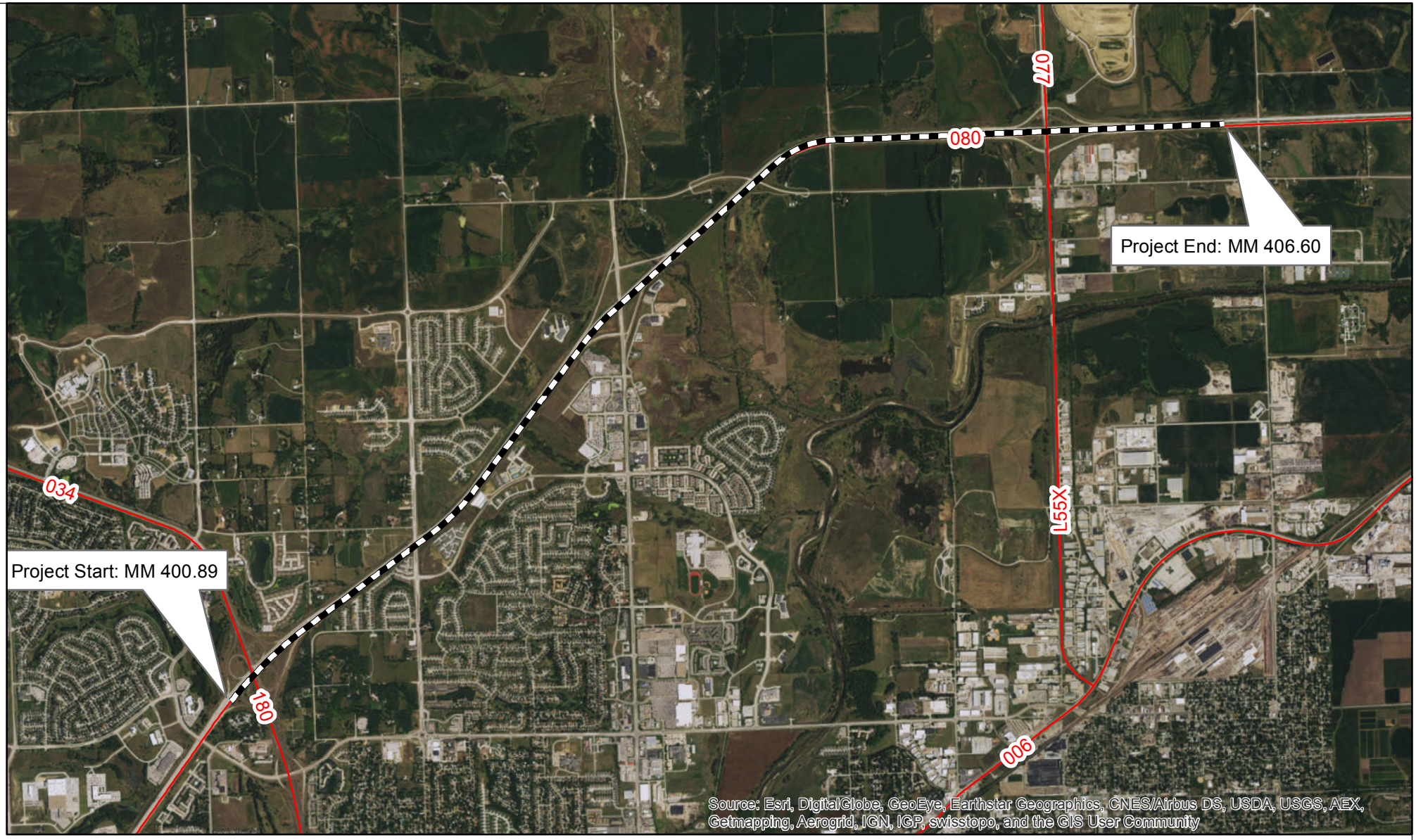
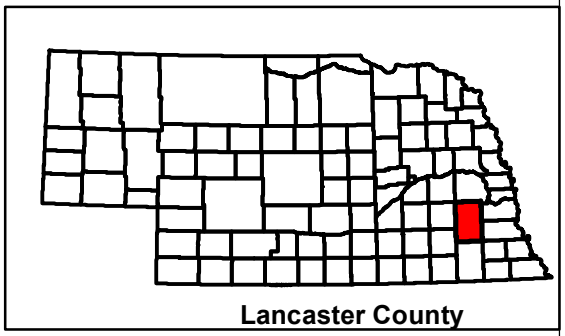


Miles
0 0.45 0.9 1.8

N

I-180 to US-77
CN: 13174
Project No.: NH-80-9(101)



Section 4(f) Initial Assessment Form

May 29, 2015

Project Name	Project Number
I-180 to US-77	NH-80-9(101)
Control Number	**Date Completed**
13174	6.7.2016
Project Location *(Town, County)*	**Name of Preparer**
Interstate 80 from Mile Marker (MM) 400.89 to 406.60 in Lancaster County.	Carrie Wencel

The following form was developed as an initial assessment of potential Section 4(f) properties within a project area. The number of each question block corresponds directly to the NDOR Section 4(f) Guidance section with the same number. **One Initial Assessment Form per PROJECT must be included as an attachment to the CE Form or incorporated into the appropriate chapter in the EA/EIS.**

NOTE: At the time the Section 4(f) Initial Assessment Form is filled out, the Section 106 process must be sufficiently complete that historic properties have been identified. A Section 106 Finding of Effect *(No Adverse Effect, Adverse Effect)* must be completed prior to determining whether the project results in a 'use' of an historic property. All Section 106 determinations and findings must be made and documented by NDOR Professionally Qualified Staff (PQS).

1. Identification of Section 4(f) Properties

A. *For historic properties*, based on the NDOR Section 106 Tier Review Form, are there properties that are listed or eligible for listing on the National Register of Historic Places?

☐ Yes ☒ No ☐ N/A (Section 106 Tier I)

If Yes, provide the name, Finding of Effect, and any other pertinent information from the Section 106 review for each identified property.

N/A

B. Are there existing or planned parks, recreation areas, or wildlife/waterfowl refuges present within a ¼ mile of the project area?

☒ Yes ☐ No

C. In consultation with the online resources identified in the Section 4(f) Guidance, list the **resources** used to determine if parks, recreation areas, or wildlife/waterfowl refuges are present.

Google Earth NGPC Public Access Atlas http://nebraskabirdingtrails.com/arbor-lake/ Lancaster County Assessor GIS Viewer: http://lincoln.ne.gov/gis/gisviewer/

D. Identify all potential Section 4(f) parks, recreation areas, and wildlife/waterfowl refuges *(include property name(s)*, *location(s) along project, etc.)*.

If No parks, recreation areas, or wildlife/waterfowl refuges are present, AND no historic properties need consideration from 1.A., indicate in the box below that no potential Section 4(f) properties are present. DOCUMENTATION IS COMPLETE.

Camp-A-Way Campground Whitehead Saline Wetlands King Saline Wetlands Superior St. Trail Lincoln Stonebridge Trail (under construction)

---

2. Applicability Criteria for Section 4(f) Parks, Recreation Areas, and Wildlife/Waterfowl Refuges (not Historic Properties)

A. List all properties from 1.D. that are (1) NOT publicly owned, or (2) NOT privately owned and leased to a public entity, for a Section 4(f) protected purpose, and how this was determined.

N/A

B. List all properties from 1.D. that are NOT open to the public, and how this was determined. (This does NOT apply to wildlife/waterfowl refuges.)

N/A

C. List all properties from 1.D. that are considered multiple-use properties, and what those uses are.

N/A

D. List all properties from 1.D. that were NOT called-out in 2.A. or 2.B.; **these properties will be carried forward in the Section 4(f) process. Also be sure to carry forward any multiple-use properties from 2.C. or historic properties from 1.A. that have temporary or permanent right-of-way acquisition or vibratory effects.** If no properties are carried forward, note below and DOCUMENTATION IS COMPLETE.

Camp-A-Way Campground
Whitehead Saline Wetlands
King Saline Wetlands
Superior St. Trail
Lincoln Stonebridge Trail (under construction)

---

3. Determination of Section 4(f) Use

A. Is there a potential *use* of the Section 4(f) applicable properties from 2.D. above? Will the properties be impacted by the project, including access restrictions? (See Guidance Section 3 for definition of *use*.)

☐ Yes ☒ No Is there a potential *permanent* use?

☐ Yes ☒ No Is there a potential *temporary* use (including exceptions)?

☐ Yes ☒ No Is there a potential *constructive* use?

Any Yes: complete the appropriate Section 4(f) analysis for each impacted property

No: state impact avoidance measures below, then DOCUMENTATION IS COMPLETE

B. List impact avoidance measures (for "No" answer only). If justification is needed to support a "No" answer in 3.A., describe below.

This project would not require additional property rights and would be constructed under traffic with lane closures controlled by approved temporary traffic control. Based on the project scope there would be no use of any of the properties.

