

No State Route

Project Development Report (PDR)

BLR 22211

Kane County Division of Transportation

Section: 19-00524-00-SP

FAU Route 1119

Plank Road

Engel Road to Waughon Road

Final

March 2022

No State Route



Illinois Department
of Transportation

Local Project Development Report
for Group Categorical I Exclusions
and Design Approval

County: Kane
Local Public Agency: Kane County Division of Transportation
Section Number: 19-00524-00-SP
Route: Plank Road (FAU Route 1119)

Project Number: LU9J(551)Constr. Project Length: 1.02 miles

Street/Road Name: Plank Road (County Highway 38)

Termini: Engel Road to Waughon Road

- ☐ For Township or Road District bridge projects: The County Engineer certifies that the project design speed exceeds the minimum design speed recommended for this classification of roadway as provided in the BLRS Manual in order to prevent a deficient NBIS rating for approach roadway alignment appraisal. All elements have been designed to the chosen design speed unless noted otherwise in Section 2(e) and/or the attached BLR 22120.

County Engineer

Date

- ☒ Categorical Exclusion and Design Approval Recommended



Local Agency

March 25, 2022
Date

Categorical Exclusion Statement

This project will not have any significant impacts on the environment, or involve any unusual circumstances, therefore, it is a Categorical Exclusion I.

- ☒ Categorical Exclusion and Design Approval



Regional Engineer

4/4/2022
Date

1. Location and Existing Conditions

a. **Location** (attach location map to supplement narrative description)

The proposed project is located on Plank Road (FAU Route 1119) from Engel Road to Waughon Road in the Village of Burlington and Burlington Township. The project is located in northwest Kane County. Plank Road is an east-west roadway, beginning at Illinois Route 23 in the City of Sycamore, DeKalb County and ending at US Route 20 in the City of Elgin, Kane County. Within project limits, Plank Road is designated as County Highway 38. A project location map is included in **Exhibit 1**.

b. **Description of Existing Facility** - Give narrative description, including such items as width of travel, parking and turn lanes, sidewalks, alignment, traffic control devices, utilities, jurisdiction, maintenance responsibility, drainage, terrain and current land use (including major public facilities and local landmarks). Attach existing typical sections showing roadway widths, bridge widths, ROW widths, sidewalk widths, guardrail, curb and gutter and surface types.

Plank Road: Plank Road is an east-west minor arterial with Average Daily Traffic (ADT) of 8,200 vehicles per day within the study area. Plank Road is an asphalt two-lane roadway with one 11-foot westbound lane and one 11-foot eastbound lane. Plank Road has 2-foot shoulders (1-foot paved and 1-foot aggregate) on both sides. The total paved width is 24 feet. The total right-of-way (ROW) width is 66 feet. Plank Road is under the jurisdiction and maintenance of Kane County.

There are no pedestrian or bicycle accommodations along Plank Road. Utility poles and overhead lines are present along the south side of Plank Road throughout the project limits. There is an at-grade rail crossing along Plank Road approximately 500 feet east of Waughon Road and outside of the project limits. The posted speed limit on Plank Road is 55 miles per hour (mph) in the project area. Plank Road is not a posted truck route. Within the project limits, the terrain is level. Existing typical sections for Plank Road are included in **Exhibit 2**.

Land use fronting Plank Road is primarily agricultural and some residential. Plank Road intersects Engel Road, Lawrence Road, and Waughon Road within the project limits. These intersections are stop-controlled on the minor-leg. There are no auxiliary turn lanes or channelization existing within project limits. There are four (4) paved driveways intersecting Plank Road in the study area, in addition to multiple unpaved driveways, which are assumed to be used by agricultural service vehicles. Drainage is provided via ditches on both sides of the roadway, which captures storm water runoff. Drain tiles are also present along the corridor and that cross Plank Road to assist drainage. There is no on-street parking on Plank Road. There are isolated street luminaires on utility poles at the intersections of Engel Road, Lawrence Road, and Waughon Road.

Engel Road: Engel Road is a north-south local road under the jurisdiction of the Village of Burlington with an ADT of 225 vehicles per day in the study area. Engel Road's southern terminus is at a three-legged intersection with Plank Road where Engel Road is stop-controlled. Engel Road consists of one lane in each direction.

Lawrence Road: Lawrence Road is a north-south local road under the jurisdiction of the Village of Burlington. Lawrence Road's northern terminus is at a three-legged stop-controlled intersection with Plank Road where Lawrence Road is stop-controlled. Lawrence Road consists of one lane in each direction.

Waughon Road: Waughon Road is a north-south local road under the jurisdiction of the Village of Burlington with an ADT of 250 vehicles per day. Waughon Road's northern terminus is at a three-legged intersection with Plank Road where Waughon Road is stop-controlled. Waughon Road consists of one lane in each direction.

The existing roadway consists of a rural cross-section with ditches on either side of the roadway for drainage. There are several locations where there is no defined drainage ditch on either side of the roadway. In these cases, drainage exits the right-of-way as sheet flow. There are eight (8) existing outlets along the project corridor. On the north side of the road, there are five (5) outlets. The remaining three (3) outlets are located along the southern right-of-way. The existing land to the north and south of the project corridor is drained by a series of drain tiles. There are four (4) locations within the project corridor where the drain tile crosses the roadway. In addition to the drain tile crossings, there are three culvert crossings located within the corridor. The project is not located within a regulatory floodway or special flood hazard area.

The Kane County Division of Transportation was contacted regarding past flooding incidents or drainage issues within the project limits. No history of flooding or drainage issues has been reported within the project corridor.

See utility coordination in **Appendix IV**.

c. **Traffic Data**

Current ADT: 8,200 (Plank Road) % trucks: 7

Will 80,000 trucks be legally permitted on this route? ☐ Yes ☒ No

Design Year: 2024 ADT: 8,200 DHV: 660 % trucks: 7

- d. **Structures** - Identify location within the proposed improvement of all structures on attached location map. Attach a copy of the Structure Master Report for all structures within the project limits. Attach a copy of the Bridge Condition Report or the Bridge Deck Resurfacing approval letter for structures to be replaced, rehabilitated, or resurfaced.

N/A

- e. **Railroads** - Identify location of all railroad crossings on attached location map and complete the following:

Railroad Name	No. and Type of Tracks (Main or Switching)	Type of Warning Devices*	No. of Trains Per Day	Railroad Width of Crossing at Rt. Angles
N/A	N/A	N/A	N/A	0

*Include a sketch showing location of railroad protective devices from the edge of roadway and to the nearest track.

- f. **Contiguous Sections** - Describe the existing typical sections at each end of the proposed improvement including number of travel lanes, turning lanes and parking lanes, lane widths and roadway width (f-f of curbs or e-e of shoulders), and sidewalk width.

Plank Road has a 24-foot paved section with one 11-foot eastbound lane and one 11-foot westbound lane with 2-foot shoulders (1-foot paved and 1-foot aggregate) on both sides of the roadway. Drainage ditches are present on both sides of the roadway. There are no parking lanes, turn lanes, or sidewalks within the contiguous sections.

2. **Proposed Improvement**

- a. Discuss the purpose and need of the project:

The purpose of the project is to improve safety for vehicles using Plank Road by reducing the risk of roadway departures. The crash analysis indicated predominant crash types of fixed object and rear end crashes. A substantial portion of the accidents involved roadway departures. The improvements are needed to reduce the potential for fixed object and rear end crashes.

- b. What design guidelines will be used for the proposed improvement? (Check One)

- ☐ Rural (BLRS Manual Chapter 32)
☐ Urban (BLRS Manual Chapter 32)
☐ Suburban (BLRS Manual Chapter 32)
☒ 3R Guidelines (BLRS Manual Chapter 33)
☐ Bicycle Guidelines (BLRS Manual Chapter 42)
☐ Pedestrian Guidelines
☐ Other:

Functional Classification: ☒ Arterial ☐ Collector ☐ Local Road ☐ Other _____

Terrain: ☒ Level ☐ Rolling

Regulatory or Posted Speed Limit – Plank Road: 55 mph Design Speed: 55 mph

- c. Describe type of work to be accomplished by the improvement. Discussion should include width of proposed travel, parking, bicycle and turning lanes, sidewalks, shared-use paths, guardrail, traffic control devices, drainage items (including storm sewer outfalls), alignment changes, railroad work, utility adjustments, intersection improvements, side slopes and clear zones. Specify the eamax for horizontal curves. Attach typical sections, plan and profile sheets, and intersection design studies when applicable.

The existing travel lanes, horizontal alignment, profile, and pavement will be maintained in the proposed condition. The improvements along Plank Road are outlined below:

- Widen shoulders to 8-foot (4' paved, 4' aggregate) width
- Resurface 1-foot width of existing travel lane at the edge of pavement
- Install 8" rumble strips in proposed shoulders
- Install inlaid wet reflective preformed white edge lines to improve visibility
- Improve drainage ditches to meet Kane County Stormwater Ordinance and BDE Figure 33-3A criteria
- Replace damaged drainage structures as needed
- Patch roadway in three sections where culverts are being replaced beneath the roadway

The Proposed Typical Sections are included in **Exhibit 2** and the Proposed Plan and Profiles are included in **Exhibit 3** and show the proposed improvements. The Bureau of Traffic (HSIP coordinator) concurrence is included in **Appendix I**.

The proposed drainage system was designed to match the existing drainage patterns to the maximum extent practicable. At locations where drain tile or culverts cross Plank Road, the drain tile will be replaced with reinforced concrete pipe with an equivalent or larger diameter. The minimum diameter pipe used will be 12-inches. The pipe will be re-connected to the existing drain tile on the north and south sides of Plank Road, if applicable. For maintenance, a closed-lid structure will be constructed on the north and south sides of the roadway to access the drain tile crossing.

At the three (3) existing culvert crossings, the culverts have been lengthened to accommodate the shoulder widening. Lengthened culverts were designed to maintain existing invert elevations to the maximum extent practicable. The proposed invert elevations match the toe of slope on the upstream and downstream side of the proposed roadway. The culverts will be installed via open cut trench methods and the roadway will be repaired with full-depth patching.

There are several locations where roadway drainage currently leaves the right-of-way as sheet flow. In these locations, sheet flow has been maintained. In locations where an existing drainage ditch is present, it has been replaced with a 2-foot bottom width trapezoidal ditch. The outlet locations have not changed as part of this project. In addition to matching the existing drainage patterns to the maximum extent practicable, several stormwater treatment best management practices (BMPs) have been designed to improve the water quality leaving the corridor. The proposed drainage plan is attached as **Exhibit 4**. IDOT BLRS Drainage coordinator approval of the proposed drainage plan is included in **Appendix I**.

KDOT is the Kane County Stormwater Administrator for all County and Township rights of way. As such, no formal coordination is required for this project specific to the Kane County Stormwater Ordinance.

Some existing utility poles are anticipated to be relocated to keep them outside of proposed ditches. The relocation of the poles will be coordinated with the utility agencies during the design engineering of the project.

- d. Discuss items affecting improvement such as hazardous mailbox supports, parking and truck restrictions, mail delivery from traffic lanes, justification (including warrants) for multi-way stop signs, traffic signals and other traffic control and railroad protective devices, stage construction, nearby airports, and additional lighting:

There are no changes in traffic control, restrictions, or objects affecting construction. The improvements are anticipated to be constructed using stage construction.

There are mailboxes along the corridor that will not be impacted by the proposed improvements. Existing roadway signs affected by the shoulder widening will be relocated or replaced as necessary.

There are no railroad crossings or airports near the project corridor. The corridor and intersections do not have roadway lighting. On-street parking is not permitted and there are no truck restrictions on Plank Road.

- e. Identify each aspect to be constructed at less than the design guidelines and provide a clear description of required design variances and appropriate justification. (BLRS Manual Section 27-7). If a design variance is required, include a copy of the approved BLR 22120 form as an attachment.

All project elements are to be constructed according to design guidelines. Shoulder and ditch improvements will comply with IDOT BDE Figure 33-3A "Geometric Design for Rural Two-Lane Minor Arterials (3R Projects)" and AASHTO Table 7-3 "Minimum Width of Traveled Way and Usable Shoulder for Arterials in Rural Areas." No design variances are required for the project.

- f. Current estimated cost of proposed improvement? \$1,324,500 (See **Exhibit 5**)
- g. Analyze the need for accommodating pedestrians, bicyclists and the handicapped. When applicable, describe the facilities to be provided for pedestrians and bicyclists. Discuss the ADA accessibility and maximum longitudinal grade of these facilities. (BLRS Manual Chapter 41)

The improvements will not include pedestrian, bicycle, or ADA accommodations. The project area has no existing facilities for pedestrians and bicyclists. There are no existing developments or future development planned in the area that will attract pedestrian or bicycle activity. The surrounding area is rural and there is no evidence of existing pedestrian or bicycle activity on Plank Road in the project vicinity. There were no reported pedestrian or pedal-cyclist crashes in the previous six years of crash data that was studied.

Sidewalks/Shared-Use Paths:

Maximum 2% crossslope: ☐ Yes ☐ No ☒ Not Applicable

ADA ramps with detectable warnings at street intersections: ☐ Yes ☐ No ☒ Not Applicable

If no, provide justification.

- h. Discuss any proposed improvements being considered in adjacent segments including the anticipated construction startup date of these improvements.

There are no proposed improvements considered adjacent to the project within this project's proposed schedule.

3. Crash Analysis (BLRS Manual Section 22-2.11(b)(9))

- a. Summarize crash data for the past five years, including a spot map or a location map showing crash locations when possible. Detail the types of crashes and include collision diagrams, if possible, especially at cluster sites. Give the source of this data.

Crash analysis was conducted for the period from 2014 to 2019. During these six years, there were 63 crashes on Plank Road between Engel Road and Waughon Road. The predominant crash type was fixed object (23 crashes, 37%), followed by rear end (18 crashes, 29%), overturned (9 crashes, 14%), animal (5 crashes, 8%), turning (1 crash), and angle (1 crash). These crashes included three Type A injury crashes, 12 Type B injury crashes, and 48 property damage only crashes. One crash resulted in a fatality. 40% of crashes happened in dark conditions and 30% of crashes happened in wet conditions. See **Exhibit 6**, Crash Analysis Summary.

The fatal crash resulted from a westbound vehicle roadway departure at the intersection of Plank Road and Lawrence Road. The fatal crash was type fixed object (the fixed object was a utility pole), and occurred in clear, dry, and daylight conditions.

Plank Road has No Passing Zones within the project limits. The crash data was reviewed to identify patterns of crashes involving vehicles crossing the roadway center line or head-on collisions. According to the crash data, there were no head-on crashes or crashes involving vehicles crossing the center line. No changes are proposed to the No Passing Zones.

- b. Analyze available crash data including results of field check. Discussion should include high crash locations, critical wet weather sites, and other crash patterns. If the data is inconclusive, make a statement to that effect.

The intersection of Plank Road and Lawrence Road is a high crash location. Of the 15 crashes that occurred at this intersection, eight included roadway departures (two of which resulted in overturned vehicles), six included injuries (one of which was a fatality), and six occurred in wet or icy conditions. Fixed object was the most prevalent crash type at this intersection.

The intersection of Plank Road and Waughon Road is another high crash location. Of the 11 crashes that occurred at this intersection, two included roadway departures, and five occurred in wet or icy conditions. Rear end was the most prevalent crash type at this intersection.

On Plank Road, between the intersections of Lawrence Road and Waughon Road, is a high crash segment. 30 crashes occurred in this segment, 22 included roadway departures, ten resulted in injuries, and ten occurred in wet or icy conditions. Fixed object was the most prevalent crash type on this segment, followed by overturned.

- c. Describe how the proposed project will address any crash issues.

Widening shoulders and adding rumble strips and reflective pavement markings will decrease the likelihood of roadway departures, which was the cause of the majority of fixed object and overturned crashes. These improvements will help drivers stay alert and give vehicles more room in the case of skidding in inclement weather.

The widened shoulders will reduce this risk for through moving vehicles by providing area to recover after departing the through lanes. The wider shoulders will also help vehicles attempting to avoid rear end collisions at intersections. Providing inlaid wet reflective preformed white edge lines will maintain high visibility of the edge of traveled way for a longer period of time. The rumble strips will warn drivers when they leave through lanes.

4. Right-of-Way

- a. Describe the right-of-way taking, including the total acreage required for each of the following categories: ROW, permanent easements, temporary easements and temporary land use permits. Include the width of taking, number of property owners, acreage of right-of-way and/or easements, character of land; i.e., farm, residential, commercial or publicly owned properties, anticipated impacts to properties that remain, and location of any improvements with respect to required right-of-way. Discuss any impacts on setbacks required by zoning.

Right-of-way (ROW) acquisition is required for the construction of the improvements. The proposed ROW and temporary easement acquisition per parcel is identified in the table below.

	PIN	PR ROW (AC)	TE (SF)	Land Use
1	04-08-200-011	0.13	-	Farmland
2	04-08-400-016	-	700	Residential
3	04-08-400-012	0.04	-	Residential
4	04-08-400-022	0.13	-	Farmland
5	04-08-200-009	0.47	-	Farmland
6	04-08-400-002	0.07	-	Farmland
7	04-09-100-010	0.33	-	Farmland
8	04-09-100-012	0.02	-	Residential
9	04-09-100-005	0.33	-	Farmland
10	04-09-100-006	0.28	-	Farmland
11	04-09-100-013	0.01	-	Farmland
12	04-09-100-014	0.02	-	Residential

The summary of proposed ROW and temporary easement acquisition per land use is summarized below.

Total per Land Use	PR ROW (AC)	TE (SF)	Land Use
	1.74	-	Farmland
	0.06	700	Residential

The proposed ROW acquisition will not affect the future function of the properties. Structures will not be displaced by ROW acquisition. Refer to **Exhibit 7** for widths of ROW acquired from each parcel.

- b. Are any residents, businesses or farms to be displaced?

☐ Yes ☒ No

If yes, describe the number and type of displacements anticipated and mitigation that will be taken to provide relief for this impact on an attached sheet.

5. Prime Farmland (BLRS Manual Section 20-10)

- a. If the project requires more than 3 acres/mile (0.75 hectares/kilometers), 10 acres (4 hectares) for a non-linear improvement, or the project ROW is not contiguous to the existing ROW, contact the Illinois Department of Agriculture and attach results of the coordination and summarize the results below.

N/A - the project impacts are below the threshold of 3 acres per mile and does not require further coordination with IDOA.

- b. ☐ The project requires consultation with the Natural Resource Conservation Service., Form AD-1006 has been completed and submitted to the local office of NRCS. The completed AD-1006 form is attached.
- ☒ The impact of this project on farmland conversion has been evaluated in accordance with the requirements of the US Natural Resources (NRCS). The project will cover 3 acres or less of farmland per mile (0.75 hectares or less of farmland per kilometer) and the conversion will not result in more than minor impacts. Accordingly, the project conforms to the general form AD-1006 prepared by NRCS. Therefore, further coordination with NRCS on this project will not be necessary.

6. Floodplain Encroachment (BLRS Manual Section 20-7)

Does the proposed work cross or encroach upon a 100-year floodplain, including a regulatory floodway?

☐ Yes ☒ No

If yes, summarize the location hydraulics study, regulatory floodway restrictions, the effect of any encroachment (including a comparison between existing and proposed conditions) and the effect of over-the-road flow on the proposed transportation facility. Attach any available floodplain maps.

7. Phase I & II NPDES Storm Water Permit Requirements (BLRS Manual Section 7-4.01)

Will the project involve soil disturbance of 1 acre (0.4 hectares) or more?

☒ Yes ☐ No

If yes, the project must comply with the Phase II NPDES Storm Water Permit Requirements.

8. "404" Permit (BLRS Manual Section 7-4.02)

Does this project involve waters regulated by Section 404?

☐ Yes ☒ No

If yes, what type of 404 permit is required? ☐ Nationwide ☐ Individual ☐ Regional ☐ None

Attach a copy of any 404 permit authorization and/or coordination letters with the Corps of Engineers.

If an individual Section 404 permit is required, please notify the Illinois Department of Transportation district office before submitting the application.

9. **Special Waste (BLRS Manual Section 20-12)**

- a. Following the special waste assessment screening criteria shown on Figure 20-12A of the BLRS Manual, is Preliminary Environmental Site Assessment (PESA) required?

☒ Yes ☐ No

- b. Is work being done on property in the name of the state or are contract plans being prepared by the state?

☐ Yes ☒ No

- c. If a PESA is required for either state or local ROW, did the PESA results determine that the project has Recognized Environmental Conditions (REC's) for special waste?

☐ Yes ☒ No

A PESA was performed for the project area. The Local PESA Executive Summary is included in **Appendix II**.

If the PESA results determine that the project contains REC's, describe how the special waste is proposed to be handled (including if a Preliminary Site Investigation (PSI) is required).

No REC's were identified within the project limits and therefore a PSI is not required for the project.

10. **Environmental Survey (BLRS Manual Section 20-2)**

Whenever a project involves land acquisition (including easements), any in-stream work (including drainage structure run-around), is located within or adjacent to historic properties listed in (or eligible for) the National Register of Historic Places, a bridge on the historic list, is near wetlands, or known locations of threatened or endangered species, the Environmental Survey Request Form should be submitted early in the project development phase.

- a. Wild and Scenic Rivers - If this project crosses or affects a river on the National Wild and Scenic Rivers System or a river listed in the Nationwide Inventory of Rivers with potential for inclusion on the system, include coordination between the National Park Service and the Bureau of Design and Environment (BDE).

☐ Involvement ☒ No Involvement

- b. Wetlands - Does the proposed work impact the use of regulatory wetlands?

☒ Yes ☐ No

If yes, indicate how the wetlands will be mitigated. ☐ Banking ☐ Accumulation ☐ On-site ☒ Other

The wetland impacts are identified in **Exhibit 8**. The impacts will be mitigated using Fee-In-Lieu method at an in-basin wetland bank. Wetland clearance can be seen in **Appendix II**.

- c. Archaeological and Historical Preservation Include results of coordination. Does the project impact an archaeological or historic preservation site?

☐ Yes ☒ No

If yes, describe any required documents.

Cultural clearance can be seen in **Appendix II**.

- d. Threatened or Endangered Species – Does the project impact any endangered species or plants?

☐ Involvement ☒ No Involvement

Include copy of biological resources memorandum or signoff by BDE and/or IDNR.

Biological clearance can be seen in **Appendix II**.

- e. Stream Modification and Wildlife Impacts - Include copies of any correspondence between BDE and IDNR or U.S. Fish and Wildlife Service. Attach copies of any additional coordination between local agency and IDNR or U.S. Fish and Wildlife Service whenever required as a result of biological review by BDE. Address any proposed mitigation measures.

☐ Involvement ☒ No Involvement

11. Section 4(f) Lands (BLRS Manual Section 20-3)

- a. Does this project require any right-of-way, including temporary construction easements, from a publicly owned park, recreational area, wildlife and waterfowl, or any historic site in or eligible for the National Register of Historic Places?

☐ Yes ☒ No

- b. If yes, what type of of the Section 4(f) involvement has been completed?

☐ Section 4(f) de minimis ☐ Standard Section 4(f) ☐ Temporary Occupancy ☐ None

12. Air Quality (BLRS Manual Section 20-11) Check One:

- a. ☐ This project is in an attainment area.

- ☒ Projects within a portion of a nonattainment area for which the Chicago Metropolitan Agency for Planning (CMAP) is the MPO.

This project is included in the **ON TO 2050 FY 2019-24** (transportation plan) and in the Transportation Improvement Program (TIP), endorsed by the Metropolitan Planning Organization Policy Committee of the Chicago Metropolitan Agency for Planning (CMAP), the region's Metropolitan Planning Organization. The ON TO 2050 (transportation plan) was found to conform by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) on October 10, 2018.

The TIP was found to conform by FHWA October 10, 2018 and by FTA on October 10, 2018.

TIP No. 09-20-0106

- ☐ Projects within a nonattainment area served by a Metropolitan Planning Organization other than CMAP.

This project is included in the Long-Range Transportation Plan and in the _____ Transportation Improvement Program (TIP) endorsed by _____, the Metropolitan Planning Organization (MPO) for the region in which the project is located.

On _____ the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) determined that the Long-Range Transportation Plan conforms with the transportation-related provisions of the Clean Air Act Amendments of 1990. The FHWA and the FTA determined on _____ that the TIP conforms with the Clean Air Act Amendments. These findings were in accordance with 40 CFR Part 93, "Criteria and Procedures for Determining Conformity to State or Federal Implementation Plans of Transportation Plans, Programs, and projects Funded or Approved Under Title 23 USC or the Federal Transit Act."

The project's design concept and scope are consistent with the project information used for the TIP conformity analysis. Therefore, this project conforms to the existing State Implementation Plan and the transportation-related requirements of the 1990 Clean Air Act Amendments.

b. Mobile Source Air Toxics (See BDE PM 52-06)

This project will not result in any meaningful changes in traffic volumes, vehicle mix, location of the exiting facility, or any other factor that would cause an increase in emissions relative to the no-build alternative. As such, FHWA has determined that this project will generate minimal air quality impacts for Clean Air Act criteria pollutants and has not been linked with any special Mobile Source Air Toxic concerns. Consequently, this effort is exempt from analysis for MSATs.

Moreover, EPA regulations for vehicle engines and fuels will cause overall MSATs to decline significantly over the next 20 years. Even after accounting for a 64 percent increase in VMT, FHWA predicts MSATs will decline in the range of 57 to 87 percent, from 2000 to 2020, based on regulations now in effect, even with a projected 64 percent increase in VMT. This will both reduce the background level of MSATs as well as the possibility of even minor MSAT emissions from this project.

c. Construction-related Particulate Matter

Demolition and construction activities can result in short-term increases in fugitive dust and equipment-related particulate emissions in and around the project area. (Equipment-related particulate emissions are usually insignificant when equipment is well maintained.) The potential air quality impacts will be short-term, occurring only when demolition and construction work is in progress and local conditions are appropriate.

The potential for fugitive dust emissions typically is associated with building demolition, ground clearing, site preparation, grading, stockpiling of materials, on-site movement of equipment, and transportation of materials. The potential is greatest during dry periods, periods of intense construction activity, and during high wind conditions.

The Department's *Standard Specifications for Road and Bridge Construction* include provisions on dust control. Under these provisions, dust and airborne dirt generated by construction activities will be controlled through dust control procedures or a specific dust control plan, when warranted. The contractor and the Department will meet to review the nature and extent of dust-generating activities and will cooperatively develop specific types of control techniques appropriate to the specific situation. Techniques that may warrant consideration include measures such as minimizing track-out of soil onto nearby publicly-traveled roads, reducing speed on unpaved roads, covering haul vehicles, and applying chemical dust suppressants or water to exposed surfaces, particularly those on which construction vehicles travel. With the application of appropriate measures to limit dust emissions during construction, this project will not cause any significant, short-term particulate matter air quality impacts.

d. Project-level Hot Spot Analysis. Check One:

- ☐ This project is in an attainment area and does not require a hot spot analysis.
- ☒ This project does not meet the definition of a project of air quality concern as defined in 40 CFR 93.123(b)(1).
Due to The project is exempt since it is a shoulder widening project.

It has been determined that the project will not cause or contribute to any new localized PM_{2.5} or PM₁₀ violations or increase the frequency or severity of any PM_{2.5} or PM₁₀ violations. USEPA has determined that such projects meet the Clean Air Act's requirements without any further Hot-Spot analysis.

- ☐ This project is in a non-attainment or maintenance area and is a project of air quality concern. Therefore, a qualitative hot spot analysis is required. See Attachment _____.

e. COSIM

Are through lanes or auxiliary turn lanes being added with this project?

- ☐ Yes ☒ No

If yes, has a COSIM pre-screen analysis been completed?

☐ Yes ☐ No

If yes, pre-screen analysis is attached as Attachment _____.

If no, explain why an analysis has not been performed. _____

If yes, did the COSIM pre-screen analysis pass or fail? ☐ Pass ☐ Fail

If the COSIM pre-screen analysis failed, a full COSIM analysis would be required.

13. Noise (BLRS Manual Section 20-6)

☒ The referenced project meets the criteria for a Type III project established in 23 CFR Part 772. Therefore, the proposed project requires no traffic noise analysis or abatement evaluation. Type III projects do not involve added capacity, construction of new through lanes, changes in the horizontal or vertical alignment of the roadway, or exposure of noise sensitive land uses to a new or existing highway noise source.

☐ Based on the traffic noise analysis and noise abatement evaluation conducted, highway traffic noise abatement measures are likely to be implemented based on preliminary design. The noise barriers determined to meet the feasible and reasonable criteria are identified on the attachment. If it subsequently develops during final design that constraints not foreseen in the preliminary design or public input substantially change, the abatement measures may need to be modified or removed from the project plans. A final decision of the installation of the abatement measure(s) will be made upon completion of the project's final design and the public involvement process.

If this project involves a new alignment, additional lanes, or involves a significant alignment change, attach a traffic noise analysis.

14. Work Zone Transportation Management Plans

Does the project intersect or follow a state route?

☐ Yes ☒ No

Is the state or local route considered a significant route?

☐ Yes ☒ No ☐ Not Applicable

If yes, describe how the Work Zone Transportation Management Plan is being implemented.

15. Complete Streets (BLRS Manual Chapter 10)

Does the project include the addition of a travel, turning, or bi-directional turn lane on a state highway?

☐ Yes ☒ No

If yes, describe how the Complete Streets Law requiring accommodating bicyclists on a state route apply.

16. Maintenance of Traffic (BLRS Manual Section 22-2.11(b)(9))

Discuss how vehicle traffic and pedestrians will be accommodated during construction, including the impacts of any road and/or sidewalk closure. If the road will be closed, include information concerning location of alternate routes, their ability to handle the additional traffic (street width, number of traffic lanes, structural adequacy, etc.), and the amount of adverse travel. When a marked detour route will be provided, include coordination with appropriate agencies, a description of the adverse travel, and include a map showing the alternate routes or marked detour in the report.

The proposed improvements along Plank Road are expected to be completed under live traffic with no roadway closures anticipated. Maintenance of traffic will be achieved by utilizing the appropriate IDOT Highway Standard Details for traffic control in work zones. In order to provide a safe work zone for contractors, it is recommended to complete the shoulder widening and reconstruction in two stages, constructing one side of the roadway at a time. During the first stage, traffic will be shifted over two-feet away from the work zone by reducing the lane widths to 10-feet each with the use of temporary pavement markings. This will maintain a one-foot effective shoulder in each direction, create a two-foot buffer distance between live traffic and the Stage 1 work zone, and provide adequate space to place traffic control devices. During Stage 2, 11-foot lanes can be reestablished by temporarily shifting traffic over onto the newly constructed paved shoulder completed in Stage 1.

Installation of the three new cross-road culverts will be completed pre-stage in one-half increments at a time, centered about the Plank Road centerline, utilizing the IDOT Highway Standard for temporary lane closures (day only) with the use of flaggers. It is anticipated that the roadway will be open cut, with the existing culverts to be removed and replaced, backfilled, and then patched.

Milling operations and permanent pavement marking installation will be completed using IDOT Highway Standards for two-lane, two-way moving operations (day only). Ancillary shoulder work, ditch grading, landscaping, and restoration activities will take place outside of the travelled way and will be accomplished using IDOT Highway Standards for off-road operations.

There will be no detours proposed as a result of this project. Additionally, there are no sidewalks within project limits and, as such, there are no pedestrian accommodations to be maintained. Detailed Maintenance of Traffic (MOT) plans will be prepared during Phase II plan preparation.

See **Exhibit 9** for conceptual MOT typical sections.

17. Public Involvement (BLRS Manual Chapter 21)

- a. Summarize public informational meetings, formal public hearings, property owner signoffs, council or board meetings, media coverage, and personal contact with public. Include copies of newspaper advertisements, letter to property owners, public comments, and documents showing all public comments have been addressed.

Public involvement included direct coordination with owners of properties affected by ROW acquisition. The coordination letters were sent via certified mail and no responses were received. Copies of these letters are included in **Appendix III**.

- b. Has any opposition been expressed toward the improvement?

☐ Yes ☒ No

If yes, briefly discuss the type and extent of opposition.

- c. If yes, discuss how the opposition has been addressed with the property owners?

18. Coordination: LA-IDOT-FHWA (BLRS Manual Section 22-1.02)

Has there been any coordination meetings for this project? ☒ Yes ☐ No

If yes, list the date(s) of the coordination meeting(s) below and attach coordination meeting minutes in the report.

Agency	Date	Location
IDOT	08/12/2020	Appendix I
FHWA/IDOT	01/05/2021	Appendix I

19. **Other Coordination**

Environmental coordination, including the Wetland Screening Report, Cultural Clearance Letter, and PESA Report are included in **Appendix II**. Coordination with utilities is included in **Appendix IV**.

Coordination with Village of Burlington and Burlington Township was not required for the project.

Coordination with IDOA is not required since the farmland impacts are below the threshold.

20. **Summary of Commitments**

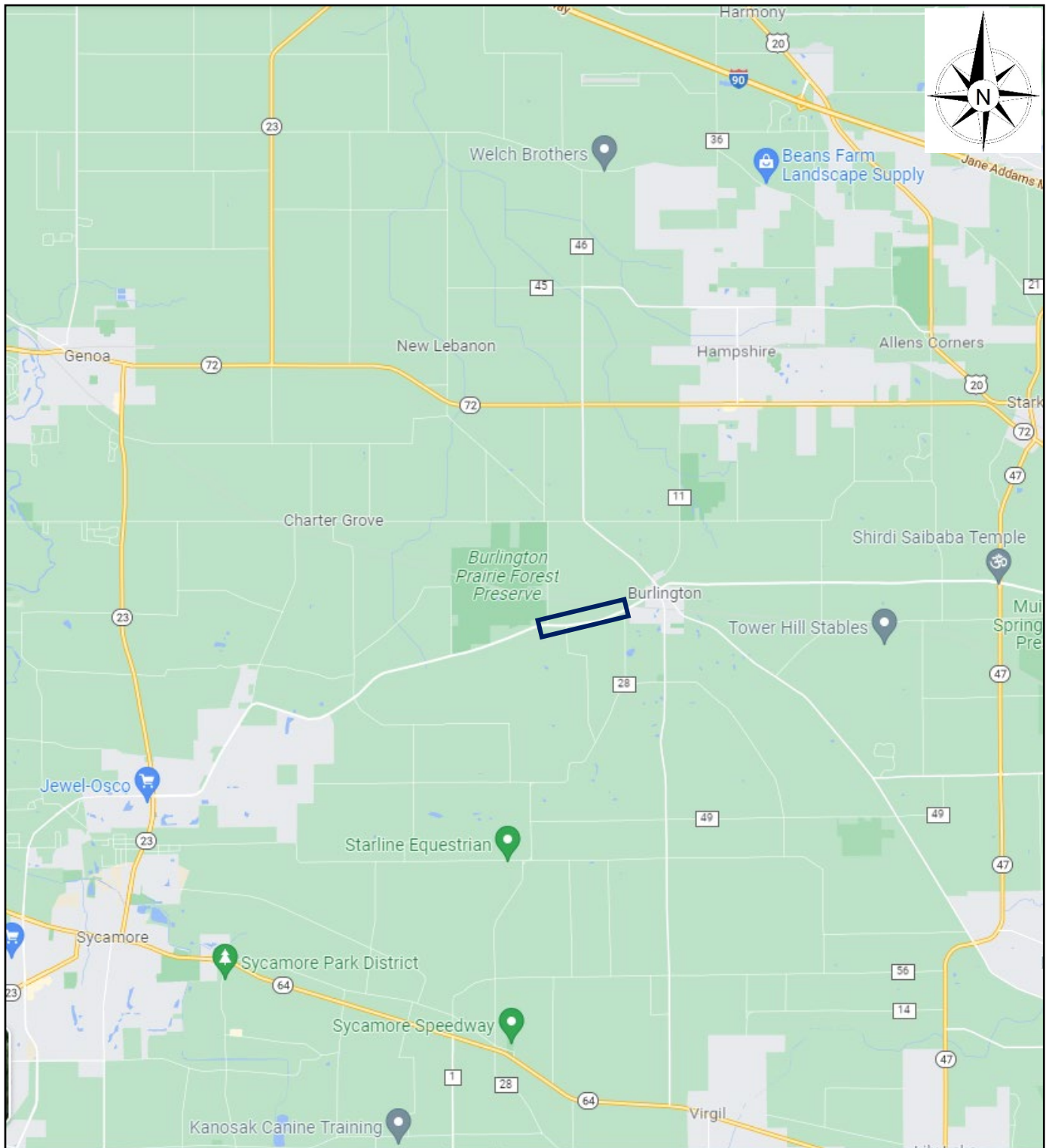
1. NPDES will be completed in Phase II.
 2. All applicable special waste items should be included in the Final Plans, Specifications, and Estimates (PS&E).
 3. Detailed Maintenance of Traffic (MOT) plans will be completed in Phase II.
-

Table of Contents

1. Location Map and Functional Classification Map
2. Existing and Proposed Typical Sections
3. Plan and Profile Sheet
4. Proposed Drainage Plan
5. Estimate of Cost
6. Collision Diagrams and Crash Summary
7. ROW Acquisition
8. Wetland Impact Exhibit
9. Maintenance of Traffic Typical Sections

Exhibit 1

Location Map and Functional Classification Map



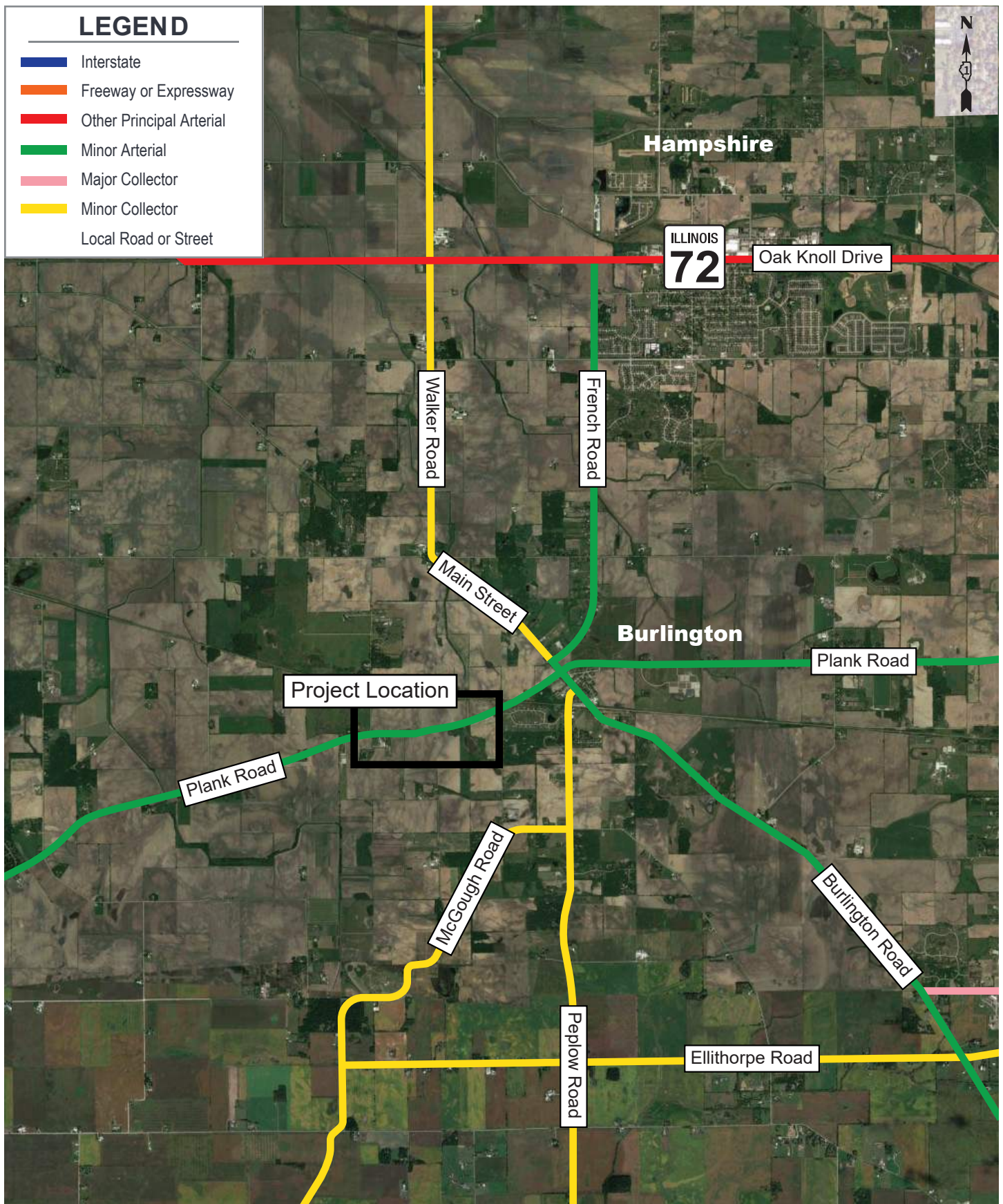
 - Project Location

Kane County Division of Transportation
Plank Road, Engel Rd to Waughon Rd

Location Map

Not to Scale

Date: 12/10/21



FUNCTIONAL CLASSIFICATION MAP

Plank Road
Engel Road to Waughton Road

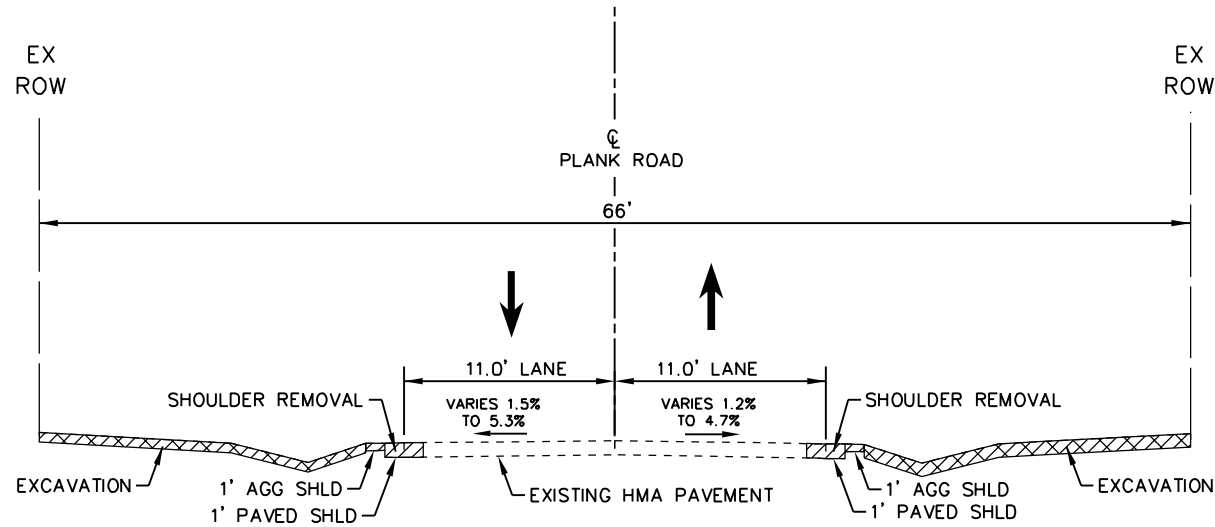
Exhibit 2

Existing and Proposed Typical Sections

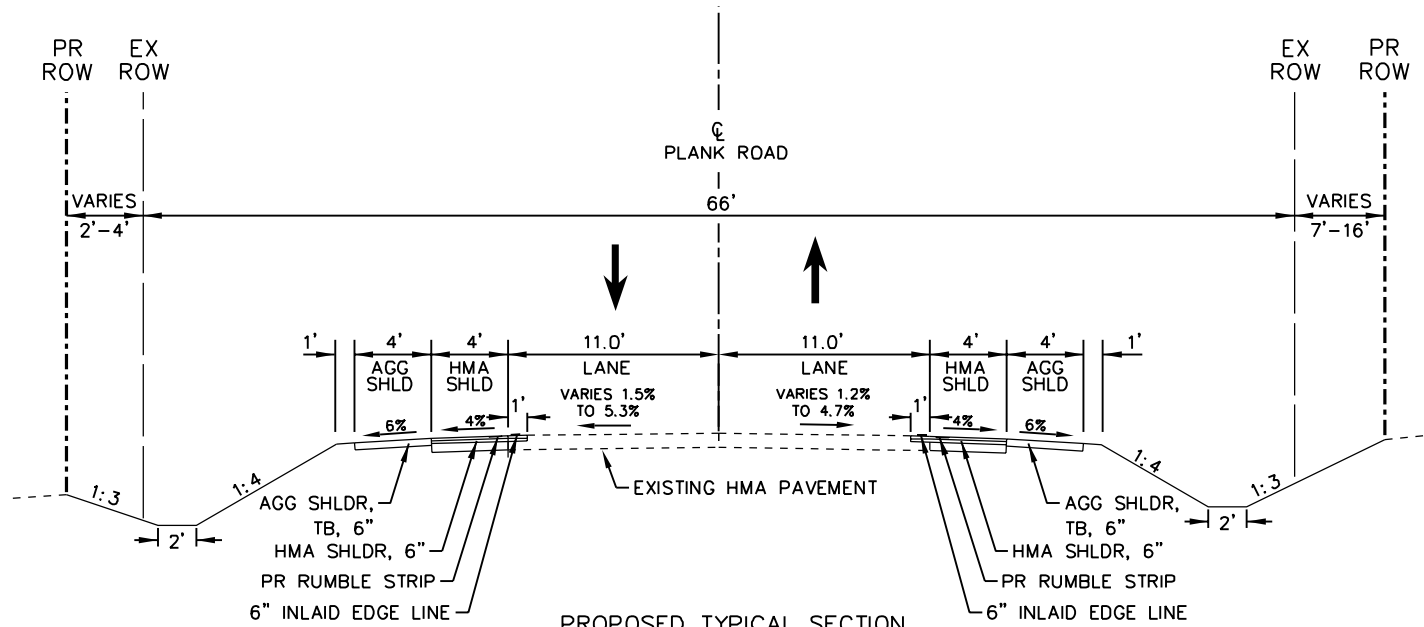
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NOTE BOOK		
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EXISTING TYPICAL SECTION
PLANK ROAD
STA 11+00 TO STA 64+36.70



PROPOSED TYPICAL SECTION
PLANK ROAD
STA 11+00 TO STA 64+36.70

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	DRAWN -	REVISED -
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STATE OF ILLINOIS
DIVISION OF TRANSPORTATION

