

# WATERS AND WETLANDS EVALUATION REPORT

## For

County	Cleveland	JP Number	33025(04)	Project Number	J3-3025(004)PM
Road Number	SH 37	Water Body Name		N/A	
ROW Date	2019	Let Date	2022	Project Length	0.3 miles
Project General Location		SH 37 (4th Street): from 0.15 miles east of I-35, extend east 0.30 miles.			
Project Statement		Grade, drain, bridge and surface			

Prepared for:  
Oklahoma Department of Transportation  
Environmental Programs Division  
200 NE 21<sup>st</sup> Street  
Oklahoma City, OK 73105

## Prepared by:

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City, State Zip	Owasso, OK 74055

Report Date:	May 21, 2021
Field Date:	May 17, 2021

**PROJECT OVERVIEW**

<b>Project Type (Choose one)</b>	<b>Check <math>\checkmark</math></b>
Bridge and Approaches or bridge widening/structure extension	
Grade, Drain, Surface and Bridge	$\checkmark$
Grade, Drain and Surface	
Asphalt Overlay Resurfacing	
Widen and Resurface existing lanes	
Pavement Reconstruction or rehabilitation	
Bridge Rehabilitation	
Safety Improvements (Cable Barrier, Guardrail, signage)	
Intersection Modifications	
Safe Routes to School (Describe)	
Enhancements (Describe)	
Other (Describe)	

Description of the **existing** bridge/roadway

The existing roadway consists of four, 12-foot concrete-paved, curbed lanes, which cross the BNSF intersection at grade. There are no sidewalks or shoulders along this stretch. Electrical utilities run along the eastside of 4<sup>th</sup> Street. The current (2021) Annual Average Daily Traffic (AADT) is 15,500 vehicles per day (vpd) with a future 20-year AADT of 18,600 vpd.

Description of **proposed** improvements **SPECIFIC TO THIS PROJECT**

The proposed project is construction of an underpass beneath the BNSF railroad. The proposed project would construct a concrete-paved underpass that would carry 4th Street beneath the BNSF railroad and include the construction of retaining walls and a sidewalk. The roadway would be composed of four, 13-foot concrete paved driving lanes and a 12-foot raised median under the tracks. On either side of the tracks the 12-foot center would be used as a turn lane. Currently the BNSF runs two tracks at this point, but the proposed project would include room for three tracks.

During construction, the roadway will be closed, and traffic will be detoured. The railroad will be diverted on a shoofly during construction. The project also includes relocation of properties adjacent to the project area as the proposed construction would remove access to those properties from 4th Street.

The NEPA study area’s eastern terminus is at 4th Street and Tower Drive and the western

terminus is at 4th Street and S. Broadway Street. The northern boundary of the study area is E. Main Street to the north and the southern boundary is a point 1,453 feet from 4th Street along the BNSF railroad. The study area limits along 4<sup>th</sup> Street are typically 100 feet wide, generally centered on centerline. Across from the City of Moore Park and Santa Fe Street, there are two “bumpouts” of proposed right-of-way that are approximately 580 feet and 160 feet, respectively.

### Project Environmental Study Footprint

Project Location		Environmental Study Footprint	
Section Range & Township	Lat/Long (NAD 83)	Dimensions	Acreage
Sections 14 & 23 of T10N-R3W	35.334367/-97.484526	0.3 miles along SH 37, generally 50ft north and south of centerline. Across from the City of Moore Park and Santa Fe Street, there are two bumpouts of proposed right-of-way that are approximately 580 feet and 160 feet, respectively. 0.55 miles along BNSF railway, 300ft east and west narrowing to 100ft east and west 300ft south of SH 37 centerline.	19.5

### Environmental Study Footprint Soils (NRCS Soil Survey Map)

Map Unit Name	Percent Slope	Drainage Class	Hydric Rating		Description
			YES	NO	
Kirkland-Urban land-Pawhuska complex	0-3	Moderately well to Well drained		√	Clayey alluvium derived from sedimentary rock over clayey residuum weathered from calcareous shale and Clayey mine spoil or earthy fill derived from sedimentary rock and Saline clayey residuum weathered from sandstone and shale. Moderate available water capacity.
Renfrow Urban land-Huska complex	1-5	Moderately well to Well drained		√	Clayey residuum weathered from shale and Clayey mine spoil or earthy fill derived from clayey shale and Saline clayey residuum weathered from

					sandstone and shale. Low to High available water capacity.
Kirkland silt loam	0-1	Well drained		√	Clayey alluvium derived from sedimentary rock. High available water capacity.

**Environmental Study Footprint General Description and Vegetation Present**

Community types that may be impacted by construction activities include maintained right of way (ROW), maintained lawn, and unmaintained tree line. Environmental conditions appeared to be wet at the time of the survey. The month prior to the site assessment, the study area had received 4.91 inches of rain. According to National Drought Monitor data, the area was not experiencing drought conditions at the time of site reconnaissance. Topography in the area is flat.

Maintained ROW: Dominant vegetation in this community type included bermudagrass (*Cynodon dactylon*), white clover (*Trifolium repens*), common dandelion (*Taraxacum officinale*), and various plantings of Bradford pear (*Pyrus calleryana*), Chinese elm (*Ulmus parvifolia*), and Chinese pistache (*Pistacia chinensis*) (Photographs 1 & 2).

Maintained Lawn: Dominant vegetation in this community type included bermudagrass (Photograph 3).

Unmaintained Tree Line: Dominant vegetation in this community type included bermudagrass, Siberian elm (*Ulmus pumila*), American elm (*Ulmus americana*), yellow sweet clover (*Melilotus officinalis*), and Bradford pear (Photograph 4).

**WATERS AND WETLANDS EVALUATION**

**Data Sources Reviewed (list)**

USGS 7.5 minute Quad	NWI Map	USACE Wetland Regional Supplement	Additional Resources Reviewed
Moore, OK	USFWS – NWI	Great Plains	USDA NRCS Soil Survey

**Wetlands and Ponds Summary Table**

Field Sites	Type of Wetland or Pond	Cowardin Classification	Potential Jurisdictional Status	Acres within Environmental Study Footprint
-	-	-	-	-

**Streams and Drainages Summary Table**

Field Sites	Stream Name	USGS Mapped Status	Potential Jurisdictional Status	Acres within Environmental Study Footprint	Linear Feet within Environmental Study Footprint
-	-	-	-	-	-

*Streams and other linear aquatic features*

No stream/linear aquatic features were present on the NWI or during the field study.

*Wetlands and ponds*

No wetlands/ponds were present on the NWI or during the field study.

**FIGURES**