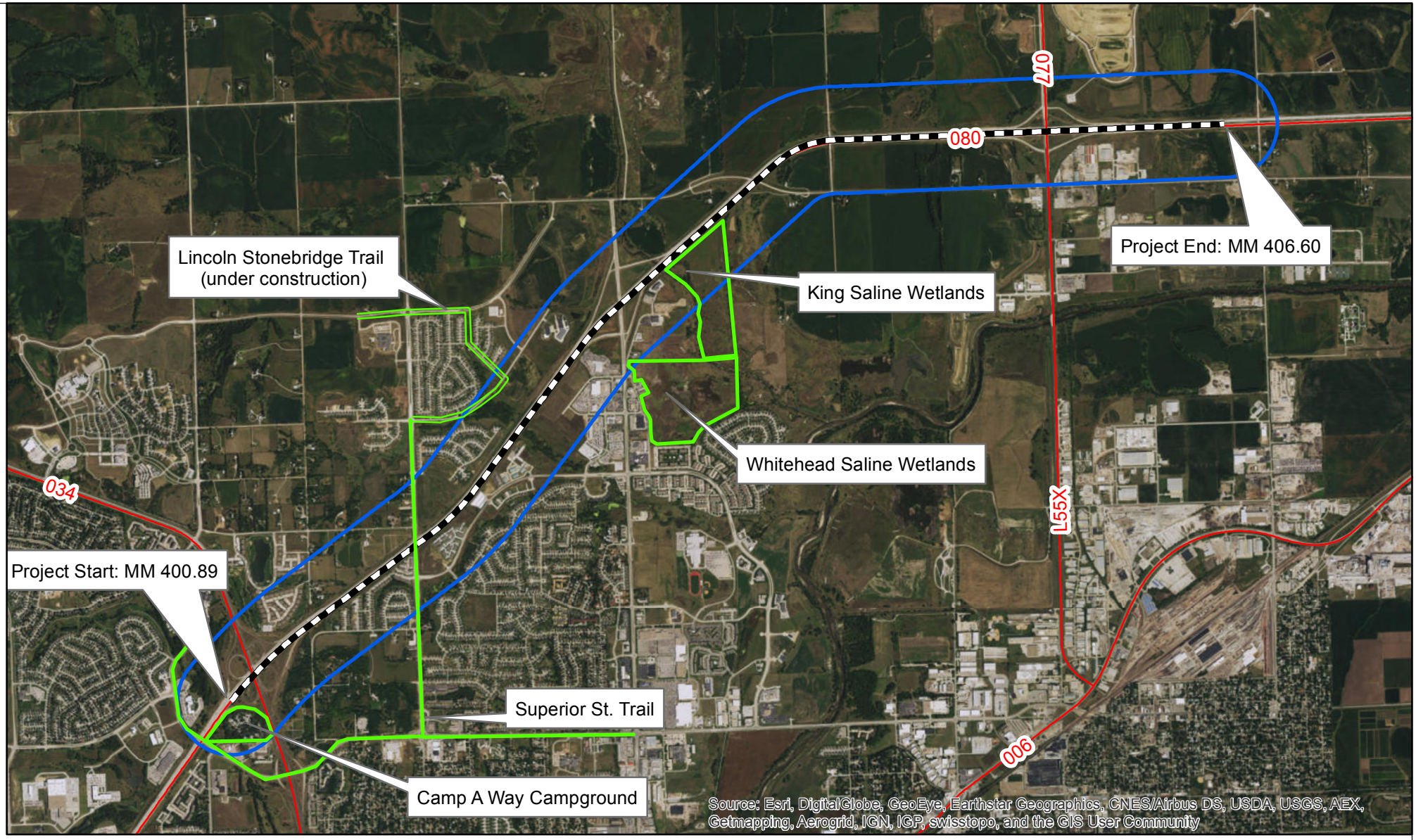
NDOR Reviewer Approval Signature: Date:

August 4, 2016

FHWA Environmental Signature: Date:

FHWA signature is only required in the following circumstances:

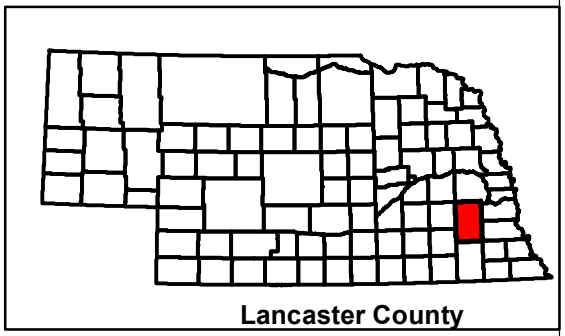
- If the property is leased
- If the property is considered multiple-use
- If the Official(s) with Jurisdiction claims that the property is NOT significant



Miles
0 0.45 0.9 1.8

N

I-180 to US-77
CN: 13174
Project No.: NH-80-9(101)



Dave Heineman
Governor

STATE OF NEBRASKA

DEPARTMENT OF NATURAL RESOURCES
Brian P. Dunnigan, P.E.
Director

February 3, 2012

IN REPLY TO:

Robert A. Carnazzo, PE
Hydraulics Unit Head
Nebraska Department of Roads
P.O. Box 94759
1500 Highway 2
Lincoln, NE 68502

Dear Mr. Carnazzo:

This letter is in response to your January 31 inquiry regarding the possibility of local jurisdictions granting a variance of their floodplain development regulations for your department's crack-filling, striping, milling and topping projects. If all three conditions described in Section §006.05 of the state's Minimum Standards for Floodplain Management Programs (attached) are met, local communities may grant the variance.

As you indicated, crack-filling and striping will not have an impact on floodplains/floodways. These activities fall outside of the definition of development as defined by the National Flood Insurance Program and therefore a floodplain development permit is not required.

For projects involving milling and topping and other paving work, the "Certificate of Compliance" jointly developed between our departments in 2009 should continue to be used for meeting local communities' floodplain development regulations.

Thank you for your efforts in keeping the Department of Roads' projects in compliance with the Nebraska's floodplain management standards.

Sincerely,

Shuhai Zheng, Ph.D., P.E., CFM
Head, Floodplain/Dam Safety/Survey Division

Enclosure

ds/fp/zheng/2012

NEBRASKA ADMINISTRATIVE CODE
TITLE 455, CHAPTER 1
RULES AND REGULATIONS CONCERNING MINIMUM STANDARDS FOR FLOODPLAIN MANAGEMENT PROGRAMS
June 27, 2008

006.05 Variances or exceptions may otherwise be granted upon (i) a showing of good and sufficient cause, (ii) a determination that failure to grant the variance would result in exceptional hardship to the applicant and (iii) a determination that the granting of a variance will not result in additional threats to public safety, extraordinary public expense, create nuisances, cause fraud on or victimization of the public, or conflict with other applicable laws or ordinances.

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures in this jurisdiction.

The **projection** used in the preparation of this map is based on a local Transverse Mercator projection. The **horizontal datum** was NAD 83, GRS 80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Society
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242
(301) 713-4172 (fax)

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (**301) 713-3242**, or visit its website at http://www.ngs.noaa.gov/.

Base Map information shown on this FIRM was provided in digital format by the City of Lincoln/Lancaster County. This information was photogrammetrically compiled at a scale of 1:1000 from aerial photography dated April 2007.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables may reflect stream channel distances that differ from what is shown on this map.

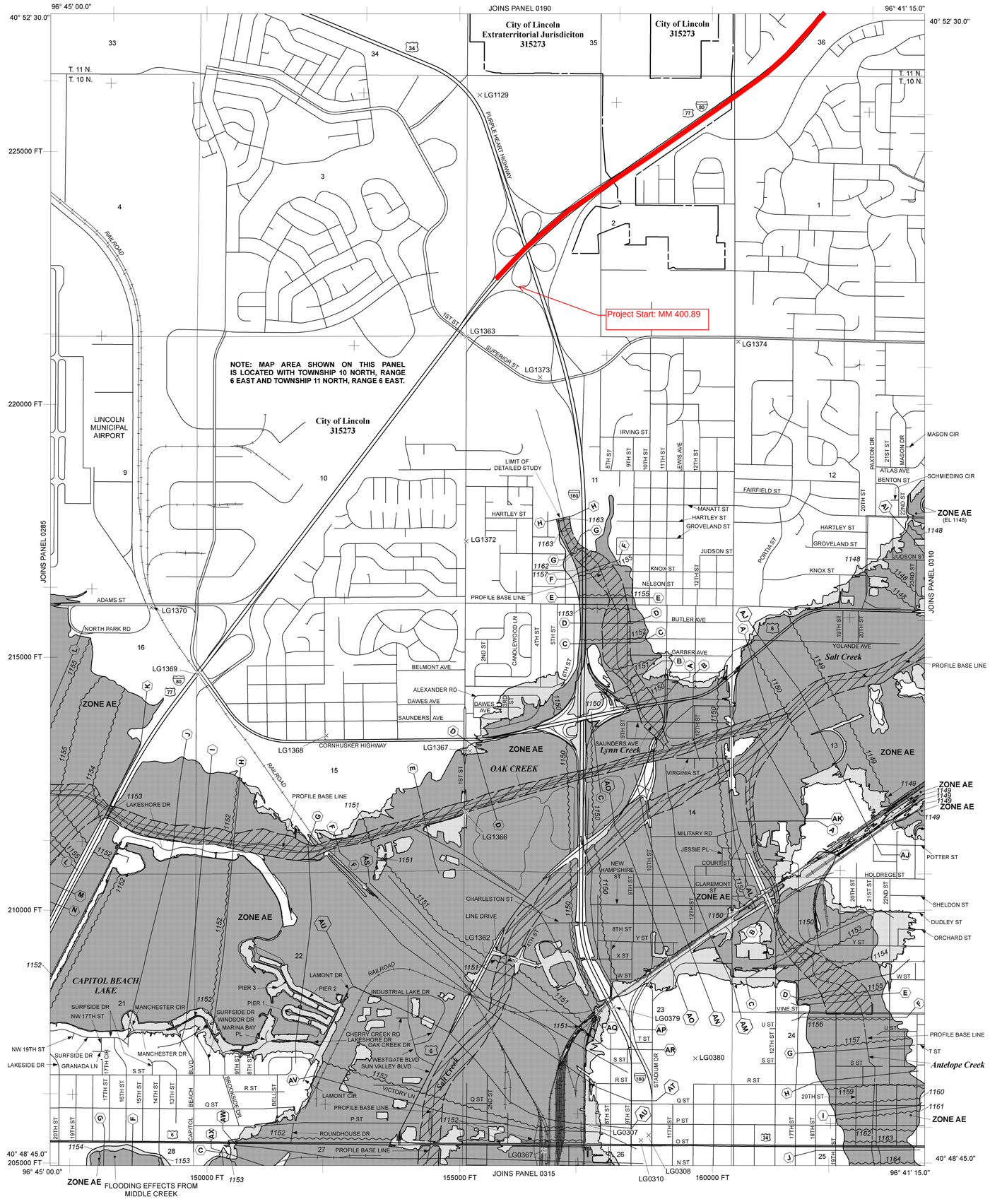
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov/.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.