TYPICAL SECTIONS
PLANK ROAD

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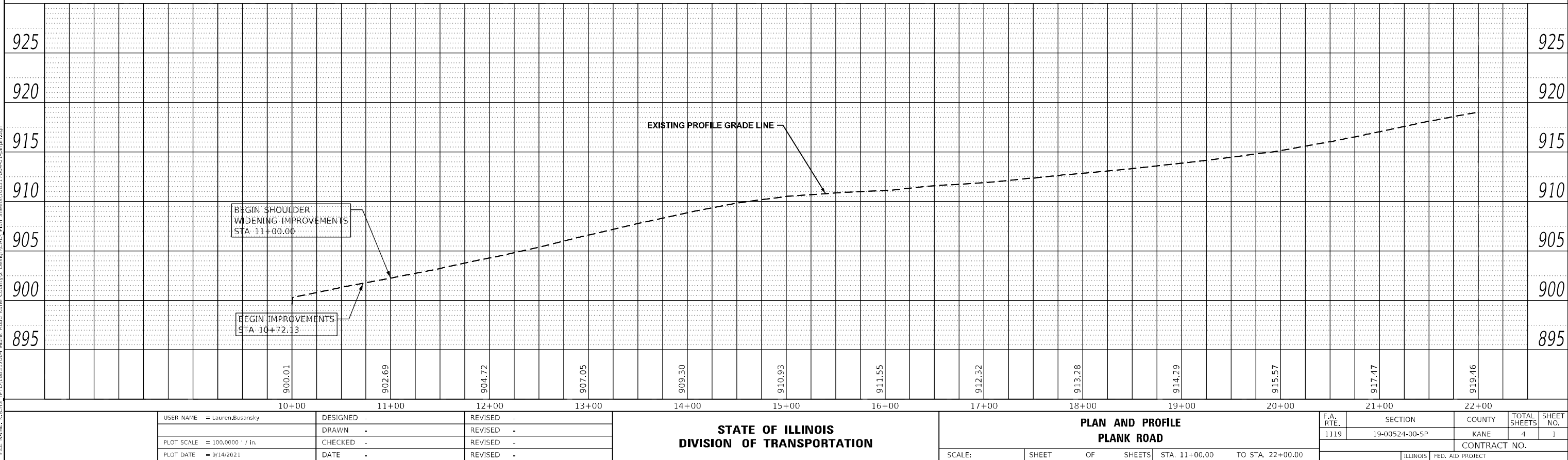
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

Plank Road, Engel Road to Waughon Road
Kane County Division of Transportation
Village of Burlington, IL

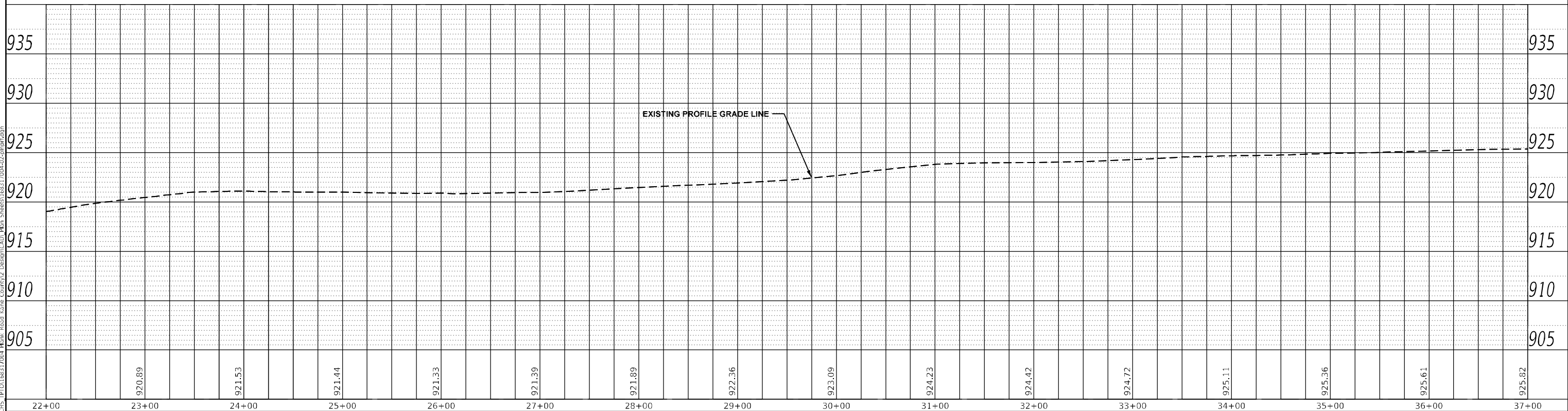
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Plan and Profile Sheet

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I.O. _____	B.M. NOTED _____		
	STRUCTURE NOTATION CHKD _____		

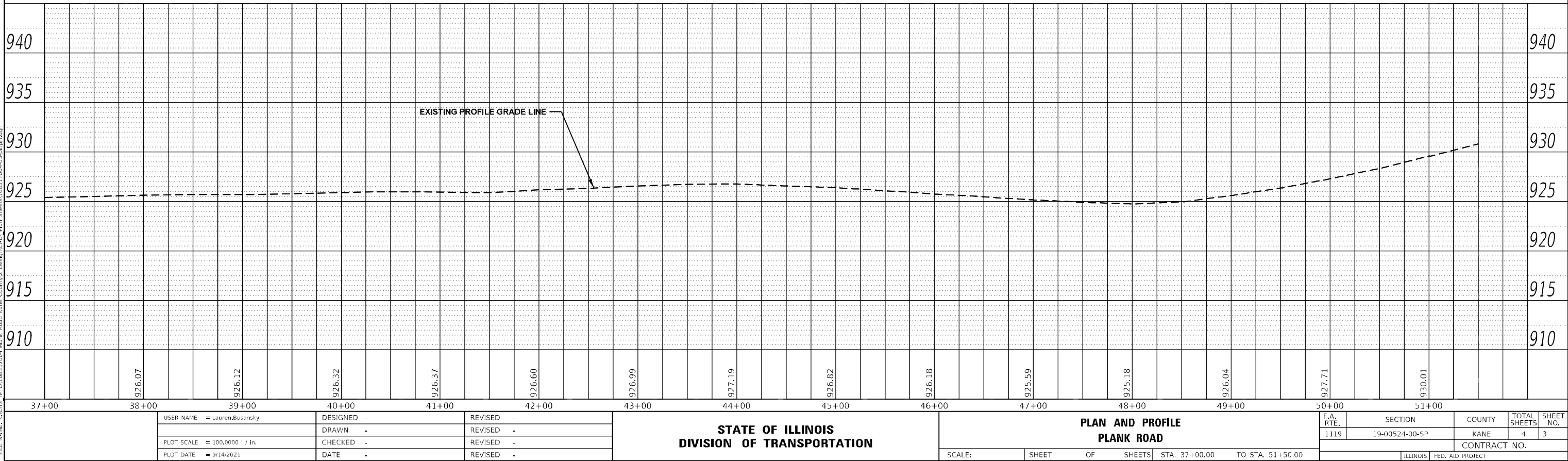
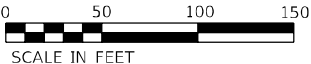


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NOTE BOOK _____	GRADES CHECKED _____		
I.O. _____	B.M. NOTED _____		
	STRUCTURE NOTATION CHKD _____		



USER NAME = Lauren.Busansky	DESIGNED -	REVISED -	<div>STATE OF ILLINOIS</div> <div>DIVISION OF TRANSPORTATION</div>	<div>PLAN AND PROFILE</div> <div>PLANK ROAD</div>					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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I.O. _____	B.M. NOTED _____		
	STRUCTURE NOTATION CHKD _____		



PROFILE	SURVEYED _____	BY _____	DATE _____
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I.O. _____	B.M. NOTED _____		
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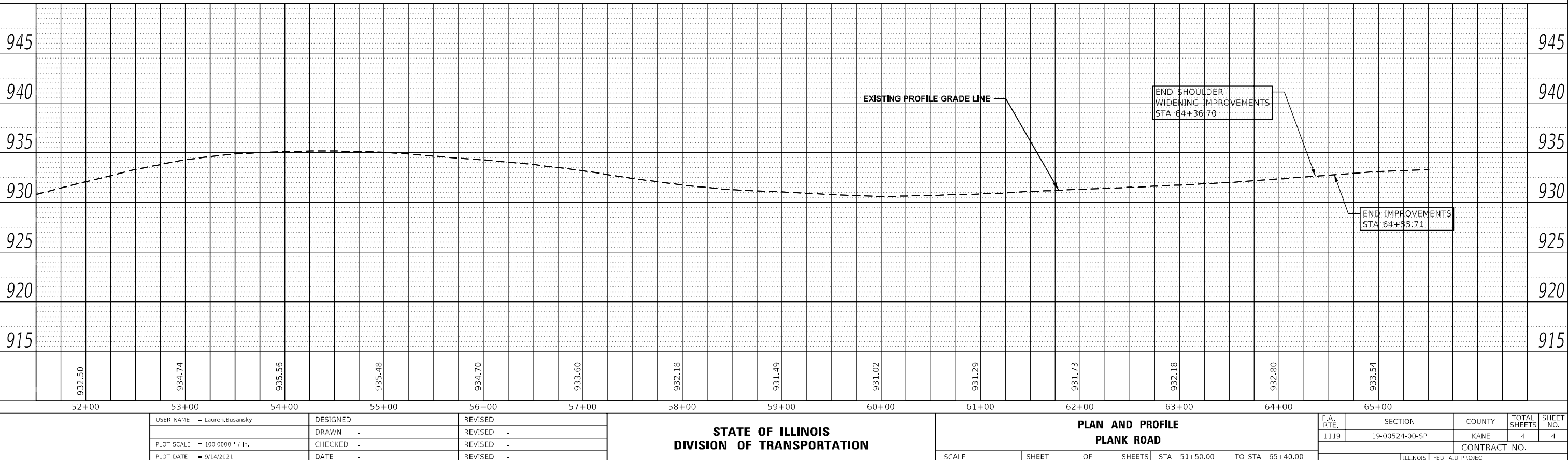
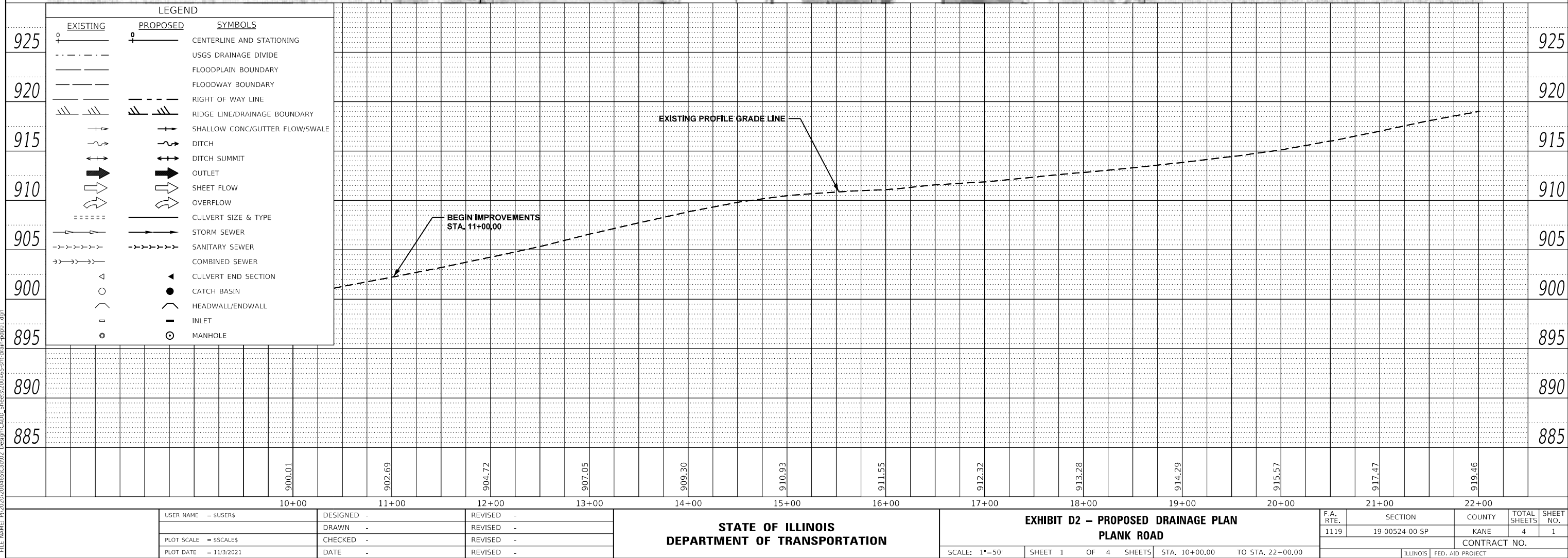
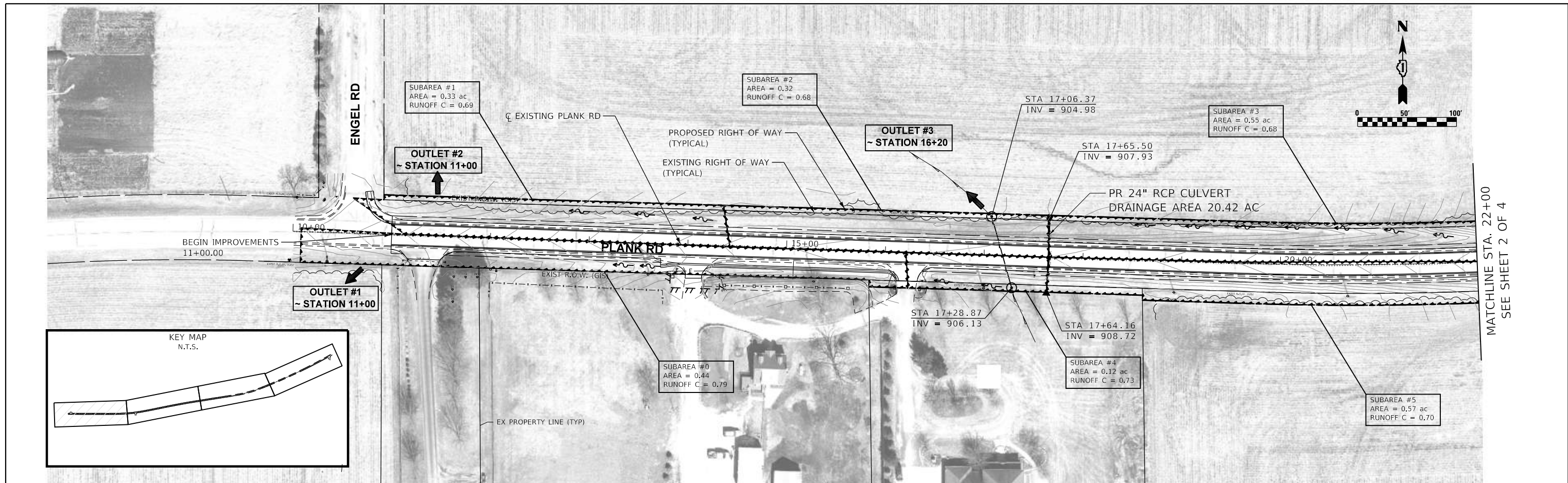


Exhibit 4

Proposed Drainage Plan

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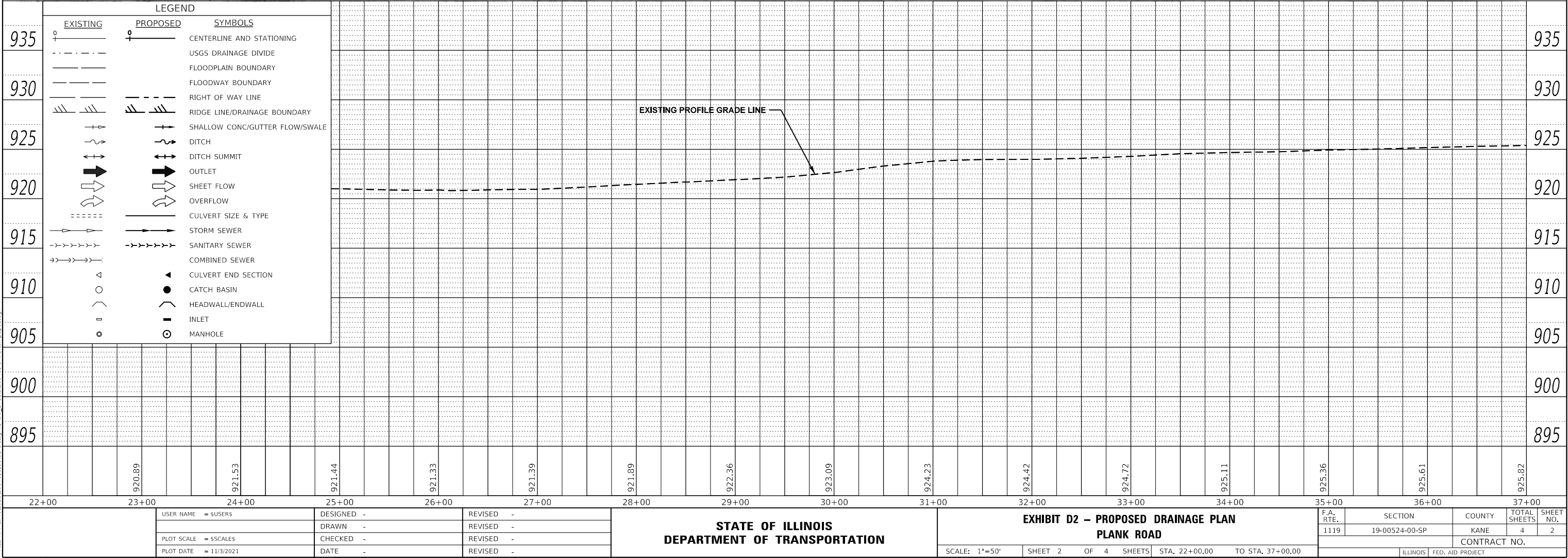
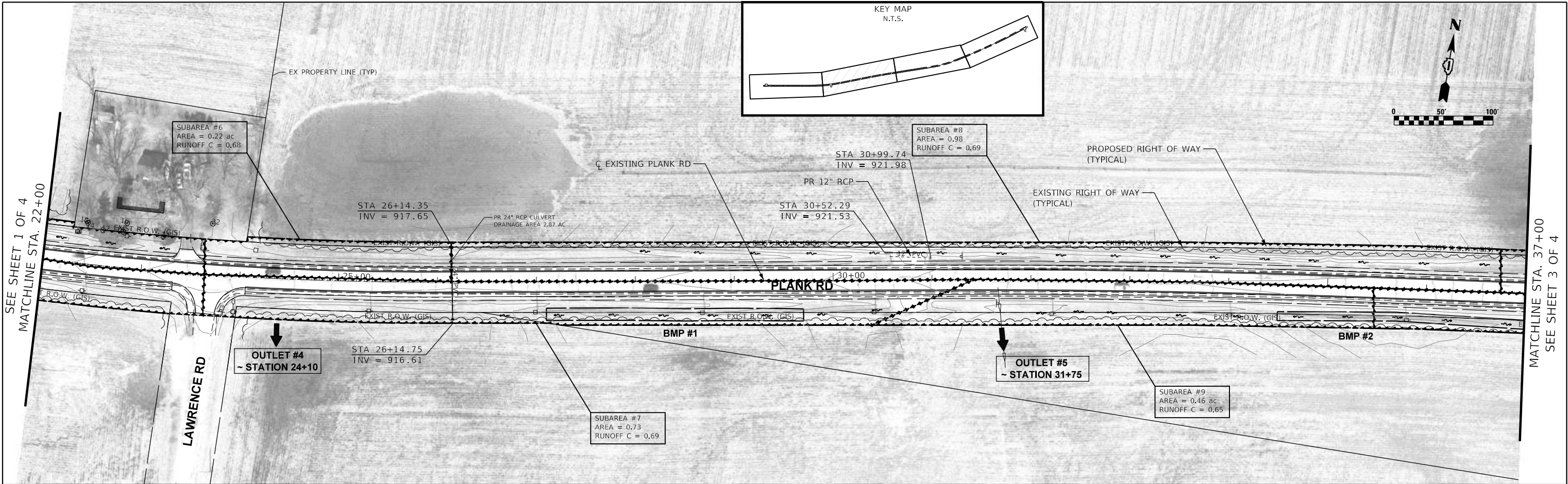
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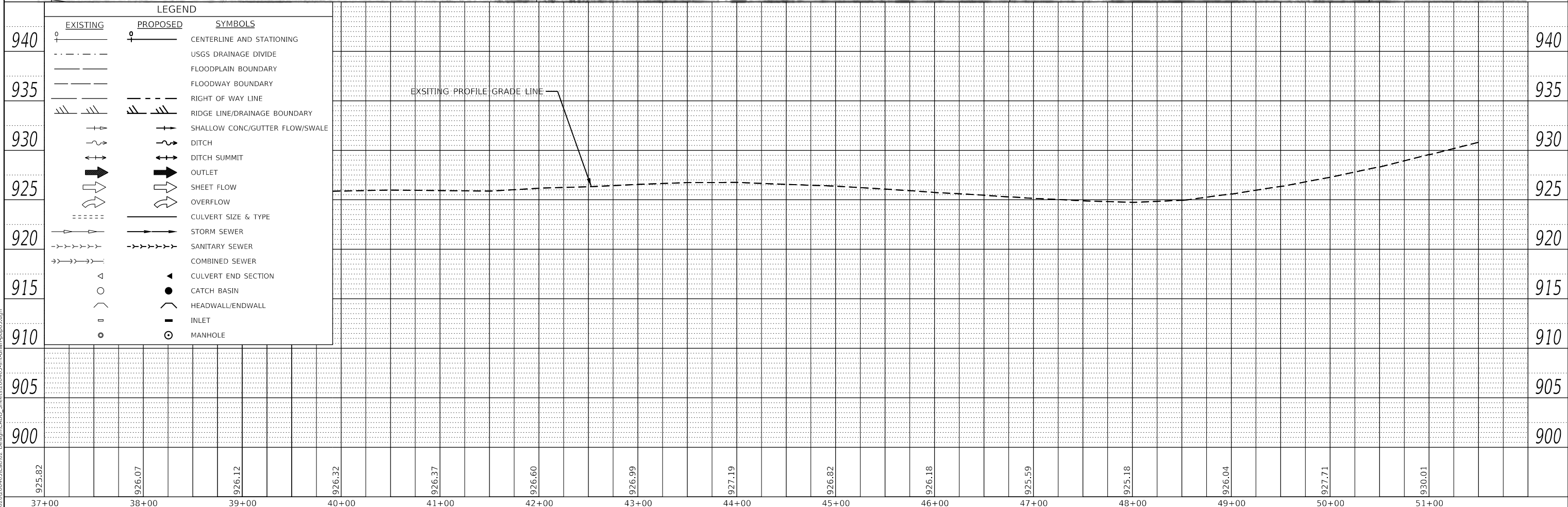
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NOTE BOOK	PLOTTED	
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NO. _____	B.M. NOTED _____		
	STRUCTURE NOTATIONS CHKD _____		



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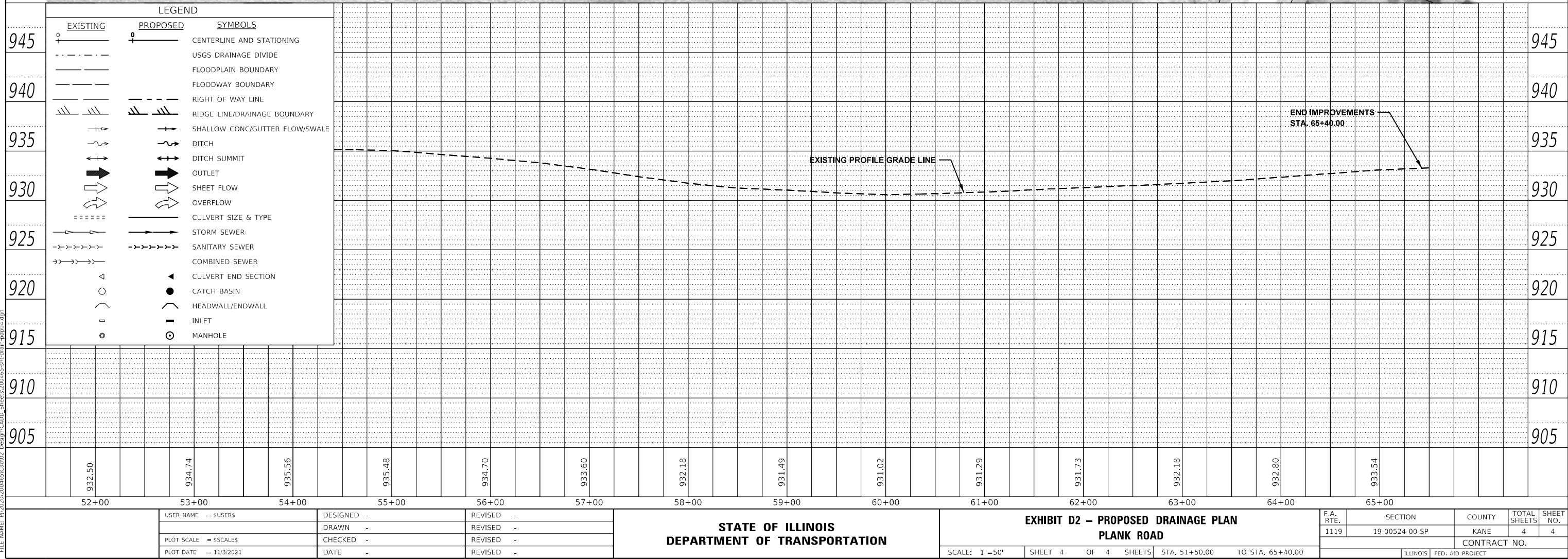
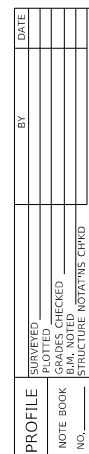


Exhibit 5
Estimate of Cost

Plank Road, Engel Road to Waughon Road
Kane County Division of Transportation
Village of Burlington

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST					
Item No	Item Description	Unit	Quantity	Unit Price	Cost
1	HOT-MIX ASPHALT SURFACE COURSE	TON	142	\$110.00	\$15,589
2	HOT-MIX ASPHALT BINDER COURSE	TON	142	\$100.00	\$14,172
3	PAVEMENT SURFACE REMOVAL	SQ YD	1,233	\$5.00	\$6,167
4	AGGREGATE BASE COURSE, TYPE B, 8" DEPTH	SQ YD	4,556	\$15.00	\$68,340
5	AGGREGATE SHOULDERS, TYPE B, 6"	SQ YD	4,562	\$15.00	\$68,423
6	HMA SHOULDERS, 6"	SQ YD	4,524	\$35.00	\$158,340
7	DRIVEWAY PAVEMENT REMOVAL	SQ YD	350	\$15.00	\$5,253
8	HMA DRIVEWAY PAVEMENT, 8"	SQ YD	350	\$60.00	\$21,013
9	CLASS D PATCHES	SQ YD	27	\$150.00	\$4,050
10	COMBINATION CONCRETE CURB & GUTTER	L FOOT	250	\$30.00	\$7,500
11	SHOULDER RUMBLE STRIPS, 8 INCH	L FOOT	11,100	\$0.50	\$5,550
12	GROOVING FOR INLAID PAVEMENT MARKING	L FOOT	11,100	\$2.00	\$22,200
13	WET REFLECTIVE PAVEMENT MARKING	L FOOT	11,100	\$3.00	\$33,300
14	TRENCH AND BACKFILL	CU YD	73	\$55.00	\$4,015
15	EARTH EXCAVATION	CU YD	4,725	\$30.00	\$141,750
16	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3,385	\$40.00	\$135,400
17	FURNISHED EXCAVATION	CU YD	224	\$30.00	\$6,720
18	TOPSOIL FURNISH & PLACE 6"	SQ YD	18,059	\$5.00	\$90,295
19	REMOVE AND REPLACE SIGN	EACH	7	\$1,000.00	\$7,000
20	REMOVE AND REPLACE 12" CULVERT	L SUM	1	\$50,000.00	\$50,000
21	LANDSCAPING	L SUM	1	\$10,000.00	\$10,000
22	MAINTENANCE OF TRAFFIC & MOBILIZATION	L SUM	1	\$150,000.00	\$150,000
	CONSTRUCTION SUBTOTAL	SUBTOTAL (ITEMS 1-22)			\$1,025,077
	CONTINGENCY	25% OF CONST. SUBTOTAL			\$256,269
		TOTAL CONSTRUCTION COST			\$1,285,000
	RIGHT-OF-WAY, FEE SIMPLE	ACRE	1.80	\$20,000.00	\$36,000
	TEMPORARY CONSTRUCTION EASEMENT	SQ FT	700	\$5.00	\$3,500
		LAND ACQUISITION COST			\$39,500

TOTAL COST

\$1,324,500

Exhibit 6

Collision Diagrams and Crash Summary

Plank Road: Engel Road to Waughon Road
Kane County Division of Transportation
Burlington Township, IL

Crash Summary

Year 2014-2019

Year	Total Crashes	Fatal Crashes		Type A Crashes		Type B Crashes		Predominant Types		Ped	Pedal	% of crashes during dark conditions	% of crashes during poor weather	% of crashes during wet condtions
		#	Fatalities	#	Injured	#	Injured	1	2					
2014	11	0	0	0	0	5	6	Fixed Object (5)	N/A	0	0	9%	0%	11%
2015	11	0	0	1	1	2	2	Fixed Object (5)	Rear End (3)	0	0	73%	11%	27%
2016	12	1	1	0	0	2	2	Fixed Object (4)	N/A	0	0	42%	0%	33%
2017	9	0	0	1	1	0	0	Rear End (4)	Animal (2)	0	0	44%	33%	25%
2018	15	0	0	1	1	2	2	Fixed Object (8)	Rear End (4)	0	0	33%	7%	25%
2019	5	0	0			1	1	Rear End (3)	N/A	0	0	40%	40%	80%
Total	63	1	1	3	3	12	13	Fixed Object (23)	Rear End (18)	0	0	40%	12%	30%

Legend
Type A Crash: Incapacitating Injury
Type B Crash: Non-Incapacitating Injury

Name	2014	2015	2016	2017	2018	2019	Total
Pedestrian	0	0	0	0	0	0	0
Pedalcyclist	0	0	0	0	0	0	0
Animal	1	0	1	2	1	0	5
Overturned	2	2	2	1	2	1	10
Fixed Object	5	5	4	1	8	1	24
Other Object	0	0	0	0	0	0	0
Other Non Collision	0	0	0	0	0	0	0
Parked Motor Vehicle	0	0	0	0	0	0	0
Turning	0	0	1	0	0	0	1
Rear End	2	3	2	4	4	3	18
Sideswipe	0	0	0	0	0	0	0
Sideswipe Opposite	0	0	0	0	0	0	0
Head On	0	0	0	0	0	0	0
Angle	0	1	0	0	0	0	1

Name	2014	2015	2016	2017	2018	2019	Total
Daylight	10	3	7	5	10	3	38
Dawn	1	0	2	0	0	0	3
Dusk	0	0	0	0	1	1	2
Darkness	0	8	3	4	4	1	20
Darkness, Lighted Road	0	0	0	0	0	0	0
Clear	11	8	10	6	14	3	52
Rain	0	1	0	2	1	1	5
Snow	0	0	0	1	0	1	2
Fog/Smoke/Hail	0	0	0	0	0	0	0
Sleet/Hail	0	0	0	0	0	0	0
Dry	8	8	8	6	9	1	40
Wet	1	2	3	2	0	2	10
Snow and Slush	0	0	0	0	0	2	2
Ice	0	1	1	0	3	0	5


PLANK ROAD @ ENGEL ROAD


3 CRASHES

2014-2019
















SIDESWIPE SAME
02/11/2017 DRY


REAR END
08/09/2019 WET


REAR END
05/05/2016 DRY







LEGEND:

 STRAIGHT
 STOPPED
 UNKNOWN
 BACKING
 OVERTAKING
 SIDESWIPE

 PARKED
 ERRATIC
 OUT OF CONTROL
 RIGHT TURN
 LEFT TURN
 U-TURN

 PEDESTRIAN
 BICYCLE
 INJURY
 FATALITY

FIXED OBJECTS:

 GENERAL
 SIGNAL
 TREE
 POLE
 CURB
 ANIMAL

PLANK ROAD - ENGEL ROAD TO LAWRENCE ROAD

4 CRASHES

2014-2019



REAR END
10/16/2014 DRY

ANIMAL
05/09/2017 DRY

OVERTURNED
04/14/2019 SNOW

REAR END
08/04/2018 DRY

LEGEND:

STRAIGHT
STOPPED
UNKNOWN
BACKING
OVERTAKING
SIDESWIPE

PARKED
ERRATIC
OUT OF CONTROL
RIGHT TURN
LEFT TURN
U-TURN

PEDESTRIAN
BICYCLE
INJURY
FATALITY

FIXED OBJECTS:

GENERAL
SIGNAL
TREE
POLE
CURB
ANIMAL

PLANK ROAD @ LAWRENCE ROAD

15 CRASHES

2014-2019



FIXED OBJECT
10/22/2016 DRY

SIDESWIPE SAME
01/15/2016 WET

REAR END
07/16/2019 DRY

SIDESWIPE OPPOSITE
01/13/2016 ICE

REAR END
05/09/2017 WET

REAR END
09/19/2015 DRY

REAR END
05/09/2017 WET

ANIMAL
11/01/2018 DRY

FIXED OBJECT
12/27/2015 WET

OVERTURNED
02/06/2016 DRY

FIXED OBJECT
09/15/2014 DRY

OVERTURNED
09/25/2017 DRY

FIXED OBJECT
04/15/2015 DRY

FIXED OBJECT
01/29/2018 DRY

FIXED OBJECT
01/13/2019 SNOW

LEGEND:

STRAIGHT
 STOPPED
 UNKNOWN
 BACKING
 OVERTAKING
 SIDESWIPE

PARKED
 ERRATIC
 OUT OF CONTROL
 RIGHT TURN
 LEFT TURN
 U-TURN

PEDESTRIAN
 BICYCLE
 INJURY
 FATALITY

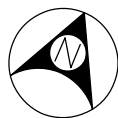
FIXED OBJECTS:

GENERAL
 SIGNAL
 TREE
 POLE
 CURB
 ANIMAL

PLANK ROAD - LAWRENCE ROAD TO WAUGHON ROAD

30 CRASHES

2014-2019



OVERTURNED
02/04/2016 DRY

FIXED OBJECT
01/19/2014 SNOW OR SLUSH

FIXED OBJECT
05/07/2016 DRY

FIXED OBJECT
05/10/2015 WET

FIXED OBJECT
06/04/2018 DRY

FIXED OBJECT
01/18/2018 SNOW OR SLUSH

REAR END
01/18/2018 SNOW OR SLUSH

FIXED OBJECT
06/18/2017 DRY

FIXED OBJECT
01/18/2018 ICE

FIXED OBJECT
01/18/2018 ICE

FIXED OBJECT
12/01/2016 WET

OVERTURNED
12/04/2015 DRY

ANIMAL
09/09/2017 DRY

REAR END
01/18/2018 ICE

SIDESWIPE OPPOSITE
01/19/2014

REAR END
09/14/2015 DRY

ANIMAL
09/19/2016 DRY

ANIMAL
05/19/2014 DRY

OVERTURNED
12/06/2018 DRY

OVERTURNED
07/20/2014 DRY

OVERTURNED
08/30/2014 DRY

FIXED OBJECT
01/11/2018 WET

FIXED OBJECT
08/11/2014 DRY

FIXED OBJECT
10/04/2014 WET

OVERTURNED
07/05/2015 DRY

FIXED OBJECT
08/11/2018 DRY

FIXED OBJECT
02/20/2015 DRY

FIXED OBJECT
11/28/2014 DRY

FIXED OBJECT
12/17/2015 DRY

OVERTURNED
04/08/2018 DRY

LEGEND:

STRAIGHT
STOPPED
UNKNOWN
BACKING
OVERTAKING
SIDESWIPE

PARKED
ERRATIC
OUT OF CONTROL
RIGHT TURN
LEFT TURN
U-TURN

PEDESTRIAN
BICYCLE
INJURY
FATALITY

FIXED OBJECTS:
GENERAL
SIGNAL
TREE
POLE
CURB
ANIMAL

PLANK ROAD @ WAUGHON ROAD

11 CRASHES

2014-2019



FIXED OBJECT
09/14/2018 DRY

FIXED OBJECT
07/23/2016 DRY

REAR END
12/24/2017 SNOW OR SLEET

REAR END
09/01/2017 DRY

REAR END
08/11/2014 DRY

TURNING
04/26/2016 WET

REAR END
08/18/2016 DRY

REAR END
05/19/2017 WET

REAR END
09/27/2019 WET

REAR END
02/14/2015 ICE

ANGLE
09/17/2015 DRY

LEGEND:

STRAIGHT
 STOPPED
 UNKNOWN
 BACKING
 OVERTAKING
 SIDESWIPE

PARKED
 ERRATIC
 OUT OF CONTROL
 RIGHT TURN
 LEFT TURN
 U-TURN

PEDESTRIAN
 BICYCLE
 INJURY
 FATALITY

FIXED OBJECTS:

GENERAL
 SIGNAL
 TREE
 POLE
 CURB
 ANIMAL

Exhibit 7

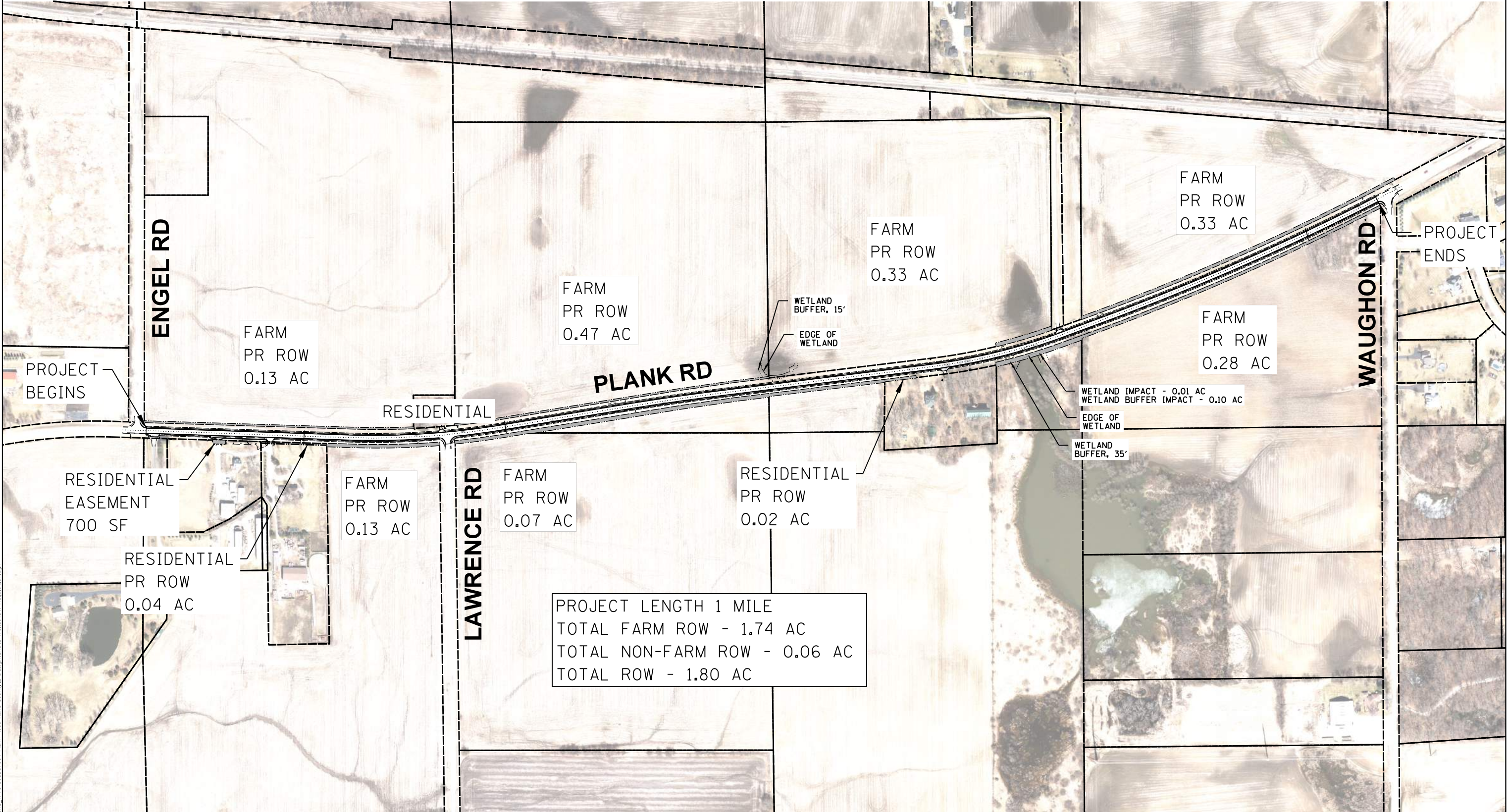
ROW Acquisition



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NOTE BOOK NO.			

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NOTE BOOK NO.			

