDERAL ROUTES	
STATE ROUTES	
COUNTY & TOWNSHIP ROADS	
OTHER ROADS	

DESIGN DESIGNATION

CURRENT ADT (2019)	51
DESIGN YEAR ADT (2039)	57
DESIGN HOURLY VOLUME (2039)	7
DIRECTIONAL DISTRIBUTION	55
TRUCKS (24 HOUR B&C)	6
DESIGN SPEED	20 MPH
LEGAL SPEED	45 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
LOCAL	

DESIGN EXCEPTIONS

NONE REQUIRED



PLAN PREPARED BY:



Mark J. Eicher, P.E., P.S.
155 Rehl Road
Zanesville, Ohio 43701
740-454-0155

MUSKINGUM COUNTY
ENGINEER'S OFFICE

MUS - T.R.209 - 2.74

SALT CREEK TOWNSHIP
MUSKINGUM COUNTY

INDEX OF SHEETS:

TITLE SHEET	1
TYPICAL SECTIONS	2
GENERAL NOTES	3
PLAN AND PROFILE	4
CROSS SECTIONS	5-7

STAGE 1 PLAN SUBMITTAL

ENGINEERS SEAL:	STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS
<div>SIGNED: _____</div> <div>DATE: _____</div>	BP-3.1	##/##/##	DS-1-92	##/##/##			800 ##/##/##
			GSD-1-96	##/##/##			832 ##/##/##
	DM-1.1	##/##/##	TST-1-99	##/##/##			846 ##/##/##
	DM-4.3	##/##/##					
	DM-4.4	##/##/##					
	MGS-1.1	##/##/##					SPECIAL PROVISIONS
	MGS-2.1	##/##/##					
	MGS-3.1	##/##/##					
	MGS-4.1	##/##/##					
	MT-101.60	##/##/##					

PROJECT DESCRIPTION

IMPROVEMENT OF 0.05 MILE OF T.R.209 IN SALT CREEK TOWNSHIP, BY REPLACING A SINGLE SPAN STEEL TRUSS BRIDGE OVER BUFFALO FORK WITH A STEEL TRUSS BRIDGE INCLUDING GUARDRAIL AND MINIMAL APPROACH WORK.

PROJECT EARTH DISTURBED AREA: 0.50 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.10 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

WE THE COMMISSIONERS OF MUSKINGUM COUNTY, IN FORMAL SESSION, HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET #.

MUSKINGUM COUNTY COMMISSIONER _____ DATE _____

MUSKINGUM COUNTY COMMISSIONER _____ DATE _____

MUSKINGUM COUNTY COMMISSIONER _____ DATE _____

MUSKINGUM COUNTY ENGINEER _____ DATE _____

FEDERAL PROJECT NO. E170592

PID NO. 104046

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT NONE

MUS - T.R.209 - 2.74

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MUS-TR 209-2.74 (Okey Rd.) PID - 104046



Looking at bridge facing SW

MUS-TR 209-2.74 (Okey Rd.) PID – 104046



Looking at bridge facing NE

MUS-TR 209-2.74 (Okey Rd.) PID - 104046



Left corner of bridge facing SW

MUS-TR 209-2.74 (Okey Rd.) PID – 104046



Right corner of bridge facing NW

MUS-TR 209-2.74 (Okey Rd.) PID – 104046



Right corner of bridge facing NW

MUS-TR 209-2.74 (Okey Rd.) PID - 104046



Right corner of bridge facing N

MUS-TR 209-2.74 (Okey Rd.) PID – 104046



Left side of bridge facing SW

MUS-TR 209-2.74 (Okey Rd.) PID - 104046



From bridge looking downstream

MUS-TR 209-2.74 (Okey Rd.) PID - 104046



From bridge looking upstream

MUS-TR 209-2.74 (Okey Rd.) PID - 104046



Looking downstream toward bridge

MUS-TR 209-2.74 (Okey Rd.) PID - 104046



Abutment facing N

MUS-TR 209-2.74 (Okey Rd.) PID - 104046



Underside of bridge with abutment facing N

MUS-TR 209-2.74 (Okey Rd.) PID - 104046



Underside of bridge with abutment facing N

MUS-TR 209-2.74 (Okey Rd.) PID - 104046



Abutment facing SW

MUS-TR 209-2.74 (Okey Rd.) PID - 104046



Underside of bridge facing NE

MUS-TR 209-2.74 (Okey Rd.) PID - 104046



Close-up view of underside of bridge