The "profile base lines" depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the "profile base line," in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Area of special hazard formerly protected from the 1% annual chance flood event by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood event.
ZONE A99	Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

	1% annual chance floodplain boundary
	0.2% annual chance floodplain boundary
	Floodway boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Area Zones, and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
513	Base Flood Elevation line and value; elevation in feet *
(EL 978)	Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

A — A	Cross section line
23 - - - - 23	Transect line
	Culvert, Flume, Penstock, Aqueduct
97°10'30.5",32°10'30.5"	Geographic coordinates referenced to North American Datum of 1983 (NAD 83)
140000 FT	5000-foot grid ticks: Local Transverse Mercator coordinate system (U.S. feet)
+	5000-foot grid crosshairs: Nebraska State Plane coordinate system (U.S. feet)
MG5510 x	Bench mark (see explanation in Notes to Users section of this FIRM panel)
•M1.5	River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
SEPTEMBER 21, 2001

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
February 18, 2011 - to update corporate limits, to change Base Flood Elevations and Special Flood Hazard Areas, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'

500 0 1000 2000 FEET

300 0 300 600 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0305F

FIRM
FLOOD INSURANCE RATE MAP
LANCASTER COUNTY, NEBRASKA
AND INCORPORATED AREAS

PANEL 305 OF 625

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
LINCOLN, CITY OF	315273	0305	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
31109C0305F

MAP REVISED
FEBRUARY 18, 2011

Federal Emergency Management Agency

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) Report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS Report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study Report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study Report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Nebraska State Plane Nebraska Zone (FIPS zone 2600). The **horizontal datum** was NAD 83, GRS 1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713- 3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the City of Lincoln and Lancaster County Geographic Information Systems. This information includes transportation features, water features, political boundaries, and Public Land Survey System features.

The **profile baselines** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the **profile baseline**, in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

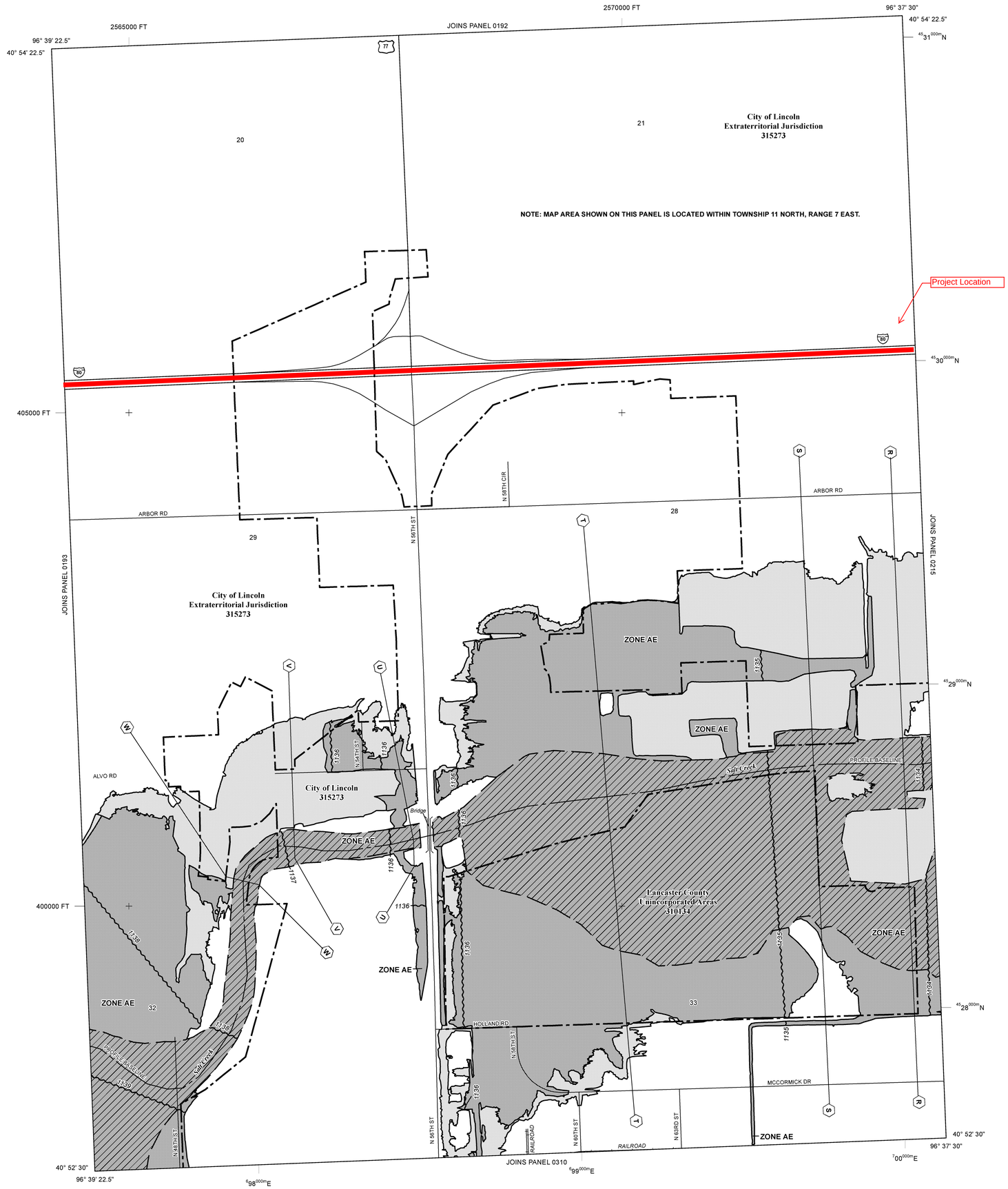
Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables for multiple streams in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on the map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information on available products associated with this FIRM visit the **Map Service Center (MSC)** website at http://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have **questions about this map,** how to order products, or the National Flood Insurance Program in general, please call the **FEMA Map Information eXchange (FMIX)** at **1-877-FEMA-MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

	1% Annual Chance Floodplain Boundary
	0.2% Annual Chance Floodplain Boundary
	Floodway boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.
513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the North American Vertical Datum of 1988

A — A	Cross section line
23 - - - 23	Transect line
	Culvert
	Bridge
45° 02' 08", 93° 02' 12"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere
3100000 FT	5000-foot ticks: Nebraska State Plane Nebraska Zone (FIPS Zone 2600), Lambert Conformal Conic projection
$^{49}89^{000m}$ N	1000-meter Universal Transverse Mercator grid values, zone 14
DX5510 ×	Bench mark (see explanation in Notes to Users section of this FIRM panel)
• M1.5	River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
September 21, 2001

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
February 18, 2011 - to update corporate limits, to change Base Flood Elevations and Special Flood Hazard Areas, to update map format, to add roads and road names and and to incorporate previously issued Letters of Map Revision.
April 16, 2013 - to change Base Flood Elevations.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET
150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0194G

FIRM
FLOOD INSURANCE RATE MAP
LANCASTER COUNTY, NEBRASKA
AND INCORPORATED AREAS

PANEL 194 OF 625
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
LANCASTER COUNTY	310134	0194	G
LINCOLN, CITY OF	315273	0194	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
31109C0194G

MAP REVISED
APRIL 16, 2013

Federal Emergency Management Agency

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) Report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS Report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study Report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study Report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Nebraska State Plane Nebraska Zone (FIPS zone 2600). The **horizontal datum** was NAD 83, GRS 1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713- 3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the City of Lincoln and Lancaster County Geographic Information Systems. This information includes transportation features, water features, political boundaries, and Public Land Survey System features.