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STATE OF ILLINOIS
DIVISION OF TRANSPORTATION

RIGHT-OF-WAY EXHIBIT
PLANK ROAD

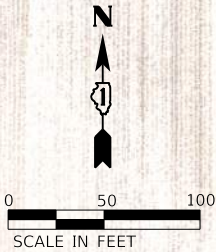
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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ENGEL RD

PROPOSED RIGHT OF WAY

EXISTING RIGHT OF WAY

PIN - 04-08-200-011
PROPOSED ROW - 0.13 AC

PLANK RD

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STATE OF ILLINOIS
DIVISION OF TRANSPORTATION

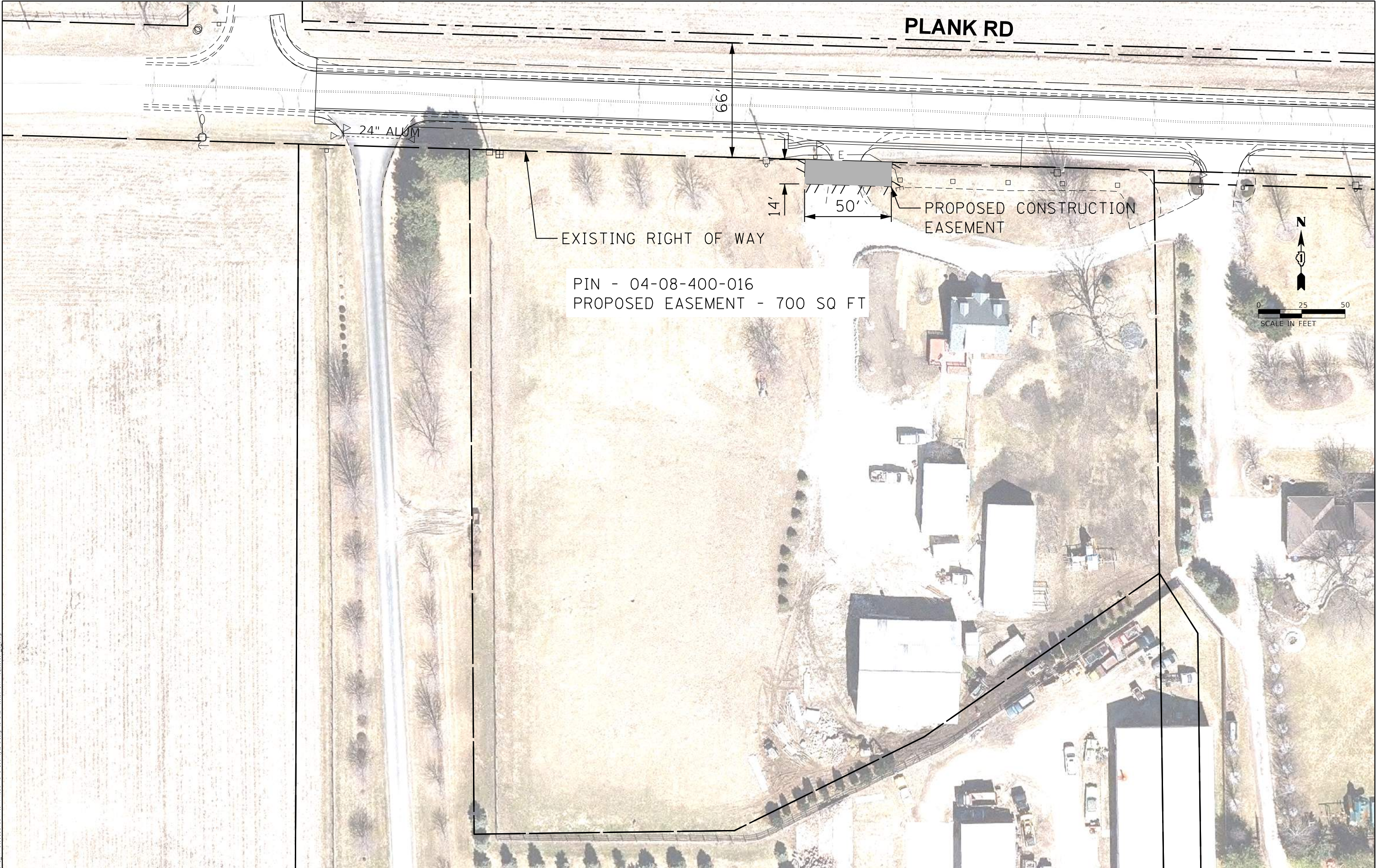
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	DATE -	REVISED -

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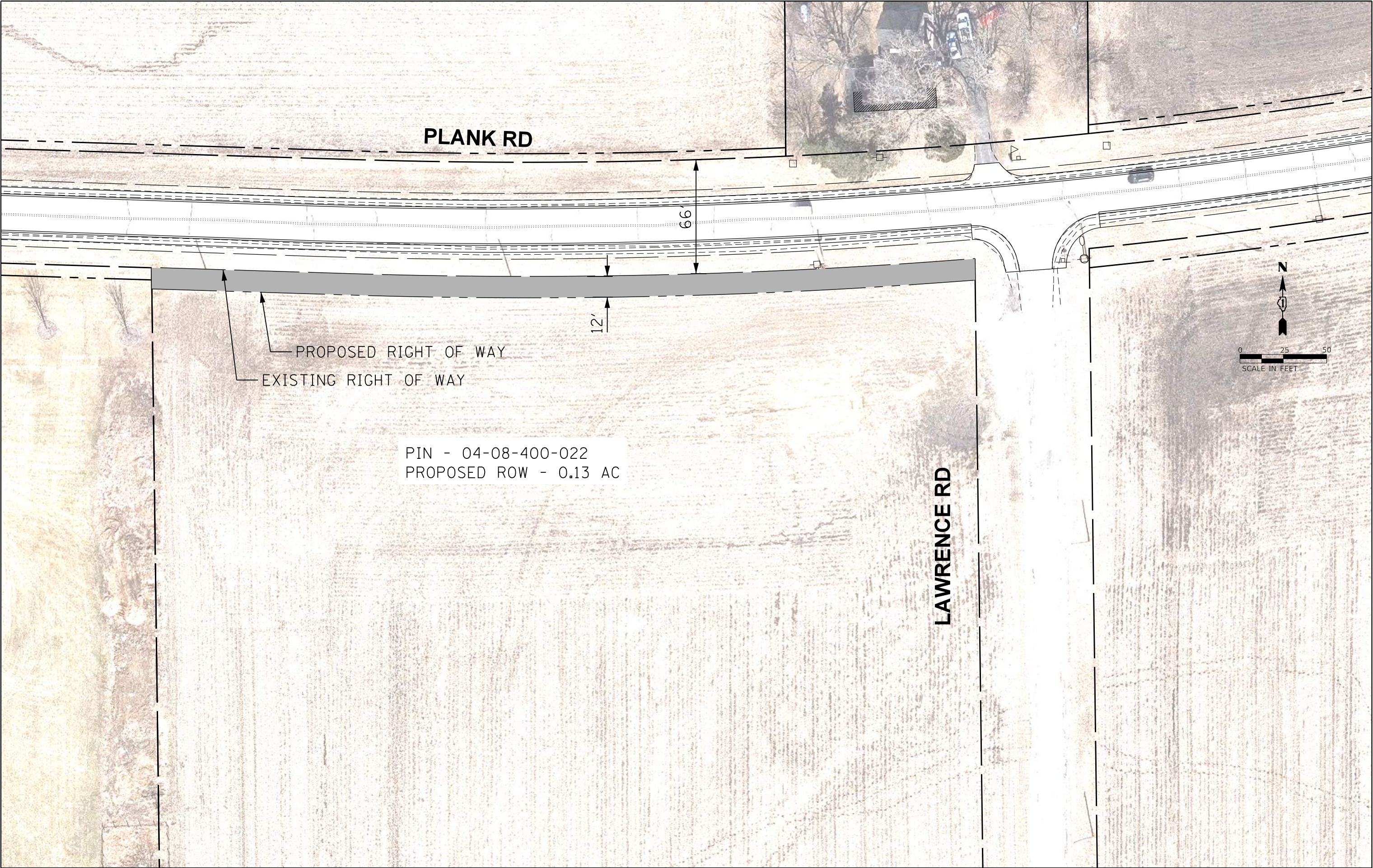
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STATE OF ILLINOIS
DIVISION OF TRANSPORTATION

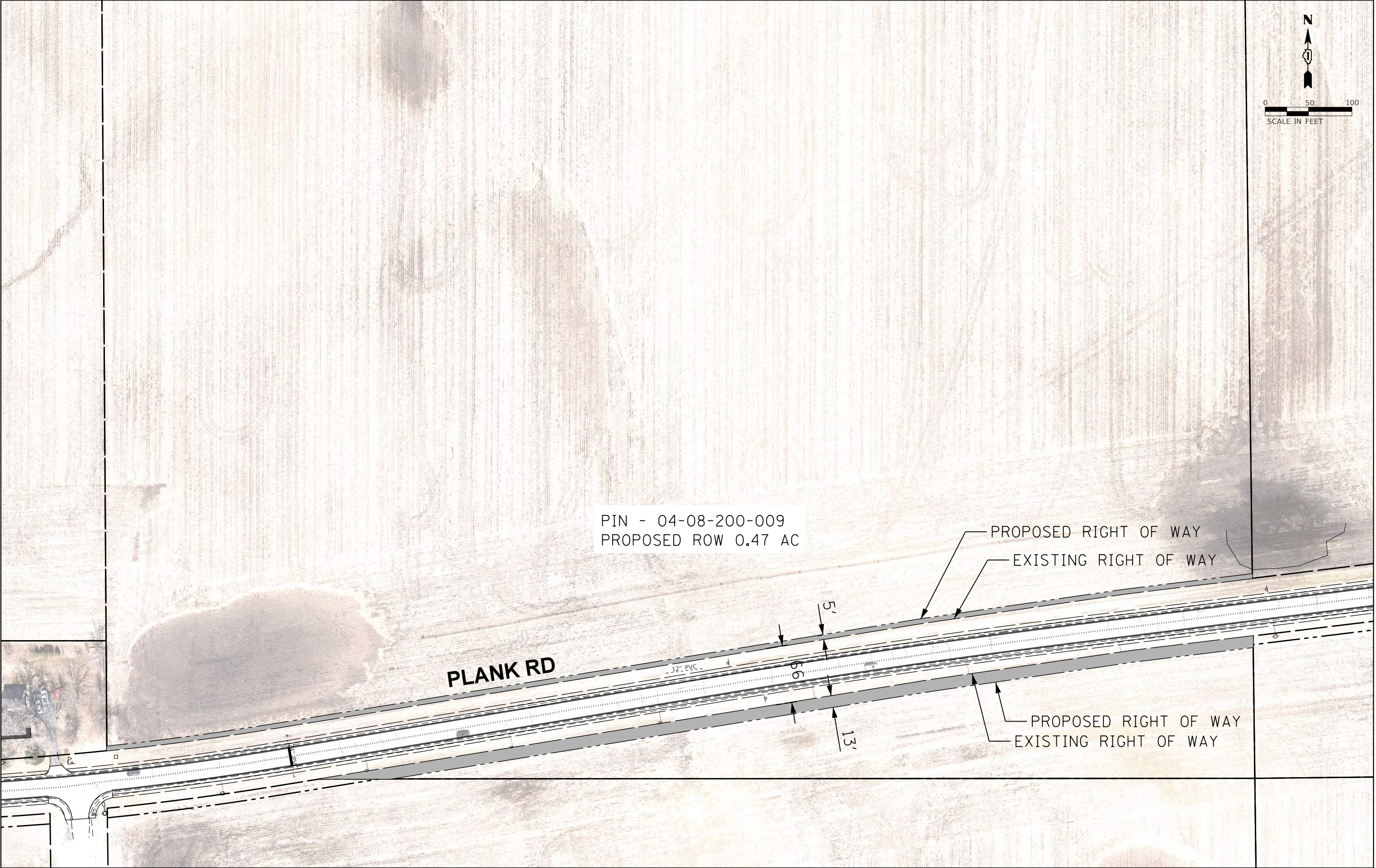
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STATE OF ILLINOIS
DIVISION OF TRANSPORTATION

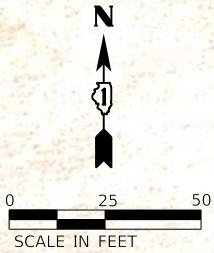
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PROPOSED ROW - 0.07 AC

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STATE OF ILLINOIS DIVISION OF TRANSPORTATION

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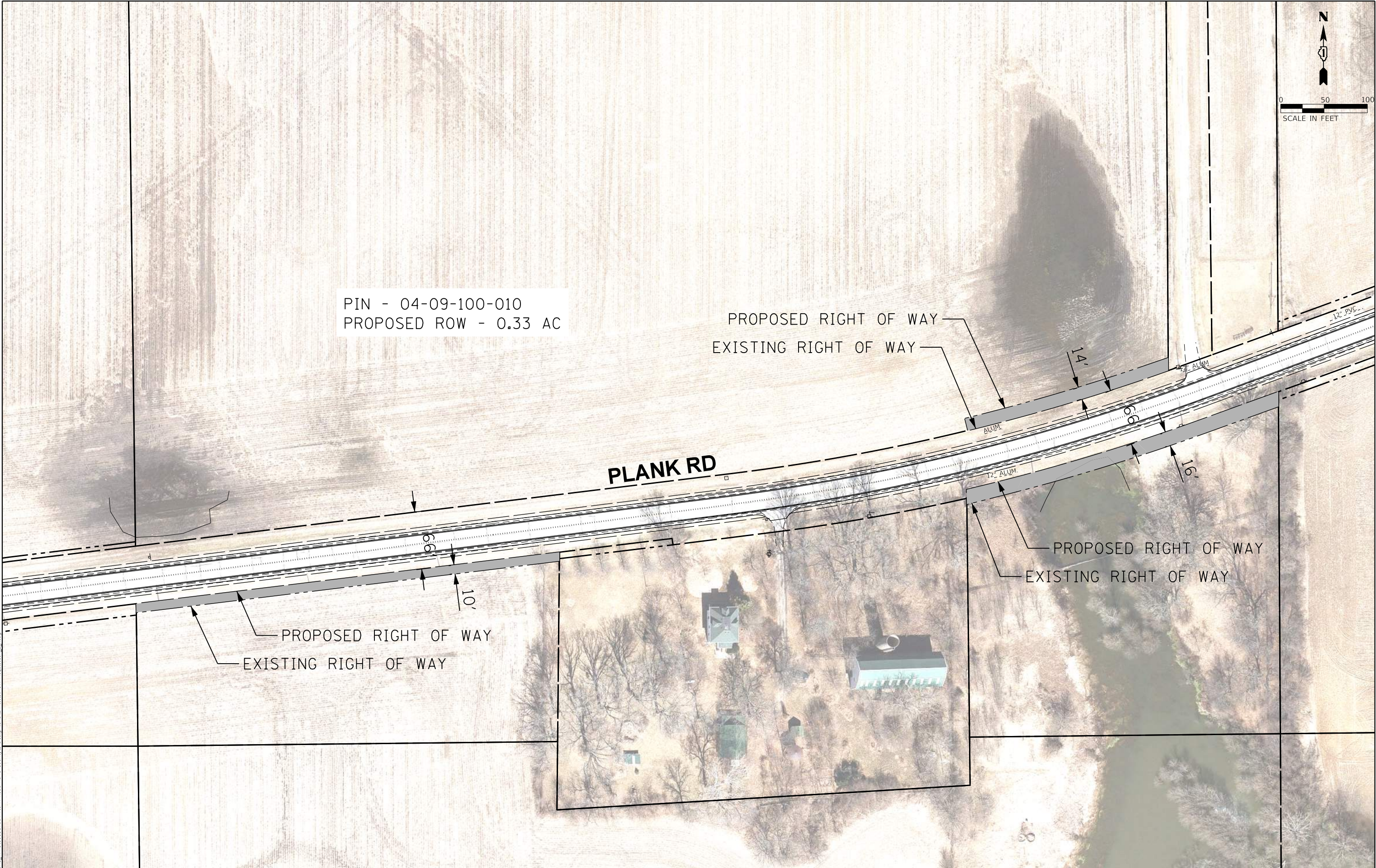
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STATE OF ILLINOIS
DIVISION OF TRANSPORTATION

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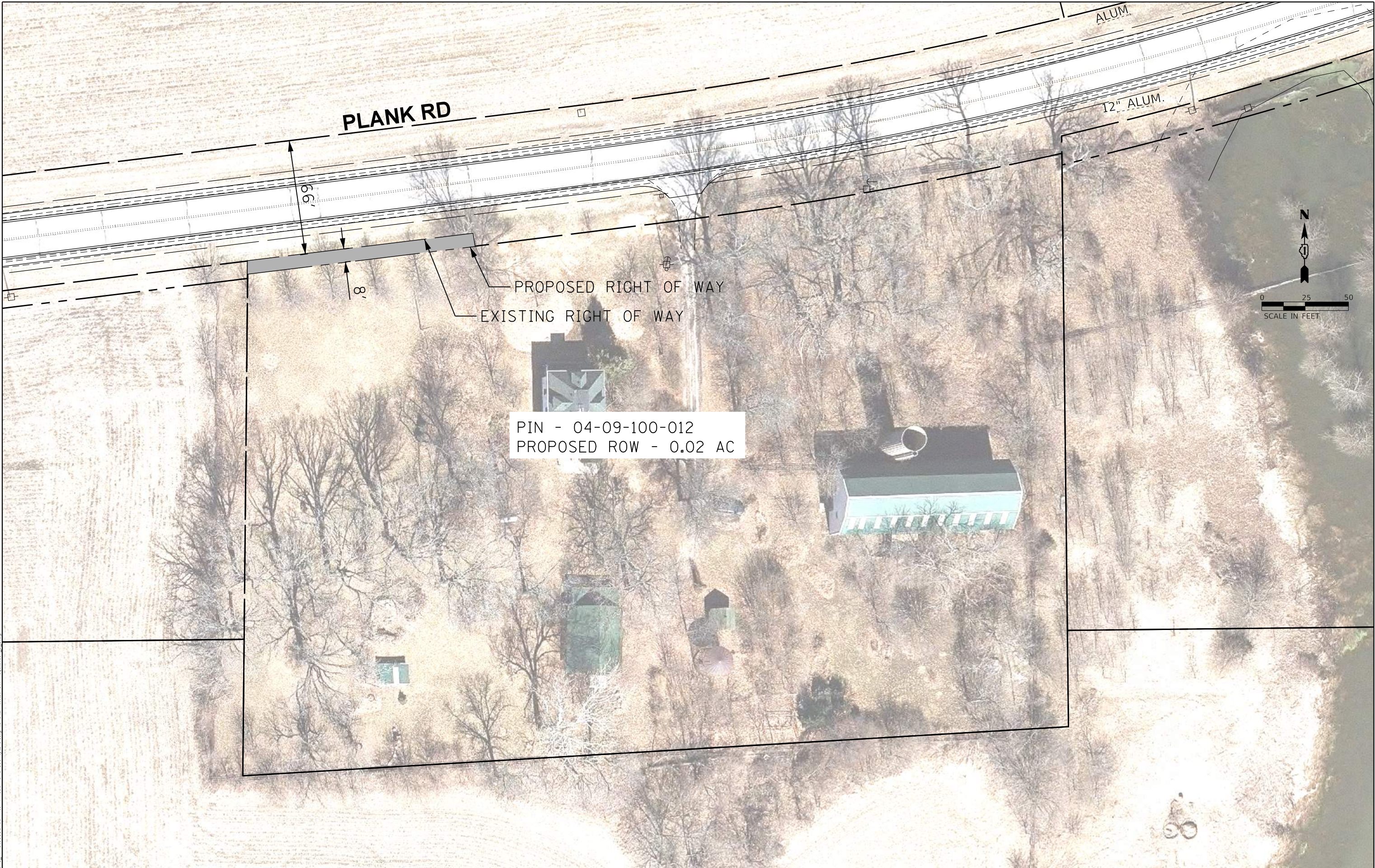
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ILLINOIS FED. AID PROJECT				



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STATE OF ILLINOIS DIVISION OF TRANSPORTATION

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F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STATE OF ILLINOIS
DIVISION OF TRANSPORTATION

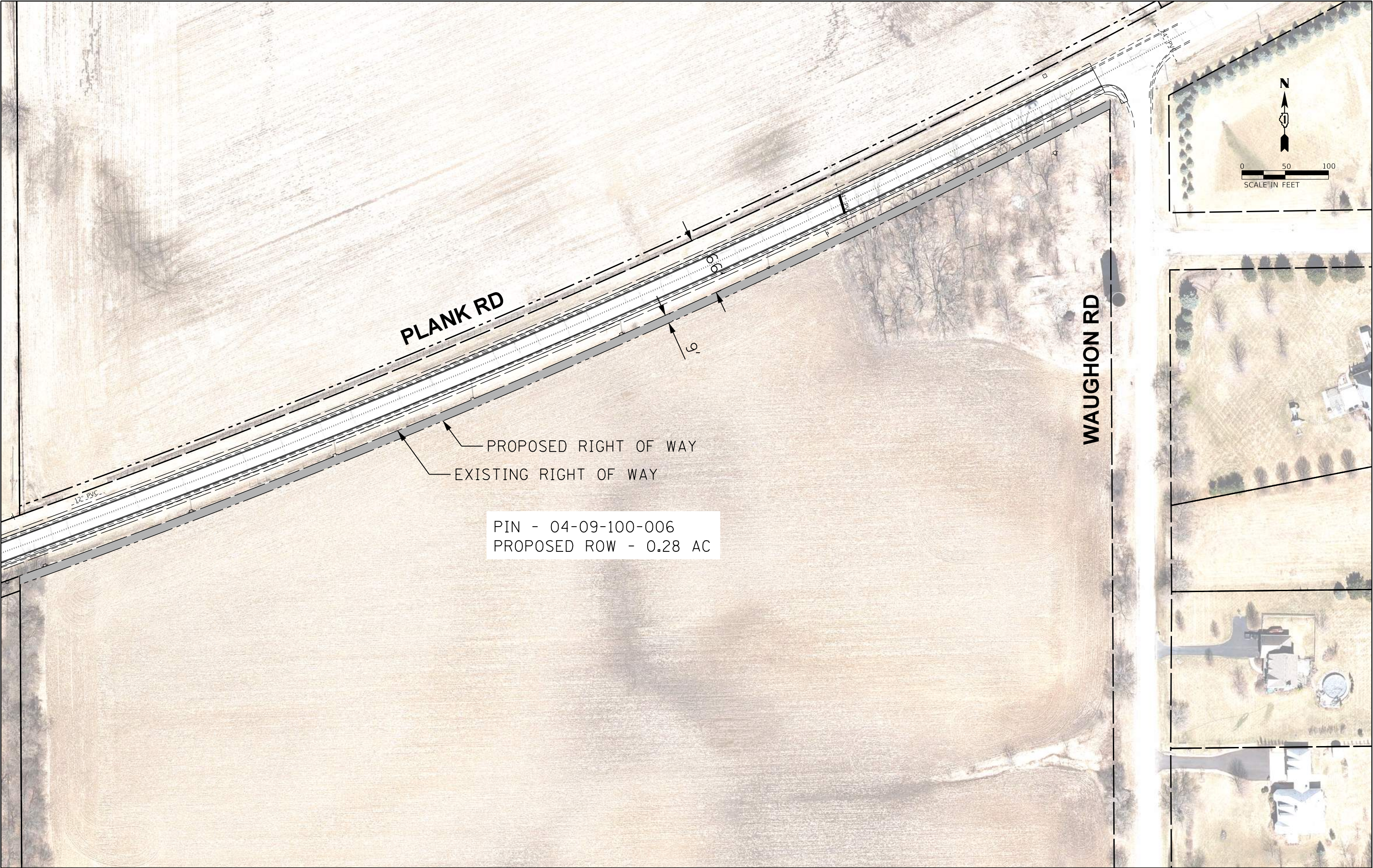
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ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
DIVISION OF TRANSPORTATION

RIGHT-OF-WAY EXHIBIT PLANK ROAD			
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1119	19-00524-00-SP	KANE	1	
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

Exhibit 8
Wetland Impact Exhibit



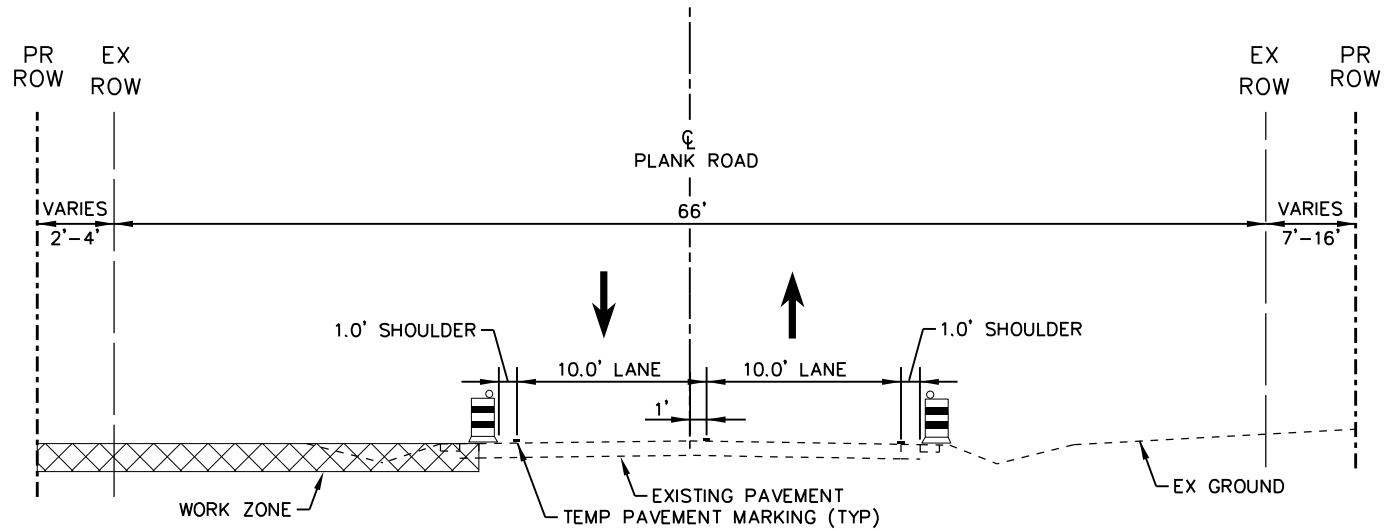
Exhibit 9

Maintenance of Traffic Typical Sections

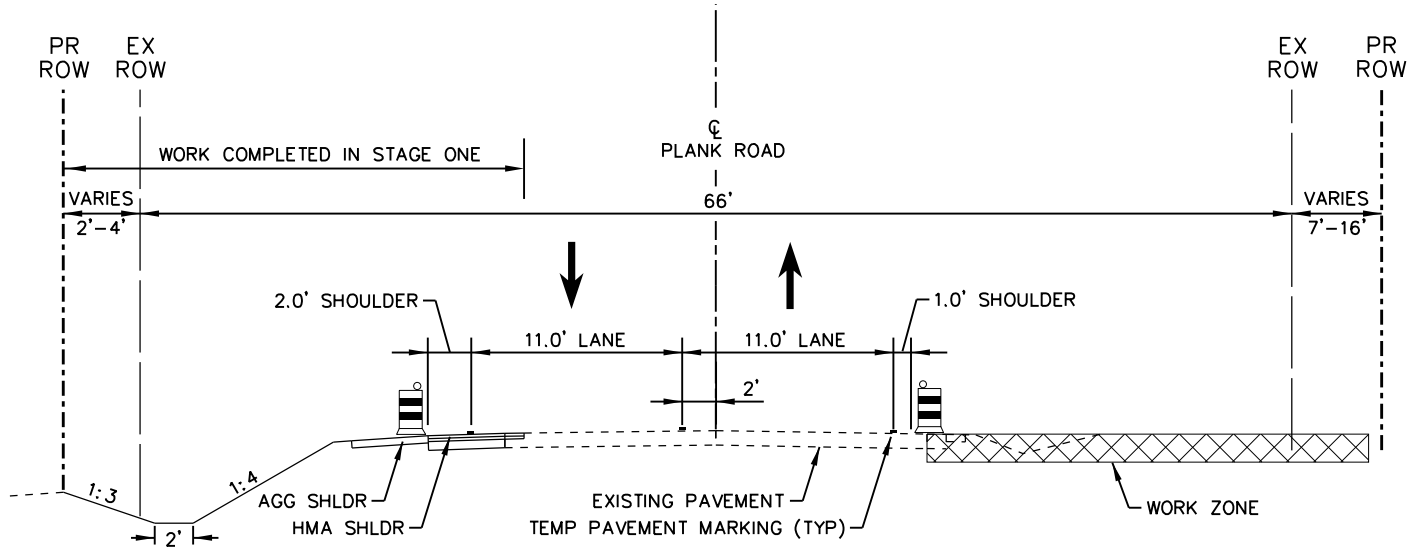
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STAGE ONE TYPICAL SECTION
PLANK ROAD
STA 11+00 TO STA 64+36.70



STAGE 2 TYPICAL SECTION
PLANK ROAD
STA 11+00 TO STA 64+36.70

USER NAME = Lauren.Busansky	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2021	DATE -	REVISED -

STATE OF ILLINOIS
DIVISION OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLANK ROAD			
SCALE: NTS	SHEET	OF SHEETS	STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1119	19-00524-00-SP	KANE	1	
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

Appendices

- I. FHWA / IDOT Coordination
- II. Environmental Coordination
- III. Public Coordination
- IV. Utility Coordination

Appendix I

FHWA / IDOT Coordination

FHWA Coordination Meeting
Agenda Item #4

Plank Road
Section # 19-00524-00-SP
Kane County Division of Transportation

January 5, 2021

This was the first presentation for the Plank Road project. The purpose of the meeting is to request concurrence on the project termini, environmental processing, and public involvement. The project limits are Engel Road to the west and Waughon Road to the east. The project length is 1 mile and is HSIP funded.

Plank road is classified as a Minor arterial, with a speed limit of 55 mph and ADT of 8,200 vehicles per day. It is a two-lane roadway with a rural cross-section. The existing cross-section provides 11-foot lanes with 1-foot paved and 1-foot aggregate shoulders. The land use along the corridor is agricultural with farms on both sides of the road. There are a few parcels identified as residential use. Plank Road is under Kane County DOT jurisdiction. 3R design criteria is being used for the project. FHWA concurred with the logical termini for the project.

The goal of the project is to provide expanded shoulders, safety edge treatments, and inlaid wet reflective preformed white edge lines to increase safety for vehicles by reducing the risk of roadway departure. The enhanced shoulders will reduce this risk both for freely moving vehicles as well as vehicles attempting to avoid rear end collisions at intersections. Providing inlaid wet reflective preformed white edge lines will maintain high visibility of the edge of traveled way for a longer period of time. The proposed improvements were approved by IDOT Central Office.

IDOT asked why rumble strips were not considered. The County indicated rumble strips could be considered, but it would require a revision to the HSIP application, which has been approved by Central Office. IDOT also requested a review of the passing zone marking within the project limits.

Crash analysis was conducted for the HSIP application. From 2012-2016, there were 48 crashes along the segment of Plank Road with a heavy concentration of fixed object and rear end collisions. A substantial portion of the accidents involved roadway departures. Within the five-year period, 1 fatal crash, 1 Type A injury crash, 13 Type B injury crashes, and 3 Type C injury crashes occurred. The highest frequency of crashes was fixed object (22 crashes), rear end (9 crashes), and overturned vehicle (7 crashes).

The proposed cross-section according to the HSIP application maintains the 11-foot lanes and provides a 4-foot paved and 6-foot aggregate shoulder. The recommendation also includes inlaid wet reflective edge marking. IDOT indicated design criteria for total shoulder width is only 8 feet. County concurred that the proposed shoulder width can be reduced to 8 feet.

The improvements will require ROW acquisition from farm and non-farm properties. Based on the preliminary design, acquisition from seven farms for a total area of 2.4 acres and 0.06 acres from two residential properties is anticipated. The farm ROW acquisition is lower than 3.0 acres/mile and the conversion will result in minor impacts. Concurrence was requested on required farmland coordination with Illinois Department of Agricultural (IDOA). IDOT asked to review the BLR&S Manual. Additionally, IDOT BDE recommended

contacting the local farm bureau for Kane County to determine the quality of the farms and additional coordination.

Based on a wetland delineation completed on August 27, 2020, there are two isolated wetlands within the project limits. Site 1 is on the north side of Plank Road (FQI-0) and was not identified as high quality. It has a buffer of 15 feet. No impacts are anticipated to the wetlands or its buffer. Site 2 is south of Plank Road (FQI-2.04) and was not identified as high quality. It has a buffer of 35 feet. Impacts are anticipated to the wetland.

An Environmental Survey Request (ESR) was submitted for the project. Cultural clearance has been received. A PESA has been conducted and no RECs were identified within the project limits. The Wetland Impact Evaluation will be submitted for review to receive bio clearance. Following bio clearance, a formal environmental processing determination can be made, which is anticipated to be a Categorical Exclusion.

Public involvement includes direct coordination with properties affected. All properties have been informed of the project. IDOT and FHWA concurred that direct stakeholder coordination with the adjacent properties is acceptable for public involvement.

The meeting was adjourned.

January 5, 2021 FHWA & District 1- BLRS Coordination Meeting Attendance Roster

Local Agency: Kane County DOT

Section Number: 19-00524-00-SP

Agenda Item #: 4

- John Rogers, FHWA
- Chris Byars, FHWA
- Matt Fuller, FHWA
- Mike Kowalczyk, FHWA
- Irene Pantoja, FHWA

- George Tapas, IDOT Central Bureau of Local Roads & Streets (CBLRS)
- William Raffensperger, IDOT Central Bureau of Local Roads & Streets (CBLRS)

- John Sherrill, IDOT Central Bureau of Design & Environment (BDE)
- Dwayne Ferguson, IDOT Central Bureau of Design & Environment (BDE)

- Jason Salley, IDOT Dist. 1, Bureau of Programming (Geometrics Unit)

- Russell Pietrowiak, CMAP

- Kevin Stallworth, IDOT Dist. 1, BLRS (WebEx Administrator)
- Marilyn Solomon, IDOT Dist. 1, BLRS
- Moe Kawash, IDOT Dist. 1, BLRS

- Jackie Forbes, Kane County DOT
- Mike Zakosek, Kane County DOT
- Sagar Sonar, Kimley-Horn
- Emma Albers, Kimley-Horn

Project: Plank Rd, Engel Road to Waughn Road – Shoulder Widening
Kane County, Section No. 19-00524-00-SP, HSIP

Date: August 12, 2020

Location: Virtual – WebEx

Meeting Purpose: IDOT Kick-off

Attendees: Sagar Sonar, Mike Zakosek, Jackie Forbes, Marilyn Solomon, Jonathan Lloyd, and Mohammad Kawash

Notes By: Sagar Sonar

This was a kick-off meeting with Illinois Department of Transportation (IDOT). The purpose of the meeting was to introduce the project, discuss project limits, anticipated improvements, and review project schedule. A meeting agenda, project location map and milestone schedule were provided.

Project Background

- The Plank Road project extends from Engel Road at the west limits to Waughn Road at the east limits. The land use is primarily agricultural along the corridor.
- The project scope includes shoulder widening on both sides of Plank Road. Plank Road is under Kane County DOT jurisdiction.
- Plank Road is one-lane in each direction with 1-foot paved and aggregate shoulders.
- The purpose of the project is to improve safety for traffic.
- The project does not include state ROW.

Anticipated Improvements

- The improvements will include wider paved shoulder, wider aggregate shoulder and high-visibility pavement edge line marking.
- IDOT confirmed that 3R criteria can be used for the project.

Project Funding

- The project is funded by Highway Safety Improvement Program (HSIP) funds.
- The Project Program Information (PPI) form has been submitted to IDOT by the County for approval.
- IDOT indicated that the recommended improvements in the HSIP funding application must be implemented. Any changes in the project recommendations will require a review of the project by IDOT. IDOT BLR&S will coordinate the project to ensure it meets HSIP funding requirements.
- If the costs exceed the approved amount for HSIP funding and additional funding is required, the projects would need to be resubmitted to the Department for review to determine if additional HSIP funding can be approved.

Environmental Processing

- Kimley-Horn will submit an Environmental Survey Request (ESR) for processing.
- IDOT noted the following:
 - Note tree removals if anticipated.
 - Biological and Cultural clearance to be requested
 - Submit NWI map
 - Include correct section number in ESR form
 - Include aerial map
 - Include USGS map
 - Note ROW acquisition 'To be Determined'
 - No project pictures are required. Note Google Maps used.
 - The ESR review is anticipated to take six months
 - ESR submittal to be electronic, no paper submittal is required
- PESA will be completed by the local agency.
- IDOT concurred that the project can be processed as Categorical Exclusion-State with report. Form BLR 22211 could be used for the report.

Schedule

- Federal authorization deadline for HSIP federal funding is September 2022. For Plank Road, design approval is anticipated in September 2021 and proposed goal of August 2022 letting.
- The project could be presented at a FHWA/IDOT coordination meeting prior to the submittal of the draft Project Development Report (PDR). ROW acquisition is anticipated along Plank Road.
- A public meeting is not planned for the project. The project will be coordinated directly with adjacent stakeholder.

Discussion

- IDOT indicated that Marilyn and Mohammed should be copied on all emails.
- Kane County DOT and Section number should be included in all communication.

Distribution: All Attendees

Project: Plank Rd, Engel Road to Waughon Road – Shoulder Widening

Date: August 12, 2020

Location: Virtual – Teams

Meeting Purpose: IDOT Kick-off

Name	Agency	Email	Phone
Sagar Sonar	Kimley-Horn	sagar.sonar@kimley-horn.com	630.487.3469
Mike Zakosek	Kane County DOT	zakosekmike@co.kane.il.us	630.406.7346
Jackie Forbes	Kane County DOT	forbesjackie@co.kane.il.us	630.406.7346
Marilyn Solomon	IDOT	Marilyn.Solomon@illinois.gov	
Jonathan Lloyd	IDOT	Jonathan.Lloyd@illinois.gov	
Mo Kawash	IDOT	Mohammad.kawash@illinois.gov	

From: [Sonar, Sagar](#)
To: [Kawash, Mohammad](#)
Cc: [Jaltuch, Colleen](#); [Stanko, Jeff](#); [Solomon, Marilyn D](#); [Lloyd, Jonathan M.](#)
Subject: RE: Kane County; 19-00524-00-SP; Plank Rd; HSIP Coordinator Concurrence request
Date: Monday, December 20, 2021 7:11:00 AM
Attachments: [image001.png](#)

Hi Moe, Thanks for coordinating with Traffic and quick response.

Our current federal portion of project cost estimate is below the federal HSIP commitment of \$1,318,500.

Sincerely,

Sagar R. Sonar, P.E., PTOE -----

Kimley-Horn 4201 Winfield Road, Suite 600, Warrenville, IL 60555
Direct: 630 487 3469 | Mobile: 630 559 6370
Connect with us: [Twitter](#) | [LinkedIn](#) | [Facebook](#) | [Instagram](#) | [Kimley-Horn.com](#)
[Celebrating 11 years as one of FORTUNE's 100 Best Companies to Work For](#)

From: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>
Sent: Friday, December 17, 2021 7:46 AM
To: Sonar, Sagar <Sagar.Sonar@kimley-horn.com>
Cc: Jaltuch, Colleen <JaltuchColleen@co.kane.il.us>; Stanko, Jeff <Jeff.Stanko@kimley-horn.com>; Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>
Subject: FW: Kane County; 19-00524-00-SP; Plank Rd; HSIP Coordinator Concurrence request

Sagar,

Please see below.

Thanks,

Moe Kawash

Associate Field Engineer

Bureau of Local Roads & Streets

201 West Center Court

Schaumburg, IL 60196

☎: (847) 705-4205 Ext. 54205

: Mohammad.Kawash@illinois.gov



From: Lloyd, Jonathan M. <Jonathan.Lloyd@illinois.gov>
Sent: Friday, December 17, 2021 7:43 AM
To: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>
Cc: Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>
Subject: RE: Kane County; 19-00524-00-SP; Plank Rd; HSIP Coordinator Concurrence request

I have no comments. Have they done an updated cost estimate? Just curious in case they are above

their approved amount.

From: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>
Sent: Thursday, December 16, 2021 2:48 PM
To: Lloyd, Jonathan M. <Jonathan.Lloyd@illinois.gov>
Cc: Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>
Subject: FW: Kane County; 19-00524-00-SP; Plank Rd; HSIP Coordinator Concurrence request

Hi Jonathan,

Please see attached typical sections and P&P's as requested.

Please note that the schedule is very tight on this project. Anything that can be done to expediate the review would be much appreciated.

Also, please let us know if you want us to forward it to Lucie.

*Thank you,
Moe*

From: Sonar, Sagar <Sagar.Sonar@kimley-horn.com>
Sent: Monday, September 20, 2021 7:52 AM
To: Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>
Cc: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>; Jaltuch, Colleen <JaltuchColleen@co.kane.il.us>; Stanko, Jeff <Jeff.Stanko@kimley-horn.com>
Subject: [External] RE: Kane County; 19-00524-00-SP; Plank Rd; HSIP Coordinator Concurrence request

Hi Marilyn,

Please see attached for coordinating with Jonathan Lloyd, HSIP coordinator for concurrence. We have included the typical sections and P&P's. Let me know if there are any questions. Thank you.

<https://fileT.illinois.gov/filet/download.asp?key=MIMIT85qIfFI3rttRbWZnArDj8amIPF8>

Sincerely,

Sagar R. Sonar, P.E., PTOE -----

Kimley-Horn 4201 Winfield Road, Suite 600, Warrenville, IL 60555
Direct: 630 487 3469 | Mobile: 630 559 6370
Connect with us: [Twitter](#) | [LinkedIn](#) | [Facebook](#) | [Instagram](#) | Kimley-Horn.com
[Celebrating 11 years as one of FORTUNE's 100 Best Companies to Work For](#)

From: Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>
Sent: Thursday, January 21, 2021 12:18 PM
To: Raffensperger, William <William.Raffensperger@illinois.gov>; Sonar, Sagar <Sagar.Sonar@kimley-horn.com>
Cc: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>; 'Mike Zakosek'

From: [Kawash, Mohammad](#)
To: [Sonar, Sagar](#)
Cc: [Jaltuch, Colleen](#); [Stanko, Jeff](#); [Solomon, Marilyn D](#)
Subject: FW: Kane County; 19-00524-00-SP; Plank Rd; HSIP Coordinator Concurrence request
Date: Friday, December 17, 2021 7:46:11 AM
Attachments: [image001.png](#)

Sagar,

Please see below.

Thanks,

Moe Kawash

Associate Field Engineer

Bureau of Local Roads & Streets

201 West Center Court

Schaumburg, IL 60196

☎: (847) 705-4205 Ext. 54205

: Mohammad.Kawash@illinois.gov



From: Lloyd, Jonathan M. <Jonathan.Lloyd@illinois.gov>
Sent: Friday, December 17, 2021 7:43 AM
To: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>
Cc: Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>
Subject: RE: Kane County; 19-00524-00-SP; Plank Rd; HSIP Coordinator Concurrence request

I have no comments. Have they done an updated cost estimate? Just curious in case they are above their approved amount.

From: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>
Sent: Thursday, December 16, 2021 2:48 PM
To: Lloyd, Jonathan M. <Jonathan.Lloyd@illinois.gov>
Cc: Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>
Subject: FW: Kane County; 19-00524-00-SP; Plank Rd; HSIP Coordinator Concurrence request

Hi Jonathan,

Please see attached typical sections and P&P's as requested.

Please note that the schedule is very tight on this project. Anything that can be done to expediate the review would be much appreciated.

Also, please let us know if you want us to forward it to Lucie.

Thank you,

Moe

From: Sonar, Sagar <Sagar.Sonar@kimley-horn.com>
Sent: Monday, September 20, 2021 7:52 AM
To: Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>
Cc: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>; Jaltuch, Colleen <JaltuchColleen@co.kane.il.us>; Stanko, Jeff <Jeff.Stanko@kimley-horn.com>
Subject: [External] RE: Kane County; 19-00524-00-SP; Plank Rd; HSIP Coordinator Concurrence request

Hi Marilyn,

Please see attached for coordinating with Jonathan Lloyd, HSIP coordinator for concurrence. We have included the typical sections and P&P's. Let me know if there are any questions. Thank you.

<https://filet.illinois.gov/filet/download.asp?key=MIMIT85qIfI3rttRbWZnArDj8amIPF8>

Sincerely,

Sagar R. Sonar, P.E., PTOE -----

Kimley-Horn 4201 Winfield Road, Suite 600, Warrenville, IL 60555
Direct: 630 487 3469 | Mobile: 630 559 6370
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From: Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>
Sent: Thursday, January 21, 2021 12:18 PM
To: Raffensperger, William <William.Raffensperger@illinois.gov>; Sonar, Sagar <Sagar.Sonar@kimley-horn.com>
Cc: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>; 'Mike Zakosek' <zakosekmike@co.kane.il.us>; Forbes, Jackie <ForbesJackie@co.kane.il.us>
Subject: FW: Kane County; 19-00524-00-SP; Plank Rd; 1-5-2021 FHWA Coordination Meeting

Hi Sagar,

Please see below response from Jonathan Lloyd (D-1, Traffic) & Melinda Kos (CBLRS).

Hi Bill,

FYI. Please see the threads of email below for your reference. Also attached is the draft MM of 1-5-2021 FHWA Coord Mtg.

Thanks,

Marilyn (Mari) Solomon
847-705-4643

From: Solomon, Marilyn D
Sent: Thursday, January 21, 2021 9:15 AM

To: Lloyd, Jonathan M. <Jonathan.Lloyd@illinois.gov>; Kos, Melinda <Melinda.Kos@Illinois.gov>
Cc: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>; Seck, Bablibile S. <Bablibile.Seck@Illinois.gov>
Subject: RE: Kane County; 19-00524-00-SP; Plank Rd; 1-5-2021 FHWA Coordination Meeting

Hi Jon & Melinda,

Thank you for clarification. We will inform the County & their Consultant.

Thanks,
Marilyn (Mari) Solomon
847-705-4643

From: Lloyd, Jonathan M. <Jonathan.Lloyd@illinois.gov>
Sent: Thursday, January 21, 2021 8:18 AM
To: Kos, Melinda <Melinda.Kos@Illinois.gov>
Cc: Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>; Kawash, Mohammad <Mohammad.Kawash@illinois.gov>; Seck, Bablibile S. <Bablibile.Seck@Illinois.gov>
Subject: RE: Kane County; 19-00524-00-SP; Plank Rd; 1-5-2021 FHWA Coordination Meeting

That helps a lot. Thanks. Marilyn, please let the County know.

From: Kos, Melinda <Melinda.Kos@Illinois.gov>
Sent: Thursday, January 21, 2021 8:17 AM
To: Lloyd, Jonathan M. <Jonathan.Lloyd@illinois.gov>
Cc: Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>; Kawash, Mohammad <Mohammad.Kawash@illinois.gov>; Seck, Bablibile S. <Bablibile.Seck@Illinois.gov>
Subject: RE: Kane County; 19-00524-00-SP; Plank Rd; 1-5-2021 FHWA Coordination Meeting

Good Morning Jonathan,

The shoulder width was discussed at the time of the HSIP approval, and the Committee also concurred that the HSIP funding should only be used for 8' shoulders. The award letter (attached) states the HSIP funding is to be used for 8' shoulders as well so there is no need for Kane County to resubmit an HSIP application for 8' of shoulder. I hope this helps. Please let me know if you have any questions.

Stephane – FYI.

Thanks,

Melinda Kos

Rural, Bridge and Safety Programs Manager
Central Bureau of Local Roads and Streets

Melinda.Kos@illinois.gov

Working Remotely

From: Lloyd, Jonathan M. <Jonathan.Lloyd@illinois.gov>
Sent: Thursday, January 21, 2021 7:29 AM
To: Kos, Melinda <Melinda.Kos@Illinois.gov>
Cc: Solomon, Marilin D <Marilin.Solomon@illinois.gov>; Kawash, Mohammad <Mohammad.Kawash@illinois.gov>
Subject: FW: Kane County; 19-00524-00-SP; Plank Rd; 1-5-2021 FHWA Coordination Meeting

Dear Melinda,

Kane County has an approved Local HSIP project to install paved shoulders along Plank Rd. Please see the information below. It appears the County was questioned on the proposed 10' shoulder and it was recommended doing a standard 8' shoulder instead. Since the County was approved for 10' shoulder in the Local HSIP application, is a resubmittal necessary for the project? Given this is a minor change in shoulder width, it would have minimal impact on any safety performance. Please let me know your thoughts. Thank you.

Sincerely,

Jonathan M. Lloyd, P.E., R.S.P.

Traffic Studies Engineer
IDOT – District 1: Traffic Operations
847-705-4135

A goal we can all live with

Drive Zero Fatalities to a Reality

 Please consider the environment before printing this e-mail.

From: Sonar, Sagar <Sagar.Sonar@kimley-horn.com>
Sent: Wednesday, January 20, 2021 3:20 PM
To: Lloyd, Jonathan M. <Jonathan.Lloyd@illinois.gov>; Solomon, Marilin D <Marilin.Solomon@illinois.gov>
Cc: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>; 'Mike Zakosek' <zakosekmike@co.kane.il.us>; Forbes, Jackie <ForbesJackie@co.kane.il.us>
Subject: [External] RE: Kane County; 19-00524-00-SP; Plank Rd; 1-5-2021 FHWA Coordination Meeting

Dear Jonathan and Marilin,

We recently presented the Plank Rd, Engel Rd to Waughon Rd project at the FHWA coordination. The Plank Rd project involves shoulder widening as a countermeasure to address safety concerns. The project is HSIP funded.

FHWA and IDOT questioned the proposed 10-foot shoulder since IDOT design criteria requires 8-foot shoulders. The 10-foot shoulder presented were based on the approved HSIP application. The County would like to revise the proposed shoulders to 8 feet according to IDOT criteria. Please see attached typical section exhibit that shows the existing and proposed typical sections.

We would like to request concurrence from IDOT for the revision of the shoulder width. Let me know if you need additional information. Thank you.

Sincerely,

Sagar R. Sonar, P.E., PTOE -----

Kimley-Horn 4201 Winfield Road, Suite 600, Warrenville, IL 60555

Direct: 630 487 3469 | Mobile: 630 559 6370

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From: Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>

Sent: Friday, January 8, 2021 1:10 PM

To: Sonar, Sagar <Sagar.Sonar@kimley-horn.com>

Cc: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>; Albers, Emma <emma.albers@kimley-horn.com>; 'Mike Zakosek' <zakosekmike@co.kane.il.us>; Forbes, Jackie <ForbesJackie@co.kane.il.us>

Subject: RE: [External] RE: Kane County; 19-00524-00-SP; Plank Rd; 1-5-2021 FHWA Coordination Meeting

Hi Sagar,

Please see attached Template for Attendance Roster. Kindly fill-in blanks (delete the lines), add the PL, County & Consultants, etc. after Moe Kawash.

Please re-submit draft MM with Attendance Roster as one file (make sure your filename includes LA and section number).

Thanks,

Marilyn (Mari) Solomon

847-705-4643

From: Solomon, Marilyn D

Sent: Monday, December 28, 2020 12:58 PM

To: Sonar, Sagar <Sagar.Sonar@kimley-horn.com>

Cc: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>; Albers, Emma <emma.albers@kimley-horn.com>; 'Mike Zakosek' <zakosekmike@co.kane.il.us>; Forbes, Jackie <ForbesJackie@co.kane.il.us>

Subject: RE: [External] RE: Kane County; 19-00524-00-SP; Plank Rd; 1-5-2021 FHWA Coordination

From: [Skvarla, James D](#)
To: [Solomon, Marilyn D](#)
Cc: [Kawash, Mohammad](#)
Subject: RE: Kane County; Plank Rd, Section # 19-00524-00-SP-PMA Seq. #23482 , "Cleared for Design Approval": Draft PDR; Drainage Tech Memo
Importance: High

Marilyn

Based on the revised drainage memo and disposition of comments for the above-referenced project, we have no further comments.

James Skvarla, P.E.

OSEH Inc

Consultant to Bureau of Local Roads and Streets
Illinois Department of Transportation
201 West Center Court
Schaumburg, IL 60196
(847)705-4520

 Please consider the environment before printing this email

From: Sonar, Sagar <Sagar.Sonar@kimley-horn.com>
Sent: Thursday, November 18, 2021 9:02 AM
To: Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>; Skvarla, James D <James.Skvarla@illinois.gov>
Cc: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>; Duyar, Melissa <melissa.duyar@kimley-horn.com>; Jaltuch, Colleen <JaltuchColleen@co.kane.il.us>; Stanko, Jeff <Jeff.Stanko@kimley-horn.com>
Subject: [External] RE: Kane County; Plank Rd, Section # 19-00524-00-SP-PMA Seq. #23482 , 'Cleared for Design Approval': Draft PDR; Drainage Tech Memo

Hi Jim,

Please see attached revised drainage memo. We have also attached responses to comments and final meeting minutes. We are looking forward to your review and approval. We can then submit the final PDR for approval. Let us know if there are questions.