The **profile baselines** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the **profile baseline**, in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

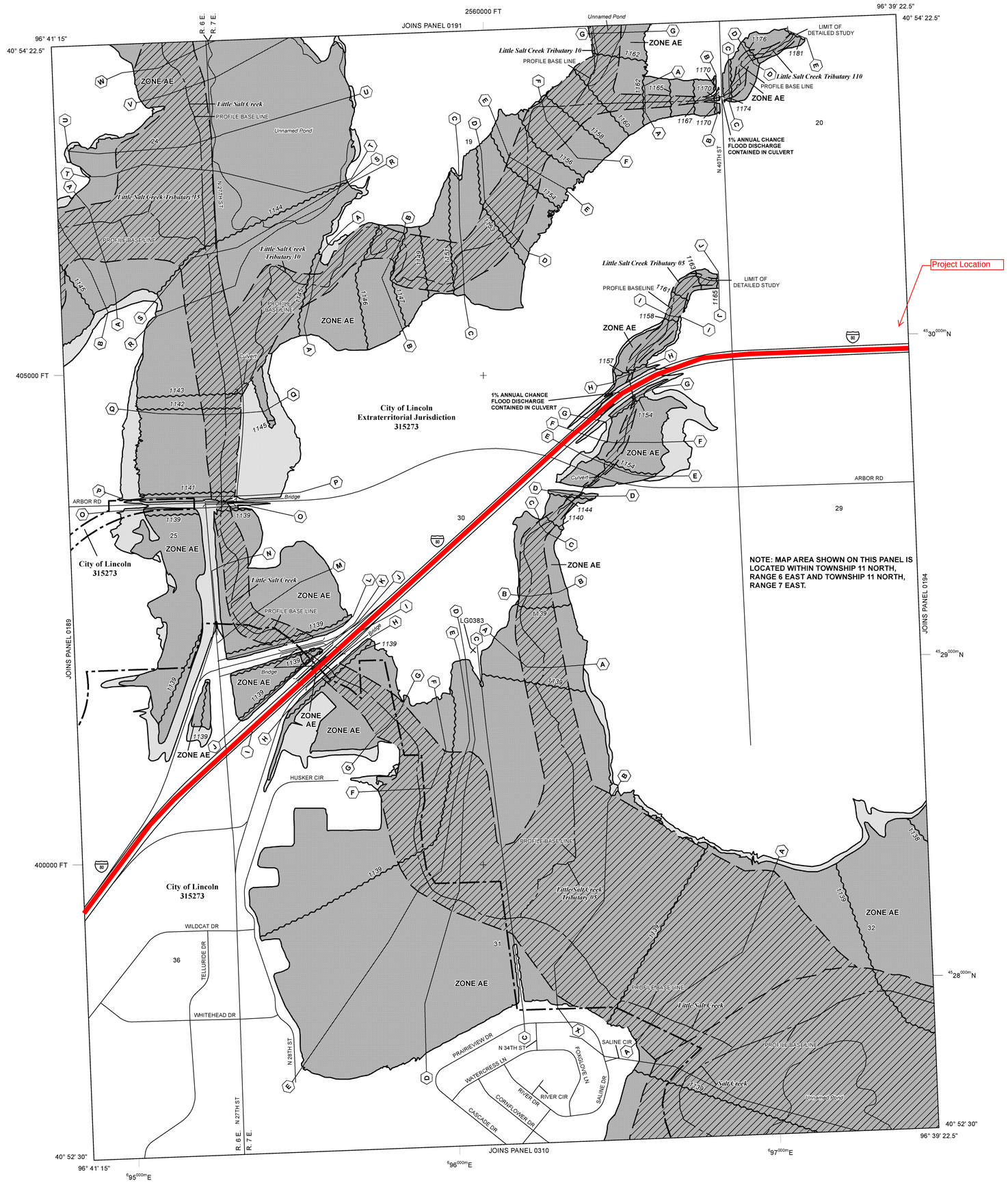
Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables for multiple streams in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on the map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information on available products associated with this FIRM visit the **Map Service Center (MSC)** website at http://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have **questions about this map,** how to order products, or the National Flood Insurance Program in general, please call the **FEMA Map Information eXchange (FMIX)** at **1-877-FEMA-MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

	1% Annual Chance Floodplain Boundary
	0.2% Annual Chance Floodplain Boundary
	Floodway boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.
513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the North American Vertical Datum of 1988

A — A	Cross section line
23 - - - - 23	Transect line
	Culvert
	Bridge
45° 02' 08", 93° 02' 12"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere
3100000 FT	5000-foot ticks: Nebraska State Plane Nebraska Zone (FIPS Zone 2600), Lambert Conformal Conic projection
$^{40}89^{000m}$ N	1000-meter Universal Transverse Mercator grid values, zone 14
DX5510 ×	Bench mark (see explanation in Notes to Users section of this FIRM panel)
• M1.5	River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
September 21, 2001

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
February 18, 2011 - to update corporate limits, to change Base Flood Elevations and Special Flood Hazard Areas, to update map format, to add roads and road names and and to incorporate previously issued Letters of Map Revision.
April 16, 2013 - to change Base Flood Elevations.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0193G

FIRM

FLOOD INSURANCE RATE MAP

LANCASTER COUNTY, NEBRASKA

AND INCORPORATED AREAS

PANEL 193 OF 625

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
LINCOLN, CITY OF	315273	0193	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
31109C0193G

MAP REVISED
APRIL 16, 2013

Federal Emergency Management Agency

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) Report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS Report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study Report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study Report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Nebraska State Plane Nebraska Zone (FIPS zone 2600). The **horizontal datum** was NAD 83, GRS 1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713- 3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the City of Lincoln and Lancaster County Geographic Information Systems. This information includes transportation features, water features, political boundaries, and Public Land Survey System features.

The **profile baselines** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the **profile baseline**, in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

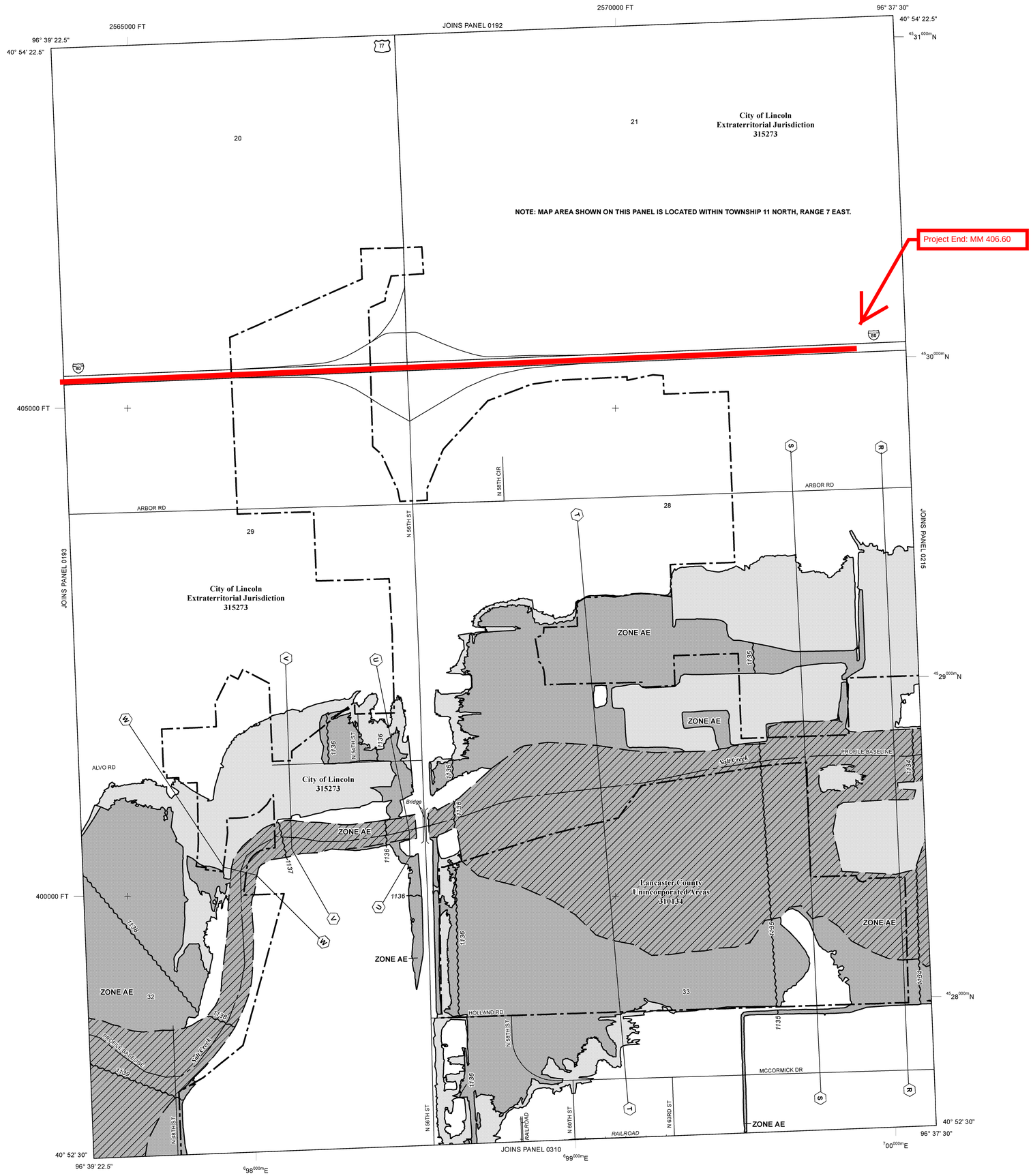
Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables for multiple streams in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on the map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information on available products associated with this FIRM visit the **Map Service Center (MSC)** website at http://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have **questions about this map,** how to order products, or the National Flood Insurance Program in general, please call the **FEMA Map Information eXchange (FMIX)** at **1-877-FEMA-MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

	1% Annual Chance Floodplain Boundary
	0.2% Annual Chance Floodplain Boundary
	Floodway boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.
513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the North American Vertical Datum of 1988

A — A	Cross section line
23 - - - - 23	Transect line
	Culvert
	Bridge
45° 02' 08", 93° 02' 12"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere
3100000 FT	5000-foot ticks: Nebraska State Plane Nebraska Zone (FIPS Zone 2600), Lambert Conformal Conic projection
4489 000m N	1000-meter Universal Transverse Mercator grid values, zone 14
DX5510 ×	Bench mark (see explanation in Notes to Users section of this FIRM panel)
• M1.5	River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
September 21, 2001

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
February 18, 2011 - to update corporate limits, to change Base Flood Elevations and Special Flood Hazard Areas, to update map format, to add roads and road names and and to incorporate previously issued Letters of Map Revision.
April 16, 2013 - to change Base Flood Elevations.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET
150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0194G

FIRM
FLOOD INSURANCE RATE MAP
LANCASTER COUNTY, NEBRASKA
AND INCORPORATED AREAS

PANEL 194 OF 625
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
LANCASTER COUNTY	310134	0194	G
LINCOLN, CITY OF	315273	0194	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
31109C0194G

MAP REVISED
APRIL 16, 2013

Federal Emergency Management Agency

Wetlands PQS Memorandum

DATE 6/4/2016

TO Carrie Wencel, NDOR EDU

FROM Patrick Sward, NDOR EPU

SUBJECT Wetlands PQS Memo
Project No: RD-80-9(101)
Control No: 13174
Project Name: I-180 to US-77

☐A wetland delineation was completed Click here to enter a date.
Or
☒A desktop review was completed on 10/10/2012

Are there wetlands, stream channels, or other waters within the study area?
☒ Yes ☐ No

Will the action result in wetland impacts in accordance with Section 404 of the Clean Water Act and/or Nebraska State Title 117?
☐ Yes ☒ No ☐ Not Applicable

If the project is processed with a Nationwide Permit, is a Pre-construction Notification required?
☐ Yes ☐ No ☒ Not Applicable

Describe resources, <u>potential</u> impacts and anticipated permit type (*Include estimated permanent wetland impacts (acres). If known, also provide estimated temporary wetland impacts (acres), estimated channel impacts (linear feet/acres), special wetland areas, cause of impacts, and any Nationwide Permit information.*): Based on a desktop review and on the current project scope as per the project description, impacts to wetlands and/or Waters of the US are not anticipated as a result of this NDOR roadway project. The project encompasses approximately 5.71-mi. of joint sealing. All wetlands within the project area are listed on Attachment 1 of the Environmental Commitment for the Contractor as avoidance areas.

Cowardin Class Impacted (*Select all that apply*)
☐ Palustrine ☐ Riverine ☐ Lacustrine ☒ Not Applicable

Describe any coordination conducted to date with officials/agencies (*Include: Any coordination with USACE*): No permitting nor coordination with the USACE is required for this roadway project.

Wetlands/Waters of the U.S. Mitigation
☐ On-Site/Permittee Responsible ☐ USACE Approved Mitigation Bank Site ☒ Not Applicable

Wetlands/Waters of the U.S. Commitments:

The Contractor shall not stage, store, waste or stockpile materials and equipment in undisturbed locations, or in known/potential wetlands and/or known/potential streams that exhibit a clear "bed and Bank" channel. Potential wetland areas consist of any area that is known to pond water, swampy areas or areas supporting known wetland vegetation or areas where there is a distinct difference in vegetation (at lower elevations) from the surrounding upland areas.

☐ All wetlands/waters within the project area that are not permitted for impacts will be marked on the 2W aerial sheets for the contractor as avoidance areas.

Select the following that apply:

☒ No wetland impacts are anticipated for this project; however, if impacts are found during design, the required permits shall be obtained prior to letting. NDOR Environmental shall reevaluate the project for the change in impacts. All wetlands within the project area shall be marked on the project plans or listed on Attachment 1 of the Environmental Commitment for the Contractor as avoidance areas. (NDOR Design, NDOR Environmental)

☐ The project qualifies under Nationwide Permit # Non-notifying Nationwide Permit Number. The contractor shall adhere to the permit conditions, including regional and general conditions, during construction. (Contractor)

☐ The project will require a Nationwide Permit for impacts to waters of the U.S. The permit shall be obtained prior to project letting. The contractor shall adhere to all permit conditions, including regional and general conditions, during construction. (NDOR Environmental, Contractor)

☐ The project will require a Title 117 Letter of Opinion for impacts to waters of the State. (NDOR Environmental, Contractor)

Project Description:

On-Base Project Description dated 4/29/2013, final update 5/5/2016.

This project will seal pavement joints on 5.71 miles of US Interstate Highway 80 (I-80) located in Lancaster County, starting 0.17 miles west of the I-180/US-34 Interchange at mile marker (MM) 400+89, and extending east to MM 406+60, 0.83 miles east of the US-77/L-55X Interchange.

The existing roadway on this segment of I-80 consists of six 12 foot wide asphalt lanes separated by a concrete median barrier. The inside and outside shoulders are 12 feet wide and surfaced the entire width with concrete.

Scope details include:

- Project surveying and staking will not be required.
- This project will be constructed under traffic with lane closures controlled by approved temporary traffic control.
- No additional property rights will be required to build this project.

Biological Assessment PQS Memorandum

DATE	6/7/2016
TO	Ryan Walkowiak & Carrie Wencel, NEPA Project Managers
Cc	Kimberly Baker & Pat Sward, EPU Project Managers
FROM	Melissa Marinovich, T&E Species Biologist
SUBJECT	W. Jct. US-77 to I-180; NH-80-9(102); CN 13114 I-180 to US-77; NH-80-9(101); CN 13174 Threatened & Endangered Species Concurrence

The biological assessment final approval on: **6/7/2016**

Date of Project Description used for this review: 10/24/11 & 4/29/13

Threatened and Endangered Species Effect Determination:

☒ The Project(s) will have "No Effect" to all state or federally listed species or their designated critical habitat (Level 1).

☐ A "May Affect, Not Likely to Adversely Affect" determination is made for the following species/critical habitat with the conservation conditions listed below:

- ☐ This BA required FHWA Review and Approval.

FHWA Concurrence Date:

- ☐ This BA required further consultation with the resource agencies (Level 2).

USFWS Concurrence Date:

NGPC Concurrence Date:

- ☐ Unique conservation conditions were developed and are included below (Level 3).

☐ A "May Affect, Likely to Adversely Affect" determination is made for the following species/critical habitat with the conservation conditions listed below: (Level 3).

Additional Coordination with Other Tribal or Federal Agencies:

Description of Coordination:

Bald and Golden Eagle Protection Act:

This project was reviewed for potential impacts to bald and golden eagles. NDOR believes the project site does not have appropriate habitat for eagles. Due to the lack of suitable habitat and information that there are no known bald or golden eagle nests within the project area, NDOR has determined that there will be no impact to these species.

Migratory Bird Treaty Act:

NDOR has developed an Avian Protection Plan (APP) to reduce conflicts between construction of NDOR projects and the laws governing migratory birds. This procedure is designed to protect and conserve avian populations and reduce avian conflicts through changes in project scheduling (i.e. tree clearing outside of primary nesting period), increased migratory bird surveys, and changes in project construction timelines. NDOR will utilize its APP to reduce conflicts with migratory birds on this project.

Fish and Wildlife Coordination Act:

A wetland determination has been completed for this project. Based on current project design, there will be no wetland or stream channel impacts on this project. This project will not require a Section 404 permit from the Corps of Engineers; therefore, coordination under FWCA is not required.

Conservation Conditions: *Responsible Party for conservation condition shown in parentheses.*

Listed below are the required Conservation Conditions that apply to this project. These measures are not subject to change without the prior written approval of the Federal Highway Administration. **Copy and paste the conditions listed below verbatim in the NEPA document, the Green Sheet, and in the contract documents:**

A-1 **Changes in Project Scope**. If there is a change in the project scope, the project limits, or environmental commitments, the NDOR Environmental Section must be contacted to evaluate potential impacts prior to implementation. Environmental commitments are not subject to change without prior written approval from the Federal Highway Administration. *(District Construction, Contractor)*

A-2 **Conservation Conditions**. Conservation conditions are to be fully implemented within the project boundaries as shown on the plans. *(District Construction, Contractor)*

A-3 **Early Construction Starts**. Request for early construction starts must be coordinated by the Project Construction Engineer with NDOR Environmental for approval of early start to ensure avoidance of listed species sensitive lifecycle timeframes. Work in these timeframes will require approval from the Federal Highway Administration and could require consultation with the USFWS and NGPC. *(District Construction, Contractor)*

A-4 **E&T Species**. If federal or state listed species are observed during construction, contact NDOR Environmental. Contact NDOR Environmental for a reference of federal and state listed species. *(NDOR Environmental, District Construction, Contractor)*

A-5 **Refueling**. Refueling will be conducted outside of those sensitive areas identified on the plans, in the contract, and/or marked in the field. *(Contractor)*

A-6 **Restricted Activities**. The following project activities shall, to the extent possible, be restricted to between the beginning and ending points (stationing, reference posts, mile markers, and/or section-township-range references) of the project, within the right-of-way designated on the project plans:

borrow sites, burn sites, construction debris waste disposal areas, concrete and asphalt plants, haul roads, stockpiling areas, staging areas, and material storage sites.

For activities outside the project limits, the contractor should refer to the Nebraska Game and Park Commission website to determine which species ranges occur within the off-site area. The contractor should plan accordingly for any species surveys that may be required to approve the use of a borrow site, or other off-site activities. The contractor should review Chapter 11 of the Matrix (on NDOR's website), where species survey protocol can be found, to estimate the level of effort and timing requirements for surveys.

Any project related activities that occur outside of the project limits must be environmentally cleared/permitted with the Nebraska Game and Parks Commission as well as any other appropriate agencies by the contractor and those clearances/permits submitted to the District Construction Project Manager prior to the start of the above listed project activities. The contractor shall submit information such as an aerial photo showing the proposed activity site, a soil survey map with the location of the site, a plan-sheet or drawing showing the location and dimensions of the activity site, a minimum of 4 different ground photos showing the existing conditions at the proposed activity site, depth to ground water and depth of pit, and the "Platte River depletion status" of the site. The District Construction Project Manager will notify NDOR Environmental which will coordinate with FHWA for acceptance if needed. The contractor must receive notice of acceptance from NDOR, prior to starting the above listed project activities. These project activities cannot adversely affect state and/or federally listed species or designated critical habitat. (NDOR Environmental, District Construction, Contractor).