<https://fileT.illinois.gov/filet/download.asp?key=GkKINY3uKUZIhttrt64ilWWr03fagELFK>

Thank you.

Sincerely,

Sagar R. Sonar, P.E., PTOE -----

—
Kimley-Horn 4201 Winfield Road, Suite 600, Warrenville, IL 60555
Direct: 630 487 3469 | Mobile: 630 559 6370
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From: Sonar, Sagar
Sent: Friday, October 15, 2021 2:01 PM
To: Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>; Skvarla, James D <James.Skvarla@illinois.gov>
Cc: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>; Duyar, Melissa <melissa.duyar@kimley-horn.com>; Jaltuch, Colleen <jaltuchcolleen@co.kane.il.us>
Subject: RE: Kane County; Plank Rd, Section # 19-00524-00-SP-PMA Seq. #23482 , 'Cleared for Design Approval': Draft PDR; Drainage Tech Memo

Hi Marilyn,

Please see attached agenda for the Monday meeting. Thank you.

Sincerely,

Sagar R. Sonar, P.E., PTOE -----

—
Kimley-Horn 4201 Winfield Road, Suite 600, Warrenville, IL 60555
Direct: 630 487 3469 | Mobile: 630 559 6370
Connect with us: [Twitter](#) | [LinkedIn](#) | [Facebook](#) | [Instagram](#) | [Kimley-Horn.com](#)
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From: Solomon, Marilyn D <Marilyn.Solomon@illinois.gov>
Sent: Thursday, October 14, 2021 5:29 PM
To: Skvarla, James D <James.Skvarla@illinois.gov>
Cc: Kawash, Mohammad <Mohammad.Kawash@illinois.gov>; Duyar, Melissa <melissa.duyar@kimley-horn.com>; Jaltuch, Colleen <jaltuchcolleen@co.kane.il.us>; Sonar, Sagar <Sagar.Sonar@kimley-horn.com>
Subject: RE: Kane County; Plank Rd, Section # 19-00524-00-SP-PMA Seq. #23482 , 'Cleared for Design Approval': Draft PDR; Drainage Tech Memo

Hi Jim,

Thank you.

WebEx invite to follow.

Hi Sagar,

Please email us the Agenda by tomorrow.

Thanks,

Marilyn (Mari) Solomon

847-705-4643

Appendix II

Environmental Coordination

Project Overview

Submittal Date:	09/30/2020	Sequence No:	23482			
District:	1	Requesting Agency:	Local	Kane Co Hwys	Project Identifier:	
Contract #:		Job No.:				
Counties:	Kane					
Route:	FAS 1119	Marked:	CH 38			
Street:	Plank Road	Section:	19-00524-00-SP			
Municipality(ies):	West of Burlington	Project Length:	1.6093	km	1	miles
FromTo (At):	Engel Road to Waughon Road					
Quadrangle:	Hampshire	Township-Range-Section:	T41N R6E 8-9			
Survey Target Date:	04/01/2021	Anticipated Design Appr.:	09/03/2021	Anticipated Processing:	CE	
Funding:	<input checked="" type="checkbox"/> Federal	<input type="checkbox"/> State	<input type="checkbox"/> TBP	<input checked="" type="checkbox"/> MFT	<input type="checkbox"/> Local Non-MFT	

Consultant:							
PTB No.:		Item No.:		PTB Date:		Prequal Level:	

Sequence No:	23482		Biological	Wetlands	Cultural	Special Waste
Entered By			BDE	BDE	BDE	
Cleared for DA			5/6/2021	5/6/2021	10/20/2020	
Cleared for Letting			5/6/2021	5/6/2021	10/20/2020	
Resubmittal						
ResubmittalCleared						
Section:	19-00524-00-SP		Job No.:			
FromTo (At):	Engel Road to Waughon Road					

Notice of Intent	Project Initiation Ltr to FHWA	Public Info Meeting(s)		Notice of Availability		Public Hearing	Draft	ROD/FONSI
		1st	2nd	Draft	Final			
								Approved

Project Phase Comments:	
-------------------------	--



Illinois Department of Transportation

Memorandum

To: Bureau of Local Roads Attn: William Raffensperger
From: Jack Elston By: Brad Koldehoff
Subject: Cultural Resources - No Historic Properties Affected Clearance
Date: October 19, 2020

Kane County
FAS 1119, CH 38, Plank Road
West of Burlington
Sec. 19-00524-00-SP
Seq. 23482

For the above referenced undertaking, IDOT's qualified Cultural Resources staff hereby make a **"No Historic Properties Affected"** finding pursuant to Section 106 of the National Historic Preservation Act.

This finding concludes the Section 106 process in accordance with the stipulations of the Programmatic Agreement Regarding Section 106 Implementation for Federal-Aid Transportation Projects in the State of Illinois, executed March 6, 2018 by FHWA, Illinois SHPO, IDOT and the Advisory Council on Historic Preservation.

No further cultural resources coordination is required for this undertaking, unless design modifications or new information indicate that historic properties may be affected. After coordination with Local Roads any potential site impacts have been avoided. However, if archaeological sites cannot be avoided, then, additional coordination with my office is required.

A handwritten signature in black ink, reading "Brad Koldehoff".

Brad H. Koldehoff
Cultural Resources Unit Chief
Bureau of Design & Environment

BK:km



Illinois Department of Transportation

Memorandum

To: George A. Tapas Attn: Greg S. Lupton
From: Jack A. Elston By: Thomas C. Brooks
Subject: Natural Resources Review
Date: May 6, 2021

A handwritten signature in cursive script, likely belonging to Thomas C. Brooks.

Plank Road
Sec. 19-00524-00-SP
T41N/R6E/S 9
Seq. No.: 23482
Kane County

The proposed project involves widening and resurfacing of existing paved HMA shoulders and widening of existing aggregate shoulders on both sides of Plank Road from Engel Road to Waughon Road west of Burlington.

The project requires twelve acres of land acquisition. There will be no in stream work. There will be an unknown quantity of trees to be removed. The land cover in the vicinity of the project is rural.

Review for Illinois Endangered Species Protection and Illinois Natural Areas Preservation – Part 1075

The Illinois Natural Heritage Database contains no record of State-listed threatened or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves in the vicinity of the project. There is a record of state listed Blanding's turtle at least one mile west of the project. This species requires wetland complexes. The project area is mainly agricultural with two small wetlands. There is no habitat for this species and therefore no adverse effect to the turtle by the project. **Therefore, consultation under Part 1075 is terminated.**

This review for compliance with 17 Ill. Adm. Code Part 1075 is valid for two years unless new information becomes available that was not previously considered; the proposed improvement is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the proposed improvement has not been implemented within two years of the date of this memorandum, or any of the above listed conditions develop, a new review will be necessary.

Review for Illinois Interagency Wetland Policy Act – Part 1090

The proposed improvement was surveyed for wetlands. We reviewed the wetland survey report and the Wetlands Impact Evaluation form and approve both. There are two wetlands located within the ESR limits. There will be temporary impacts to one wetland totaling 0.0085 acres. There is no need for mitigation for temporary impacts. **Our review for compliance under Part 1090 is terminated.**

Review for Endangered Species Act - Section 7

The proposed improvement was reviewed in fulfillment of our obligation under Section 7(a)(2) of the Endangered Species Act. Our review included use of the US Fish and Wildlife Service's Information for Planning and Conservation (IPaC) web-based review tool. Through IPaC, an official species list was received and is saved to the project folder. The list contains the endangered, threatened, proposed and candidate species and proposed and designated critical habitat that may be present within or in the vicinity of the proposed improvement. The following species are listed in Kane County: Northern long-eared bat (NLEB) and Eastern prairie fringed orchid (EPFO). There is no Critical Habitat in the project vicinity. **Under 50 CFR 402.12(e), the accuracy of the species list is limited to 90 days.**

Northern long-eared bat

Northern long-eared bat suitable summer habitat consists of a wide variety of forested or wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees or snags ≥ 3 inches dbh that have exfoliating bark, cracks, crevices, or hollows) as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Individual trees may be considered suitable habitat when they exhibit characteristics of suitable roost trees and are within 1,000 feet of other forested or wooded habitat. Trees found in highly-developed urban areas (e.g., street trees, downtown areas) are extremely unlikely to be suitable NLEB habitat.

There will be an unknown quantity of trees removed as a result of this project. Land use in the project area is mainly agricultural. There are no records of maternity roost trees, maternity colonies or hibernacula in the vicinity of the project corridor.

We assessed the potential for adverse impacts to the NLEB in accordance with the Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-Eared Bat and Activities Excepted from Take Prohibitions and determined that the proposed improvement will have no effect to the NLEB.

Eastern prairie fringed orchid

Eastern prairie fringed orchid occurs in a wide variety of habitats, from mesic prairie to wetland communities such as sedge meadows, marsh edges and even bogs. It requires full sunlight for optimum growth and flowering, which restricts it to grass- and sedge-dominated plant communities. The substrate of the sites where it occurs ranges from neutral to mildly calcareous. Occasionally the orchid colonizes successional habitats or recolonizes previously occupied areas.

We evaluated the limits of the proposed improvement for the presence of potentially suitable EPFO habitat. Our evaluation included the use of EPFO guidance from the US Fish and Wildlife Service, Chicago Ecological Services Field Office. There are no impacted prairies or high-quality wetlands in the project corridor. We determined there would be no effect to EPFO from the proposed improvement.

Other Federally Listed Species

We cross-referenced the preferred habitat of each of the remaining listed species with our knowledge of the project area and determined that there are no suitable habitats present. We have determined that the proposed improvement will have no effect on any of the remaining listed species.

We have determined that the proposed improvement is not likely to jeopardize the continued existence of any endangered species or threatened species or result in the destruction or adverse modification of any critical habitat.

Should the proposed improvement be modified or new information indicate listed or proposed species may be affected, consultation or additional coordination should be initiated.

Attachment — USFWS species list

SDH



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Chicago Ecological Service Field Office
U.s. Fish And Wildlife Service Chicago Ecological Services Office
230 South Dearborn St., Suite 2938
Chicago, IL 60604-1507
Phone: (312) 485-9337 Fax:

<http://www.fws.gov/midwest/endangered/section7/s7process/7a2process.html>

In Reply Refer To:

May 06, 2021

Consultation Code: 03E13000-2021-SLI-0550

Event Code: 03E13000-2021-E-01270

Project Name: Plank Rd, Burlington, Kane Co, seq. 23482

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The attached species list identifies any federally threatened, endangered, proposed and candidate species that may occur within the boundary of your proposed project or may be affected by your proposed project. The list also includes designated critical habitat if present within your proposed project area or affected by your project. This list is provided to you as the initial step of the consultation process required under section 7(c) of the Endangered Species Act, also referred to as Section 7 Consultation.

Please note! For all **wind energy projects** and **projects that include installing towers that use guy wires or are over 200 feet in height**, please contact this field office directly for assistance, even if no federally listed plants, animals or critical habitat are present within your proposed project or may be affected by your proposed project.

For all other projects, continue the Section 7 Consultation process by going to our Section 7 Technical Assistance website at <http://www.fws.gov/midwest/endangered/section7/s7process/index.html>. If you are familiar with this website, you may want to go to Step 2 of the Section 7 Consultation process at <http://www.fws.gov/midwest/endangered/section7/s7process/step2.html>.

Under 50 CFR 402.12(e) (the regulations that implement Section 7 of the Endangered Species Act) the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally. You may verify the list by visiting the ECOS-IPaC website <http://ecos.fws.gov/ipac/> at regular intervals during project planning and implementation and completing the same process you used to receive the attached list. As an alternative, you may contact this Ecological Services Field Office for updates.

Although no longer protected under the Endangered Species Act, be aware that bald eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), as are golden eagles. Projects affecting these species may require measures to avoid harming eagles or may require a permit. If your project is near an eagle nest or winter roost area, see our Eagle Permits website at <http://www.fws.gov/midwest/midwestbird/EaglePermits/index.html> to help you determine if you can avoid impacting eagles or if a permit may be necessary.

We appreciate your concern for threatened and endangered species. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Chicago Ecological Service Field Office

U.s. Fish And Wildlife Service Chicago Ecological Services Office
230 South Dearborn St., Suite 2938
Chicago, IL 60604-1507
(312) 485-9337

Project Summary

Consultation Code: 03E13000-2021-SLI-0550

Event Code: 03E13000-2021-E-01270

Project Name: Plank Rd, Burlington, Kane Co, seq. 23482

Project Type: TRANSPORTATION

Project Description: The project involves widening and resurfacing of existing paved HMA shoulders and widening of existing aggregate shoulders on both sides of Plank Road. New ROW 12 ac, no instream work, unknown tree removal. Land use rural, wooded. Unknown construction date.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@42.04848,-88.56622124306713,14z>



Counties: Kane County, Illinois

Endangered Species Act Species

There is a total of 2 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 1 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Flowering Plants

NAME	STATUS
Eastern Prairie Fringed Orchid <i>Platanthera leucophaea</i> No critical habitat has been designated for this species. This species only needs to be considered under the following conditions: <ul style="list-style-type: none"> Follow the guidance provided at https://www.fws.gov/midwest/endangered/section7/s7process/plants/epfos7guide.html Species profile: https://ecos.fws.gov/ecp/species/601	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

PRELIMINARY ENVIRONMENTAL SITE ASSESSMENT

Plank Road Shoulder and Roadway Improvement Project
Kane County Division of Transportation, Kane County, Illinois



November 2020

Submitted By:



HAMPTON, LENZINI, AND RENWICK, INC.

GLOSSARY OF ACRONYMS

AST	Aboveground Storage Tank
BOL	Bureau of Land (IEPA)
ERS	Environmental Record Search
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
FOIA	Freedom of Information Act
HREC	Historical Recognized Environmental Condition
IDOT	Illinois Department of Transportation
IDNR	Illinois Department of Natural Resources
IEMA	Illinois Emergency Management Agency
IEPA	Illinois Environmental Protection Agency
ISGS	Illinois State Geological Survey
ISWS	Illinois State Water Survey
LUST	Leaking Underground Storage Tank
Manual	IDOT Local Roads Manual
NFR	No Further Remediation
NPL	National Priorities List
NRCS	Natural Resources Conservation Service
OSFM	Office of the State Fire Marshal
PESA	Preliminary Environmental Site Assessment
REC	Recognized Environmental Condition
ROW	Right-of-Way
TACO	Tiered Approach to Cleanup Objectives (IEPA)
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection
USGS	United States Geological Survey
UST	Underground Storage Tank

EXECUTIVE SUMMARY

This Preliminary Environmental Site Assessment (PESA) performed by Hampton, Lenzini and Renwick, Inc. (HLR) summarizes natural and manmade hazards that may be encountered for the proposed roadway and shoulder improvements along Plank Road between Engel Road and Vaughn Road. The project area is located within the Village of Burlington and unincorporated Kane County, Illinois. The project consists of shoulder improvement work along Plank Road. An on-site inspection was conducted on August 27, 2020.

This assessment has been prepared using historical and geological information including aerial photographs, U.S. Geological Survey historical topographic maps, regulatory file information from federal, state agencies, and interviews.

The specific methods used to conduct the assessment are contained in 1) ASTM Standards E1527-13, 2) A Manual for Conducting Preliminary Environmental Site Assessments for Illinois Department of Transportation Highway Projects (Erdmann et al., 2012), 3) Special Wastes Procedures for Local Highway Improvements (IDOT Local Roads Manual, July 22, 2004), and 4) "IDOT Bureau of Design and Environment Manual (BDE Manual), Section 27-3.03, December 2019).

A review of the available records (ESR Radius Report, Aerial Photographs, Historical Topographic Maps, City Directory), OSFM and IEPA website, past and present site use, adjacent land use, and on-site reconnaissance, has revealed no environmental conditions in vicinity of the improvement area.

There are no properties listed in the ERS search that would be considered an REC within the project area. The tables below list adjoining sites along the project for which RECs were identified for each address (Table 1); adjoining sites along the project for which only de minimis conditions were identified (Table 2); sites along the project for which no RECs or de minimis conditions were identified (Table 3); and sites adjoining but not on the project that were identified on environmental databases (Table 4).

Table 1. The following adjoining sites along the project were determined to contain RECs:

Site/Location	Map Label	REC(s), including de minimis	Regulatory Database(s)	Land Use
None	N/A	N/A	N/A	N/A

Table 2. The following adjoining sites along the project were determined for which only de minimis conditions were identified:

Location/Parcel #	Map Label	Land Use
None	N/A	N/A

Table 3. The following sites along the project were determined not to contain RECs or de minimis conditions:

Location	Map Label	Land Use
None	N/A	N/A

Table 4. The following additional sites, adjoining but not on the project, were identified on an environmental database:

Location/Parcel #	Map Label	Regulatory Database(s)	Land Use
Peterson Propane Co.	1	LUST-Closed-IL	Commercial
Dale Hermann's Auto Body	2	LUST-Open-IL	Commercial
Engel, Larry	3	LUST-Closed-IL	Commercial
Central Middle C.U.S.D. #301	4	LUST-Closed-IL	Commercial
Community Middle C.U.S.D. #301	4	LUST-Closed-IL	Commercial

There were no orphan sites listed in the ERS report. There are no floodplains, floodways and or wetlands mapped in the project area that could be considered potential natural hazards. However, there was one wetland found during the site reconnaissance that would be considered a potential natural hazard. Please refer to Figure 13.

After a review of all available information, there is an indication of the presence of regulated substances or involvement with natural hazards within or adjacent to the Plank Road project area. Therefore, this shoulder and roadway improvement project is categorized as "No Risk".

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1. Introduction

This Preliminary Environmental Site Assessment (PESA) performed by Hampton, Lenzini and Renwick, Inc. (HLR) summarizes natural and manmade hazards that may be encountered the proposed roadway and shoulder improvements along Plank Road between Engel Road and Waughon Road. The project area is located within the Village of Burlington and unincorporated Kane County, Illinois. The project consists of shoulder improvement work along Plank Road. Project limits are shown on Figure 1 in Appendix A. Photographic Documentation is included in Appendix B.

Manmade hazards have been identified, and other potential detriments or considerations have been listed as are suitable within the scope of this preliminary assessment. If new environmental information is received concerning this site within 90 days after report issuance, this report will be updated accordingly, and the information made part of the permanent file. If such information is considered to have significant impact on the findings of this report, the report will be corrected by addendum and resubmitted to the Kane County DOT.

This assessment has been prepared using historical and geological information including aerial photographs, U.S. Geological Survey historical topographic maps, plat maps, regulatory file information from federal, state agencies, and various other sources of information. An on-site inspection was conducted on August 27, 2020.

The specific methods used to conduct the assessment are contained in 1) ASTM Standards E1527-13, 2) A Manual for Conducting Preliminary Environmental Site Assessments for Illinois Department of Transportation Highway Projects (Erdmann et al., 2014), 3) Special Wastes Procedures for Local Highway Improvements (IDOT Local Roads Manual, July 22, 2004), and 4) "IDOT Bureau of Design and Environment Manual (BDE Manual)", Section 27-3.03, December 2019).

Recognized Environmental Condition (REC) as defined by ASTM E1527-13 is "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. "De Minimis" conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies are not RECs. The determination of whether an environmental condition is a REC or "De Minimis" lies with the environmental professional, and depends upon how the condition impacts the current or future use of the property.

Special Wastes Procedures for Local Highway Improvements (IDOT Local Roads Manual, 1996 defines four (4) PESA "risk findings" as follows:

A. "No risk" finding - After a review of all available information, there is no indication of the presence of regulated substances or involvement with natural hazards in the project area.

B. "Low risk" finding - Current or former land use may include a facility that treats, stores, disposes of, transports, or is otherwise involved with regulated substances. The project maybe located on a floodplain or has geologic materials conducive to movement during seismic activity. However, based on all available information, there is no reason to believe there would be any involvement with regulated substances of significant quantity. This is the lowest possible rating a gasoline station operating within current regulations could receive.

C. "Moderate risk" finding - After a review of all available information, indications are found that identify a potential for soil or water contamination or other environmental hazard; however, the hazard was not verified by local agency testing. The area could have a long history of industrial or commercial use, or a Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) or leaking underground storage tank (LUST) site may be present along the project ROW.

This is the lowest possible rating if anticipated construction intersects an underground storage tank (UST) site.

D. “High risk” finding - A high risk is based on the presence of potentially hazardous compounds, either as detected by local agency testing or as documented by the Illinois Environmental Protection Agency (Illinois EPA). The specific presence and levels of regulated substances, to the extent that they are known, will be incorporated in the report. Further investigation may be needed to determine the nature, source, and extent of the problem.

The most recent way of defining “PESA findings” is included in the IDOT Bureau of Design and Environment Manual, December 2019 as follows:

1. No “Recognized Environmental Condition” (REC) Finding. If the PESA report indicates that the property(ies) investigated within the project limits have no RECs (other than de minimis), the district shall document this finding in the environmental documentation for the project. The documentation should be a copy of the memorandum from BDE transmitting the PESA report. The PESA report should not be included. The district need not take any further action regarding property(ies) that do not contain any REC unless a re-evaluation for regulated substances becomes necessary (see Section 27-3.09) or a previously unidentified property is encountered. If such a property is encountered, work affecting the property should immediately cease until the district, in consultation with BDE, the Central Bureau of Construction, and the Office of Chief Counsel, has assessed the situation and determined an appropriate course of action.

2. “Recognized Environmental Condition” (REC) Finding. If the PESA report indicates that the property(ies) investigated within the project limits has a REC, BDE will consult with the Office of Chief Counsel in developing conditions for non-routine situations. BDE will forward the property(ies) with a REC to the district Bureau of Program Development/Environmental Unit via a PESA review Transmittal Memorandum and will send a copy of the correspondence to the district Land Acquisition Engineer, the Central Bureau of Land Acquisition, if requested, BDE Project Control and Implementation Section, and the Office of Chief Counsel for their respective action.

The district shall prepare and submit to BDE a PESA Response with supporting documentation indicating the project will or will not avoid the property(ies) with a REC or the project will not avoid the property(ies) with a REC. The PESA Response shall be sent to BDE after the PESA is reviewed by the district; it does not necessarily have to include the PSI Work Order request, for example, if avoidance is possible.

a. Avoidance Possible. If the district determines the project can avoid the purchase of additional right-of-way/easement from any property containing a REC and any excavation or subsurface utility relocation adjacent to property containing a REC, it shall indicate this on the PESA Response form and send it to BDE. The district also shall provide a copy of the completed PESA Response form to the Central Bureau of Land Acquisition. The district shall retain a copy of the PESA Response form in the project file and includes it in the environmental documentation for the project. The district should not take any further action regarding properties containing a REC that were avoided unless a validation of the regulated substances results becomes necessary; see Section 27-3.09.

b. Avoidance Not Possible. If the district cannot avoid the purchase of additional right-of-way/easement from any property containing a REC or avoid any excavation or subsurface utility relocation adjacent to property containing a REC, it shall indicate this on BDE 3735 PESA Response / PSI Work Order form and send it to BDE. This process requests BDE to initiate the services of the Statewide Regulated Substances Investigation Consultant to perform a PSI to determine the nature and extent of contamination (i.e., above or below the cleanup objectives). Additionally, the district shall provide a copy of BDE 2735 to the Central Bureau of Land Acquisition, if requested.

2. Background

2.1 Street Improvement Projects Setting and Topography

The proposed shoulder improvements along Plank Road occur between Engel Road and Waughon Road. The project area is located within the Village of Burlington and unincorporated Kane County, Kane County, Illinois. (42.047754, -88.567757). Please refer to Figure 1 in Appendix A, and Photograph Log in Appendix B.

On the USGS 7.5-Minute Hampshire, Illinois Quad Range Map, the Plank Road project is located within Burlington Township, Township 41 North, Range 6 East, Section 8 and 9. The topography of Plank Road site is gently sloping toward the western project limits with a range of elevation of 950-900 feet above mean sea level (MSL). Please refer to Figure 2 in Appendix A.

2.2 Surrounding Land Uses

The areas directly adjacent to the Plank Road project is farmland, residential and open space. The residential area is along the southwest section of the project limits, the farmlands are spread along most of the project limits, and the open space is along the southeast portion. A railroad is located just outside the project area, on the eastern edge.

3. Geology

3.1 Soils

Based on the Kane County soil survey, Figures 3A and 3B, the following soil mapping units are shown within the proposed project area:

- Bowes silt loam, 4 to 6 percent slopes, eroded (792C2)
- Danabrook silt loam, 2 to 5 percent slopes (512B)
- Drummer silty clay loam, 0 to 2 percent slopes (152A)
- Elpaso silty clay loam, 0 to 2 percent slopes (356A)
- Fox silt loam, 2 to 4 percent slopes (327B)
- Herbert silt loam, 0 to 2 percent slopes (62A)
- Kidami silt loam, 2 to 4 percent slopes (527B)
- Kidami loam, 4 to 6 percent slopes, eroded (527C2)
- Octagon silt loam, 2 to 4 percent slopes (656B)
- Wingate silt loam, cool mesic, 2 to 5 percent slopes (348B)

The Bowes series consists of well drained soils on outwash plains and stream terraces. They formed in loess or other silty material and the underlying loamy and gravelly outwash. Permeability is moderate. The Danabrook series consists of moderately well drained soils formed in loess or other silty material and the underlying till. These soils are on ground moraines and end moraines. Permeability is moderate. The Drummer series consists of very deep, poorly drained soils formed in loess or silty material and the underlying outwash. These soils are on outwash plains and ground moraines. The permeability is moderate. The Elpaso series consists of poorly drained soils that formed in loess or silty material and the underlying till. These soils are on ground moraines and end moraines. They are moderately permeable. The Fox series consists of very deep, well drained soils formed in the thin mantle of loess or other silty material and in the underlying loamy glaciofluvial deposits over sandy and gravelly glaciofluvial deposits. These soils are on outwash plains, end moraines and kames. They are moderately permeable. The Herbert series consists of very deep, somewhat poorly drained soils formed in loess or silty material and the underlying till. These soils are on ground moraines and end moraines. They are moderately permeable. The Kidami series consists of

very deep, moderately well drained soils formed in the thin mantle of loess or other silty material and the underlying till. These soils are on ground moraines and end moraines. They are moderately permeable. The Octagon series consists of very deep, moderately well drained soils formed in the thin mantle of loess or other silty material and the underlying till. These soils are on ground moraines and end moraines. They are moderately permeable. The Wingate series consists of very deep, moderately well drained soils formed in loess or other silty material and the underlying till. These soils are on ground moraines and end moraines. They are moderately permeable. Of the above listed soils, two are considered hydric; Drummer and Elpaso. Bowes, Danabrook, Fox, Kidami, Octagon, and Wingate, are prime farmland in Kane County. Drummer, Elpaso, and Herbert are considered prime farmland in Kane County where drained.

3.2 *Surficial Geology*

The surficial geology was reviewed with the *Stack-Unit Map of Geologic Materials in Illinois to a Depth of 15 Meters* (Berg and Kempton, 1988). The Stack-Unit Map for the Plank Road project, as shown on Figure 4, indicates there are two varying sections of geologic material in the project area. The first of these sections is a Wedron formation, loam and sand diamictons, non-lithified and semi-lithified elements greater than six meters thick. The second section is mix of the Wedron formation with loam and sand diamictons and Equality Formation, Carmi Member, non-lithified and semi-lithified elements greater than six meters thick.

Thickness of Glacial Drifts in Illinois (Piskin and Bergstrom, 1975) was reviewed to determine the characteristics of all project areas. This map, as shown on Figure 5, indicates that the quaternary soils thickness is 100 to 200 feet for Plank Road.

3.3 *Bedrock Geology*

The drift is underlain by the upper units of bedrock, Ordovician-Maquoketa formations, as presented in the Bedrock Geologic of Illinois Map (1976). Please refer to Figure 6.

Buried Bedrock Surface of Illinois (Herzog et al. 1994), as shown on Figure 7, indicates elevation of the bedrock surface for Plank Road between 800 to 750 feet above mean sea level (MSL).

3.4 *Hydrogeology*

Generally, groundwater flows in the shallow, unconsolidated materials toward the surface bodies of water. The nearest surface water is Cook Creek, which is approximately 1.6 miles west along Plank Road. Therefore, the suggested general groundwater flow direction for Plank Road is west.

Potential for Contamination of Shallow Aquifers from Land Burial of Municipal Waste (Berg et al. 1984), as shown on Figure 8, in Appendix A, assigns “C5” and “D” codes for the Plank Road project area. C5 is described as “Fine-grained materials with discontinuous sand and gravel locally present within 50 feet of land surface” and D is described as “Uniform, relatively impermeable sandy till at least 50 feet thick; no evidence of interbedded sand and gravel”. Codes C5 and D indicate a low potential of groundwater contamination.

3.5 *Well Log Information*

ISGS Well Boring Locations are located near or adjacent to the Plank Road project area. Information on the public and private water supply wells and construction was provided by the ISGS, ISWS (Private Water Wells) and IEPA - Bureau of Water (SWAP database). Locations

of private wells are depicted on Figure 9 in Appendix A. There are four wells relatively close to the project area; all four wells are mapped as ISGS Well Boring Locations.

4. Discussion/Historical Information

4.1 *Historical Aerial Photographs*

Historical aerials for the project area was reviewed for the years 1939, 1953, 1972, 1981, 1998, 2005, 2011 and 2018. The ERS Aerial Photo Decade Package is presented in Appendix C.

Plank Road: based on historical aerial photographs, Plank Road was constructed between before 1939. Most of the surrounding area is farmland and the two residential properties noted during the site visit are observed in the 1938 aerial.

<u>Year</u>	<u>Notes</u>
1939	Mainly farmland. The Railroad is seen east of the project area. The residential properties along the south side of Plank Road are noted. All connecting streets appear on the aerial.
1953	Some trees along the western edge off the project area appear to have been cleared.
1972	More trees were cleared along the western edge of the project area.
1981	Development noted northwest of the project area.
1998	Land disturbance noted near the southeast corner of the project area.
2005	Development noted near the southeast corner of the project area.
2011	No changes noted from the 2005 aerial.
2018	Pond noted along the south side of Plank Road; within the eastern half.

4.2 *Historical Topographic Maps*

Historical topographic maps for the project area were reviewed for the years 1938, 1970, 1991, and 2018. The ERS Historical Topo Map Reports is provided in Appendix C.

Plank Road: based on historical topographic maps, Plank Road was constructed before 1938.

<u>Year</u>	<u>Notes</u>
1938	Area was largely undeveloped except for a few residents along Plank Road. All connecting roads appear to have been built.
1970	Updated map, no major changes noted from the 1938 map.
1991	No major changes noted from the 1970 map.
2018	Roadway associated with the development noted on the aerials, in the southeast corner, is present. No other major changes noted.

4.3 **Natural Hazards**

The National Wetland Inventory (NWI) Map (Figure 10, Appendix A) indicates no wetlands within the project area.

There are no floodplains or floodways within or adjacent to the project area, as shown in Figure 11, Appendix A.

The project area is categorized as low seismic risk.

5. **Findings**

5.1 **Sites Listed in ERS Report and OSFM Database**

Plank Road: Four (4) sites were listed in the ERS Radius Map (Appendix C), all of the sites were evaluated because they were all within 0.50 miles from the project. One railroad, directly adjacent to the project area, along the eastern edge was also evaluated. Locations of the evaluated sites are shown on Figure 12 in Appendix A.

Database	Number on Figure 11B	Site	Address	Location/ Distance from Project Area (miles)
LUST-Closed-IL	1	Petersen Propane Co.	125 Plank Road	0.42 NE
LUST-Open-IL	2	Dale Hermann's Auto Body	175 East Center St.	0.45 E
LUST-Closed-IL	3	Engel, Larry	155 West Center	0.46 E
LUST-Closed-IL	4	Central Middle C.U.S.D. #301 and Community Middle C.U.S.D. #301	44W303 Plato Rd.	0.48 E

5.2 **Further Evaluated Sites**

5.2.1. **125 Plank Road**

LUST-Closed-IL: Located at this address is Petersen Propane Co. The site is 0.42 miles northeast of the project area. This listing is associated with a leaking underground storage tank and is closed. Three tanks were listed at this site including two 5,000 gasoline tanks and one 500 gallon used oil tank; all have been removed as of 11/10/1992. The product released is listed as gasoline and was reported on 11/10/1992. An NFR letter is dated 9/12/2012. No barriers or institutional controls were put into place.

Based on the distance from the project area, database information, and site investigation, this site **does not** present an REC.

5.2.2. **175 East Center Street**

LUST-Open-IL: Located at this address is Dale Hermann's Auto Body. The site is 0.45 miles east of the project area. This listing is associated with a leaking underground storage tank and

is Open. The Illinois State Fire Marshall website lists: one 500 gallon gasoline tank. The status is pre-1974 and the regulated status is exempt. Another 500 gallon tank is listed with no product information and has been removed. The product released is listed as gasoline and was reported on 9/10/1998. A NonLust Date is dated 2/22/1999 and an NFR Rescission Date is dated 2/22/1999.

Based on the location, database information, and site investigation, this site **does not** present an REC.

5.2.3. 155 West Center

LUST-Closed-IL: Located at this address is Engel, Larry. The site is 0.46 miles east of the project area. This listing is associated with a leaking underground storage tank and is closed. The product released is listed as gasoline and was reported on 2/28/1990. An NFA letter is dated 12/17/2009. NFR recorded date is not reported. No barriers or institutional controls were put into place.

Based on the location, database information, and site investigation, this site **does not** present an REC.

5.2.4. 44W303 Plato Rd Central Middle C.U.S.D. #301 and Community Middle C.U.S.D. #301

LUST-Closed-IL: Located at this address is Central Middle C.U.S.D. #301 and Community Middle C.U.S.D. #301. The site is 0.48 miles east of the project area. However, after looking up this address it appears this site was not mapped correctly and is 5 miles southeast of the project area. This listing is associated with two leaking underground storage tank listings and both are closed. The product released for Central Middle C.U.S.D. and Community Middle C.U.S.D. is gasoline and was reported on 7/21/1997. An NFR letter is dated 9/21/1998. No barriers or institutional controls were put into place.

Based on the location, database information, and site investigation, this site **does not** present an REC.

5.2.5. Canadian National Railroad

Railroad corridors are considered when looking for environmental concerns due their common contamination issues. The most common contamination found along rail corridors is residual contamination from railroad operations. The most commonly reported contaminants along rail corridors include arsenic, which was used as an herbicide to control weeds, metals and constituents of oil or fuel (petroleum products), which likely dripped from the rail cars as they passed over the corridor. Other possible contaminants include creosote used to preserve wood ties, coal ash from engines, and polynuclear aromatic hydrocarbons (PAHs) from diesel exhaust. Other potential concerns include railroad ties which are usually treated with chemicals such as creosote, roofing shingles (asbestos), air compressors, transformers, capacitors, and mercury from combustion products and leaking gauges. Railroad corridors typically present environmental concerns, but no obvious additional environmental concerns were noted upon site reconnaissance. This site runs through the project area.

Based on the location of the project area in relation to the railroad corridor, railroad is approximately 250' east and 150' feet north, this site **does not** present an REC.

6. Site Investigation

On August 27, 2020, a site investigation/inspection was conducted for Plank Road shoulder improvements between Engel Road and Waughon Road. The inspection was conducted to identify any existing areas that may represent any potential environmental concern. The inspection revealed the railroad directly adjacent to the eastern end of the project area. A Field Survey Checklist, and Photographs are included in Appendix B.

During the site investigation it was noted that residences and vegetation were present. There was no stressed vegetation observed within any of the project areas.

7. Conclusion

A review of the available records (ERS Radius Report, Aerial Photographs, Historical Topographic Maps, Hybrid Fire Insurance Maps, City Directory), OSFM and IEPA website, past and present site use, adjacent land use, and on-site reconnaissance, has revealed there are no environmental conditions in vicinity of the project area.

There were no orphan sites listed in the ERS report.

There are no mapped wetlands, floodplains, or floodways in the project area. However one wetland was noted along the south side of Plank Road, just east of 48W879 Plank Road, which would be considered a potential natural hazard.

After a review of all available information, there is an indication of the presence of regulated substances or involvement with natural hazards within or adjacent to the Plank Road project area. Therefore, these projects are categorized as “No Risk”.

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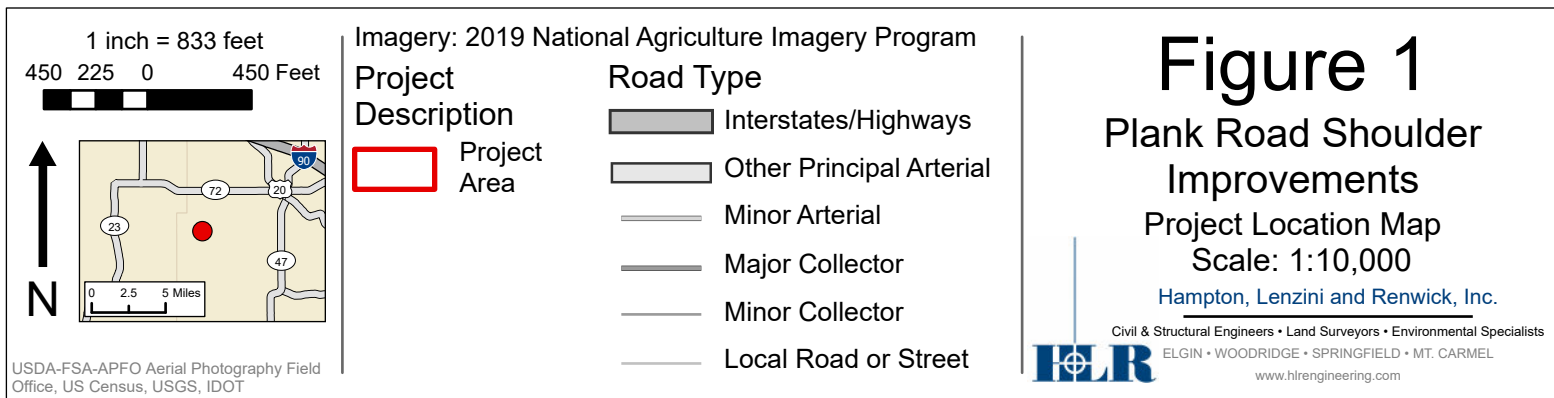
Seismic hazard: <http://www.homefacts.com/earthquakes/Illinois.html>

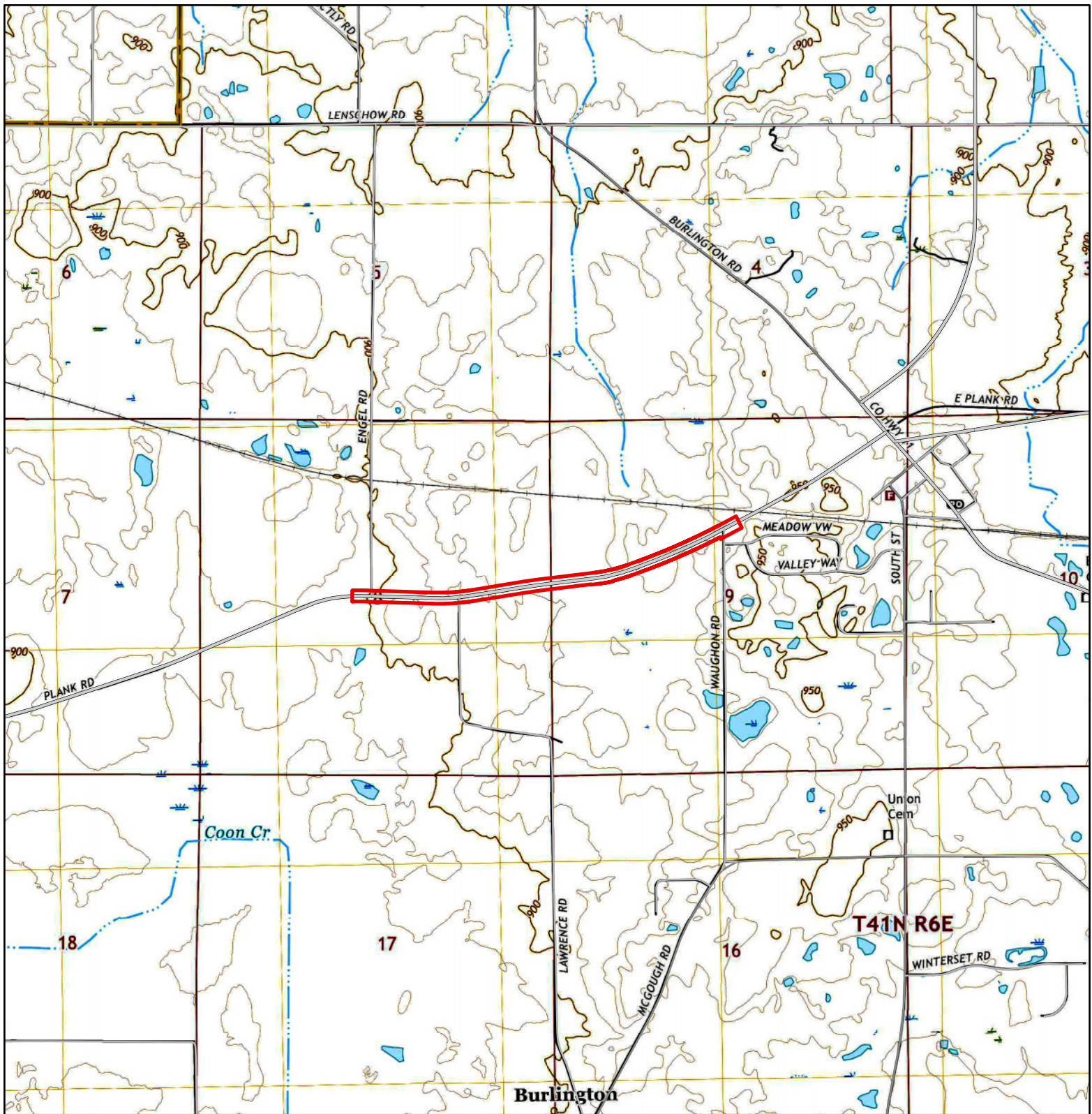
Special Wastes Procedures for Local Highway Improvements, 2004, IDOT Local Roads Manual.