A-7 **Waste/Debris**. Construction waste/debris will be disposed of in areas or a manner which will not adversely affect state and/or federally listed species and/or designated critical habitat. *(Contractor)*

A-8 **Post Construction Erosion Control.** Erosion control activities that may take place by NDOR Maintenance or Contractors after construction is complete, but prior to project close-out, shall adhere to any standard conservation conditions for species designated for the project area during construction. (NDOR Maintenance, District Construction, Contractor)

S-2 **Platte River Depletions**. All efforts will be made to design the project and select borrow sites to prevent depletions to the Platte River. If there is any potential to create a depletion, NDOR (during design) and the contractor (for borrow sites) shall follow the current Platte River depletion protocols for coordination, minimization, and mitigation. In general the following are considered de minimis depletions, but may still require agency coordination; a project which: a) creates an annual depletion less than 0.1 acre feet, b) creates a detention basin that detains water for less than 72 hours, c) any diverted water will be returned to its natural basin within 30 days, or d) creates a one-time depletion of less than 10 acre feet.

NDOR PQS Project Review Memo
Section 106 - Tier I Project
No Potential to Cause Effects to Historic Properties

Control Number 13174 Project Number RD-80-9(101) Review Date 06/07/16

Project Name I-180 – US-77 Project Location Lancaster County

Date of Project Description Reviewed 05/05/16 ☑ Project Description Attached ☑ Tier I Project

THPO/Tribal Consultation? ☑ No ☐ Yes

THPO/Tribes(s):

Date Correspondence Sent:

THPO/Tribal response date:

THPO/Tribal comment:

CLG Consultation? ☐ No ☑ Yes

CLG: Lincoln

Date Correspondence Sent: 06/07/16

CLG response date: 6/7/16

CLG comment:

Please Note: For the criteria below to be valid, any an all ground disturbance would be limited to the depth of the existing fill material. Ground disturbance would not exceed the depth of the existing fill material.

Check all that apply:

☐ 1. Guardrail and bridge rail repair and replacement. Conditions: In kind repair/replacement.

☐ 2. Traffic Signals, intersection lighting, pedestrian signals, underpass lighting, or railroad lighting within existing right-of-way. Conditions: In kind repair/replacement.

☐ 3. Maintenance and replacement of highway signs on existing poles, new sign installation within existing fill material.

☑ 4. Crack sealing, pothole repair, overlaying, milling, resurfacing, installation of rumble strips, and pavement marking. Conditions: This activity does not include actions on brick streets or brick highways. The maintenance or rehabilitation is limited to the existing surfaced areas with only minimal surface expansion, is the same as the existing vertical and horizontal alignments of the roadway, no ditching or drainage work is included. All staging areas can be limited to existing paved or previously disturbed surfaces only (eg. surfaces with little to no vegetation due to previous disturbance). Any and all ground disturbance is limited to existing fill material and will not exceed the depth of the existing fill material.

☐ 5. Repair/Maintenance of right-of-way fencing, limited to repair/replacing fence wire and fence posts only on existing fence post locations. Condition: If any grading is required for access or installation of fencing, this authority does not apply.

☐ 6. Improving existing bicycle and pedistrian lanes and paths on their existing alignments. Conditions: Any and all ground disturbance is limited to existing fill material locations only, not to exceed the depth of the fill material.

☐ 7. Acquisition of scenic easements.

☐ 8. Approvals for disposal of excess right-of-way or for joint or limited use of the right-of-way for right-of-way previoulsy purchased with federal funds, provided no properties over 50 years old are located on within the property.

☐ 9. Acquisition of land for hardship or protective purposes. Hardship and protective buying will be permitted only for a particular parcel or a limited number of parcels, as long as those parcels do not contain properties over 50 years old.

☐ 10. Improvements to existing maintenance facilities, rest areas (excludine I-80 rest areas), and truck weigh stations less than 50 years old. Condition: Any and all ground disturbance is limited to existing fill material locations only, not to exceed the depth of the existing fill material.

☐ 11. Repair/Replacement of at-grade railroad crossing gates, lights, signs, and the rail crossing driving surface. Condition: work is limited to in kind replacement/repair with any and all ground disturbance limited to existing fill material locations only, not to exceed the depth of the existing fill material.

☐ 12. Grants for training, education and research programs which do not involve construction.

☐ 13. Purchase of equipment or materials which do not involve construction.

☐ 14. Visual Bridge Inspections.

Stacy L. Stupka

Digitally signed by Stacy L. Stupka
DN: cn=Stacy L. Stupka, o=NDOR Environmental, ou=Section 106 Specialist, email=stacy.stupka-burda@nebraska.gov, c=US
Date: 2016.06.07 13:13:51 -05'00'

NDOR PQS Review

Edward F. Zimmer

Digitally signed by Edward F. Zimmer
DN: cn=Edward F. Zimmer, o=City of Lincoln, ou=Lincoln/Lancaster County Planning Dept., email=ezimmer@lincoln.ne.gov, c=US
Date: 2016.06.07 13:08:17 -05'00'

Concurrence, Certified Local Government

Nebraska Department of Roads

Project Description

Project Name: I-180 – US-77
Project No: RD-80-9(101)
Control No: 13174
Date of Last Revision: 05/05/16

This project would seal joints on 5.71 miles of I-80 located in Lancaster County, starting 0.17 miles west of the I-180/US-34 Interchange at mile marker (MM) 400.89, and extending east to MM 406.60, 0.83 miles east of the US-77/L-55X Interchange.

The existing roadway on this segment of I-80 consists of six 12 foot wide asphalt lanes separated by a concrete median barrier. The inside and outside shoulders are 12 feet wide and surfaced the entire width with concrete.

Scope details include:

- Project surveying and staking would not be required
- This project would be constructed under traffic with lane closures controlled by approved temporary traffic control.
- No additional property rights would be required to build this project.

Nebraska Department of Roads

Planning and Project Development

Hazardous Materials Memorandum

Date: June 8, 2016

To: Carrie Wencel

From: Will Packard, Highway Environmental Specialist, Planning and Project Development

Subject: Hazardous Materials Review Exemption Memo for the NDOR project I-180 to US-77 (C.N. 13174).

NDOR has reviewed the project description for the I-180 to US-77 project to determine if a Hazardous Materials Review (HMR) is warranted. The scope of work consists of sealing joints along I-80 in Lancaster County. Due to the lack of soil disturbance and work occurring within the pre-existing roadway fill material this project qualifies as an exempt project under the NDOR Hazardous Materials Review Guidance Manual approved by FHWA on August 31, 2015. No hazardous materials review is required. If the scope of work changes, the project would be re-evaluated to determine the need for a HMR.

Although no HMR is required, the contractor shall adhere to the following commitment for encountering unexpected waste during construction:

If contaminated soils and/or water or hazardous materials are encountered, then all work within the immediate area of the discovered hazardous material shall stop until NDOR/FHWA is notified and a plan to dispose of the Hazardous Materials has been developed. Then NDEQ shall be consulted and a remediation plan shall be developed for this project. The potential exists to have contaminants present resulting from minor spillage during fueling and service associated with construction equipment. Should contamination be found on the project during construction, the NDEQ shall be contacted for consultation and appropriate actions to be taken. The Contractor is required by NDOR's Standard Specification section 107 (legal relations and responsibilities to the public) to handle and dispose of contaminated material in accordance with applicable laws (NDOR District, Contractor).

Will Packard — 5/18/16

Name — Date

Will Packard, Highway Environmental Specialist
Planning and Project Development
NDOR

Probable Class of NEPA Action Form

**Attach the DR 530 for an LPA project, DR-73 for a State project, and an aerial location map of the project which includes project start and end points.*

Date this DR-53 was Completed:	Control Number: *(NDOR Completes)*	Project No.: *(NDOR Completes)*
4/22/16	13174	NH-80-9(101)

Project Name:
I-180 - US-77

☐ LPA Project ☒ State Project

Local Public Agency or NDOR District and County Project Located In:
District 1: Lancaster County, NE.

Answer the following questions: (*See Instructions*)	**Yes**	**No**
1. Would the project construct a new roadway on a new location?	☐	☒
a. If yes, would the new roadway have 4 or more lanes?	☐	☐
2. Would the project create a new access controlled freeway facility?	☐	☒
3. Would the project include a new interchange?	☐	☒
4. Is it likely the project would disturb any ground outside the existing paved roadway surface?	☐	☒
5. Is it likely the project would add capacity *(adding thru lanes to a road, fly-by lane, passing lane, auxiliary or turn lane that is > or = 1 mile in length)* to an existing roadway?	☐	☒
6. Is it likely the project would close a road, bridge, or access for more than 3 consecutive days?	☐	☒
7. Is it likely the project would disturb natural ground *(soil)* below or beyond existing fill material?	☐	☒
8. Is it likely the project would require the acquisition of right-of-way *(ROW)*, including permanent easements and/or temporary construction easements?	☐	☒
a. If yes, is it likely more than 1.5 acres per linear mile of ROW or easements would be needed?	☐	☐
b. If yes, is it likely farmland would be purchased?	☐	☐
c. Is it likely the project would require homes, businesses, or farms to be relocated?	☐	☐
9. Is it likely the project would change access control rights to an existing roadway?	☐	☒
10. Is there known public opposition or controversy related to this project or is it anticipated?	☐	☒
11. Is additional outreach proposed beyond the program hearing/meeting?	☐	☒
12. Are there any Section 4(f) properties *(including: publicly owned parkland, trail, wildlife refuge, or known historic properties)* present along or within 0.25 mile of the project?	☒	☐
a. If yes, is it likely the project would impact a Section 4(f) property?	☐	☒
13. Based on past experiences or to your knowledge, is the project adjacent to structures that are 50 years old or older, or are there any known historic structures in the project area?	☐	☒
14. Would the project affect an eligible historic bridge?	☐	☒
15. Based on past experiences or to the best of your knowledge, are there any State or Federally listed Threatened or Endangered Species or critical habitat within the project area?	☒	☐
16. Are any of the following water bodies located within the project limits? ☒ Creek or Stream Channel ☐ Lake ☐ River ☐ Drainage Ditch ☐ N/A		
a. If any water bodies are in the project limits, then how often is water present in them? ☐ Always present ☐ Sometimes present ☐ Rarely present ☐ N/A		
b. Is it likely the project would impact any of the following? *(Check all that apply)* ☐ Creek or Stream Channel ☐ Lake ☐ River ☐ Drainage Ditch ☒ N/A		