Facility Report: <https://echo.epa.gov/detailed-facility-report>

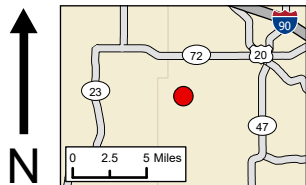
Appendix A

Figures





1 inch = 2,000 feet
975487.5 0 975 Feet



Topographic Map: USGS 2018 Topo, 24K
USGS Quadrangle: Hampshire

Project Area

Road Type

- | | |
|--|--|
| Interstates/Highways | Major Collector |
| Other Principal Arterial | Minor Collector |
| Minor Arterial | Local Road or Street |

Figure 2

Plank Road Shoulder Improvements

U.S. Geologic Survey
Topographic Map
Scale: 1:24,000

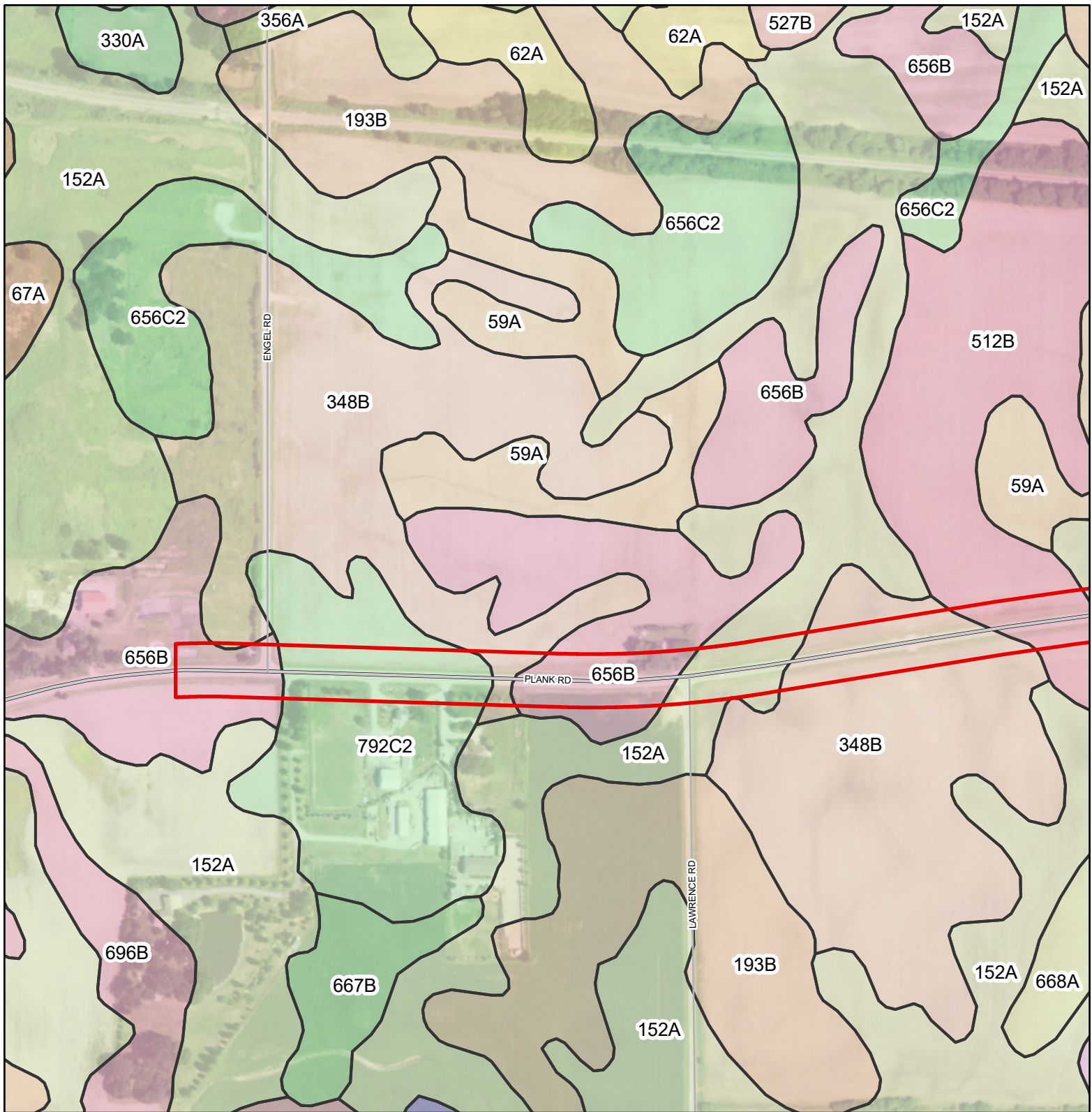
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Civil & Structural Engineers • Land Surveyors • Environmental Specialists

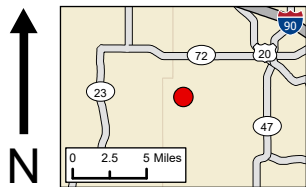
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1 inch = 417 feet
225 112.5 0 225 Feet



USDA-FSA-APFO Aerial Photography
Field Office, NRCS, US Census, USGS,
IDOT

Project Area

Map Unit Symbols/Descriptions

152A - Drummer silty clay loam, 0 to 2 percent slopes	356A - Elpaso silty clay loam, 0 to 2 percent slopes	656C2 - Octagon silt loam, 4 to 6 percent slopes, eroded
193B - Mayville silt loam, 2 to 5 percent slopes	369B - Waupeca silt loam, 2 to 4 percent slopes	667B - Kaneville silt loam, 2 to 5 percent slopes
193C2 - Mayville silt loam, 5 to 10 percent slopes, eroded	512B - Danabrook silt loam, 2 to 5 percent slopes	668A - Somonauk silt loam, 0 to 2 percent slopes
330A - Peotone silty clay loam, 0 to 2 percent slopes	527B - Kidami silt loam, 2 to 4 percent slopes	67A - Harpster silty clay loam, 0 to 2 percent slopes
344C2 - Harvard silt loam, 5 to 10 percent slopes, eroded	527C2 - Kidami loam, 4 to 6 percent slopes, eroded	686B - Zurich silt loam 2 to 4 percent slopes
348B - Wingate silt loam, cool mesic, 2 to 5 percent slopes	59A - Lisbon silt loam, 0 to 2 percent slopes	792C2 - Bowes silt loam, 4 to 6 percent slopes, eroded
	62A - Herbert silt loam, 0 to 2 percent slopes	W - Water
	656B - Octagon silt loam, 2 to 4 percent slopes	

Figure 3A

Plank Road Shoulder Improvements

Soil Survey Map
Scale: 1:5,000

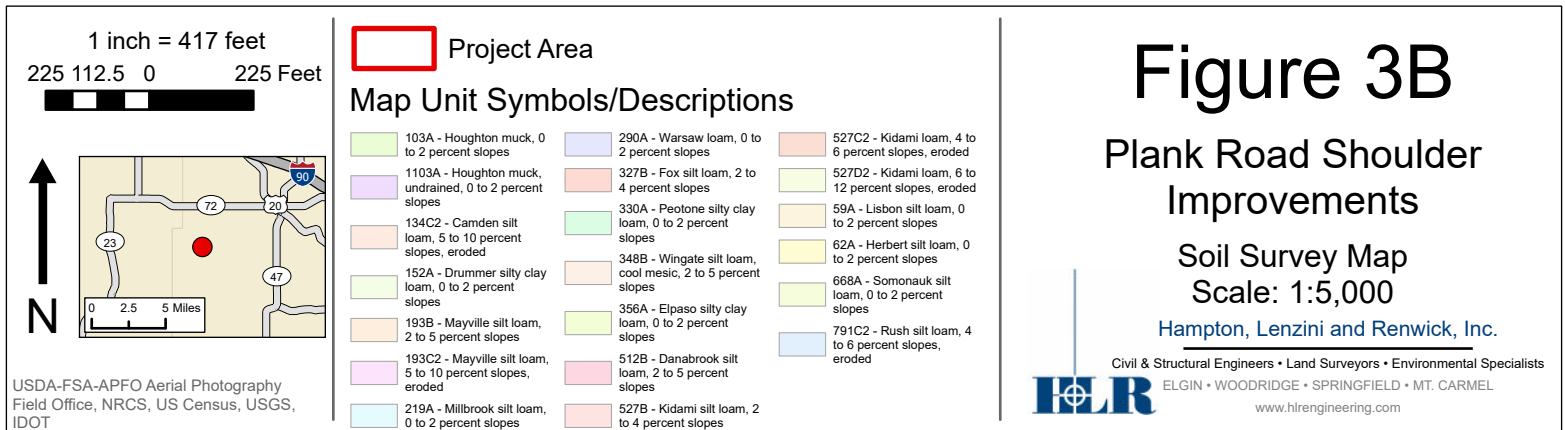
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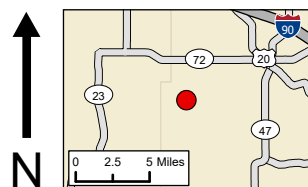
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www.hlrengineering.com



1 inch = 792 feet
425 212.5 0 425 Feet



Stack-Unit Mapping of Geologic
Material to a 15m Depth (1988): ISGS 2004

Project
Description

Project
Area

Stack-Units
to 15m

F (p*)(q*)
 F J
 J

USDA-FSA-APFO Aerial Photography Field
Office, Illinois State Geological Survey, US
Census, USGS, IDOT

Figure 4

Plank Road Shoulder Improvements

Stack Unit Map

Scale: 1:10,000

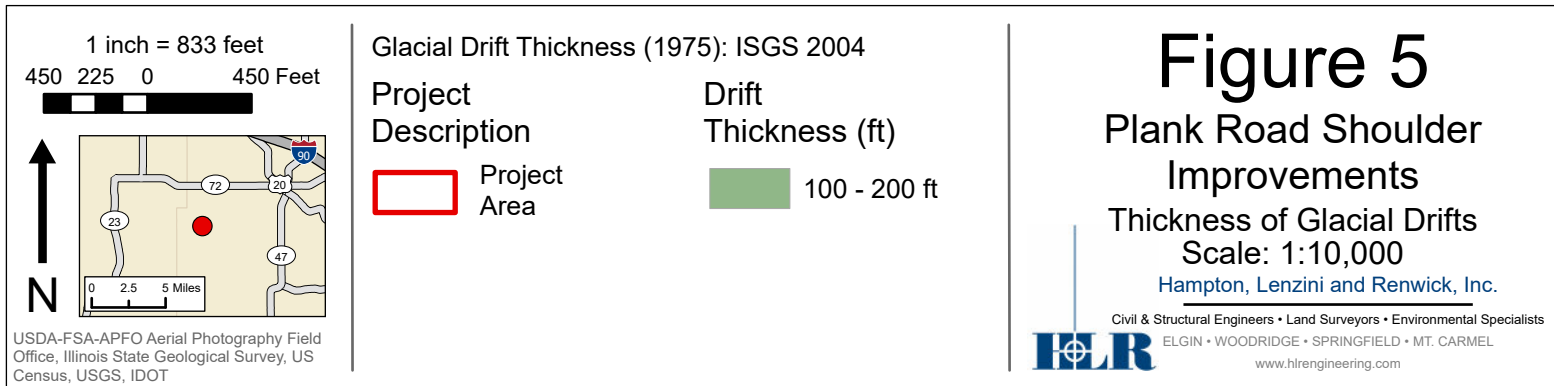
Hampton, Lenzini and Renwick, Inc.

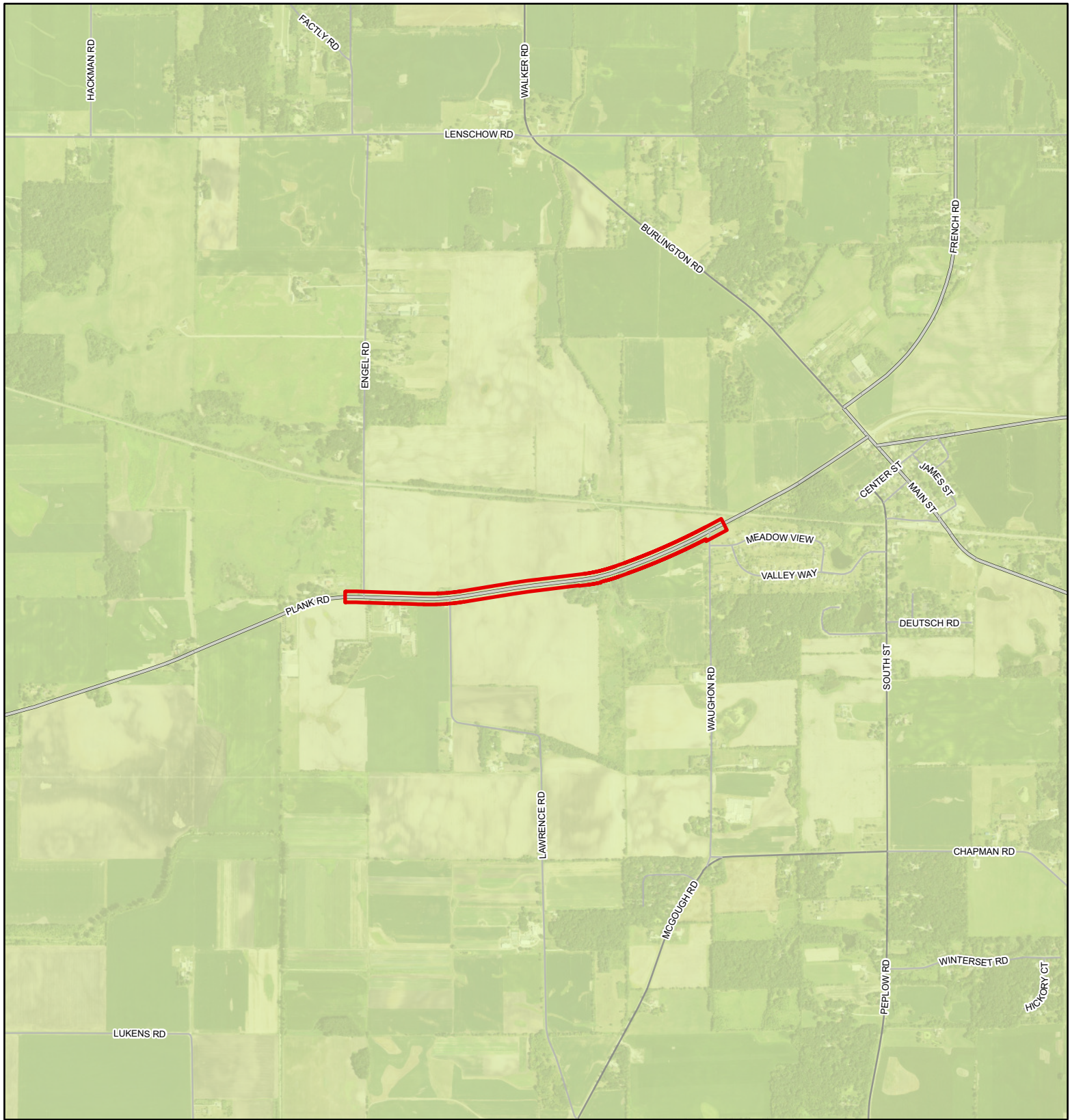
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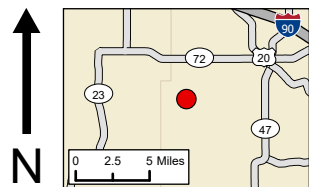
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1 inch = 2,000 feet
0.2 0.1 0 0.2 Miles



Bedrock Geology of Illinois (1967): ISGS 1996

Project
Description

 Project
Area

Geologic
Units

 Ordovician -
Maquoketa

Figure 6

Plank Road Shoulder Improvements

Geologic Map of Illinois Scale: 1:24,000

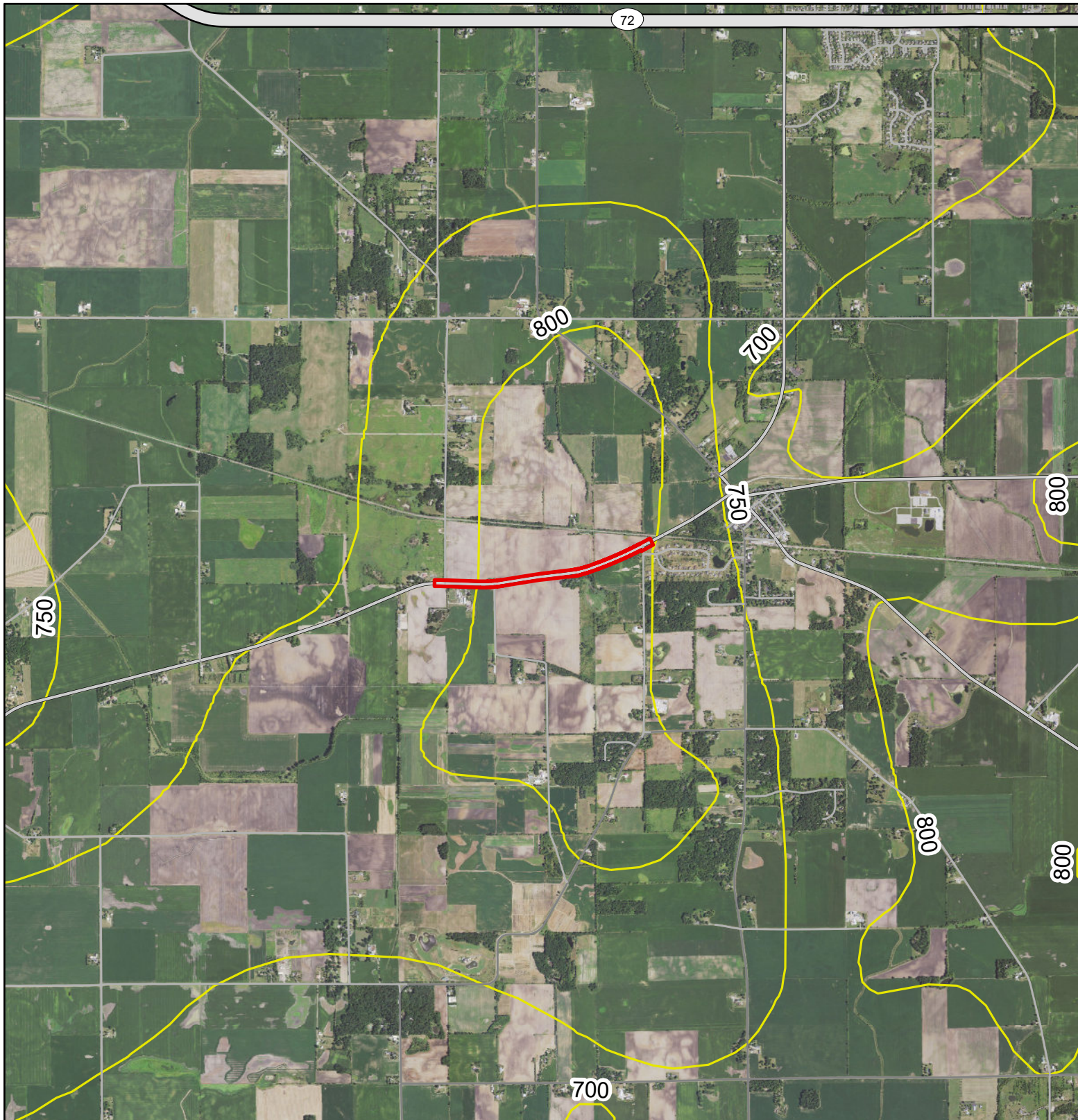
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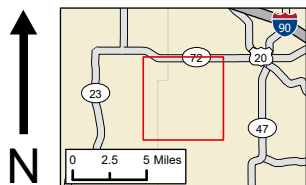


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1 inch = 3,542 feet
0.35 0.17 0 0.35 Miles

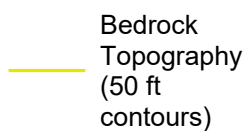


Buried Bedrock Surface of Illinois (1994):
ISGS 2004

Project
Description



Bedrock
Contours



USDA-FSA-APFO Aerial Photography Field
Office, Illinois State Geological Survey, US
Census, USGS, IDOT

Figure 7

Plank Road Shoulder Improvements

Buried Bedrock Surface
Scale: 1:42,500

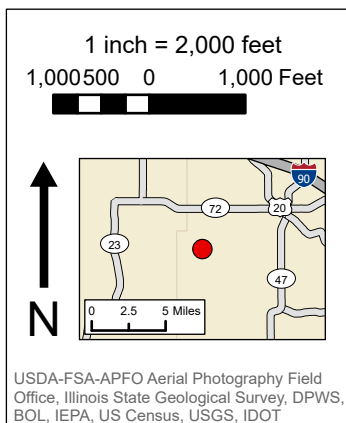
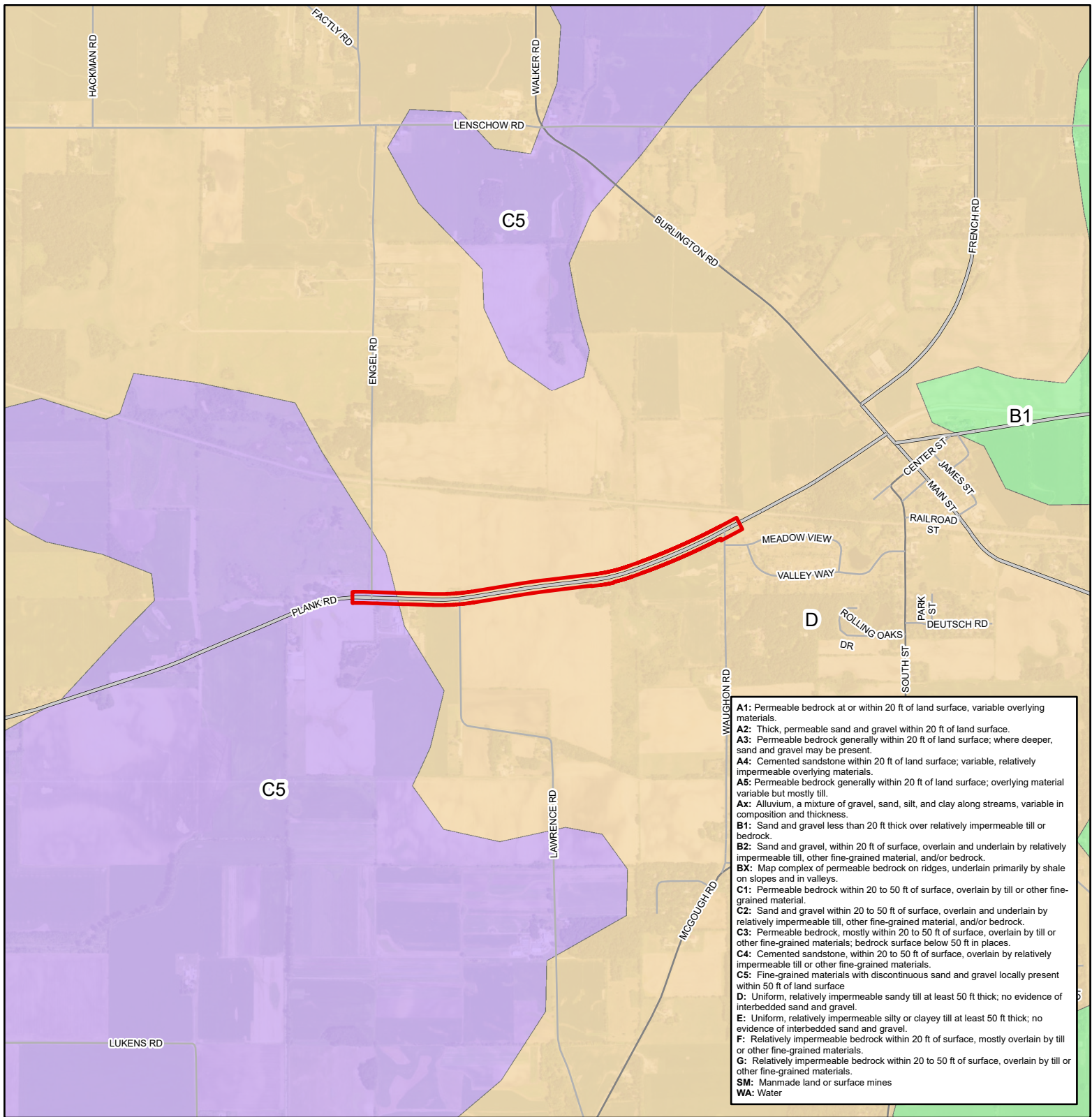
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Potential for Contamination of Shallow Aquifers from Land Burial of Municipal Waste

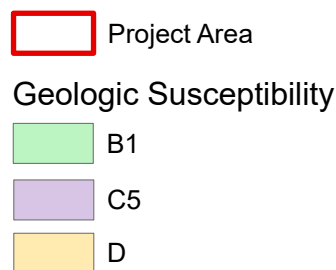


Figure 8

Plank Road Shoulder Improvements

Shallow Aquifers Scale: 1:24,000

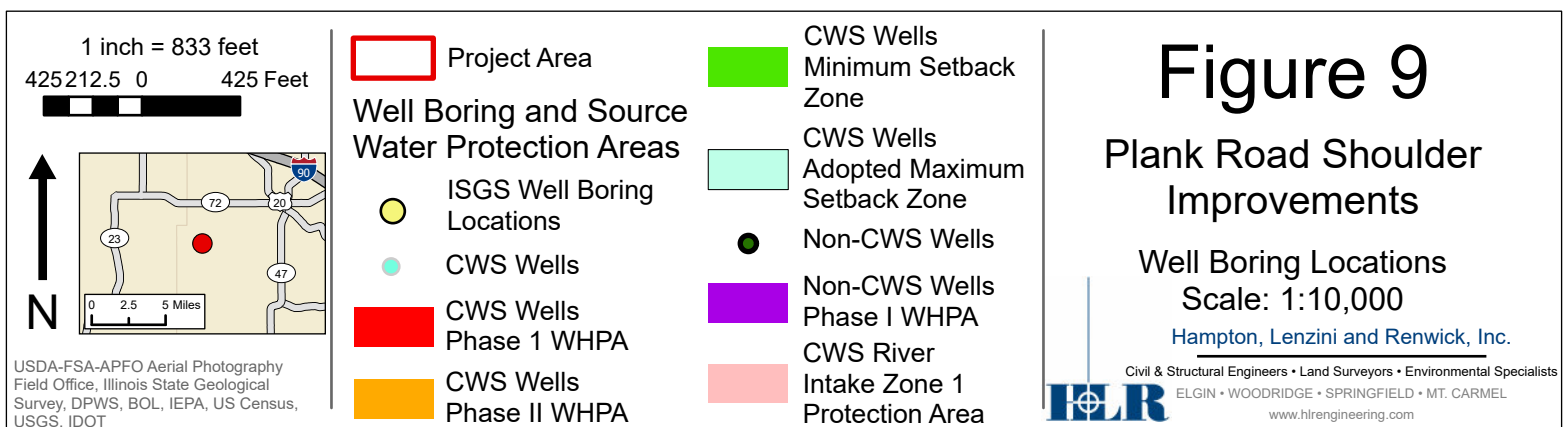
Hampton, Lenzini and Renwick, Inc.

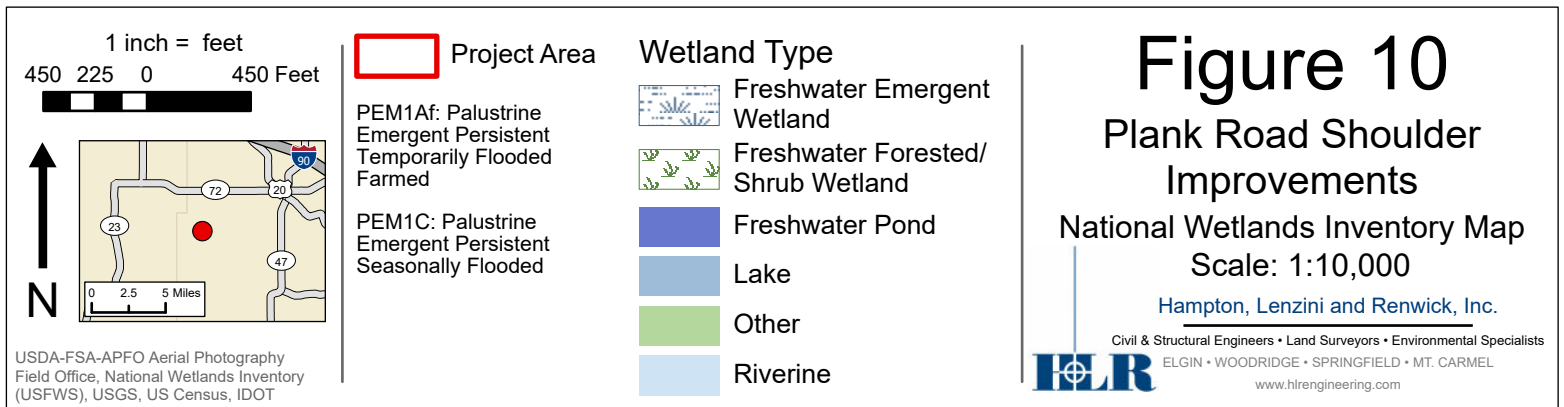
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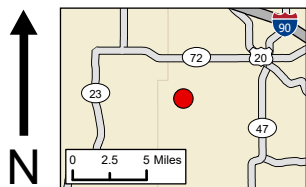
www.hlrengineering.com







1 inch = 833 feet
450 225 0 450 Feet



USDA-FSA-APFO Aerial Photography Field Office, FEMA (National Flood Hazard Layer), USGS, US Census, IDOT

Project Area

Flood Type

1% Annual Chance Flood Hazard

Floodway

Open Water

1% Annual Chance Flood Hazard, Depth Less than 1 Foot

0.2% Annual Chance Flood Hazard

Area of Reduced Risk, Protected by Levee

Figure 11

Plank Road Shoulder Improvements

Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM)
Scale: 1:10,000

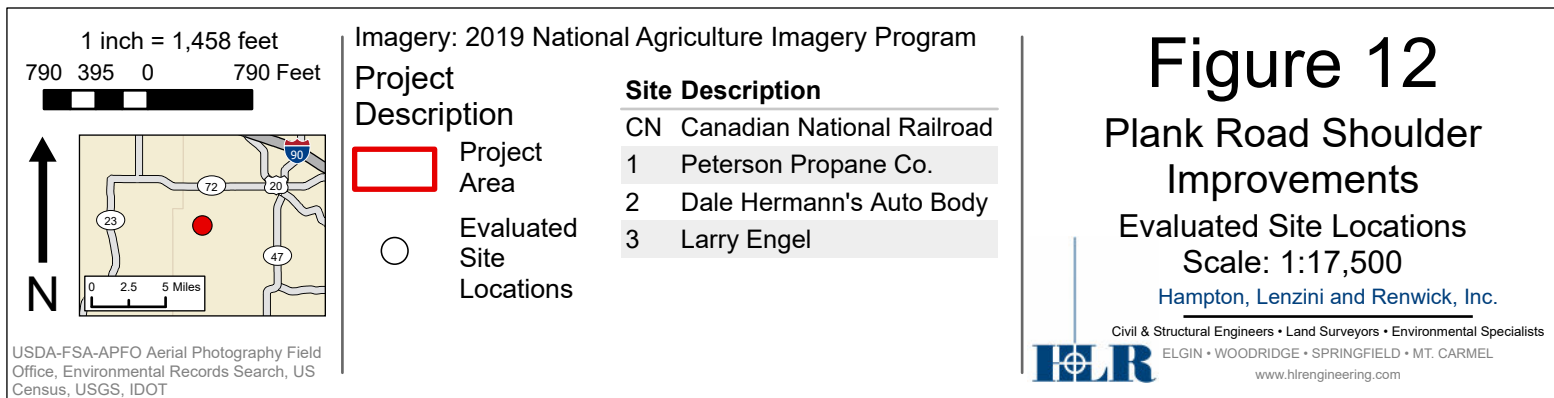
[Hampton, Lenzini and Renwick, Inc.](#)

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Appendix B

Photograph Log and Site Reconnaissance Summary of Observations



Photo 1: Typical view from south side of Plank Road looking east.

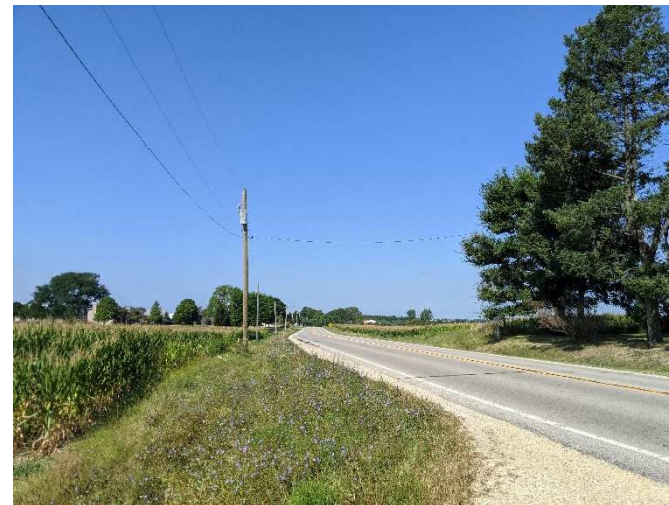


Photo 2: Looking east along Plank Road from the northeast corner of Engel Road and Plank Road.



Photo 3: Looking east at project limits, Waughon Road and Plank Road intersection.



Photo 4: Typical view of Plank Road.



Photo 5: Looking west from project limits.

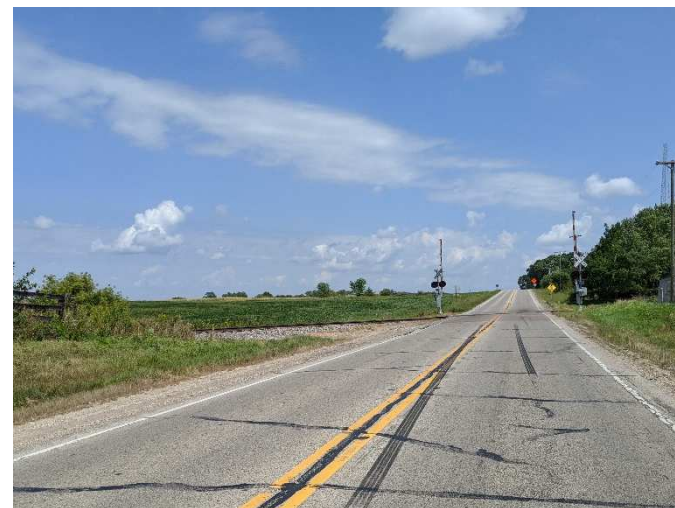


Photo 6: Looking east at railroad tracks, 300 feet east of project limits.

Site Reconnaissance Summary of Observations

Project Name: Plank Road

Date of Site Visit: 08/27/2020

Site Visit Conducted By: K. Kasch and A. Burchacki

Aboveground Chemical or Waste Storage	Evidence of ASTs	<i>In this column write Yes or No for all items, if Yes, explain what/where</i> None
	Drums, barrels, and/or containers > 5 gallons	None
Underground Chemical or Waste Storage	Evidence of USTs or ancillary UST equipment	None
	Sumps, cisterns, catch basins	None
	Septic tanks	None
Electrical Transformers/PCBs	Pad or pole mounted transformers and/or capacitors	Pole mounted transformer noted – no rust or leaking noted. No stressed vegetation noted.
	Generators	None
Evidence of Release or Potential Release	Stressed vegetation	None

	Stained soil	None
	Stained pavement or similar surface	None
	Leachate or waste seeps	None
	Trash, debris, and/or other waste material	None
	Dumping or disposal areas	None
	Construction/demolition debris and/or dumped fill dirt	None
	Surface water discoloration, odor, sheen, and/or free floating product	None
	Noxious odors	None
Other Notable Features	Surface water bodies	None
	Quarries or pits	None

	Wells	None
	Railroad tracks or spur	400 feet east of the project boundary
	Additional Observations	None

Appendix C

Environmental Record Search (ERS) RecCheck Report
and Aerial Photo & Topographic Map Research

RecCheck

The Standard for ASTM/AAI Radius Searches

(One Mile Environmental Records Search, Exceeds ASTM 1527/1528 and EPA All Appropriate Inquiry)

Area Report Results

REPORT RESULTS



Site Location:

Plank Road-Engel Road To Waughton Road
Kane County, IL 60140
(N 42-2-53, W 88-34-4) NAD83

Client:

Hampton Lenzini and Renwick Inc.

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EXECUTIVE SUMMARY

INFORMATION ON THE REQUESTED LOCATION

Site Address:	Plank Road-Engel Road To Waughton Road Kane County, IL 60140
Client Project Name/Number:	Plank Road 2104726431
Coordinates:	N 42-2-53, W 88-34-4 (NAD 83) 42.0480388266149, -88.5677909734363
Date of Report	August 26, 2020
ERS Project Number:	2104726431
Subject Site Listed on the following lists:	Not Listed
Subject Site Listed as Map ID#:	N/A
USGS 7.5 Minute Quad Map:	Hampshire (2018-01-23)
Subject Site Located within a Potential Area of Concern:	No
Township, Section and Range:	Electronic TRS is unavailable
Site Elevation: (feet above or below (-) mean sea level)	Approximately 925 ft near the center of the area.
Flood Zone: (Digital Flood Insurance Rate Maps - DFIRMs) Only available digital data is provided	Panel: 17089C0125H, Effective Date: 8/3/2009 Zone X - Area of minimal flood hazard, usually depicted on FIRMs as above the 500-year flood level.
Fire Insurance Map Coverage:	No
Radon Information:	EPA Radon Zone: 1 (Predicted avg for county: > 4 pCi/L)For zip code 60140: Number of tests per zip code: 141 Number of tests where radon is > 4 pCi/L: 56 Percentage of test where radon is > 4 pCi/L: 39.72% Other Information: Not Reported
Search Radius Expansion Size: (In Miles)	0

Soil Type: (USDA Soil Survey Geographic Database) (SSURGO)	Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Map Unit Type: Consociation Drainage Class - Dominant Condition: Poorly drained General Information: Fine-silty, mixed, superactive, mesic Typic Endoaquolls Top 3 Map Unit Components are below (if available): Component Name: Peotone, Harpster, Drummer Component Percentage: 3%, 3%, 94% Hydric: Yes, Yes, Yes
Zip Codes Searched for "Un-Mappable" Sites:	Not Researched
Occurrence Count:	5

SUMMARY OF OCCURRENCES

MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
1 Maps: 1 , 4	923160 Petersen Propane Co.	125 Plank Rd. Burlington	LUST-Closed-IL	Closed	0.42 NE	N/A
2 Maps: 1 , 4	982238 Dale Herrmann's Auto Body	175 East Center St. Burlington	LUST-Open-IL	Open	0.45 E	N/A
3 Maps: 1 , 4	900556 Engel, Larry	155 West Center Burlington	LUST-Closed-IL	Closed	0.46 E	N/A
4 Maps: 1 , 4	971305 Central Middle C.U.S.D. #301	44W303 Plato Rd. Burlington	LUST-Closed-IL	Closed	0.48 E	N/A
4 Maps: 1 , 4	971308 Community Middle C.U.S.D. #301	44W303 Plato Rd. Burlington	LUST-Closed-IL	Closed	0.48 E	N/A

POTENTIAL AREAS OF CONCERN/CONTAMINATION SUMMARY

DATABASE SEARCHED	SUBJECT SITE WITHIN POTENTIAL AREA OF CONCERN	AREAS FOUND WITHIN 1-MILE RADIUS
NPL-R5-US	No	0

DATABASE OCCURRENCE SUMMARY

HIGH RISK* OCCURRENCES IDENTIFIED IN REQUESTED SEARCH RADIUS		
DATABASE SEARCHED	DISTANCE SEARCHED (MILES)	HIGH RISK OCCURRENCES FOUND
CERCLIS-US	0.5	0
LUST-Open-IL	0.5	1
NPL-US	1	0
Proposed-NPL-US	1	0
SAA-Agreements-US	1	0
Tribal-LUST-Open-Reg5	0.5	0
VCP-Open-IL	0.5	0

* For the purposes of this report, "high risk" occurrences are those that have known contamination and have not received a "case closed" or "no further action" status from the agency that maintains the records.

ASTM/AAI STANDARD RECORD SOURCES SUMMARY

STANDARD ENVIRONMENTAL RECORD SOURCES	ASTM MIN. SEARCH DIST. / ERS SEARCH DIST. (MILES)	ERS DATABASE NAME	TOTAL LISTINGS	MAP ID #'S
Federal NPL site list	1.0 / 1.0	NPL-US	0	None Listed
		Proposed-NPL-US	0	None Listed
Federal Delisted NPL site list	0.5 / 1.0	Delisted-NPL-US	0	None Listed
Federal CERCLIS list	0.5 / 0.5	CERCLIS-US	0	None Listed
Federal CERCLIS NFRAP site list	0.5 / 0.5	CERCLIS-Archived-US	0	None Listed
Federal RCRA CORRACTS facilities list	1.0 / 1.0	RCRA-COR-US	0	None Listed
Federal RCRA non-CORRACTS TSD facilities list	0.5 / 0.5	RCRA-TSDF-US	0	None Listed
Federal RCRA generators list	Property and adjoining properties / 0.25	RCRA-CESQG-US	0	None Listed
		RCRA-LQG-US	0	None Listed
		RCRA-NON-US	0	None Listed
		RCRA-SQG-US	0	None Listed
Federal Inst/Eng control registries	Property Only / 0.25	Controls-RCRA-US	0	None Listed

		Controls-US	0	None Listed
		Hist-US-EC	0	None Listed
		Hist-US-IC	0	None Listed
		LIENS-US	0	None Listed
Federal ERNS list	Property Only / 0.0625	ERNS-US	0	None Listed
State and Tribal-Equivalent NPL	1.0 / 1.0	Not Reported by Agency	0	None Listed
State and Tribal-Equivalent CERCLIS	0.5 / 0.5	SS-IL	0	None Listed
State and Tribal landfill and/or solid waste disposal sites	0.5 / 0.5	Debris-US	0	None Listed
		Hist-Dumps-US	0	None Listed
		HIST-LF-IL	0	None Listed
		LF-SPW-IL	0	None Listed
		SWF-IL	0	None Listed
		SWLF-US	0	None Listed
		Tribal-ODI-US	0	None Listed
State and Tribal Leaking Storage Tank Lists	0.5 / 0.5	City-LUST-Closed-IL	0	None Listed
		LUST-Closed-IL	4	1, 3, 4, 4
		LUST-Open-IL	1	2
		Tribal-LUST-Closed-Reg5	0	None Listed
		Tribal-LUST-Open-Reg5	0	None Listed
State and Tribal Registered Storage Tank Lists	Property and adjoining properties / 0.25	AST-IL	0	None Listed
		City-AST-IL	0	None Listed
		City-UST-IL	0	None Listed
		FEMA-UST-US	0	None Listed
		Tribal-UST-Reg5	0	None Listed
		UST-IL	0	None Listed
State and Tribal Inst/Eng Control Registries	Property Only / 0.5	EC-IL	0	None Listed
		IC-IL	0	None Listed
		UECA-IL	0	None Listed
State and Tribal Voluntary Cleanup Sites	0.5 / 0.5	Tribal-VCP-US	0	None Listed
		VCP-Closed-IL	0	None Listed
		VCP-Open-IL	0	None Listed
State and Tribal Brownfield Sites	0.5 / 0.5	BF-IL	0	None Listed
		BFRAD-IL	0	None Listed
		BF-Tribal-US	0	None Listed

FEDERAL ASTM/AAI DATABASES

DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
BF-Tribal-US	0.5	0	0	0	0	-	0
BF-US	0.5	0	0	0	0	-	0
CERCLIS-Archived-US	0.5	0	0	0	0	-	0
CERCLIS-US	0.5	0	0	0	0	-	0
Controls-RCRA-US	0.5	0	0	0	0	-	0
Controls-US	0.5	0	0	0	0	-	0
Debris-US	0.5	0	0	0	0	-	0
Delisted-NPL-US	1	0	0	0	0	0	0
ERNS-US	0.0625	0	0	-	-	-	0
FEMA-UST-US	0.25	0	0	0	-	-	0
FTTS-ENF-US	0.25	0	0	0	-	-	0
Hist-Dumps-US	0.5	0	0	0	0	-	0
Hist-US-EC	0.5	0	0	0	0	-	0
Hist-US-IC	0.5	0	0	0	0	-	0
HMIS-US	0.0625	0	0	-	-	-	0
LIENS-US	0.0625	0	0	-	-	-	0
NPL-US	1	0	0	0	0	0	0
PADS-US	0.0625	0	0	-	-	-	0
PCB-US	0.25	0	0	0	-	-	0
Proposed-NPL-US	1	0	0	0	0	0	0
RCRA-CESQG-US	0.25	0	0	0	-	-	0
RCRA-COR-US	1	0	0	0	0	0	0
RCRA-LQG-US	0.25	0	0	0	-	-	0
RCRA-NON-US	0.125	0	0	-	-	-	0
RCRA-SQG-US	0.25	0	0	0	-	-	0
RCRA-TSDF-US	0.5	0	0	0	0	-	0
SAA-Agreements-US	1	0	0	0	0	0	0
SWLF-US	0.5	0	0	0	0	-	0
Tribal-LUST-Closed-Reg5	0.5	0	0	0	0	-	0
Tribal-LUST-Open-Reg5	0.5	0	0	0	0	-	0
Tribal-ODI-US	0.5	0	0	0	0	-	0
Tribal-UST-Reg5	0.25	0	0	0	-	-	0
Tribal-VCP-US	0.5	0	0	0	0	-	0

STATE ASTM/AAI DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
AST-IL	0.25	0	0	0	-	-	0
BF-IL	0.5	0	0	0	0	-	0
BFRAD-IL	0.5	0	0	0	0	-	0
City-AST-IL	0.25	0	0	0	-	-	0
City-LUST-Closed-IL	0.5	0	0	0	0	-	0
City-Others-IL	0.0625	0	0	-	-	-	0
City-UST-IL	0.25	0	0	0	-	-	0
EC-IL	0.5	0	0	0	0	-	0
EW-CRR-IL	0.5	0	0	0	0	-	0
EW-Resi-IL	0.5	0	0	0	0	-	0
HIST-LF-IL	0.5	0	0	0	0	-	0
HWAR-IL	0.0625	0	0	-	-	-	0
IC-IL	0.5	0	0	0	0	-	0
LF-SPW-IL	0.5	0	0	0	0	-	0
LUST-Closed-IL	0.5	0	0	0	4	-	4
LUST-Open-IL	0.5	0	0	0	1	-	1
Manifest2-RI	0.0625	0	0	-	-	-	0
OER-Spills-IL	0.0625	0	0	-	-	-	0

STATE ASTM/AAI DATABASES

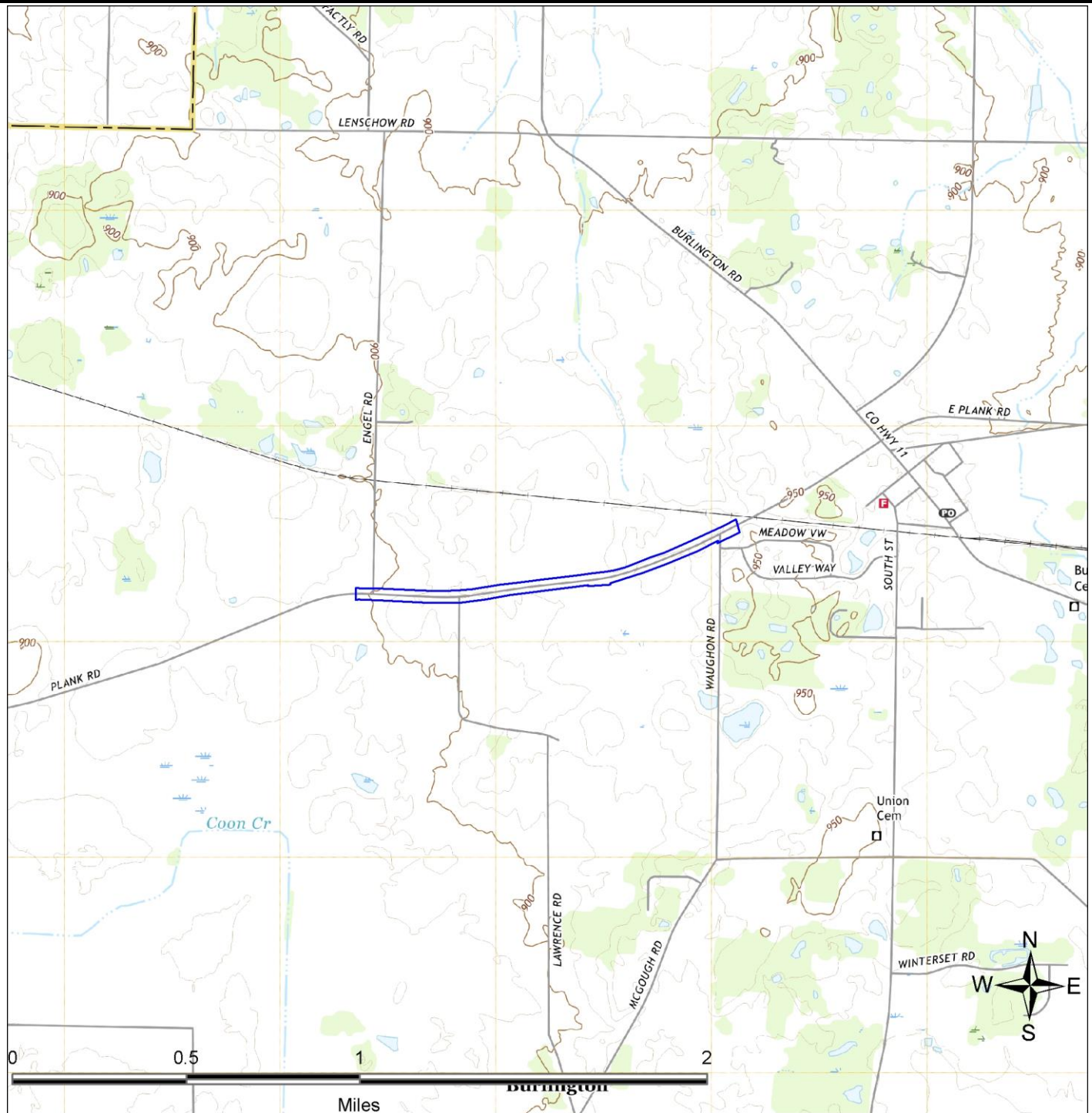
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Spills-IL	0.0625	0	0	-	-	-	0
SS-IL	0.5	0	0	0	0	-	0
STRIP-IL	0.5	0	0	0	0	-	0
SWF-IL	0.5	0	0	0	0	-	0
UECA-IL	0.5	0	0	0	0	-	0
UST-IL	0.25	0	0	0	-	-	0
VCP-Closed-IL	0.5	0	0	0	0	-	0
VCP-Open-IL	0.5	0	0	0	0	-	0

SUPPLEMENTAL DATABASES

DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Not Searched							

PROPRIETARY HISTORIC DATABASES

DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Not Searched							



SITE LOCATION TOPOGRAPHIC MAP

U.S. Geological Survey. Hampshire (2018-01-23) Quadrangle, 7.5 Minute Series

Hampton Lenzini and Renwick
Inc.