17. To your knowledge, do any of the following exist within or adjacent to the project limits? *(Check all that apply)*

- ☐ Above or below ground storage tanks
- ☐ Past chemical spills or releases
- ☐ Operational and/or closed dump or landfill
- ☐ Industrial or commercial areas
- ☒ None known

18. Do any of the following statements describe areas within the project limits? *(Check all that apply)*

- ☐ There is standing water in the project area.
- ☐ There area areas that hold water longer after it rains and/or do not drain well.
- ☐ There are areas that appear to be soggy or swampy.
- ☐ There are known wetlands in the project area.
- ☐ Wetland plants are located in the project area *(e.g., cattails, reed-canary grass)*

a. If any boxes were checked in 18 above, is it likely any of those areas would be impacted by project construction? ☐ Yes ☐ No

19. I have attached an aerial location map to this form which shows the project location and contains enough detail for someone from the public to find the project site. ☒ Yes

Please add any additional comments to support the information in this form. *(*Include any public involvement that has occurred.)*

Document Preparer's Signature:

I certify the information in this form accurately reflects what I know about this project at this time.

Carrie Wencel		4.22.2016
(Print Name)	*(Signature)*	*(Date)*

NDOR- Highway Environmental / NEPA Specialist

(Organization and Title)

402-479-4836	carrie.wencel@nebraska.gov
(Phone – include Area Code)	*(Email)*

The following is for NDOR Use Only

*Environmental Justice/Title VI/*LEP

Civil Rights Staff completes the following:

Does the study area contain high concentrations of low-income or minority populations when compared to the area surrounding the study area and/or the city/county as a whole? ☐ Yes ☒ No

Does 5% or greater, or 1,000 persons or greater, or the affected population primarily speak a language other than English and also speak English "less than very well"? ☐ Yes ☒ No

If yes to any of the questions above, please describe what kind of analysis is recommended for the project based on the project scope and project description. ☐ Yes ☐ No

Chris Hassler — Hwy Civil Rights Coordinator — 5/11/2016
(Print Name) (Signature and Title) (Date)

Civil Rights Staff Comments: *(Early Guidance for the Project Proponent)*

Noise and Air Study

Noise & Air Section completes the following:

Is a noise analysis warranted* *(Type I Project)*? ☐ Yes ☒ No

Is an air analysis warranted? ☐ Yes ☒ No

MSAT Analysis Level (Check one) ☒ 1 ☐ 2 ☐ 3

If yes, please identify the type(s) of analysis required.

* Note to Project Sponsor: If the vertical or horizontal alignment is changed, or if the design capacity is modified after DR-53 approval, reconsult with the Noise and Air staff.

Will Packard — Hwy Env. Specialist — 5/12/16
(Print Name) (Signature and Title) (Date)

Noise and Air Staff Comments: *(Early Guidance for the Project Proponent)*

Public Involvement

Public Involvement Coordinator completes the following:

Based on the NDOR PIP, the DR-53 Guidelines, or characteristics of the project scope, location or community, is additional outreach required beyond the project's program meeting or what is proposed? ☐ Yes ☒ No

If yes, what type of additional public involvement is recommended:

☐ Public Involvement Campaigns *(i.e., targeted mailings, new release, etc.)*
☐ Public Meeting
☐ Other

Sarah Kugler — Pub. Inv. Mgr — 5/12/2016
(Print Name) (Signature and Title) (Date)

Public Involvement Coordinator Comments: *(Early Guidance for the Project Proponent)*

Probable Class of NEPA Action

NDOR Environmental Section completes the following:

NDOR has reviewed this form and recommends the following Probable Class of NEPA Action for this project:

- [x] Programmatic Categorical Exclusion or Categorical Exclusion
- [ ] Environmental Assessment
- [ ] Environmental Impact Statement

Caroline Sezjerski — NDOR NEPA HWY ENV. BIO. — 6/2/16

(Print Name) *(Signature and Title)* *(Date)*

NDOR Comments: *(Early Guidance for the Project Proponent)*
The project is adjacent to Salt Creek Tiger Beetle and Saltwort listed species.

FHWA Concurrence on NDOR's Recommended Probable Class of NEPA Action for this project:

(Print Name) *(Signature and Title)* *(Date)*

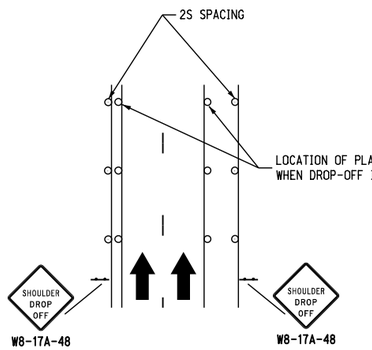
FHWA concurrence is based on the information known at the time of coordination. This is the probable class of NEPA action and is subject to change as the proposed project progresses and more information is learned about the project, surrounding area, and impacted resources.

FHWA Comments: *(Early Guidance for the Project Proponent)*

PROJECT NO.	SHEET NO.

C.N.

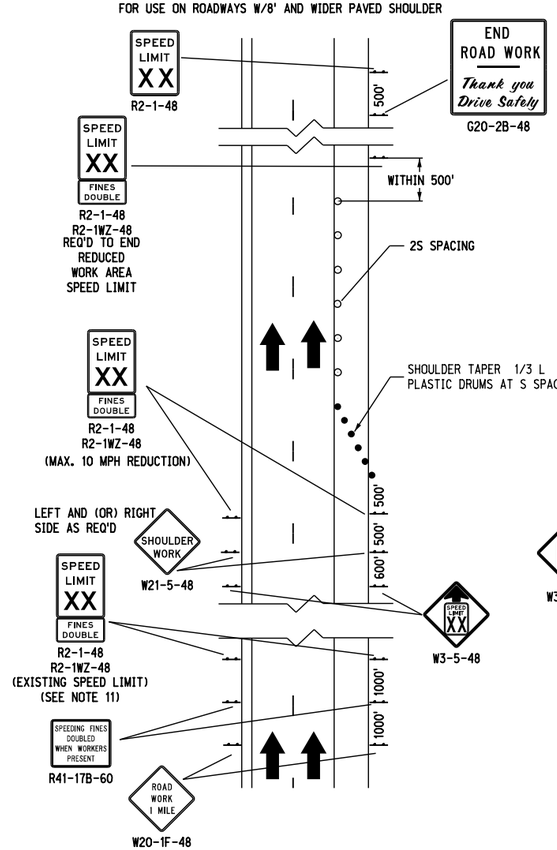
SHOULDER DROP-OFF



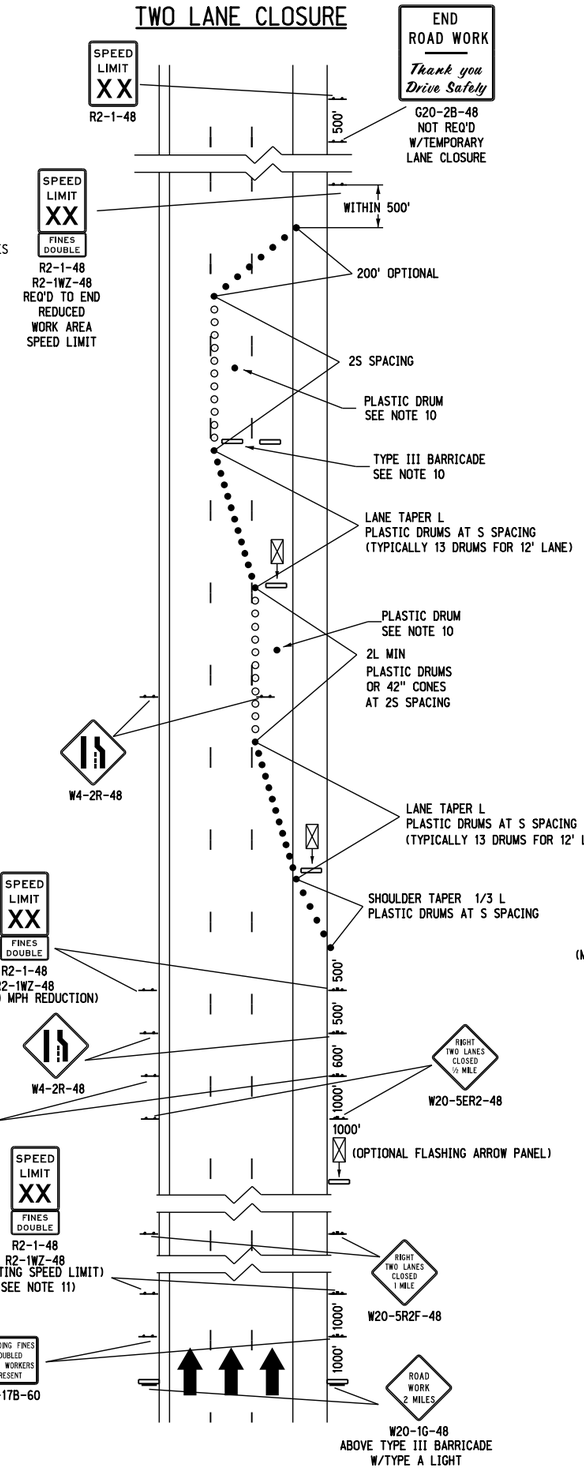
W8-17A-48 EVERY MILE WHERE THERE IS A DROP-OFF AT LEFT AND (OR) RIGHT PAVEMENT EDGE