Plank Road-Engel Road To Waughton
Road
Kane County, IL 60140

FIGURE: 1
JOB: 2104726431
DATE: 8/26/2020



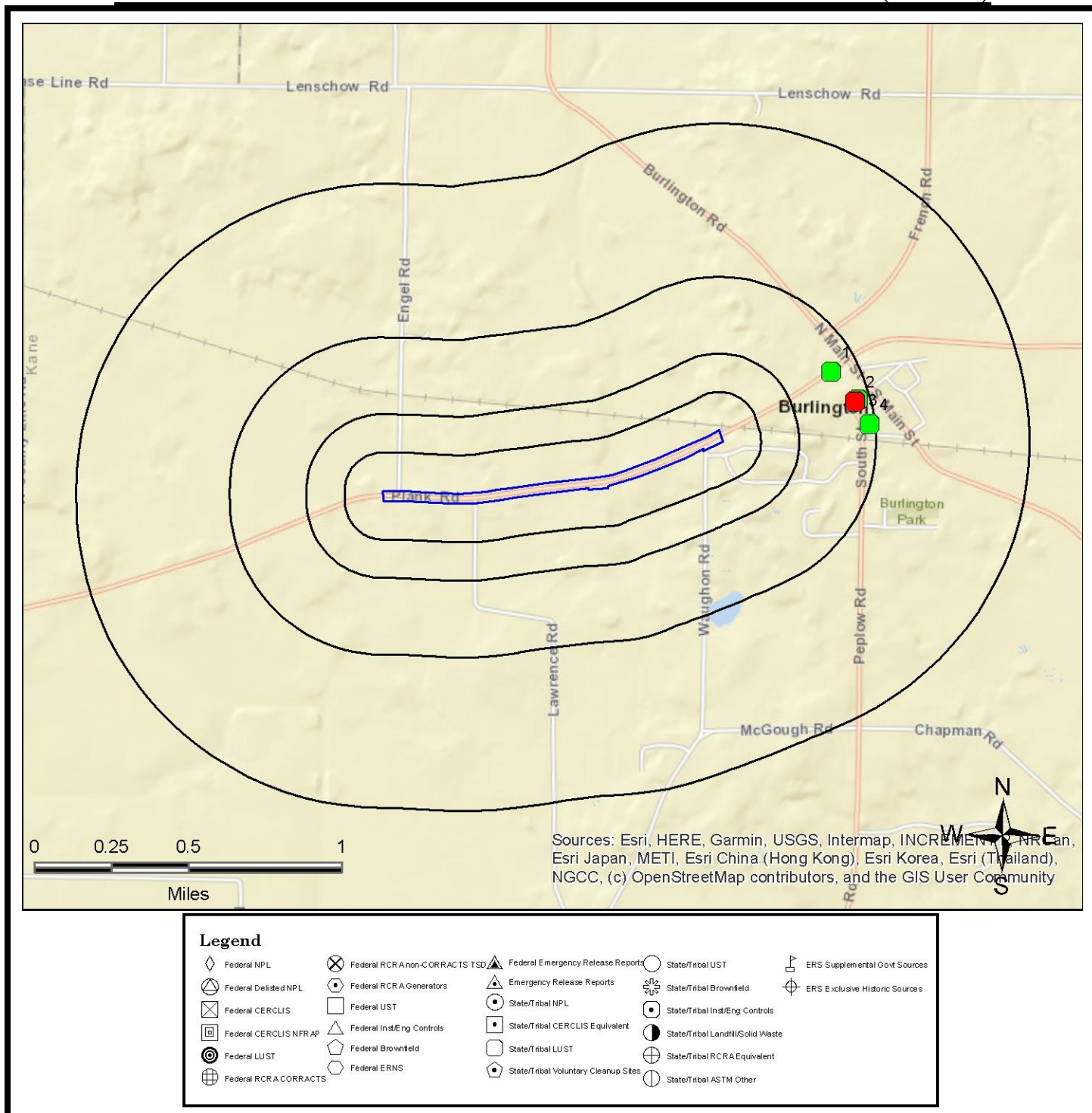
SITE LOCATION MAP

Hampton Lenzini and Renwick Inc.

Plank Road-Engel Road To Waughton
Road
Kane County, IL 60140

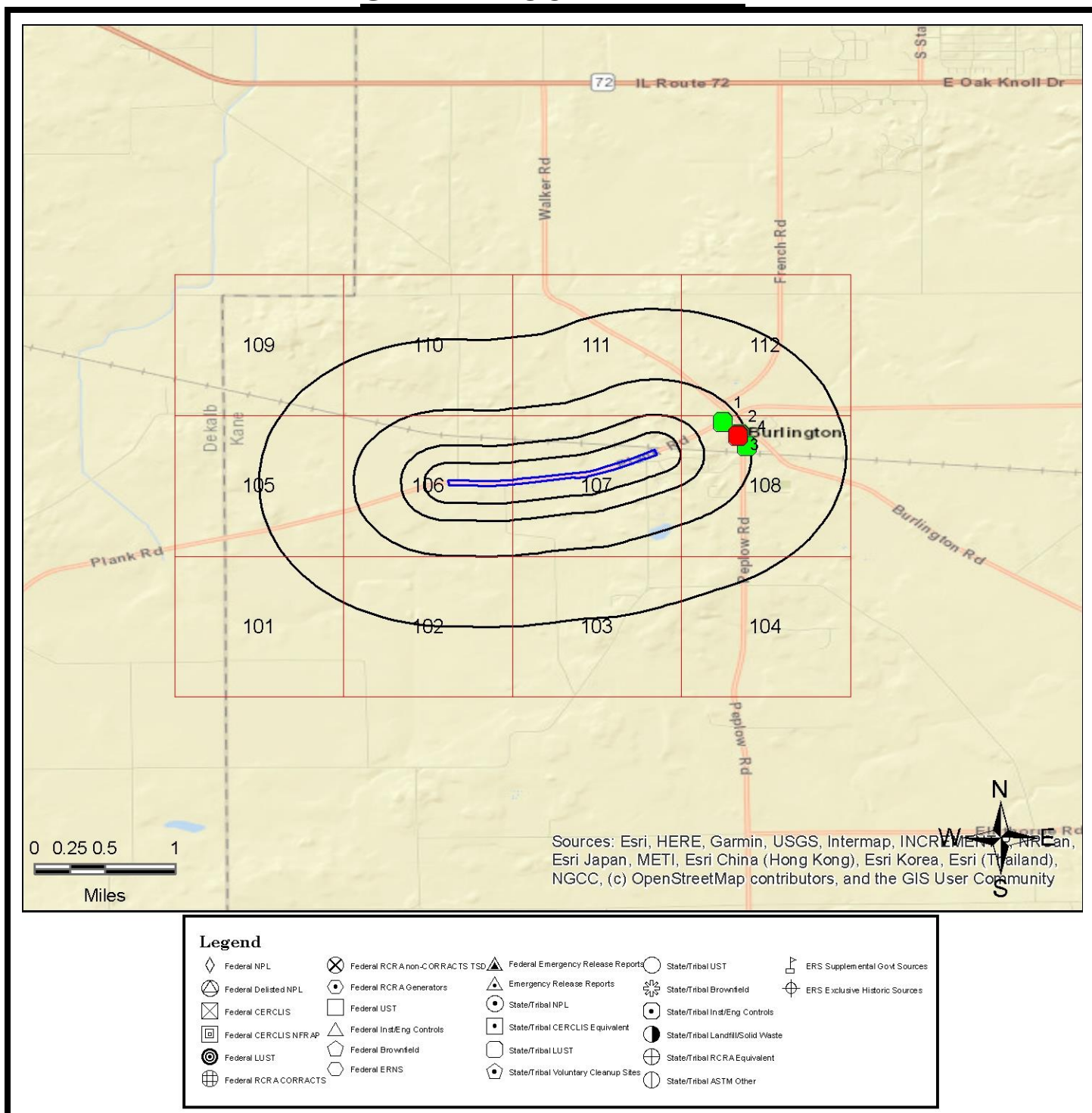
FIGURE: 2
JOB: 2104726431
DATE: 8/26/2020

1-MILE RADIUS STREET MAP W/OCCURRENCES (MAP1)



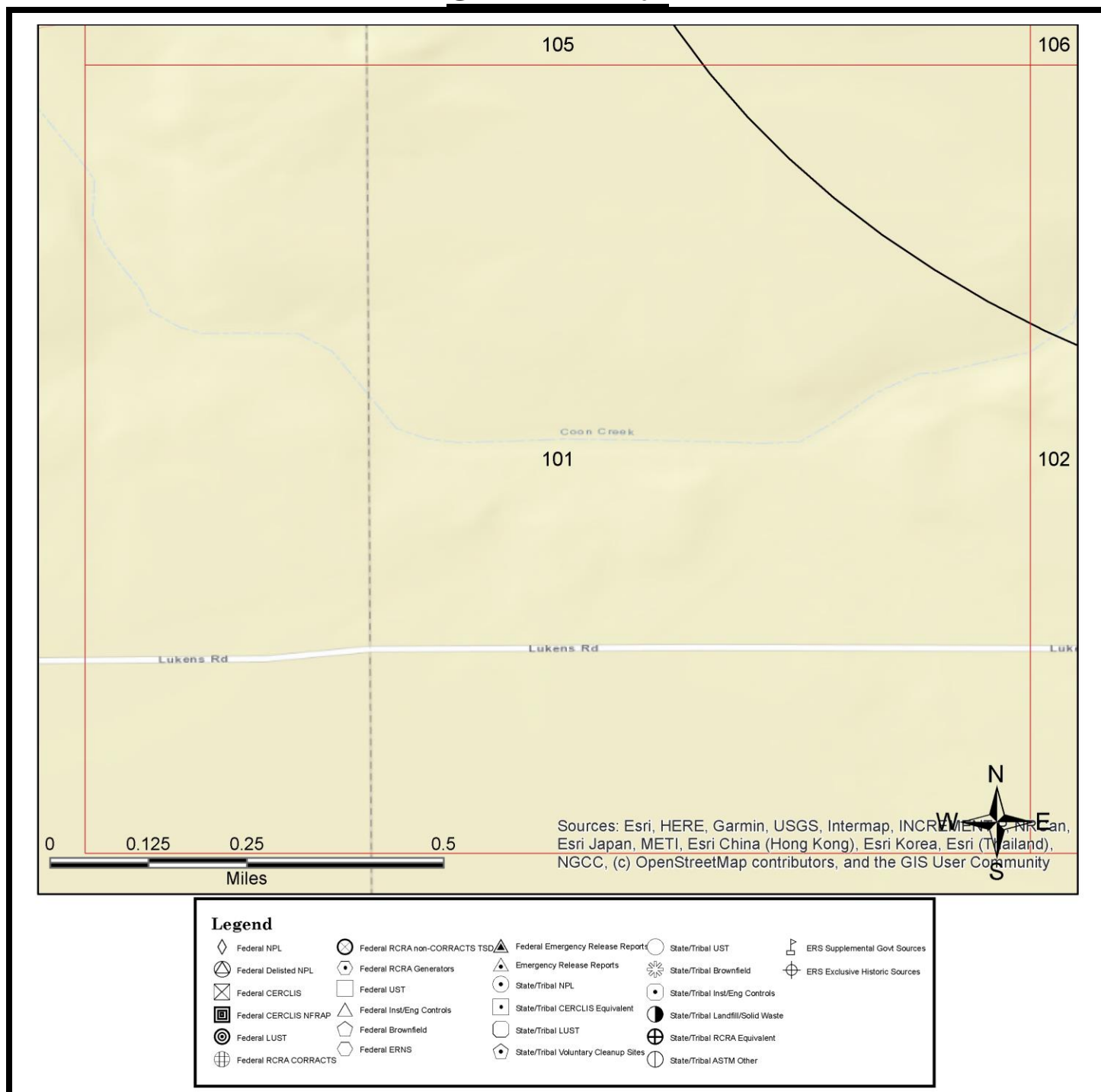
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID LAYOUT MAP KEY



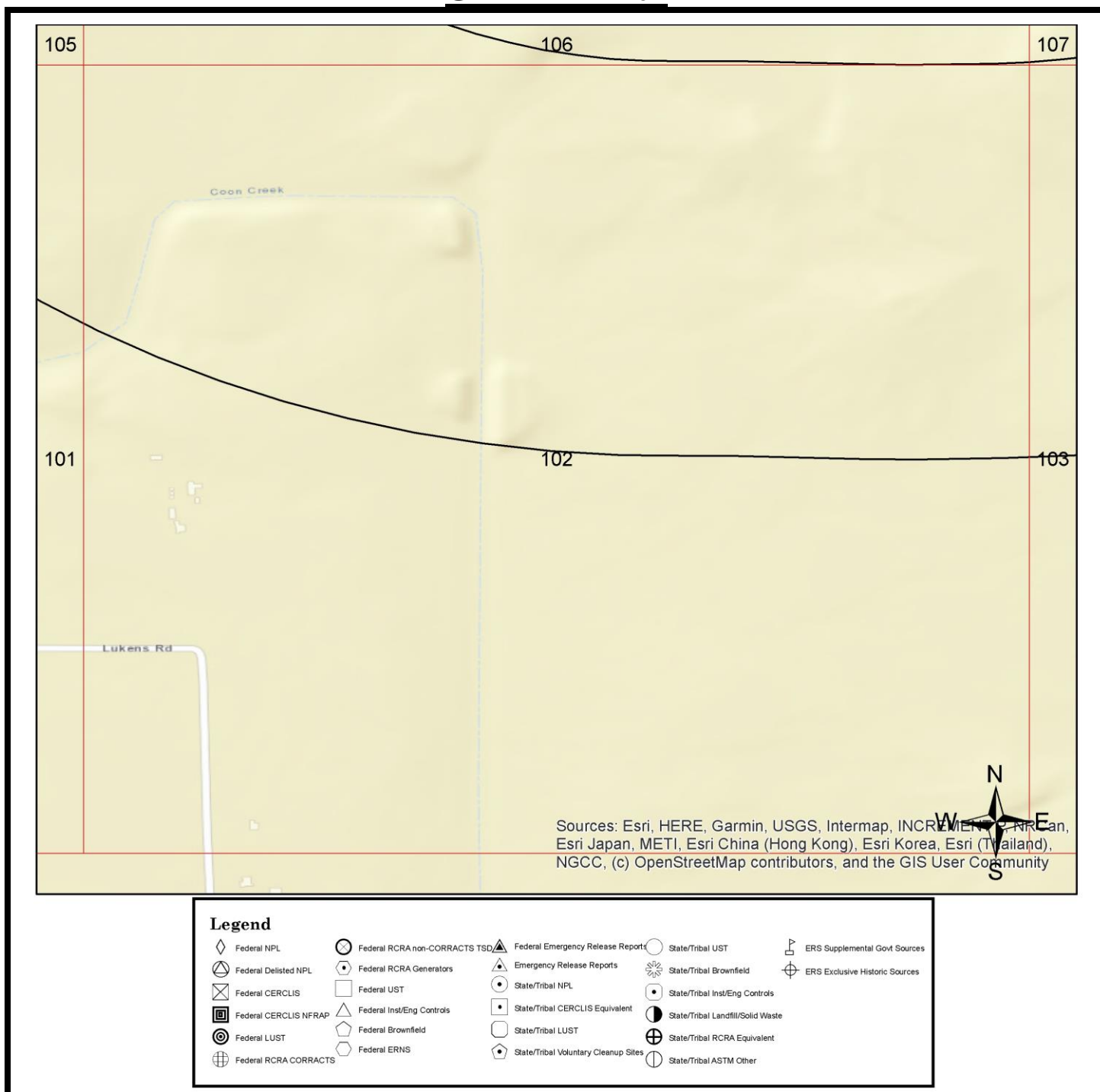
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 101



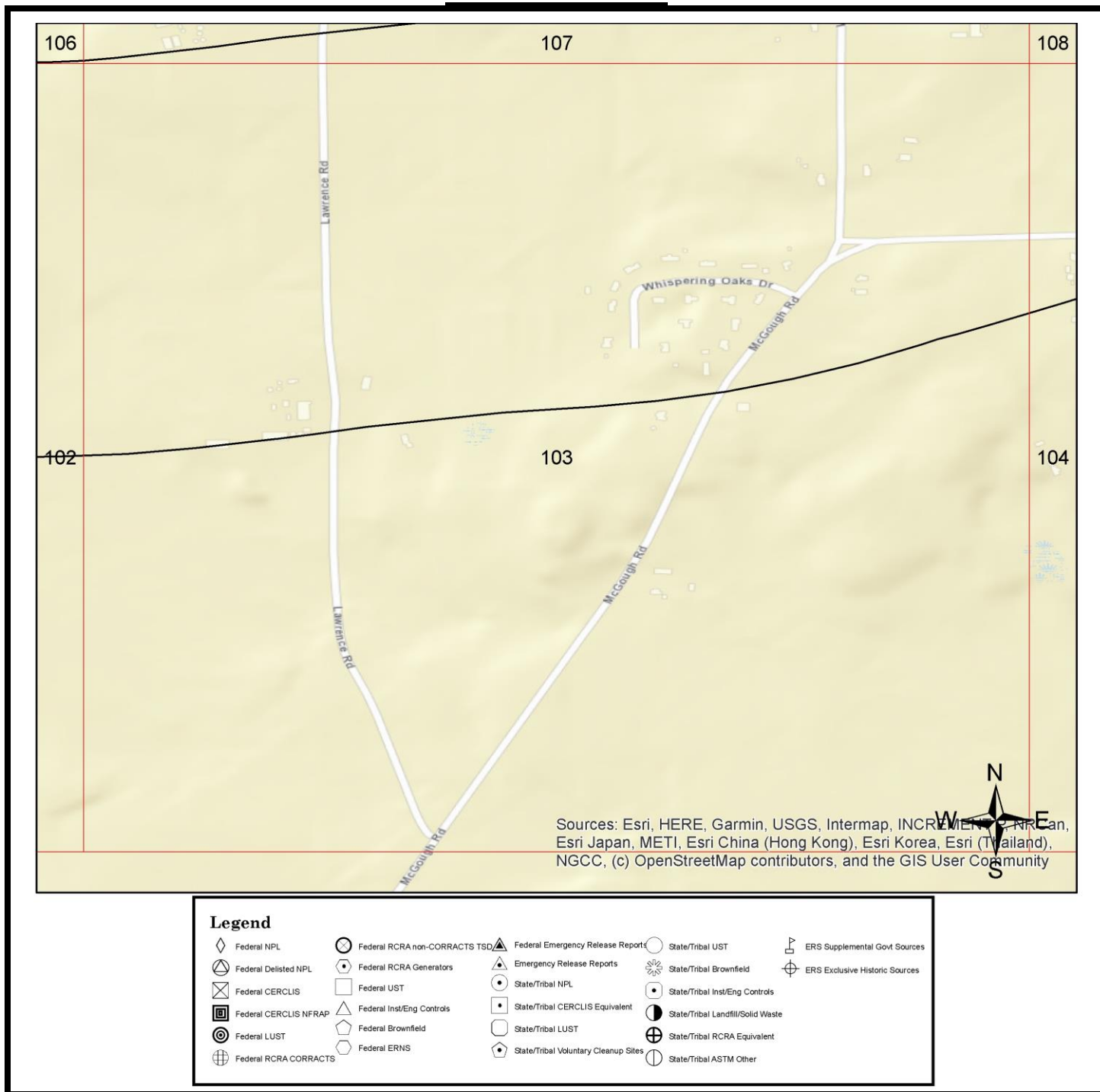
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 102



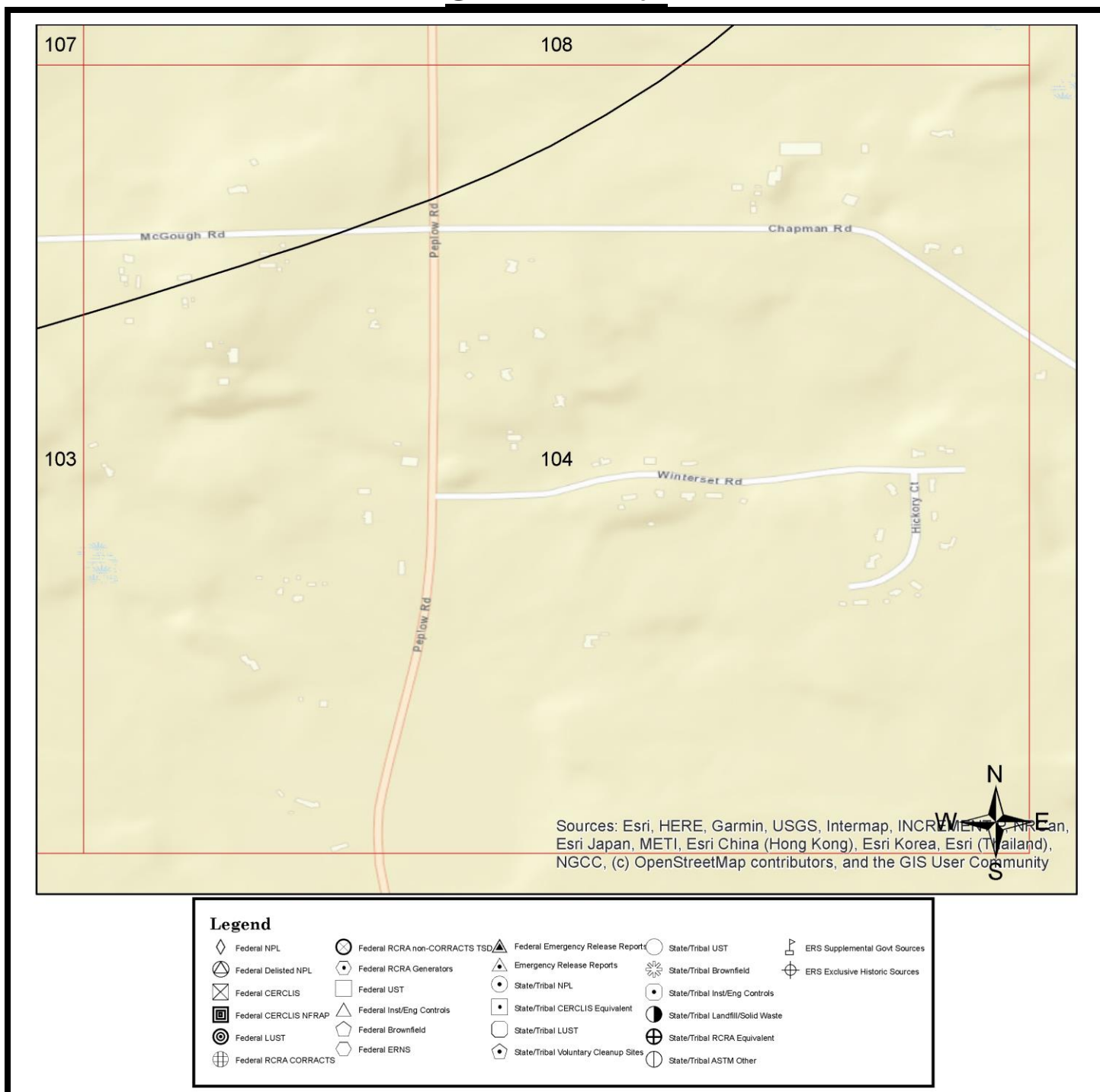
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 103



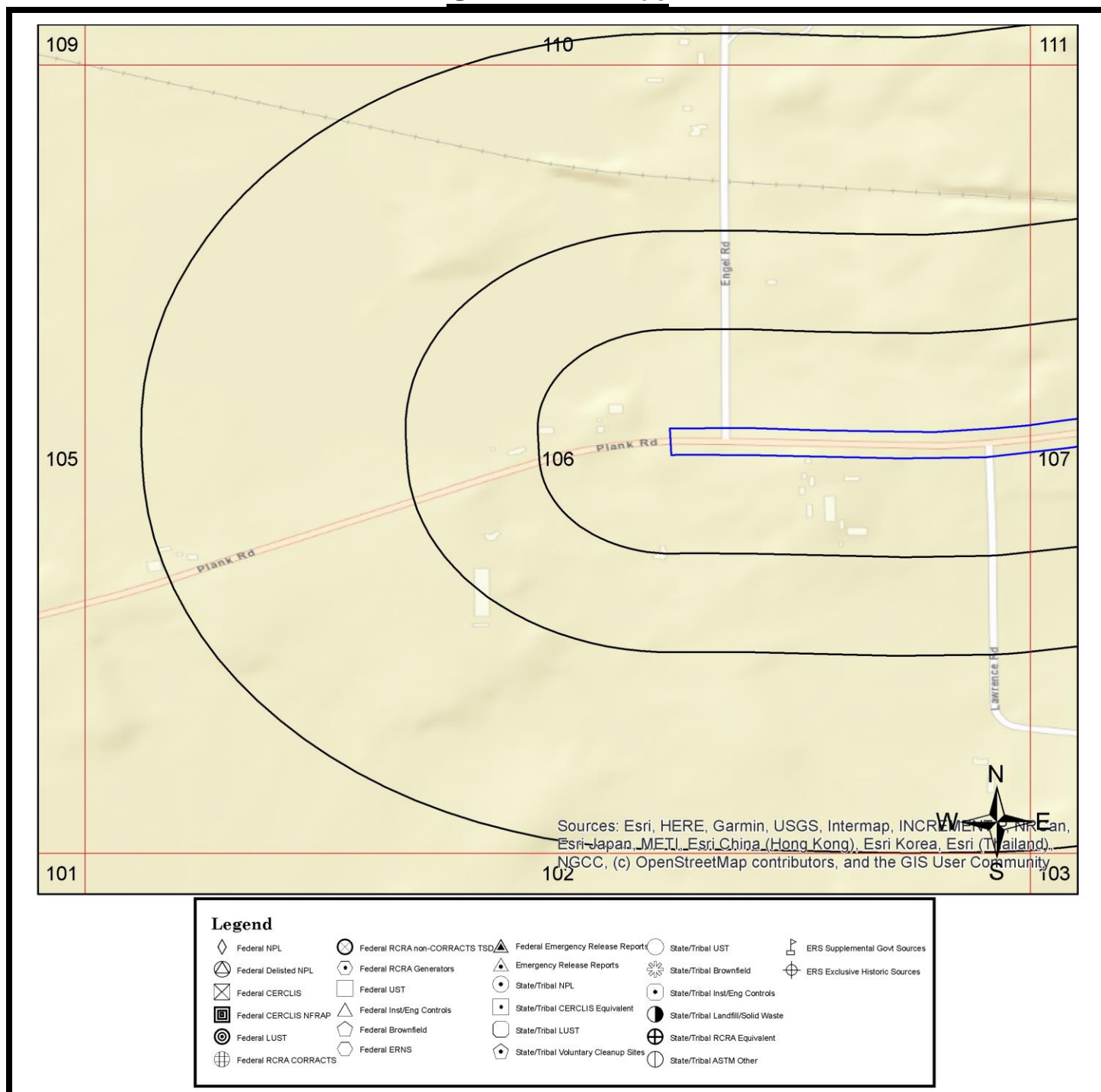
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 104



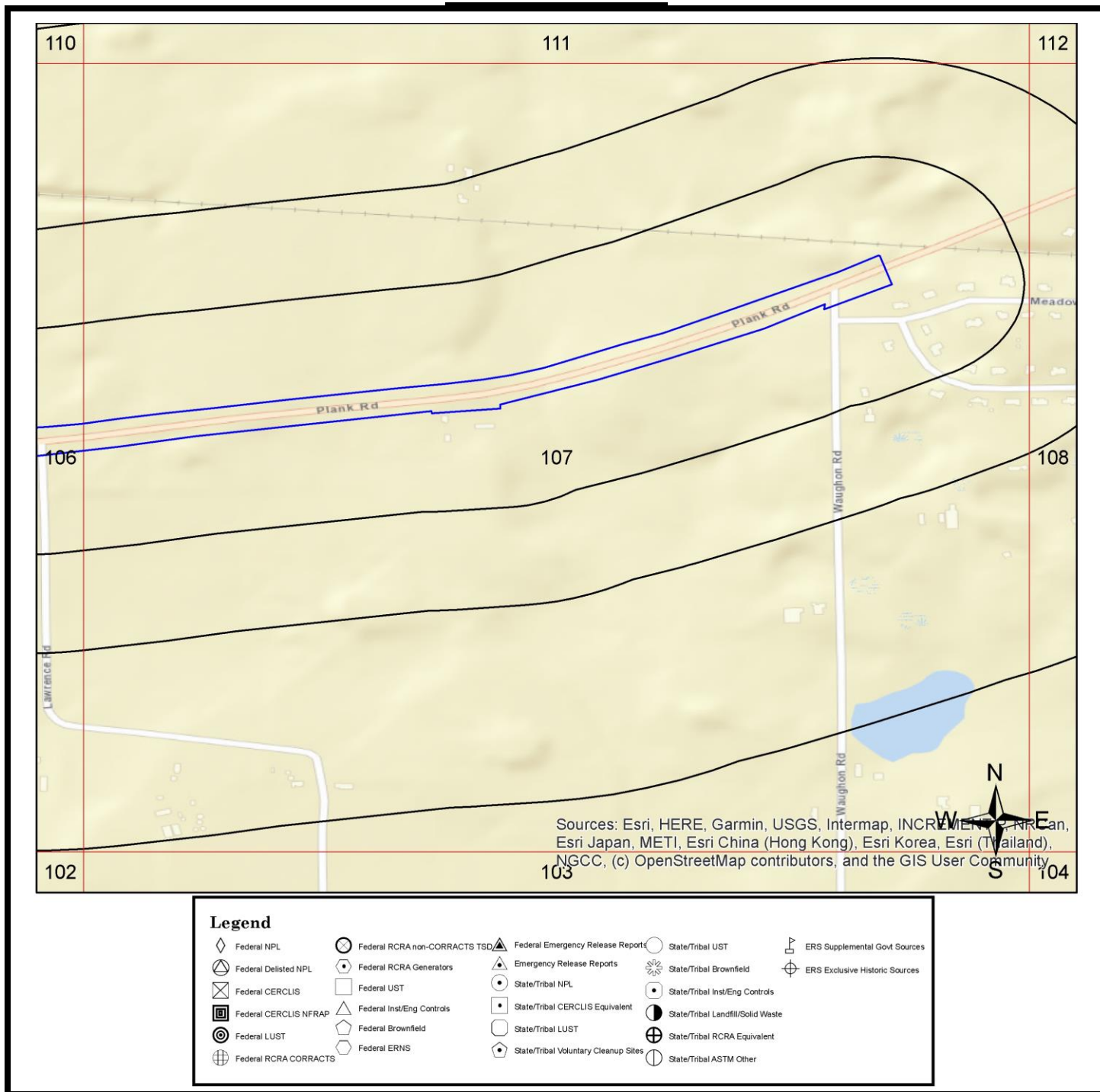
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 106



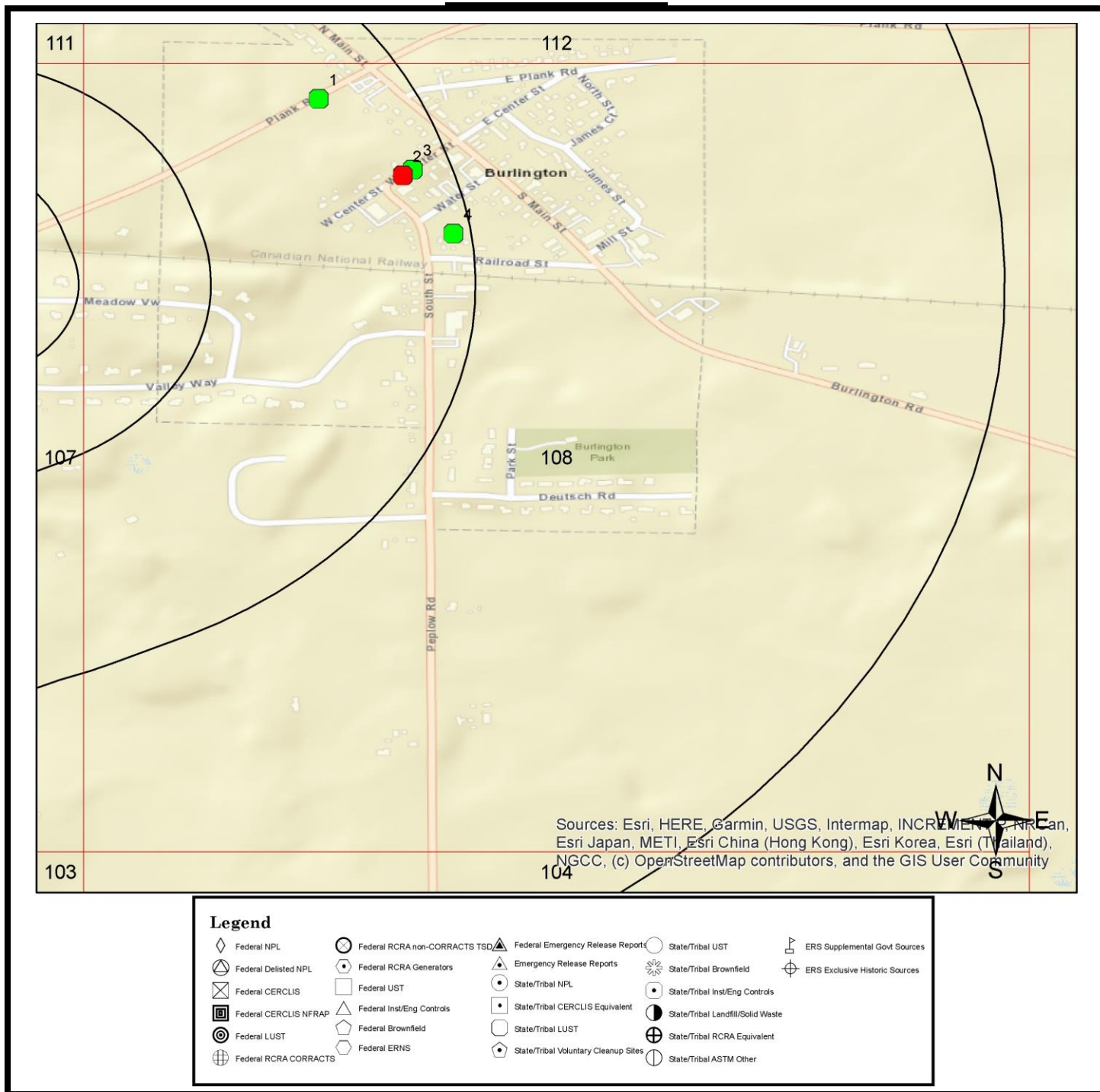
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 107



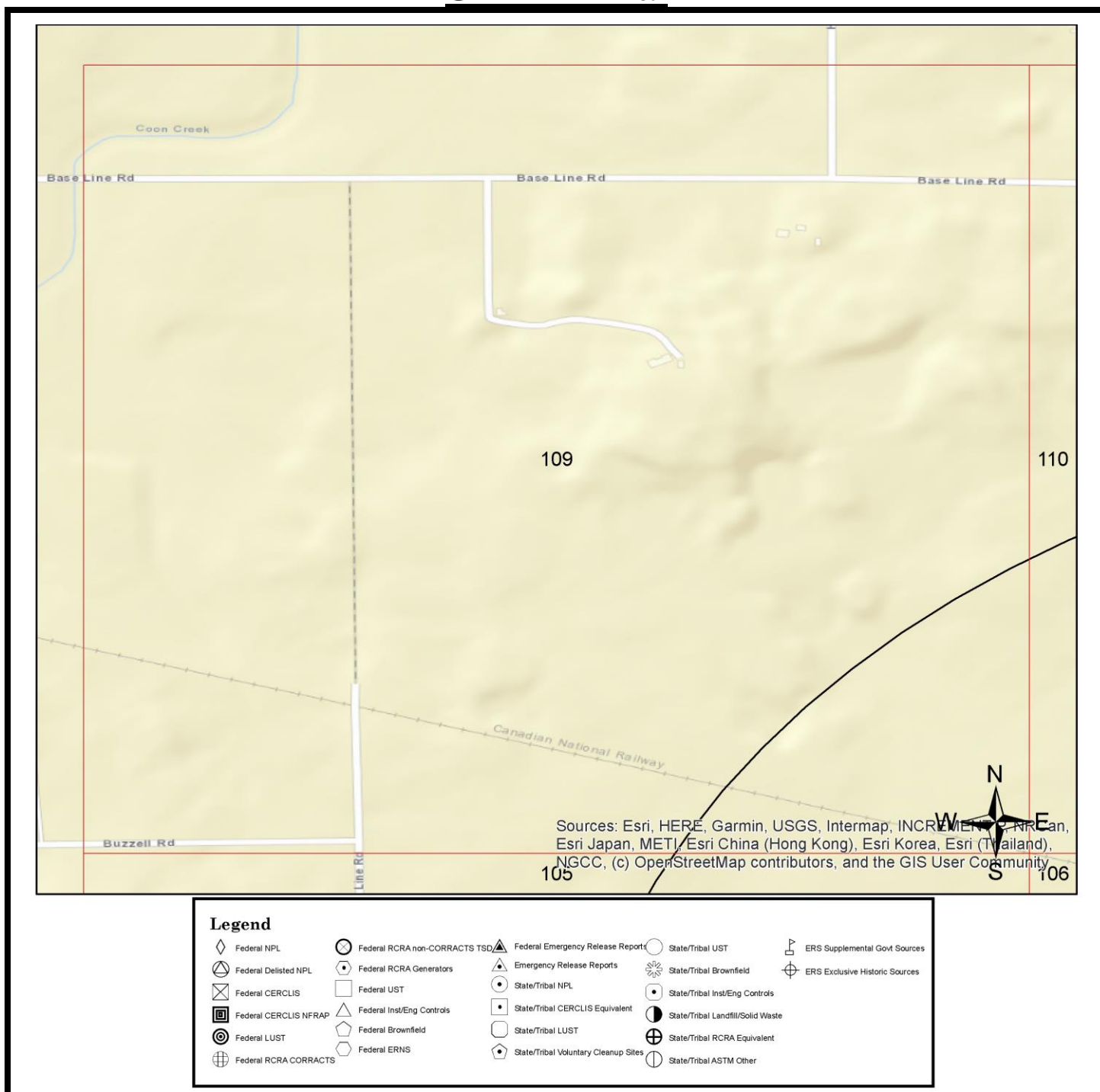
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 108



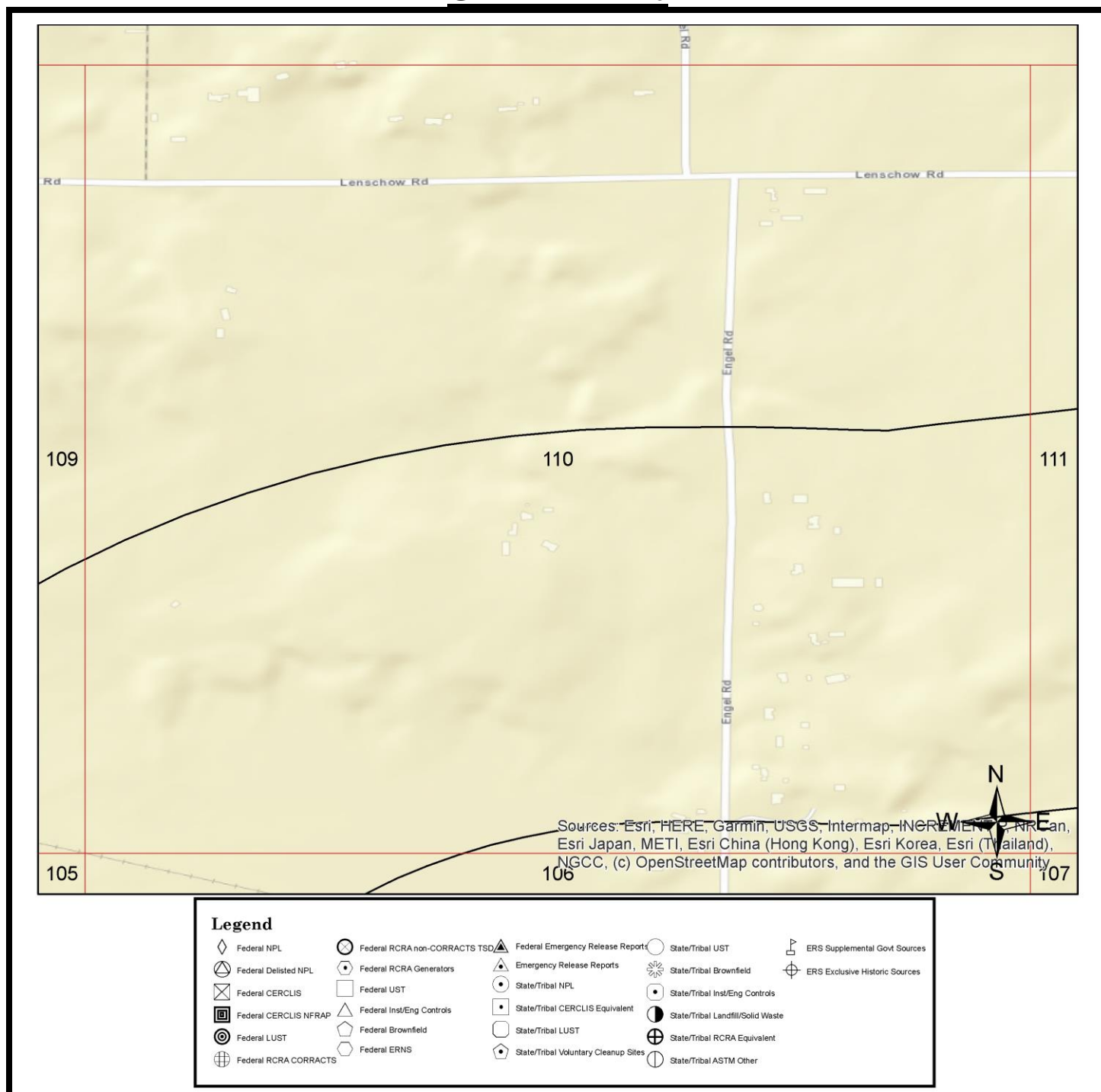
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 109



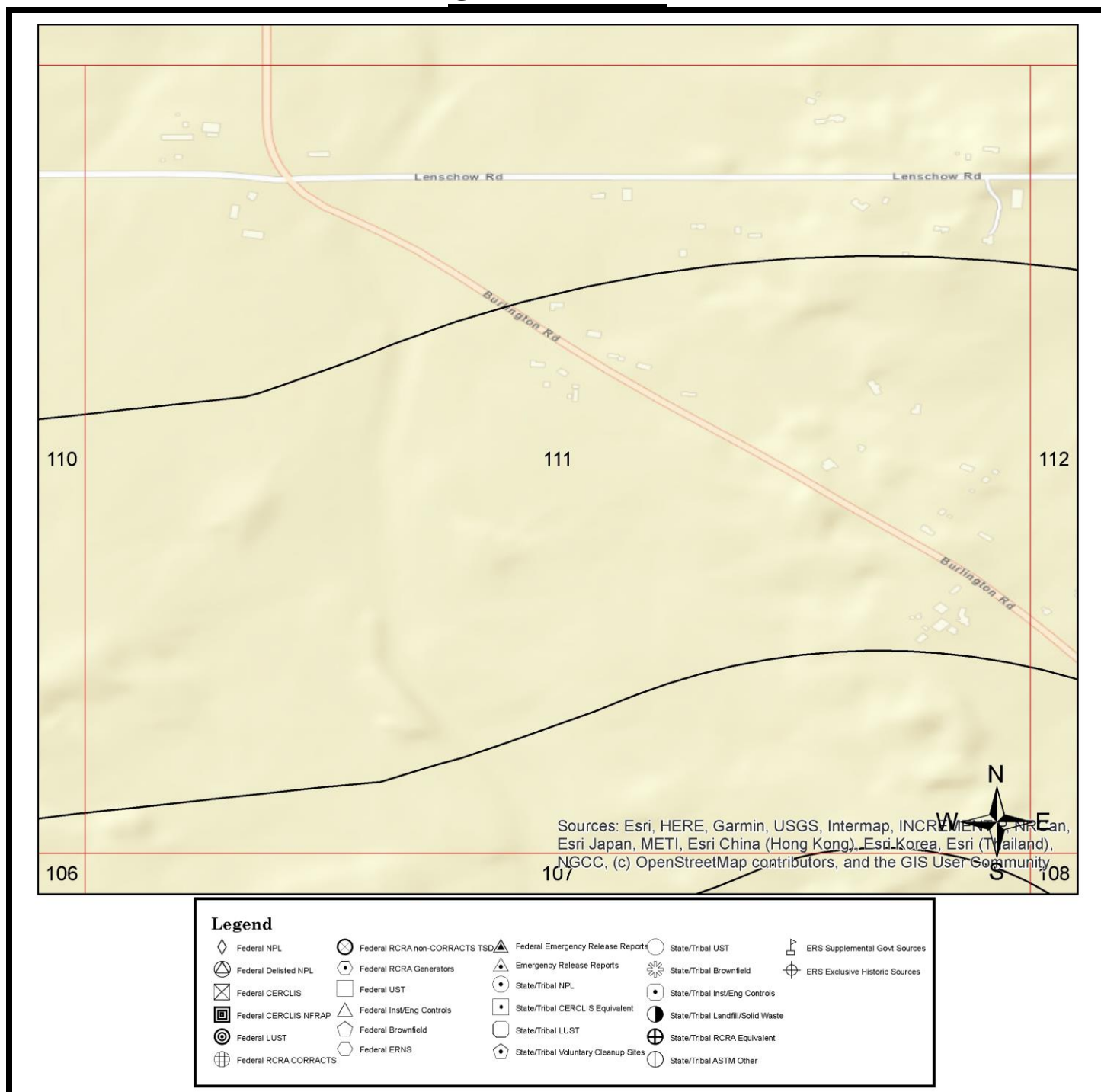
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 110



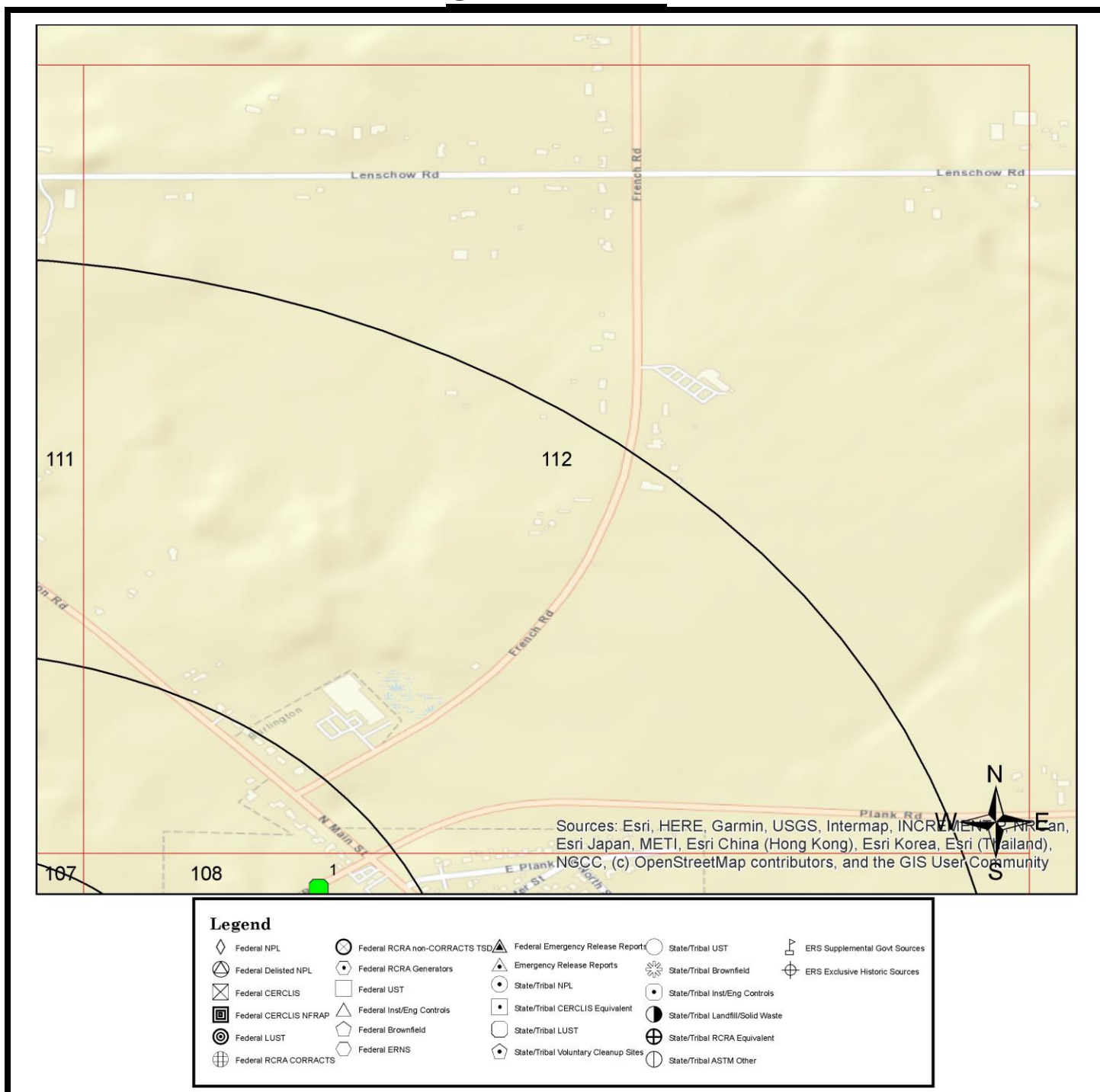
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 111



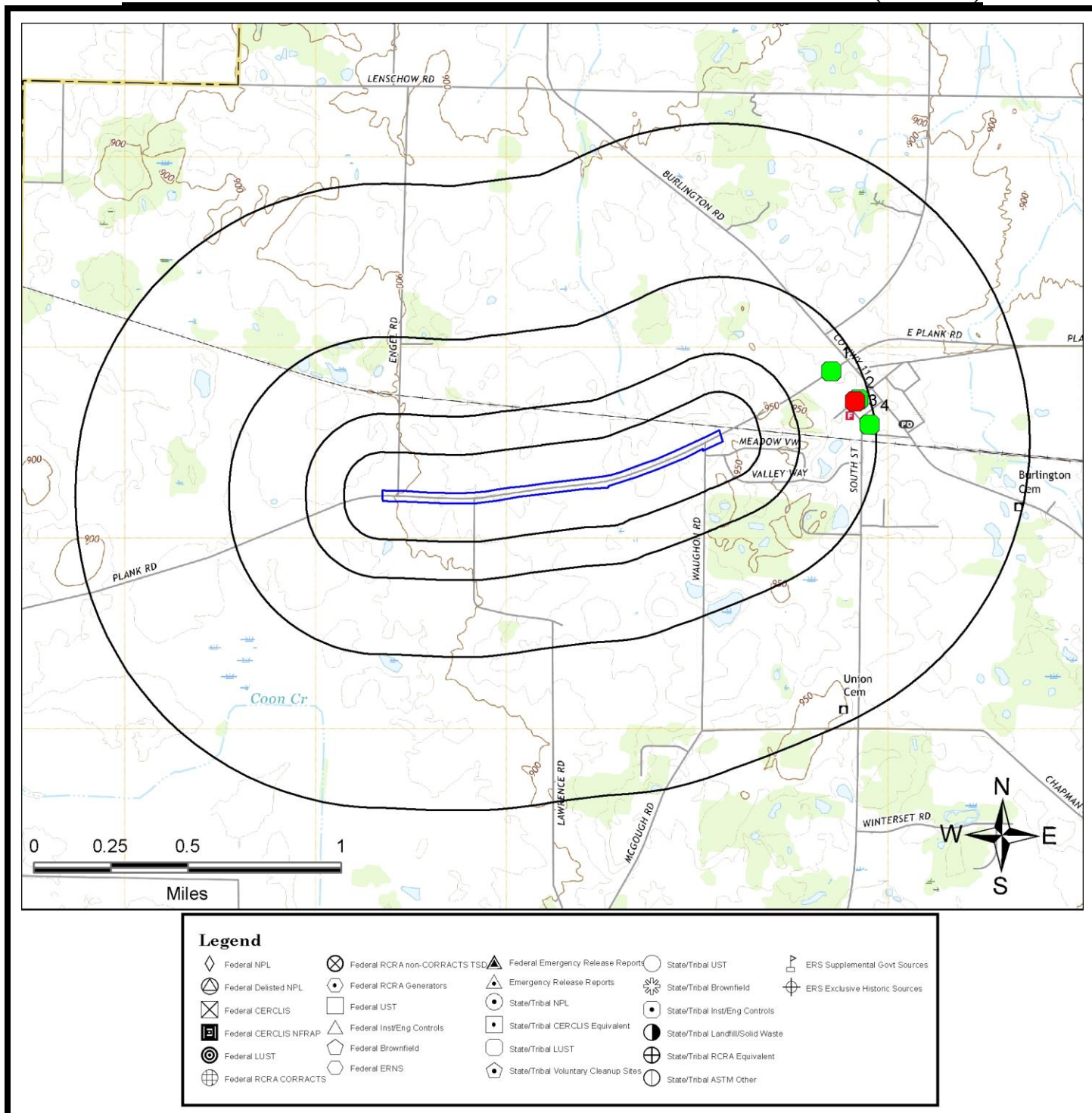
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 112



All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

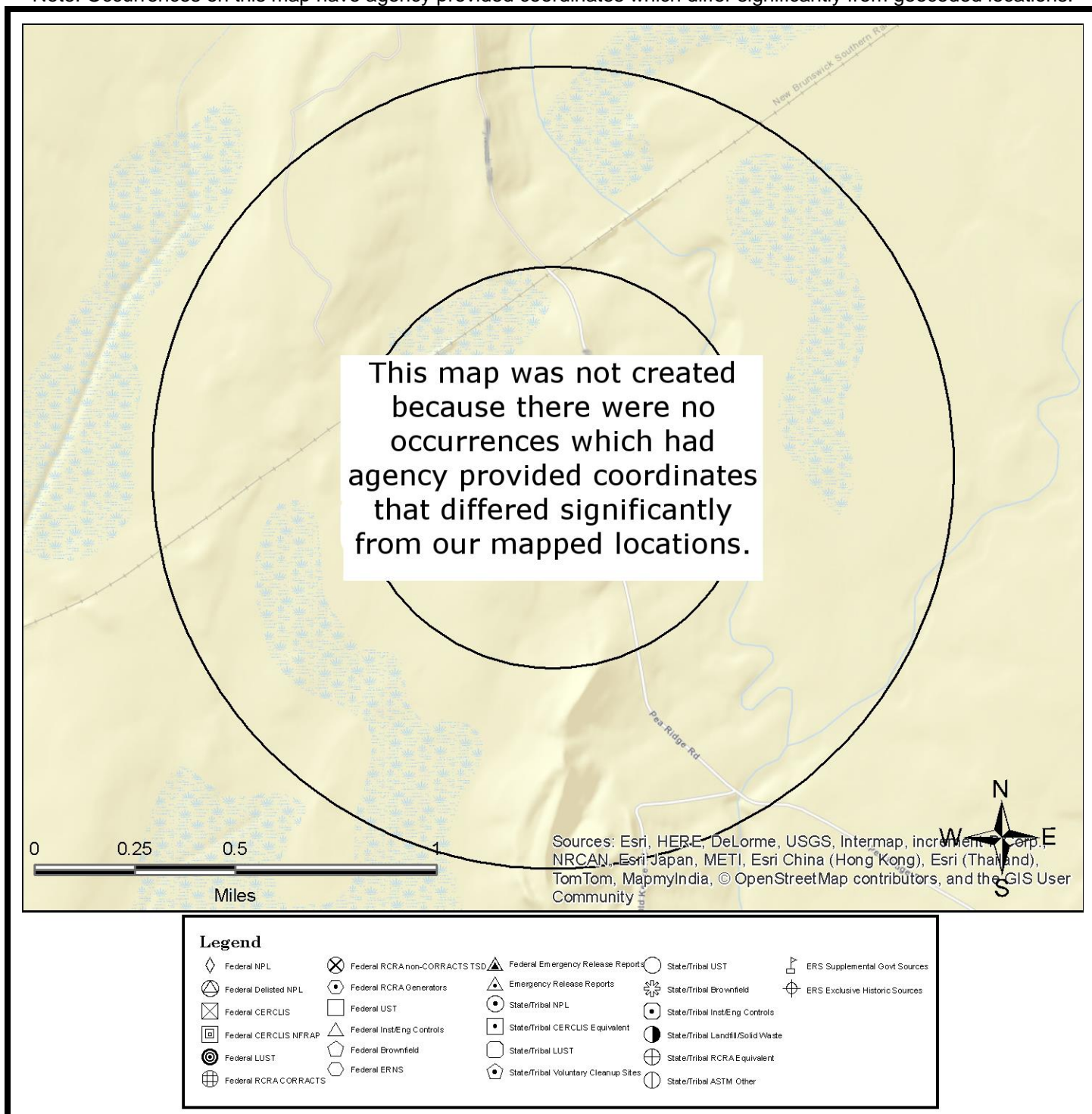
1-MILE TOPOGRAPHIC MAP W/OCCURRENCES (MAP4)



All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

AGENCY DIFFERENCES IN MAPPED LOCATIONS (MAP5)

Note: Occurrences on this map have agency provided coordinates which differ significantly from geocoded locations.



This "AGENCY DIFFERENCES IN MAPPED LOCATIONS (MAP 4)" is fully protected against reproduction in any way, shape or form by ERS Environmental Record Search. ALL applicable laws, copyrights, pending copyrights, trademarks, and any and all applicable Federal and State laws apply at all times. These protections include the concept, procedures, processes, layout, vision, color scheme, mapping layout, legends, data, any and all verbiage, and the entire concept.

SUMMARY OF AGENCY DIFFERENCES

MAP ID	ID / SITE NAME	ADDRESS / DATABASE	AGENCY COORDINATES	DISTANCE (MILES)	DIRECTION
N/A	No occurrences were identified where the agency provided coordinates that differed significantly from our mapped locations.				

LISTED OCCURRENCE DETAILS

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-IL	Closed	0.42 miles NE	930 ft	1
SITE NAME			MAPS	ID
Petersen Propane Co.			1, 4	923160
ADDRESS			CITY	ZIP
125 Plank Rd.			Burlington	60109
DETAILS				
<p>Lust Facility and Program Information</p> <p>Details URL: https://www2.illinois.gov/epa/topics/cleanup-programs/bol-database/Pages/leaking-ust.aspx</p> <p>Details URL Instructions: Go to URL, Search by Incident Number in IEMA Search Field.</p> <p>Document Explorer URL: http://external.epa.illinois.gov/DocumentExplorer/Attributes</p> <p>Document Explorer URL Instructions: Go to URL, select IEPA Bureau ID search, and put BL ID in Bureau ID field. If BL ID is not reported then search by Facility Name, Click on Name URL for Documents.</p> <p>Incident ID: 923160 Bureau of Land ID: 890155005 IEMA Date: 11/10/1992 County: Kane PrimaryResponsiblePartyName: Peterson Propane Co. PrimaryResponsiblePartyAddress: P.O. Box 398 PrimaryResponsiblePartyCity: Hampshire PrimaryResponsiblePartyState: IL PrimaryResponsiblePartyZip: 60140 PrimaryResponsiblePartyPhone: Not Reported PrimaryResponsiblePartyContact: Les Peterson Gasoline: True Unleaded: False Diesel: False Fuel Oil: False Jet Fuel: False Used Oil: False Non Petroleum Product: False Other Petroleum: False Regulated By: 734</p> <p>More Details Link</p>				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Open-IL	Open	0.45 miles E	930 ft	2
SITE NAME			MAPS	ID
Dale Herrmann's Auto Body			1,4	982238
ADDRESS			CITY	ZIP
175 East Center St.			Burlington	60109
DETAILS				
<p>Lust Facility and Program Information</p> <p>Details URL: https://www2.illinois.gov/epa/topics/cleanup-programs/bol-database/Pages/leaking-ust.aspx</p> <p>Details URL Instructions: Go to URL, Search by Incident Number in IEMA Search Field.</p> <p>Document Explorer URL: http://external.epa.illinois.gov/DocumentExplorer/Attributes</p> <p>Document Explorer URL Instructions: Go to URL, select IEPA Bureau ID search, and put BL ID in Bureau ID field. If BL ID is not reported then search by Facility Name, Click on Name URL for Documents.</p> <p>Incident ID: 982238 Bureau of Land ID: 890155001 IEMA Date: 9/10/1998 County: Kane PrimaryResponsiblePartyName: Dale Herrmann's Auto Body PrimaryResponsiblePartyAddress: P.O. Box 231 PrimaryResponsiblePartyCity: Burlington PrimaryResponsiblePartyState: IL PrimaryResponsiblePartyZip: 60109 PrimaryResponsiblePartyPhone: 8476833497 PrimaryResponsiblePartyContact: Dale Herrmann Gasoline: True Unleaded: False Diesel: False Fuel Oil: False Jet Fuel: False Used Oil: False Non Petroleum Product: False Other Petroleum: False Regulated By: 732</p> <p>More Details Link</p>				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-IL	Closed	0.46 miles E	930 ft	3
SITE NAME			MAPS	ID
Engel, Larry			1, 4	900556
ADDRESS			CITY	ZIP
155 West Center			Burlington	60109
DETAILS				
<p>Lust Facility and Program Information</p> <p>Details URL: https://www2.illinois.gov/epa/topics/cleanup-programs/bol-database/Pages/leaking-ust.aspx</p> <p>Details URL Instructions: Go to URL, Search by Incident Number in IEMA Search Field.</p> <p>Document Explorer URL: http://external.epa.illinois.gov/DocumentExplorer/Attributes</p> <p>Document Explorer URL Instructions: Go to URL, select IEPA Bureau ID search, and put BL ID in Bureau ID field. If BL ID is not reported then search by Facility Name, Click on Name URL for Documents.</p> <p>Incident ID: 900556 Bureau of Land ID: 890155002 IEMA Date: 2/28/1990 County: Kane PrimaryResponsiblePartyName: Larry Engel PrimaryResponsiblePartyAddress: Box 42 PrimaryResponsiblePartyCity: Burlington PrimaryResponsiblePartyState: IL PrimaryResponsiblePartyZip: 60109 PrimaryResponsiblePartyPhone: Not Reported PrimaryResponsiblePartyContact: Not Reported Gasoline: True Unleaded: False Diesel: False Fuel Oil: False Jet Fuel: False Used Oil: False Non Petroleum Product: False Other Petroleum: False Regulated By: 731</p> <p>More Details Link</p>				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-IL	Closed	0.48 miles E	919 ft	4
SITE NAME			MAPS	ID
Central Middle C.U.S.D. #301			1, 4	971305
ADDRESS			CITY	ZIP
44W303 Plato Rd.			Burlington	60109
DETAILS				
<p>Lust Facility and Program Information</p> <p>Details URL: https://www2.illinois.gov/epa/topics/cleanup-programs/bol-database/Pages/leaking-ust.aspx</p> <p>Details URL Instructions: Go to URL, Search by Incident Number in IEMA Search Field.</p> <p>Document Explorer URL: http://external.epa.illinois.gov/DocumentExplorer/Attributes</p> <p>Document Explorer URL Instructions: Go to URL, select IEPA Bureau ID search, and put BL ID in Bureau ID field. If BL ID is not reported then search by Facility Name, Click on Name URL for Documents.</p> <p>Incident ID: 971305 Bureau of Land ID: 890155007 IEMA Date: 7/21/1997 County: Kane PrimaryResponsiblePartyName: Central Middle C.U.S.D. #301 PrimaryResponsiblePartyAddress: P.O. Box 396, 275 South St. PrimaryResponsiblePartyCity: Burlington PrimaryResponsiblePartyState: IL PrimaryResponsiblePartyZip: 60109 PrimaryResponsiblePartyPhone: Not Reported PrimaryResponsiblePartyContact: Mike Pehan Gasoline: True Unleaded: False Diesel: False Fuel Oil: False Jet Fuel: False Used Oil: False Non Petroleum Product: False Other Petroleum: False Regulated By: 732</p> <p>More Details Link</p>				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-IL	Closed	0.48 miles E	919 ft	4
SITE NAME			MAPS	ID
Community Middle C.U.S.D. #301			1 , 4	971308
ADDRESS			CITY	ZIP
44W303 Plato Rd.			Burlington	60109
DETAILS				
<p>Lust Facility and Program Information</p> <p>Details URL: https://www2.illinois.gov/epa/topics/cleanup-programs/bol-database/Pages/leaking-ust.aspx</p> <p>Details URL Instructions: Go to URL, Search by Incident Number in IEMA Search Field.</p> <p>Document Explorer URL: http://external.epa.illinois.gov/DocumentExplorer/Attributes</p> <p>Document Explorer URL Instructions: Go to URL, select IEPA Bureau ID search, and put BL ID in Bureau ID field. If BL ID is not reported then search by Facility Name, Click on Name URL for Documents.</p> <p>Incident ID: 971308</p> <p>Bureau of Land ID: 890155007</p> <p>IEMA Date: 7/21/1997</p> <p>County: Kane</p> <p>PrimaryResponsiblePartyName: Community Middle C.U.S.D. #301</p> <p>PrimaryResponsiblePartyAddress: 275 South St.</p> <p>PrimaryResponsiblePartyCity: Burlington</p> <p>PrimaryResponsiblePartyState: IL</p> <p>PrimaryResponsiblePartyZip: 60109</p> <p>PrimaryResponsiblePartyPhone: Not Reported</p> <p>PrimaryResponsiblePartyContact: Mike Tehan</p> <p>Gasoline: True</p> <p>Unleaded: False</p> <p>Diesel: True</p> <p>Fuel Oil: False</p> <p>Jet Fuel: False</p> <p>Used Oil: False</p> <p>Non Petroleum Product: False</p> <p>Other Petroleum: False</p> <p>Regulated By: 732</p> <p>More Details Link</p>				

RECORDS SOURCES SEARCHED

ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
AST-IL	Aboveground Storage Tanks	State/Tribal UST	Click Here	None Found
BF-IL	Historical Office of Brownfields Assistance (OBA) Database (aka Brownfield Sites, Municipal Brownfields Redevelopment Grant Program Project Descriptio	State/Tribal Brownfield	Click Here	None Found
BFRAD-IL	Brownfield Redevelopment Assessment Database (aka Brownfields)	State/Tribal Brownfield	Click Here	None Found
BF-Tribal-US	Historical Tribal Brownfields	Federal Brownfield	Click Here	None Found
BF-US	Brownfields Sites	Federal Brownfields	Click Here	None Found
CERCLIS-Archived-US	CERCLIS sites that have been archived	Federal CERCLIS NFRAP	Click Here	None Found
CERCLIS-US	Comprehensive Environmental Response, Compensation, and Liability Information System	Federal CERCLIS	Click Here	None Found
City-AST-IL	City Agency Aboveground Storage Tanks	State/Tribal UST	Click Here	None Found
City-LUST-Closed-IL	City Agency Closed Leaking UST	State/Tribal LUST	Click Here	None Found
City-Others-IL	Hazardous Materials or Petroleum Products	State/Tribal ASTM Other Med	Click Here	None Found
City-UST-IL	City Agency Underground Storage Tanks	State/Tribal UST	Click Here	None Found
Controls-RCRA-US	RCRA Institutional and Engineering Controls Summary (aka Federal RCRA with Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Controls-US	US CERCLA Sites with Controls (aka US IC/EC, Institutional/Engineering List Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Debris-US	Historical Debris Sites	Federal Solid Waste	Click Here	None Found
Delisted-NPL-US	Delisted NPL Sites	Federal Delisted NPL	Click Here	None Found
EC-IL	Engineering Control Sites (aka Sites with Engineering Controls)	State/Tribal Inst/Eng Controls	Click Here	None Found
ERNS-US	Emergency Response Notification System	Federal ERNS	Click Here	None Found
EW-CRR-IL	E-Waste Collectors, Recyclers and Refurbishers	State/Tribal ASTM Other Med	Click Here	None Found

ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
EW-Resi-IL	Residential E-Waste Collection	State/Tribal ASTM Other Med	Click Here	None Found
FEMA-UST-US	Historical FEMA Underground Storage Tanks	Federal UST	Click Here	None Found
FTTS-ENF-US	Historical FIFRA/TSCA Tracking System (FTTS) Enforcement Actions	Federal ASTM Other	Click Here	None Found
Hist-Dumps-US	Historical Dumps Inventory of 1985	Federal Solid Waste	Click Here	None Found
HIST-LF-IL	Historic Landfills (aka LF WMRC)	State/Tribal Landfill/Solid Waste	Click Here	None Found
Hist-US-EC	Historical Engineering Controls Sites (aka US EC, Engineering Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Hist-US-IC	Historical Sites with Institutional Controls (aka US IC, Institutional Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
HMIS-US	Hazardous Materials Information System	Federal Emergency Release Reports	Click Here	None Found
HWAR-IL	Hazard Waste Annual Reports	State/Tribal RCRA Equivalent	Click Here	None Found
IC-IL	Institutional Control Sites	State/Tribal Inst/Eng Controls	Click Here	None Found
LF-SPW-IL	Landfills - Special Waste (aka LF Special Waste, Special Waste Site List)	State/Tribal Landfill/Solid Waste	Click Here	None Found
LIENS-US	Superfund Liens	Federal Institutional/Engineering Controls	Click Here	None Found
LUST-Closed-IL	Leaking Underground Storage Tank Incident Tracking Database, Closed Cases (aka Leaking Underground Storage Tanks)	State/Tribal LUST	Click Here	4
LUST-Open-IL	Leaking Underground Storage Tank Incident Tracking Database, Open Cases (aka Leaking Underground Storage Tanks)	State/Tribal LUST	Click Here	1
Manifest2-RI	Hazardous Waste Manifest	State/Tribal RCRA Equivalent	Click Here	None Found
NPL-R5-US	NPL Region 5 Site Boundaries	Federal NPL	Click Here	None Found
NPL-US	National Priorities List	Federal NPL	Click Here	None Found
OER-Spills-IL	Office of Emergency Response Spills (aka SPILLS)	Emergency Release Reports	Click Here	None Found
PADS-US	PCB Registration Database System	Federal ASTM Other	Click Here	None Found
PCB-US	PCB Transformers	Federal ASTM Other	Click Here	None Found

ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Proposed-NPL-US	Proposed NPL Sites	Federal NPL	Click Here	None Found
RCRA-CESQG-US	Resource Conservation and Recovery Act, Conditionally Exempt Small Quantity Generators (aka RCRA CESQG)	Federal RCRA Generators	Click Here	None Found
RCRA-COR-US	Resource Conservation and Recovery Act, - Corrective Actions (aka RCRA CORRACTS)	Federal RCRA CORRACTS	Click Here	None Found
RCRA-LQG-US	Resource Conservation and Recovery Act, Large Quantity Generators (aka RCRA LQG)	Federal RCRA Generators	Click Here	None Found
RCRA-NON-US	Resource Conservation and Recovery Act, Non-Hazardous Generators (aka RCRA Non-Haz, RCRA NonGen, RCRA No longer Regulated)	Federal RCRA Generators	Click Here	None Found
RCRA-SQG-US	Resource Conservation and Recovery Act, Small Quantity Generators (aka RCRA SQG)	Federal RCRA Generators	Click Here	None Found
RCRA-TSDF-US	Resource Conservation and Recovery Act -, Treatment, Storage, and Disposal Facilities (aka RCRA TSD, RCRA TSDF)	Federal RCRA non-CORRACTS TSD	Click Here	None Found
SAA-Agreements-US	Sites with Superfund Alternative Approach Agreements	Federal ASTM Other	Click Here	None Found
Spills-IL	Illinois Hazardous Materials Incident Reports (aka IEMA Spills)	Emergency Release Reports	Click Here	None Found
SS-IL	State Response Action Program (aka State Sites Unit Listing)	State/Tribal CERCLIS Equivalent	Click Here	None Found
STRIP-IL	Storage, Treatment, Recyclers, Incinerators and Processors List	State/Tribal ASTM Other Med	Click Here	None Found
SWF-IL	Solid Waste Facilities	State/Tribal Landfill/Solid Waste	Click Here	None Found
SWLF-US	Solid Waste Facilities	Federal Solid Waste	Click Here	None Found
Tribal-LUST-Closed-Reg5	Tribal Leaking Underground Storage Tanks, Region 5, Closed Cases (aka Indian Lust)	Federal LUST	Click Here	None Found
Tribal-LUST-Open-Reg5	Tribal Leaking Underground Storage Tanks, Region 5, Open Cases (aka Indian Lust)	Federal LUST	Click Here	None Found
Tribal-ODI-US	Tribal Open Dump Sites	Federal Solid Waste	Click Here	None Found
Tribal-UST-Reg5	Tribal Underground Storage Tanks (aka INDIAN UST)	Federal UST	Click Here	None Found

ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Tribal-VCP-US	Tribal VCP	Federal Tribal VCP	Click Here	None Found
UECA-IL	Illinois Uniform Environmental Covenants Registry (aka Uniform Environmental Covenants Act)	State/Tribal Inst/Eng Controls	Click Here	None Found
UST-IL	Underground Storage Tank Database (aka Underground Storage Tank Facility List)	State/Tribal UST	Click Here	None Found
VCP-Closed-IL	Site Remediation Program Database, Closed Cases (aka SRP)	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
VCP-Open-IL	Site Remediation Program Database, Open Cases (aka SRP)	State/Tribal Voluntary Cleanup Sites	Click Here	None Found

UN-MAPPABLE OCCURRENCES

The following occurrences were not mapped primarily due to incomplete or inaccurate address information. All of the following occurrences were determined to share the same zip code as the area searched. General status information is given with each occurrence along with any address information entered by the agency responsible for the list.

ID	Facility Name	Address	Database	Status
No "un-mapped" sites requested.				

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Aerial Photo & Topographic Map Research

REPORT RESULTS

Report Results for:

Kate Kasch
Hampton Lenzini and Renwick Inc.
380 Shepard Drive
Elgin, IL 60123
2104726431 AOTO
October 1, 2020

Site Information:

Plank Road
Plank Road-Engel Road to Waughton Road
Kane County, IL

Subject Site:

Client's Project #:

Address:

City, State Zip:

**Plank Road-Engel Road to
Waughton Road
Kane County, IL****ERS Order #:****2104726431 AOTO****Prepared For:**

Name:

Company:

Address:

City, State Zip:

**Kate Kasch
Hampton Lenzini and Renwick Inc.
380 Shepard Drive
Elgin, IL 60123****Date:****October 1, 2020****Prepared By:**

Name:

Phone #:

**Daniel Johnson
(714) 669-8096
Ext. 1003**

Enclosed are the results of our.....

Aerial Photograph and Topographic Map Research

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Note: This box is not representative of your site's boundaries. It is simply a tool to assist you with the location of your site within the image. The box has been placed in the same location on each image to help you locate your site easily from year to year. If you have any problems locating your site, please call us. We are here to help.

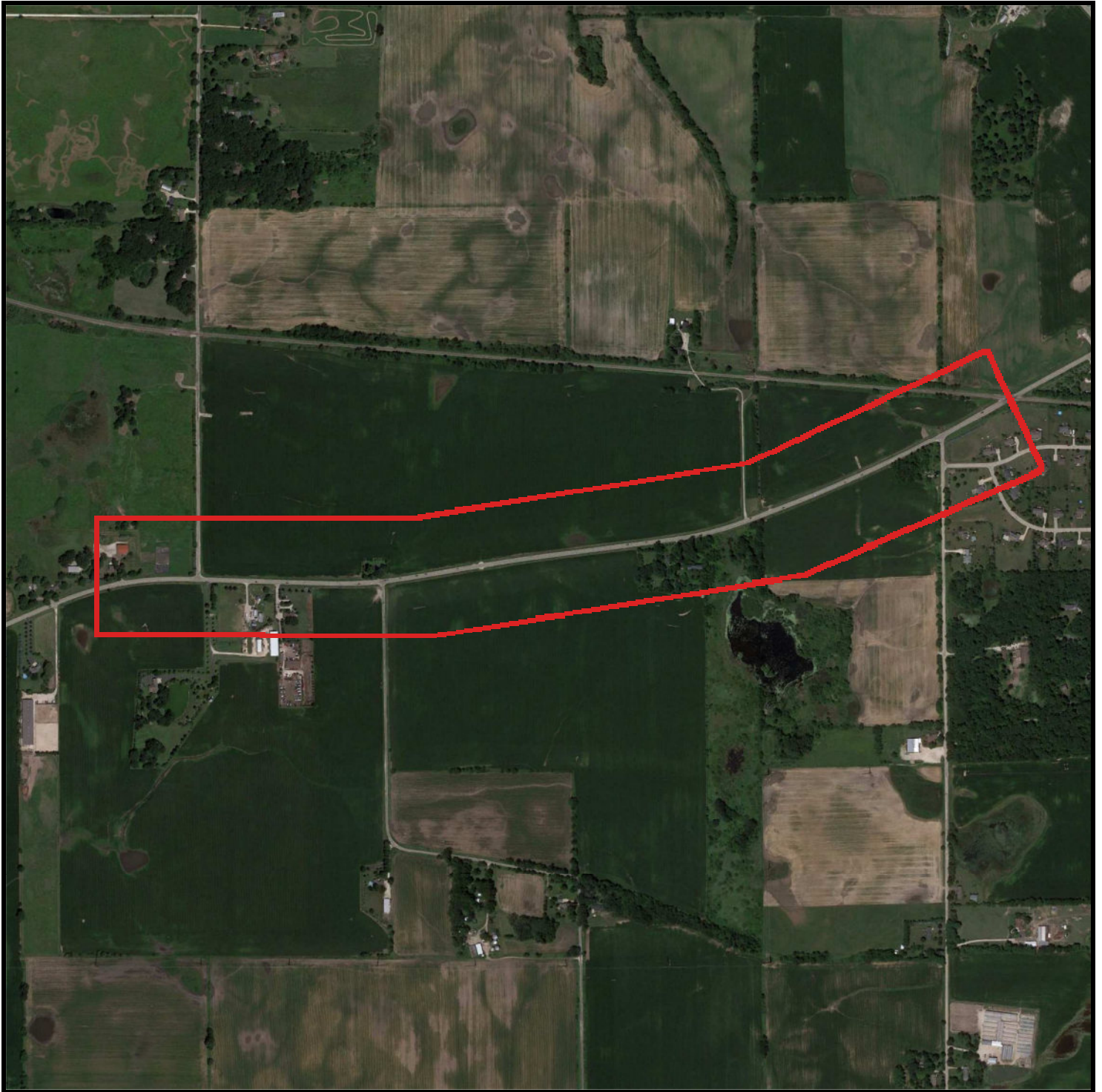
Aerial photo years available:

2018	2011	2005	1998	1981
1972	1953	1939		

This report includes the following USGS Topographic Map Series:

Quadrangle Name	Series	Original Scale	Contour Interval (ft)	Years
HAMPSHIRE	7.5 Minute	1:24,000	10'	2018, 1991, 1970
GENOA	15 Minute	1:62,500	10'	1938

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Historical Aerial Photo
Year 2018

**Plank Road-Engel Road to Waughton Road
Kane County, IL**



Target Site: 42.047883, -88.5655759 Job #: 2104726431



Historical Aerial Photo
Year 2011

**Plank Road-Engel Road to Waughton Road
Kane County, IL**



Target Site: 42.047883, -88.5655759 Job #: 2104726431

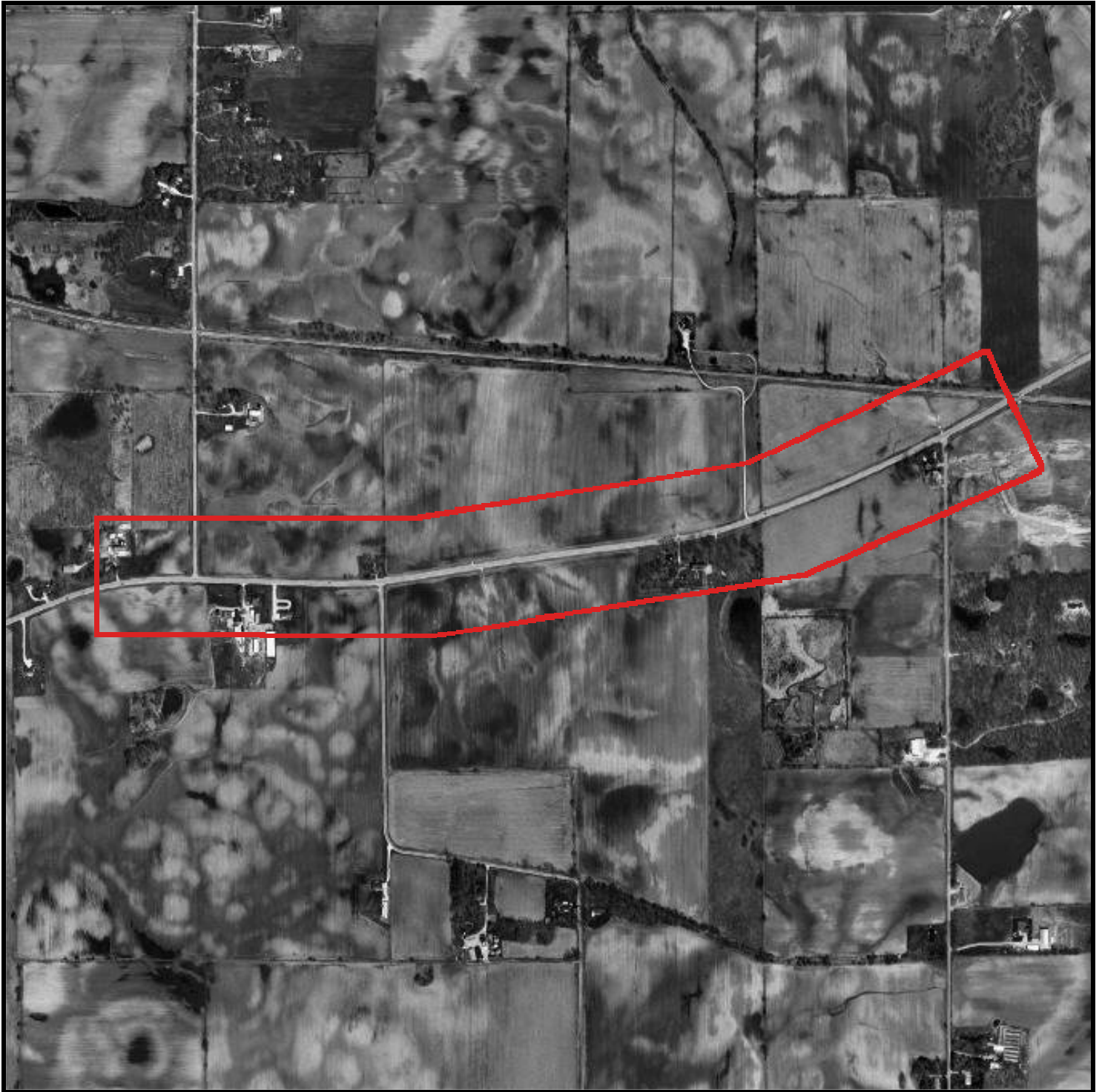


Historical Aerial Photo
Year 2005

**Plank Road-Engel Road to Waughton Road
Kane County, IL**



Target Site: 42.047883, -88.5655759 Job #: 2104726431



Historical Aerial Photo
Year 1998

**Plank Road-Engel Road to Waughton Road
Kane County, IL**



Target Site: 42.047883, -88.5655759 Job #: 2104726431



Historical Aerial Photo
Year 1981

**Plank Road-Engel Road to Waughton Road
Kane County, IL**



Target Site: 42.047883, -88.5655759 Job #: 2104726431



Historical Aerial Photo
Year 1972

**Plank Road-Engel Road to Waughton Road
Kane County, IL**



Target Site: 42.047883, -88.5655759 Job #: 2104726431



Historical Aerial Photo
Year 1953

**Plank Road-Engel Road to Waughton Road
Kane County, IL**



Target Site: 42.047883, -88.5655759 Job #: 2104726431

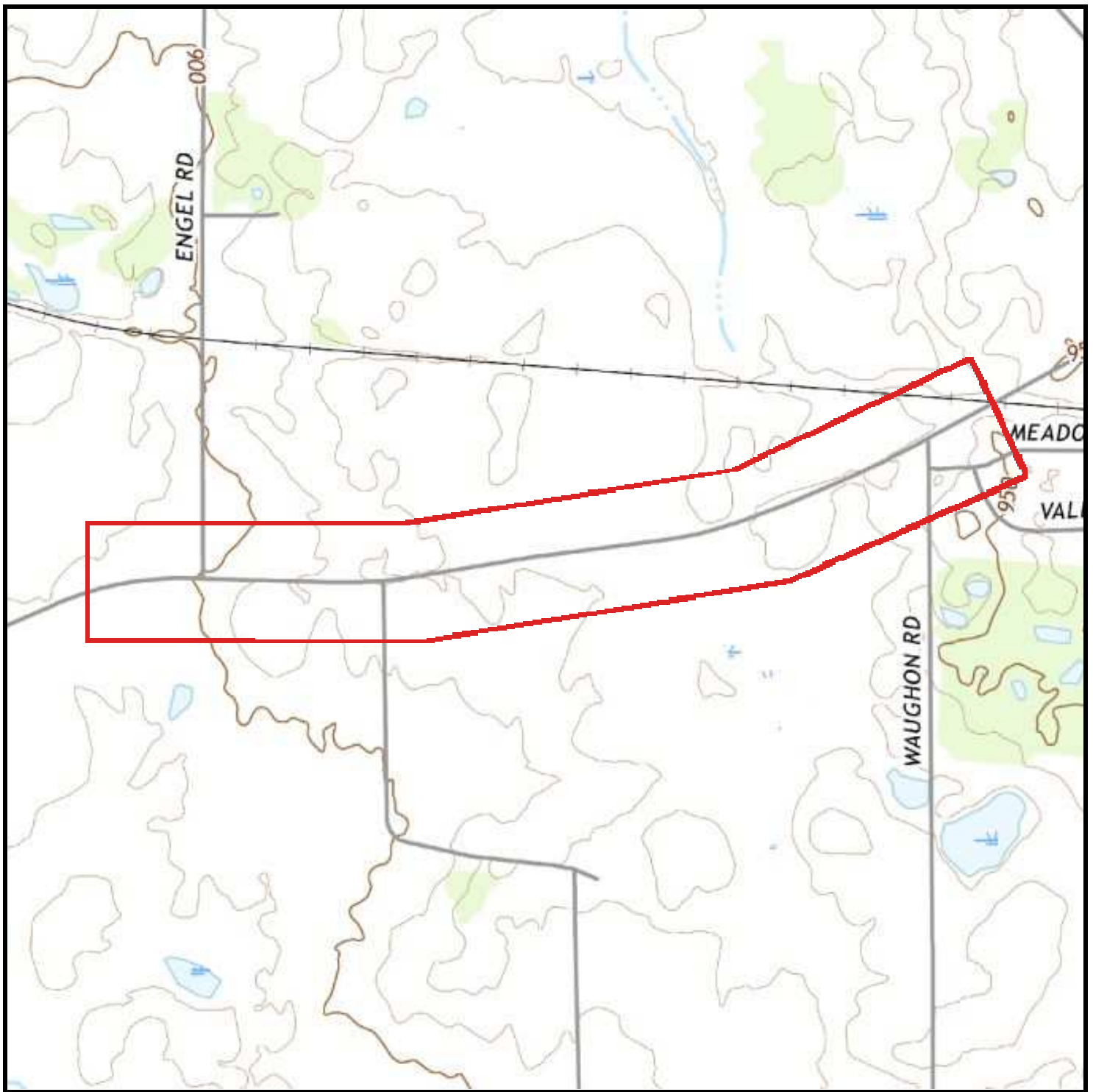


Historical Aerial Photo
Year 1939

**Plank Road-Engel Road to Waughton Road
Kane County, IL**



Target Site: 42.047883, -88.5655759 Job #: 2104726431

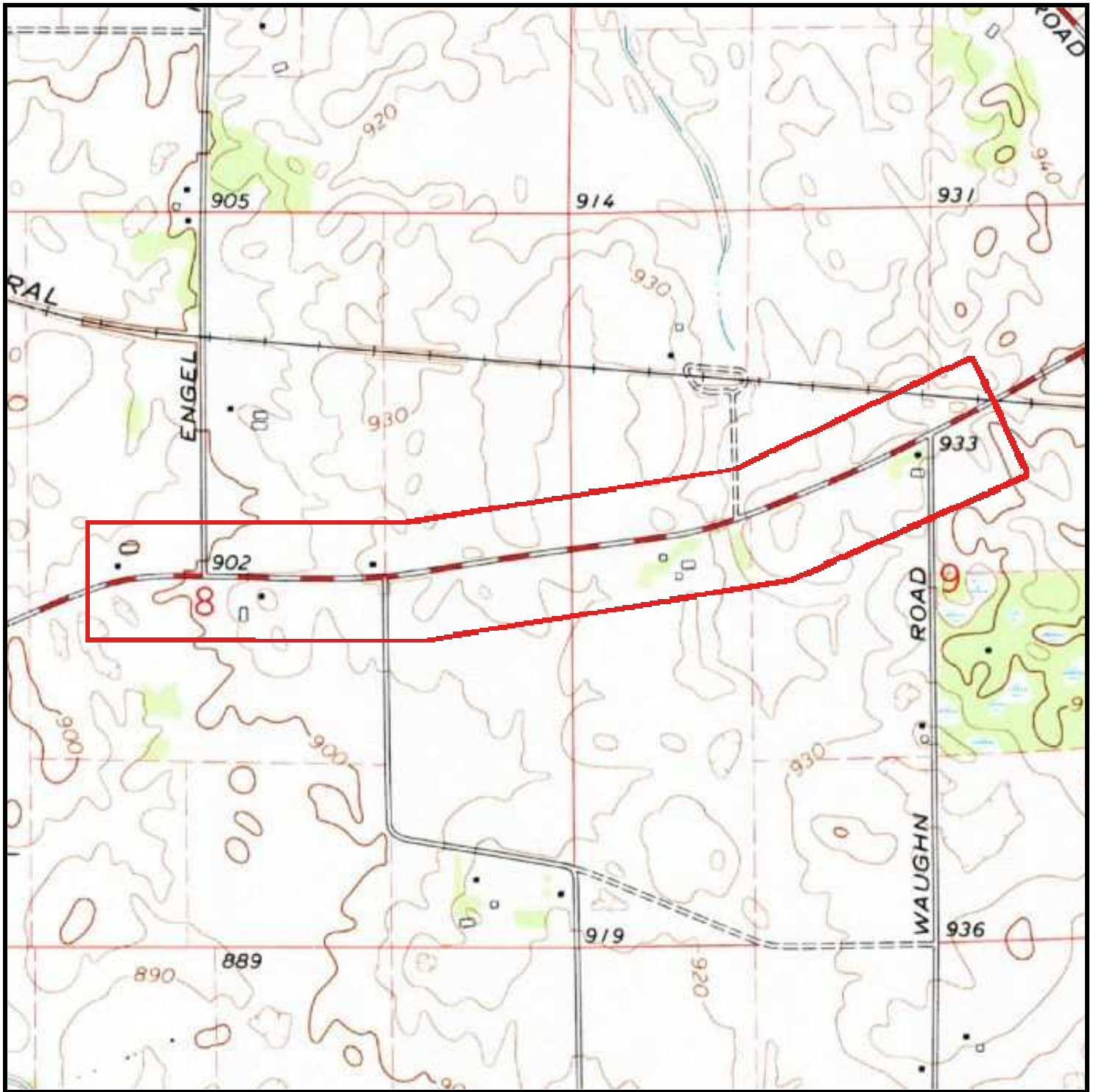


Historical Topographic Map
Year 2018

**Plank Road-Engel Road to Waughton Road
Kane County, IL**



Target Site: 42.047883, -88.5655759 Job #: 2104726431

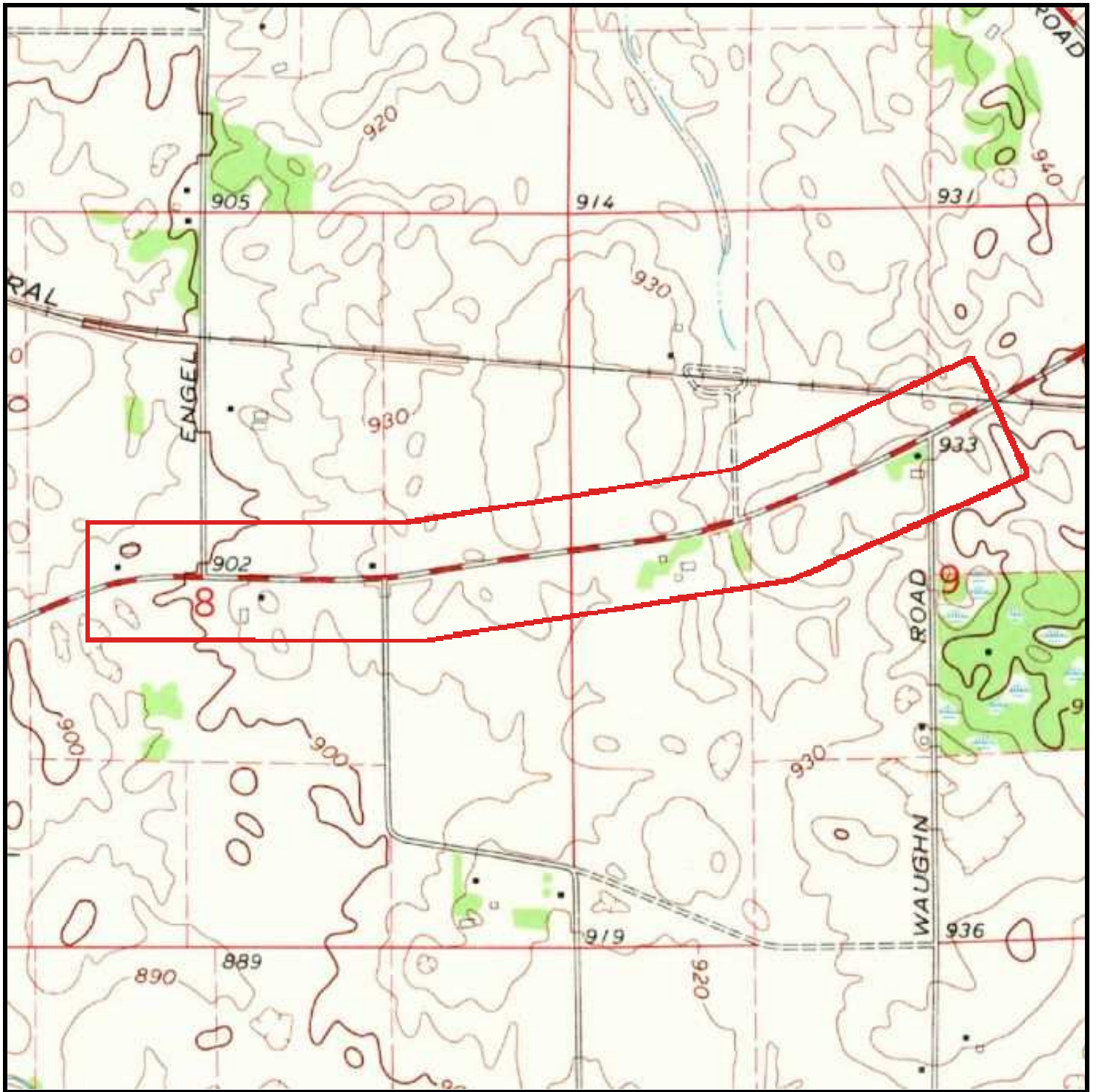


Historical Topographic Map
Year 1991

**Plank Road-Engel Road to Waughton Road
Kane County, IL**



Target Site: 42.047883, -88.5655759 Job #: 2104726431

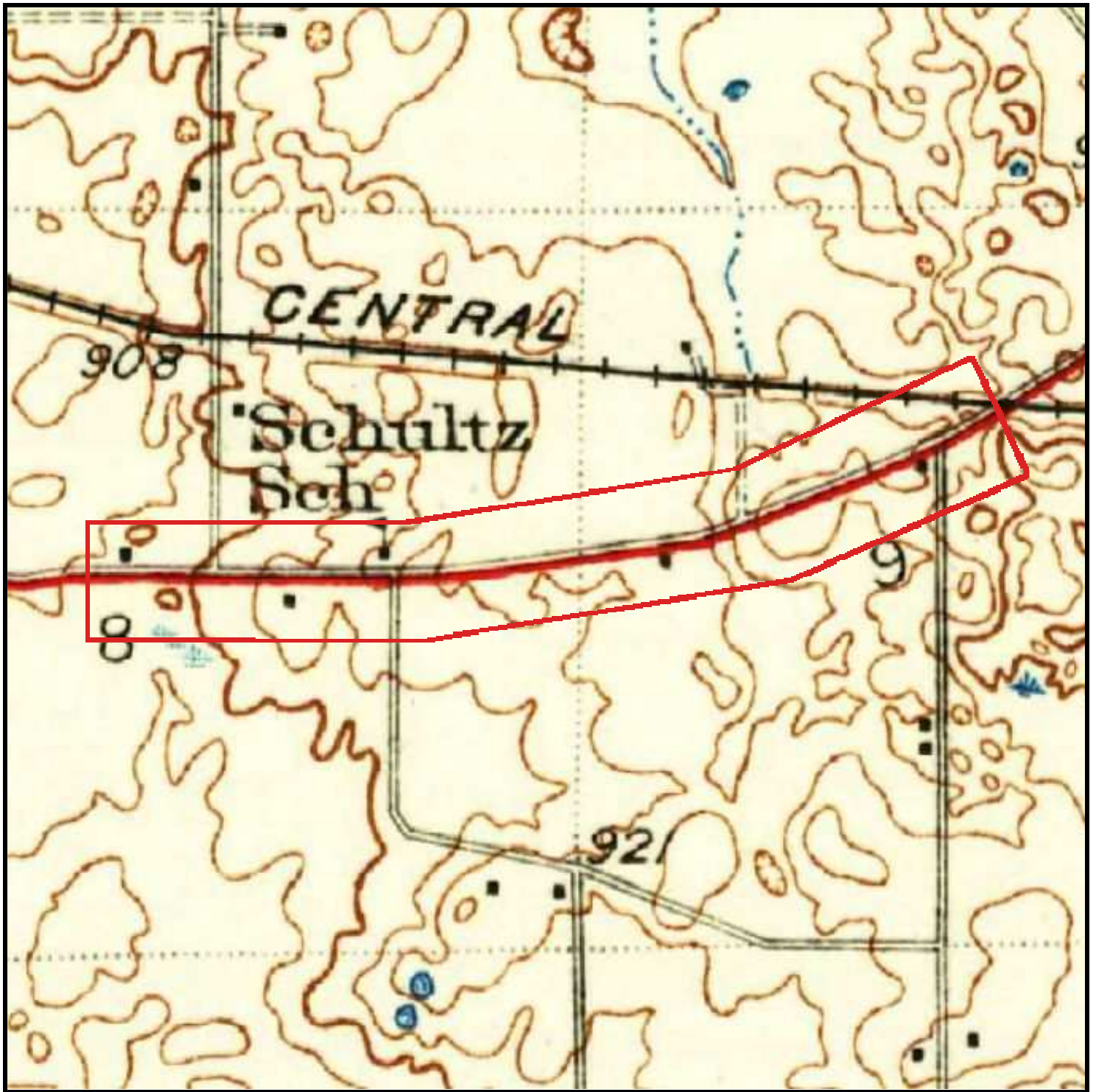


Historical Topographic Map
Year 1970

Plank Road-Engel Road to Waughton Road
Kane County, IL



Target Site: 42.047883, -88.5655759 Job #: 2104726431



Historical Topographic Map
Year 1938

**Plank Road-Engel Road to Waughton Road
Kane County, IL**



Target Site: 42.047883, -88.5655759 Job #: 2104726431



Hampton, Lenzini and Renwick, Inc.