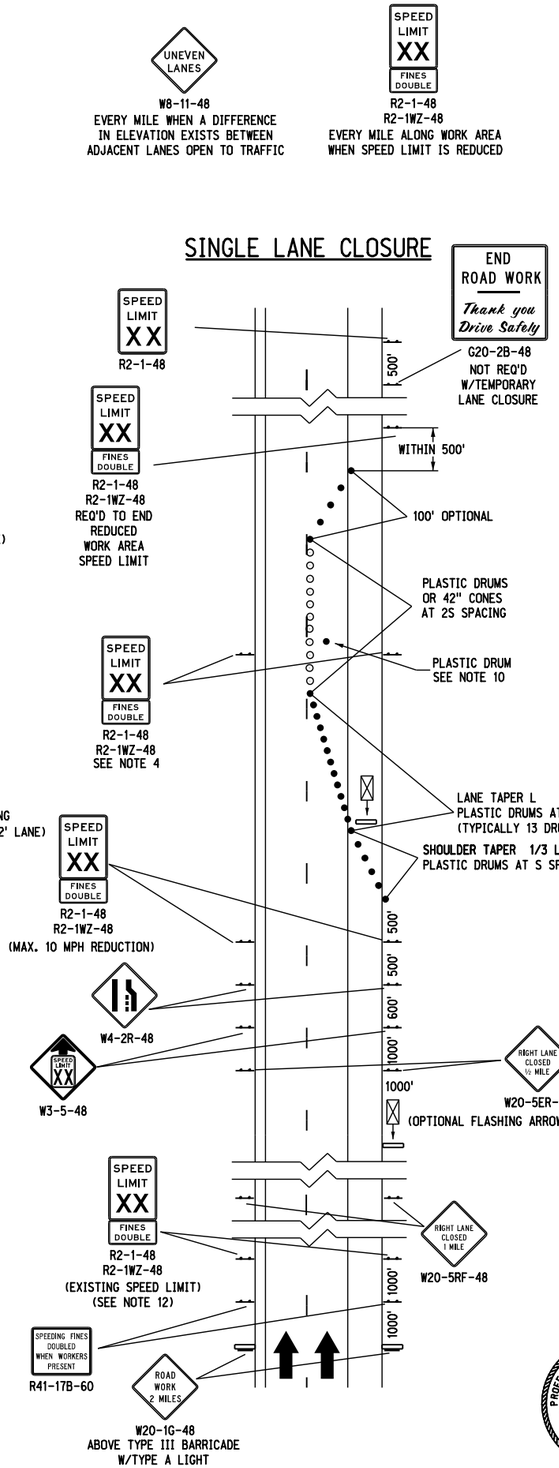
SHOULDER CLOSURE

FOR USE ON ROADWAYS W/8' AND WIDER PAVED SHOULDER



TWO LANE CLOSURE





NOTES

1. FLAGGERS SHALL BE PROVIDED WHENEVER THE CONTRACTORS OPERATION ENCROACHES ON THE OPEN LANE.
2. REVERSE PROCEDURE FOR LEFT LANE CLOSURE.
3. WORK ZONE SPEED LIMITS SHALL NOT BE INSTALLED W/O A SPEED ZONE AUTHORIZATION COMPLETED BY THE DEPARTMENT. REDUCED SPEED ZONING SHOULD BE KEPT TO A MINIMUM AS MUCH AS PRACTICABLE. WHEN USED THE SPEED SHALL NOT BE REDUCED MORE THAN 10 MPH FROM THE PRE-CONSTRUCTION SPEED LIMIT, UNLESS APPROVED BY THE TRAFFIC ENGINEER.
4. SPEED LIMIT SIGNS R2-1 SHALL BE 48" X 60" WHEN USED ON INTERSTATES OR FREEWAYS. 30" X 36" SIGNS MAY BE USED ON ALL OTHER ROADWAYS. SPEED LIMIT SIGNS (IF REQ'D FOR WORK) SHALL BE INSTALLED EVERY MILE THRU THE WORK AREA, WHEN THE SPEED LIMIT IS REDUCED.
5. THE FLASHING ARROW PANELS FOR TAPERS SHOULD BE VISIBLE FOR AT LEAST 1/2 MILE AND, IF NECESSARY, SHOULD BE RELOCATED TO PROVIDE THE MAXIMUM VISIBILITY.
6. FOR FOG SEALS, SLURRY SEALS, ARMOR COATS, CRACK AND JOINT SEALING WHERE ALL LANES OF TRAFFIC WILL BE REOPENED BEFORE NIGHT, THE CONTRACTOR MAY USE 36" OR 42" CONES IN PLACE OF PLASTIC DRUMS ALONG THE WORK AREA. WHEN USED 36" CONES SHALL BE CONSIDERED SUBSIDIARY TO THE WORK.
7. PLASTIC DRUMS SHALL BE REQUIRED TO BE PLACED IN FRONT OF LANE EXCAVATIONS IN PAVEMENT AND SLAB REPAIR, AND OTHER WORK ACTIVITIES AS DIRECTED BY THE ENGINEER. PLASTIC DRUMS SHALL BE REQUIRED FOR ALL TAPERS AND LANE SHIFTS.
8. ALL CONFLICTING PAVEMENT MARKINGS ARE REQ'D TO BE REMOVED IF THE LANE CLOSURE IS TO REMAIN IN PLACE LONGER THAN 72 HOURS.
9. BRIDGE WORK OR OTHER APPROPRIATE ADVANCE SIGN MAY BE USED IN PLACE OF ROAD WORK.
10. PLACE A PLASTIC DRUM OR TYPE III BARRICADE AS DIRECTED BY THE ENGINEER IN THE CENTER OF THE CLOSED LANE(S) APPROXIMATELY EVERY 1/4 MILE.
11. THE SPEED LIMIT SIGN SHOWN FOLLOWING THE "FINES FOR SPEEDING DOUBLED IN WORK ZONES WHEN WORKERS PRESENT" SIGN IS NOT REQUIRED IF A "REDUCED SPEED AHEAD" OR OTHER SPEED LIMIT SIGN IS LOCATED WITHIN 1/2 MILE.
12. SIGNS W20-5E, W20-5RF AND W20-1G MAY BE REDUCED TO 1500 FT, 1/2 MILE AND 1 MILE SPACING RESPECTIVELY IN LOW VOLUME AREA AT THE DIRECTION OF THE ENGINEER.

LEGEND

- FLASHING ARROW PANEL
- TYPE III BARRICADE
- REFLECTORIZED PLASTIC DRUM
- REFLECTORIZED PLASTIC DRUM OR 42" REFLECTORIZED CONE
- SINGLE POST SIGN
- DOUBLE POST SIGN

TAPER FORMULA

$L = S \times W$ FOR SPEEDS OF 45 MPH OR MORE.

$L = \frac{WS^2}{60}$ FOR SPEEDS OF 40 MPH OR LESS.

WHERE:

L = MINIMUM LENGTH OF TAPER.

S = NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK.

W = WIDTH OF OFFSET (LANE WIDTH).

PROFESSIONAL CIVIL ENGINEER
KEVIN L. WRAY
E-11027
STATE OF NEBRASKA

NEBRASKA DEPARTMENT OF ROADS
TRAFFIC ENGINEERING DIVISION

TYPICAL TRAFFIC CONTROL PLAN

DESIGNED	TJF	LANE CLOSURE PLAN FOR MULTILANE ROADWAYS	1/2
REVIEWED			
APPROVED	DATE DRAWN 05/13	TRAFFIC ENGINEER	DATE

Computer: DRTRAFFIC20
User: dor32291
Date: 03-MAY-2016 08:13
File: wz394-3 r5.dgn
Scale: 1:209.091

Pete Ricketts
Governor

STATE OF NEBRASKA
DEPARTMENT OF ROADS
Kyle Schneweis, P.E., *Director*
1500 Highway 2 • PO Box 94759 • Lincoln NE 68509-4759
Phone (402) 471-4567 • FAX (402) 479-4325 • www.roads.nebraska.gov

06/10/2016

Bob McNally
Lincoln Airport Authority
P.O. BOX 80407
Lincoln, NE 68501

Re: Project No. NH-80-9(101)
Also Known As: I-180 to US-77
Control No. 13174

Dear Mr. McNally:

The Nebraska Department of Roads (NDOR) is proposing a project along Interstate 80 (I-80) at mile marker 400.89 to mile marker 406.58 in Lancaster County. The airport located on your property is approximately 1.25 miles west of the proposed project.

The construction would involve concrete joint sealing and concrete crack sealing the roadway, ramps, and loops. The proposed project would be constructed under traffic; no detour will be required, with an approved traffic plan for lane closures during construction. The proposed project will take approximately 55 working days.

Please feel free to contact me with any questions or concerns regarding this project.

NDOR understands that roadway construction may cause temporary inconvenience and hardships, but we are dedicated to improving Nebraska's highway system. With your help, we can achieve this goal.

Sincerely,

Matthew Bouwens
Highway Materials Test Tech 3
Nebraska Department of Roads
Materials & Research Division
(402)479-4600
Matthew.Bouwens@nebraska.gov