Civil Engineers • Structural Engineers • Land Surveyors • Environmental Specialists
www.hltrengineering.com

**WETLAND DELINEATION REPORT
FOR
PLANK ROAD SHOULDER IMPROVEMENTS**

Prepared for:

**KANE COUNTY DIVISION OF TRANSPORTATION
41W011 Burlington Road
St. Charles, Illinois**

Prepared by:

Hampton, Lenzini and Renwick, Inc.

September 2020

WETLAND DELINEATION REPORT

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Figure 3. U.S. Department of Agriculture Soil Survey Map

Figure 4. National Wetlands Inventory Map

Figure 5. Flood Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM)

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Appendix C – Wetland Determination Data Forms

Appendix D – Floristic Quality Assessment

1. EXECUTIVE SUMMARY

This report summarizes the wetland delineation conducted for the shoulder improvements along Plank Road in Burlington, Kane County, Illinois. On August 27, 2020, Hampton, Lenzini and Renwick, Inc. (HLR) investigated the project area for potential wetlands and other special management areas (Sites). Two Sites were identified and investigated for the presence of wetlands and other Waters of the U.S. (WOUS). Two Sites (Site 1 and Site 2) consist of wetlands totaling 0.19 acres were found within the project area. Both extend outside of the project boundaries. Wetland boundaries were marked with pink flagged pin stakes labeled "WETLAND DELINEATION", and surveyed. The approximate wetland boundaries are identified on **Figure 1: Location and Wetland Boundary Map** (see **Appendix A**. Figures). Based on the field investigation, it appears that both Site 1 and 2 would be considered isolated wetlands. Jurisdictional wetlands require coordination and permitting through the U.S. Army Corps of Engineers (USACE) Chicago District if impacts are proposed. Therefore, a jurisdictional determination request should be submitted to the USACE to confirm that the wetland is jurisdictional. If the wetland is determined to be isolated, coordination and permitting through Kane County will be required. Site characteristics are summarized in Table 1.1.

TABLE 1.1
SITE SUMMARY

Location	Wetland/ Waters Type	Stream/River Association	Anticipated Jurisdictional Status*
Site 1	Farmed Depression	None	Isolated
Site 2	Open Depression	None	Isolated

*A final determination must be made by the USACE

2. PROJECT DESCRIPTION

Kane County Division of Transportation (DOT) is proposing shoulder improvement work along Plank Road. HLR investigated the project area for potential wetlands, waters of the U.S. and other special management areas (Sites) on August 27, 2020. The project area is located along Plank Road from Engel Road to Waughon Road, Township 41 North, Range 6 East and Sections 8 and 9. This report summarizes the findings of the investigation conducted for the proposed project. All wetland areas within the project area were staked and surveyed by HLR.

3. WETLAND REGULATIONS

The USACE (Federal Register 1982) and the U.S. Environmental Protection Agency (Federal Register 1980) jointly define wetlands as: "Those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions". Identification of wetlands is based on a three-factor approach involving indicators of hydrophytic vegetation, hydric soil, and wetland hydrology, originally set forth by the USACE in the *1987 Wetland Delineation Manual*. As of 2010, a series of regional supplements to the *1987 Wetland Delineation Manual* were released outlining updated technical guidance and procedures for identifying and delineating wetlands that may be subject to regulatory jurisdiction under Section 404 of the Clean Water Act or Section 10 of the Rivers and Harbors Act. The wetland delineation was conducted using methodology presented in the *2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0)*. Additional field data was recorded, as needed, to satisfy wetland provisions of the Kane County Stormwater Ordinance.

During the field investigation, HLR evaluated each potential wetland area for the presence of wetland indicators comprised of hydrophytic vegetation, hydric soils, and wetland hydrology. Information regarding Wetland Delineation Methodology is provided below.

A jurisdictional wetland is a wetland that is connected or adjacent to a "Waters of the U.S." (WOUS). A WOUS is defined as interstate waters and wetlands as is further defined in the Federal Register 40 CFR 230.3(s). The final determination regarding jurisdictional status must be made by the USACE.

4. **WETLAND DELINEATION METHODOLOGY**

This wetland delineation was conducted according to the *2010 COE Regional Supplement*. Each potential wetland area was evaluated for the presence of wetland indicators comprised of hydrophytic vegetation, hydric soils, and wetland hydrology.

To evaluate the presence of hydrophytic vegetation, data is gathered using a graduated series of plots, one for each vegetation stratum. Plot shape and size is dictated by vegetation type as well as shape and size of the plant community being evaluated. Table 4.1 presents vegetation strata and standard plot/sample sizes used for sampling purposes as defined by the *2010 COE Regional Supplement*.

**TABLE 4.1
VEGETATION STRATA AND PLOT SIZE FOR THE MIDWEST REGION**

Stratum	Description	Plot and sample size standards
Trees	Woody plants three inches (7.6 cm) or more in diameter at breast height (DBH), regardless of height.	30-foot (9.1 meter) radius
Sapling/Shrub	Woody plants less than 3 inches DBH and greater than 3.28 feet (1 m) tall.	15-foot (4.6 meter) radius
Herb	Herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants less than 3.28 feet tall.	5-foot (1.5 meter) radius or 3.28 by 3.28 foot square (1 meter square) quadrat
Woody Vines	Woody vines greater than 3.28 feet in height.	30-foot (9.1 meter) radius

As the areas investigated varied in wetland type, the plot sizes for each stratum were adjusted accordingly, to accurately represent the area being assessed.

The indicator status and percent absolute cover for the plant species within plots for all vegetation strata is then recorded. The indicator status for plant species are rated based on estimated probability of occurring in wetlands. This rating system, which was published by the U.S. Fish and Wildlife Service in 1988 (updated April 2016) under the title *National List of Plant Species That Occur in Wetlands: North Central (Region 3)*, consists of obligate wetland plants (OBL), facultative-wet plants (FACW), facultative plants (FAC), facultative upland plants (FACU), and upland plants (UPL). Obligate plant species generally grow in water, facultative plant species can exist in saturated or dry soil conditions, and upland plants typically require dry soil conditions to exist.

The dominance test (Indicator 1), the prevalence index (Indicator 2), and morphological adaptations (Indicator 3) determine the presence or absence of hydrophytic vegetation within plots for all vegetation strata. To pass the dominance test, more than 50 percent of the dominant plant species across all strata must be rated OBL, FACW, or FAC. The "50/20 rule", as outlined by the *2010 COE Regional Supplement*, provides an objective procedure for the selection of dominant plant species within each stratum. In general, dominants are the most abundant species that individually or collectively account for more than 50 percent of the total coverage of vegetation in the stratum, plus any other species that by itself accounts for at least 20 percent of the total cover.

The prevalence index is a weighted average wetland indicator status of all plants, both dominant and non-dominant species, within a sampling plot. Each indicator status category is given a numeric value (OBL = 1, FACW = 2, FAC = 3, FACU = 4, and UPL = 5) and weighted by its abundance (absolute percent cover). A prevalence index of 3.0 or less indicates the presence of hydrophytic vegetation.

Morphological adaptations are often present in plants within wetland areas to help them survive prolonged inundation and saturation in the root zone. Morphological adaptations can be used as an additional hydrophytic vegetation indicator, when observed in more than 50 percent of the individuals of a FACU species living in an area where indicators of hydric soil and wetland hydrology are present.

A description of the soil profile is used to evaluate the presence of hydric soil. Documentation of these primary and secondary indicators is used to determine wetland hydrology during the field investigation. Hydric soil indicators include the following as defined by the *2010 COE Regional Supplement; Hydric Soil Indicators, Chapter 3*.

- | | |
|------------------------------------|-------------------------------|
| • A1. Histisol | • S4. Sandy Gleyed Matrix |
| • A2. Histic Epipedon | • S5. Sandy Redox |
| • A3. Black Histic | • S6. Stripped Matrix |
| • A4. Hydrogen Sulfide | • S7. Dark Surface |
| • A5. Stratified Layers | • S8. Polyvalue Below Surface |
| • A6. Organic Bodies | • S9. Thin Dark Surface |
| • A7. 5 cm Mucky Mineral | • F1. Loamy Mucky Material |
| • A8. 1 cm Muck | • F2. Loamy Gleyed Matrix |
| • A10. 2 cm Muck | • F3. Depleted Matrix |
| • A11. Depleted Below Dark Surface | • F6. Redox Dark Surface |
| • A12. Thick Dark Surface | • F7. Depleted Dark Surface |
| • S1. Sandy Mucky Mineral | • F8. Redox Depressions |
| • S3. 5 cm Mucky Peat or Peat | • F12. Iron-Manganese Masses |

Wetland hydrology indicators, outlined by the *2010 COE Regional Supplement; Hydric Soil Indicators, Chapter 4*, are separated into four groups and divided into a primary or secondary category based on their estimated reliability in this region. Primary indicators provide standalone evidence of a current or recent hydrological event. Secondary indicators provide evidence of recent inundation or saturation when supported by one or more other primary or secondary indicator, but should not be used alone. Documentation of wetland indicators is used to determine wetland hydrology during the field investigation. Table 4.2 presents the wetland hydrology indicators for this region.

TABLE 4.2
WETLAND HYDROLOGY INDICATORS FOR THE MIDWEST REGION

Indicator	Category	
	Primary	Secondary
Group A – Observation of Surface Water or Saturated Soils		
A1 – Surface water	X	
A2 – High water table	X	
A3 – Saturation	X	
Group B – Evidence of Recent Inundation		
B1 – Water marks	X	
B2 – Sediment deposits	X	
B3 – Drift deposits	X	
B4 – Algal mat or crust	X	
B5 – Iron deposits	X	
B7 – Inundation visible on aerial imagery	X	
B8 – Sparsely vegetated concave surface	X	
B9 – Water-stained leaves	X	
B13 – Aquatic fauna	X	

Indicator	Category	
	Primary	Secondary
B14 – True aquatic plants	X	
B6 – Surface soil cracks		X
B10 – Drainage patterns		X
Group C – Evidence of Current or Recent Soil Saturation		
C1 – Hydrogen sulfide odor	X	
C3 – Oxidized rhizospheres along living roots	X	
C4 – Presence of reduced iron	X	
C6 – Recent iron reduction in tilled soils	X	
C7 – Thin muck surface	X	
C2 – Dry-season water table		X
C8 – Crayfish burrows		X
C9 – Saturation visible on aerial imagery		X
Group D – Evidence from Other Site Conditions or Data		
D9 – Gauge or well data	X	
D1 – Stunted or stressed plants		X
D2 – Geomorphic position		X
D5 – FAC-neutral test		X

A Floristic Quality Index (FQI) value is generated for each Site based on the methodology outlined in "Plants of the Chicago Region" (Swink and Wilhelm, 1994). This is an index that rates the quality of an area based on the composition of its plant community. A coefficient of conservatism (C value), ranging from 0 to 10 is assigned to native plants as listed in the "Plants of the Chicago Region". Low C values have been assigned to weeds or species that can exist in a wide range of conditions. An area of high natural quality would include conservative native plants that are adapted to a specialized community context and would have a mean C value of 5 or greater. From the mean C value, an FQI for the Site is obtained by multiplying the mean C value of all native plants encountered in a Site by the square root of the number (N) of native species. FQI values of 0 to 5.0 are considered severely degraded, 5.1 to 9.9 as degraded, 10 to 19.9 are considered to have some native character, and those with values greater than 20 are considered to have natural characteristics and considered to be high quality.

5. MAP REVIEW

Prior to performing a field investigation, several maps were reviewed to establish the probability and approximate location of potential wetlands and WOUS within the study area. Copies of the reviewed maps are attached as Figures 2 through 6. These sources provide an indication if wetlands or other environmentally sensitive areas may occur within a project area. Some of these map sources are based on aerial photographs that have not been ortho-corrected and are only to be used as a guidance tool. A field investigation is required to establish actual wetland boundaries.

- The **United States Geologic Survey (USGS) Topographic Map**, Hampshire Quadrangle, included as **Figure 2**, does not identify wetlands or other water resources in the study area.
- The **United States Department of Agriculture (USDA) Soil Survey Map**, included as **Figure 3**, shows the following soil mapping units within the study limits:
 - Bowes silt loam, 4 to 6 percent slopes, eroded (792C2)
 - Danabrook silt loam, 2 to 5 percent slopes (512B)
 - Drummer silty clay loam, 0 to 2 percent slopes (152A)
 - Elpaso silty clay loam, 0 to 2 percent slopes (356A)

- Fox silt loam, 2 to 4 percent slopes (327B)
- Herbert silt loam, 0 to 2 percent slopes (62A)
- Kidami silt loam, 2 to 4 percent slopes (527B)
- Kidami loam, 4 to 6 percent slopes, eroded (527C2)
- Octagon silt loam, 2 to 4 percent slopes (656B)
- Wingate silt loam, cool mesic, 2 to 5 percent slopes (348B)

Of these ten soil mapping units, only Drummer and Elpaso are considered a hydric soil.

- The **National Wetlands Inventory (NWI) Map**, included as **Figure 4**, indicates that no wetlands are present within the study area.
- The **Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map**, included as **Figure 5**, indicates that no floodways or floodplains are located within the study limits.
- The **Kane County Advanced Identified (ADID) Map**, included as **Figure 6**, indicates that no wetlands are present within the study area.

6. FINDINGS

The study area consists of Plank Road, its right-of-way and adjacent 50 feet. The current land includes farmland, residential properties, and open space. There appears to be an old woodland with some large Oaks (*Quercus sp.*) and Hickories (*Cary sp.*) to the east of 48W879 Plank Road. The surrounding land use consists farmland and open space. Two Sites were identified within the study area. Each Site is described below and summarized in Table 6.1. Data sheets summarizing the field investigation and representative photographs are included in the appendices.

TABLE 6.1
SUMMARY OF INVESTIGATED SITES

Location	Size (acres) within project area	Designation	Dominant Vegetation	Floristic Values	Required Buffer (feet)	Anticipated Regulatory Authority*
Site 1	0.10	Wetland	Barnyard grass (<i>Echinochloa crus-galli</i>)	FQI – 0 Mean C value – 0	15	Kane County
Site 2	0.09	Wetland	Reed canary grass (<i>Phalaris arundinacea</i>)	FQI – 2.04 Mean C value – 0.83	15	Kane County

*The USACE must make a final determination regarding regulatory authority.

Site 1

Site 1 consists of an approximate 0.10 acre depressional area located along the north side of Plank Road (see **Figure 1**). Site 1 extends north outside of the project limits, it is approximately 0.20 acres in total and appears to be an isolated depression within the farm field. Based on sample point documentation, dominant vegetation at Site 1 includes:

- Tree stratum – none
- Sapling/shrub stratum – none
- Herb stratum – barnyard grass (*Echinochloa crus-galli*)
- Woody vine stratum – none

Other prevalent species observed within the wetland include corn (*Zea mays*). The dominance test was greater than 50 percent and the prevalence index was less than or equal to 3.0; therefore, hydrophytic vegetation criteria were met.

The soil is mapped as Drummer silty clay loam which is considered a hydric soil. This soil type was not confirmed in the field. USDA hydric soil indicator Redox Dark Surface (F6) was present.

Site 1 receives surface runoff from upland adjacent farm fields and roadways. Wetland hydrology indicators of Surface Soil Cracks (B6) and FAC-Neutral Test (D5) were present. It appears that this wetland is isolated. The USACE must make a final determination regarding jurisdictional status.

All three wetland criteria were present; therefore, Site 1 is considered a wetland. USACE Data Forms documenting our findings are provided in **Appendix C** and representative photographs are in **Appendix B**. A Floristic Quality Assessment was performed for Site 1 and is attached (**Appendix D**). The results of the assessment indicate that Site 1 has a Floristic Quality Index (FQI) of 0, indicating a severely degraded wetland.

The functions provided by Site 1 include wildlife movement corridor, flood storage, and sediment trapping. No wildlife was observed in the wetland.

Based on the definition of a high quality aquatic resource (HQAR) as noted in the Chicago Regional Permit Program, Site 1 would not be considered a HQAR.

According to the Kane County stormwater regulations, a 15 foot buffer is required around Site 1. The existing buffer consists of corn and road right-of-way. Buffer functions include soil stabilization, filtering of stormwater runoff, physical separation from the adjacent roadway, and rainfall interception.

Site 2

Site 2 consists of an approximate 0.09 acre depressional area located on the south side of Plank Road (see **Figure 1**). The wetland appears to extend south towards a large pond. No culverts were noted. The wetland to the south is on both the Kane County ADID Map and the NWI Map. It does not appear to connect to a waterway and therefore appears to be isolated. Based on sample point documentation, dominant vegetation at Site 2 includes:

- Tree stratum – none
- Sapling/shrub stratum – none
- Herb stratum – reed canary grass (*Phalaris arundinacea*)
- Woody vine stratum – river bank grape (*Vitis riparia*)

Other prevalent species observed within the wetland include barnyard grass and rough pigweed (*Amaranthus retroflexus*). The dominance test was greater than 50 percent and the prevalence index was less than or equal to 3.0; therefore, hydrophytic vegetation criteria were met.

The soil is mapped as Drummer silty clay loam which is considered a hydric soil. This soil type was not confirmed in the field. USDA hydric soil indicator Redox Dark Surface (F6) was present.

Site 2 receives surface runoff from upland adjacent roadways, woodlands and farm fields. No culverts or inlets/outlets were noted in the area investigated. Wetland hydrology indicators of Geomorphic Position (D2), and FAC-Neutral Test (D5) were present. It appears that this wetland is isolated. The USACE must make a final determination regarding jurisdictional status.

All three wetland criteria were present; therefore, Site 2 is considered a wetland. USACE Data Forms documenting our findings are provided in **Appendix C** and representative photographs are in **Appendix B**. A Floristic Quality Assessment was performed for Site 2 and is attached (**Appendix D**). The results of the assessment indicate that Site 2 has a Floristic Quality Index (FQI) of 2.04, indicating a severely degraded wetland.

The functions provided by Site 2 include wildlife habitat and foraging, wildlife movement corridor, flood storage, sediment trapping, floristic diversity, and nutrient retention and removal. Wildlife observed in the wetland included birds.

Based on the definition of a high quality aquatic resource (HQAR) as noted in the Chicago Regional Permit Program, Site 2 would not be considered a HQAR.

According to the Kane County stormwater regulations, a 15 foot buffer is required around Site 2. The existing buffer consists of roadway and woodlands. Buffer functions include wildlife habitat and foraging, floristic diversity, soil stabilization, filtering of stormwater runoff, recreation/aesthetics, physical separation from the adjacent roadway, and rainfall interception.

7. REGULATORY INFORMATION

The USACE regulates all Waters of the U.S (WOUS) and jurisdictional wetlands under the Clean Water Act. A jurisdictional wetland is a wetland that is connected or adjacent to a WOUS. A WOUS is defined as interstate waters and wetlands are further defined in the Federal Register 40 CFR 230.3(s). A final determination regarding jurisdictional status must be made by the USACE. For impacts to jurisdictional wetlands, a Section 404 permit would be required by the USACE. If this is the case, notification of the project should be sent to the following agencies, as they are part of the permitting process:

- U.S. Fish and Wildlife Service
- Illinois Environmental Protection Agency
- Illinois Department of Natural Resources
- Illinois Department of Natural Resources/Office of Water Resources
- Illinois Historic Preservation Agency

A copy of this report and all attachments should accompany the Joint Application form submitted to the USACE. The application package should also include a set of plans. Copies of the plans should only accompany the submittal to the USACE. All other reviewing agencies will receive only the cover letter and the application form.

As a condition of permit issuance, the Corps requires appropriate soil erosion and sediment control measures to be implemented and maintained until the project area is re-vegetated and stabilized. The USACE may require review and approval of the soil erosion and sediment control plan, by the Kane-DuPage County Soil and Water Conservation District (SWCD), to receive a permit.

Kane County wetlands and associated buffer areas are regulated through implementation of the Kane County Stormwater Ordinance. Wetland impacts greater than 0.10 acres in size require wetland mitigation. Mitigation ratios for isolated wetlands are determined based on the FQI or the highest quality wetland proposed to be impacted. Buffer requirements set forth in the ordinance must be met for both isolated and federally regulated water resources. Buffer widths for wetlands are determined based on the quality and size of the wetland area.

If this project will disturb over one acre, it will require a National Pollutant Discharge Elimination System (NPDES) permit from the Illinois Environmental Protection Agency.

LIMITATIONS AND EXCEPTIONS

The wetland delineation detailed in this report was performed in accordance with accepted methods and practices of the 2010 "COE *Midwest Region Manual*". The scope and depth of this study is consistent with HLR representations and have been agreed to by Kane County DOT. This report has been prepared solely for the benefit of Kane County DOT by HLR. No other entity other than Kane County DOT may use the information contained in this document without written permission from HLR and Kane County DOT.

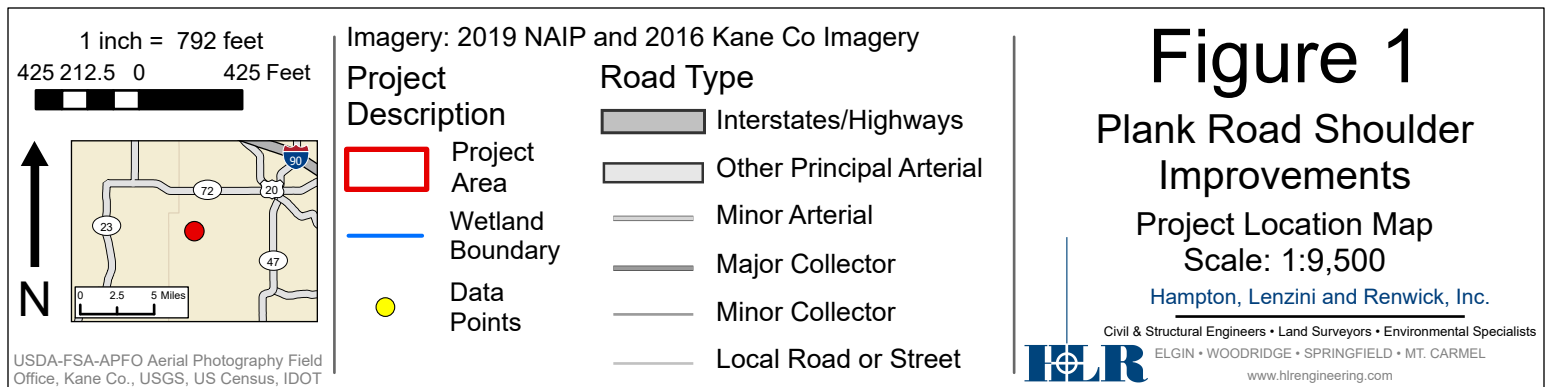
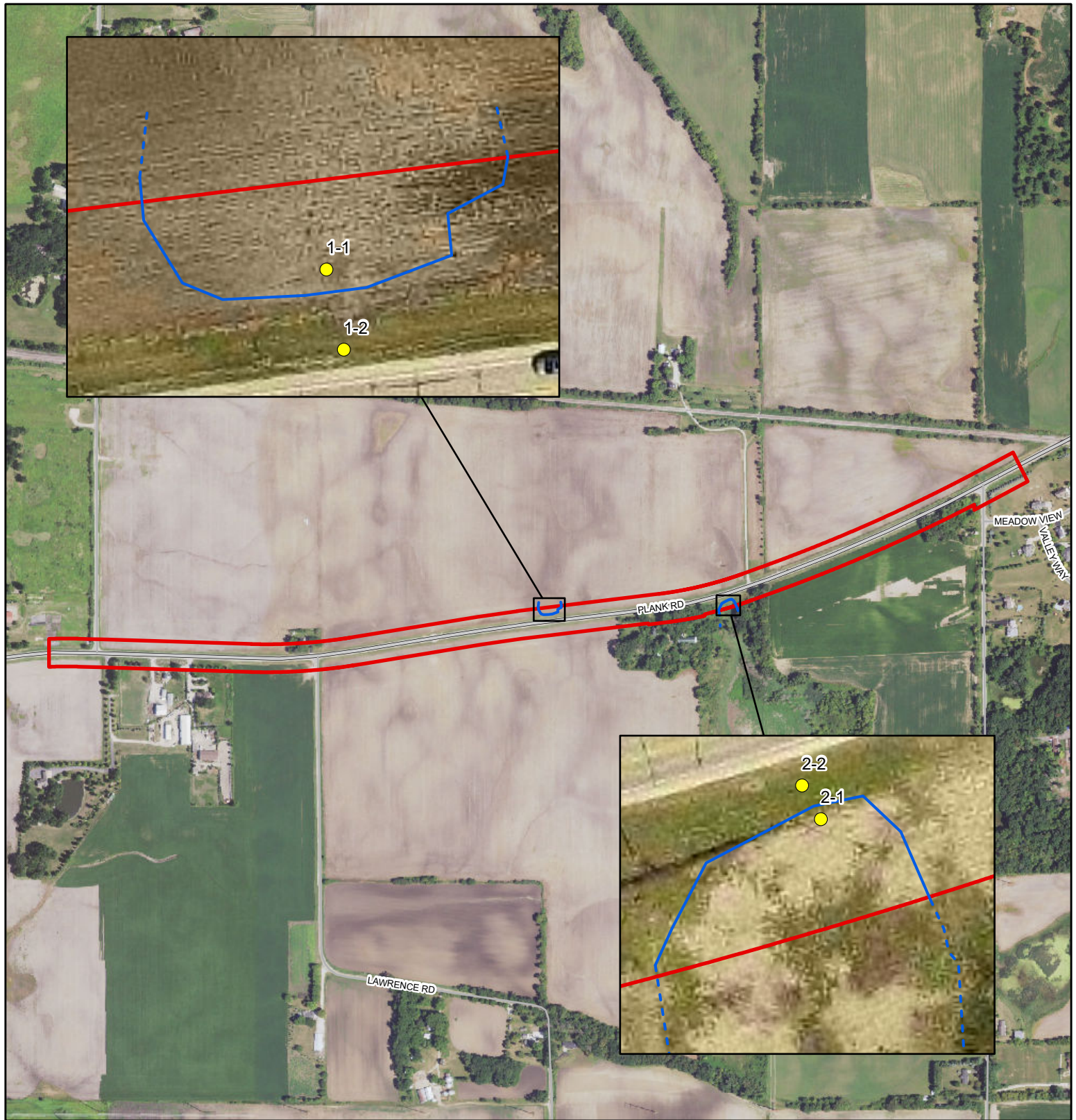
This report must be read and interpreted as a whole. Specific individual sections of this report are dependent upon the balance of this report and must be interpreted as such. This report is time-sensitive in the fact that the field delineations are only acceptable for a maximum of three years in Kane County.

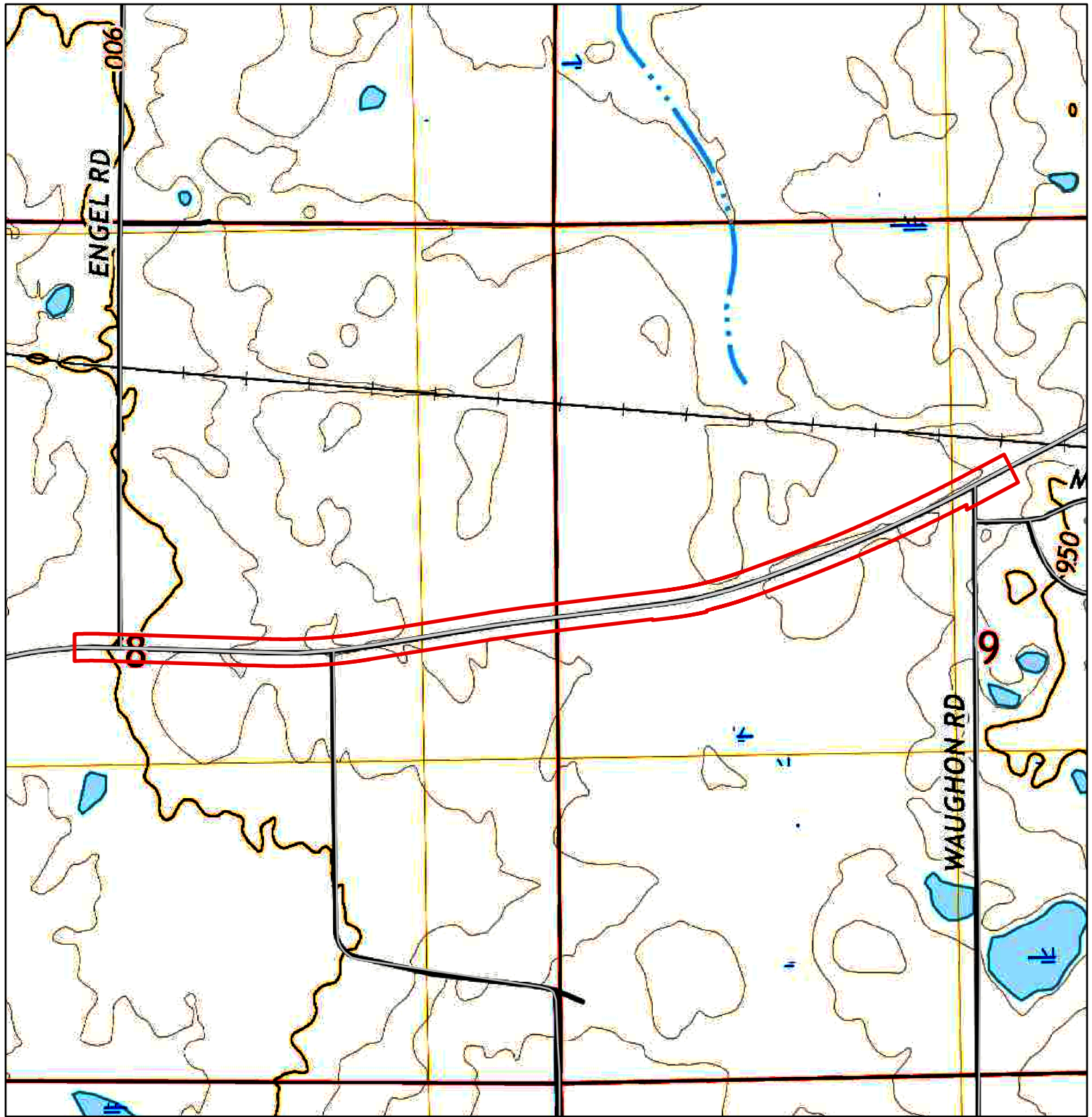
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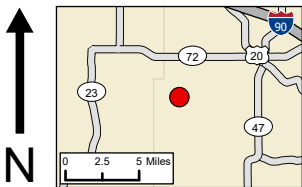
Appendix A

Figures





1 inch = 833 feet
450 225 0 450 Feet



Topographic Map: USGS 2018 Topo, 24K
USGS Quadrangle: Hampshire

Project Area

Road Type

- | | |
|---|--|
| Interstates/
Highways | Major Collector |
| Other Principal
Arterial | Minor Collector |
| Minor Arterial | Local Road or
Street |

Illinois State Geological Survey, USGS
(TopoView), US Census, IDOT

Figure 2

Plank Road Shoulder Improvements

U.S. Geologic Survey
Topographic Map
Scale: 1:10,000

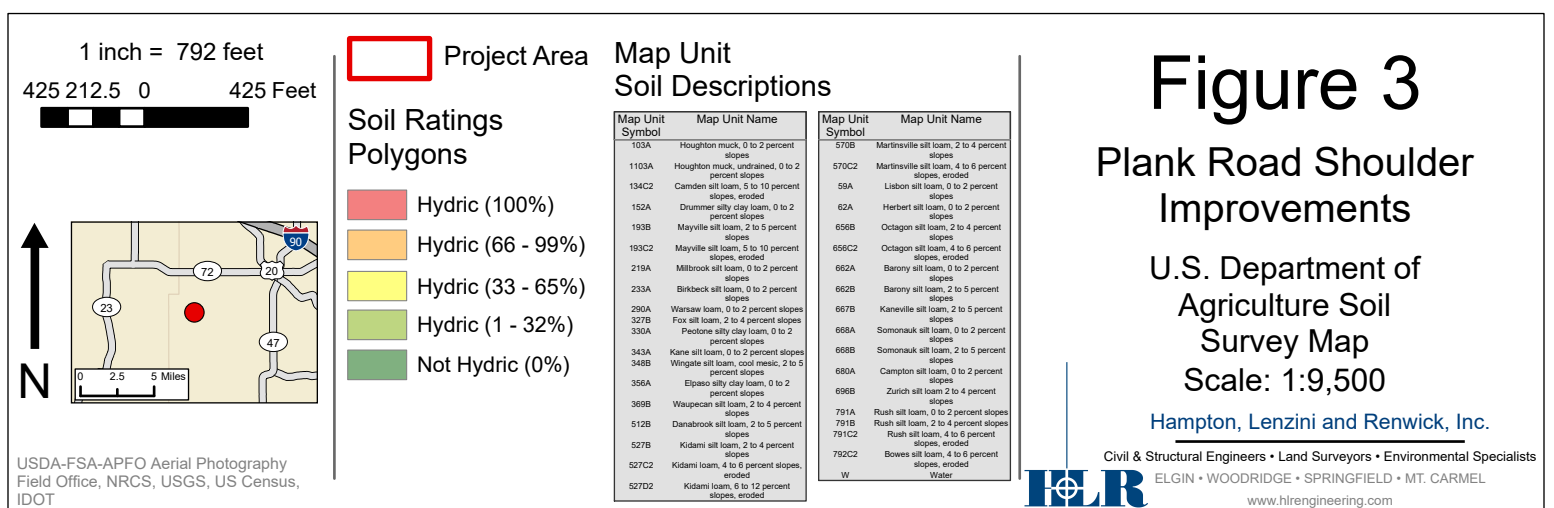
Hampton, Lenzini and Renwick, Inc.

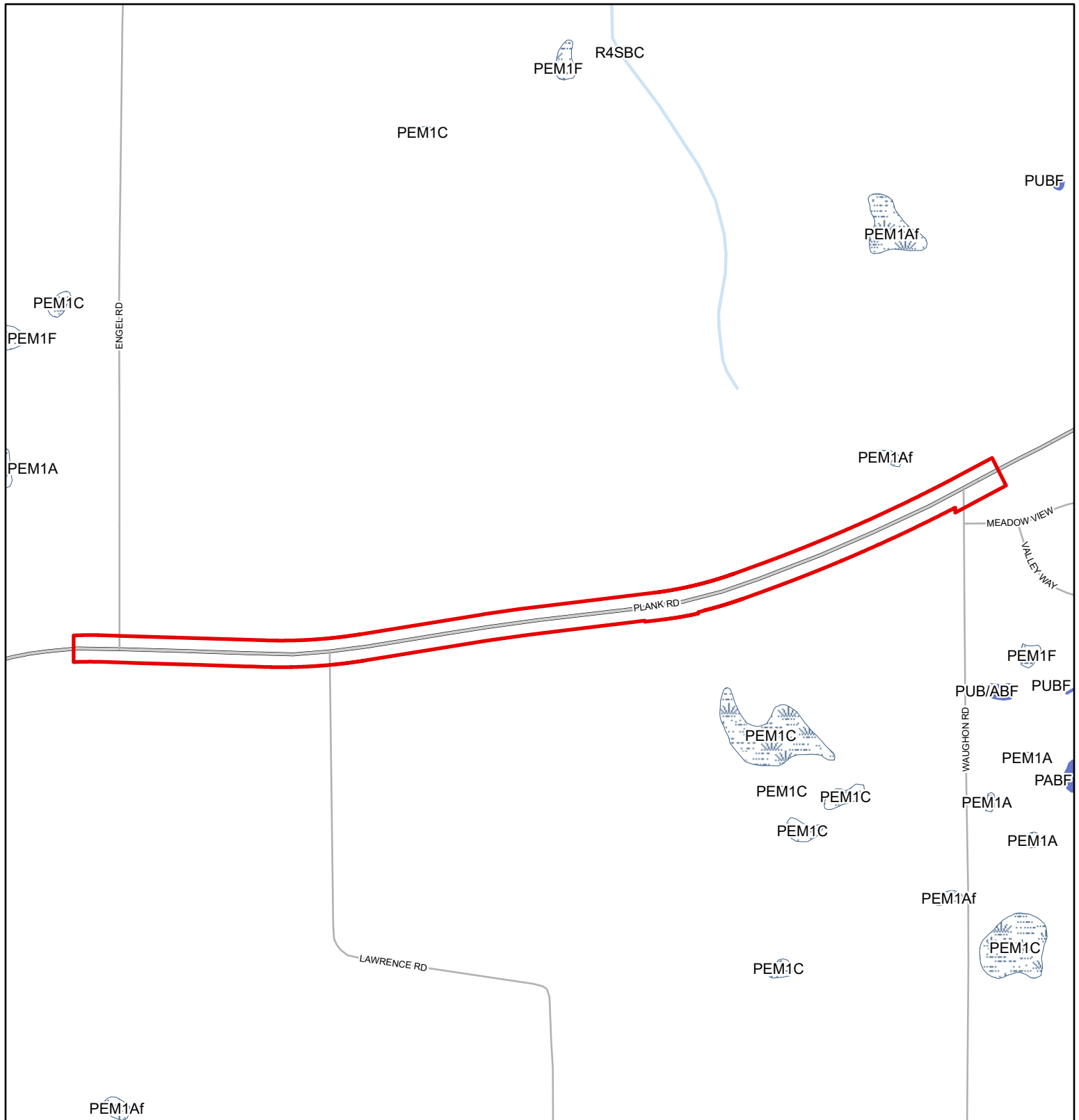
Civil & Structural Engineers • Land Surveyors • Environmental Specialists



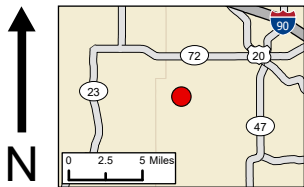
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1 inch = 833 feet
450 225 0 450 Feet



National Wetlands Inventory (USFWS),
USGS, US Census, IDOT

Project Area

PEM1C: Palustrine
Emergent Persistent
Seasonally Flooded

PEM1Af: Palustrine
Emergent Persistent
Temporarily Flooded
Farmed

Wetland Type

	Freshwater Emergent Wetland
	Freshwater Forested/ Shrub Wetland
	Freshwater Pond
	Lake
	Other
	Riverine

Figure 4

Plank Road Shoulder Improvements

National Wetlands Inventory Map
Scale: 1:10,000

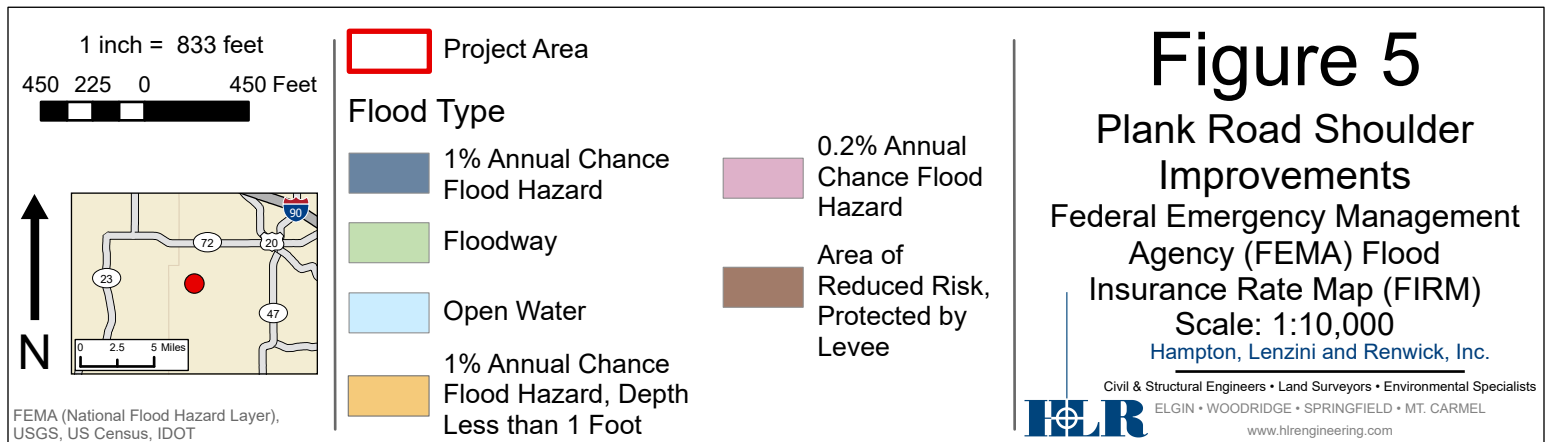
Hampton, Lenzini and Renwick, Inc.

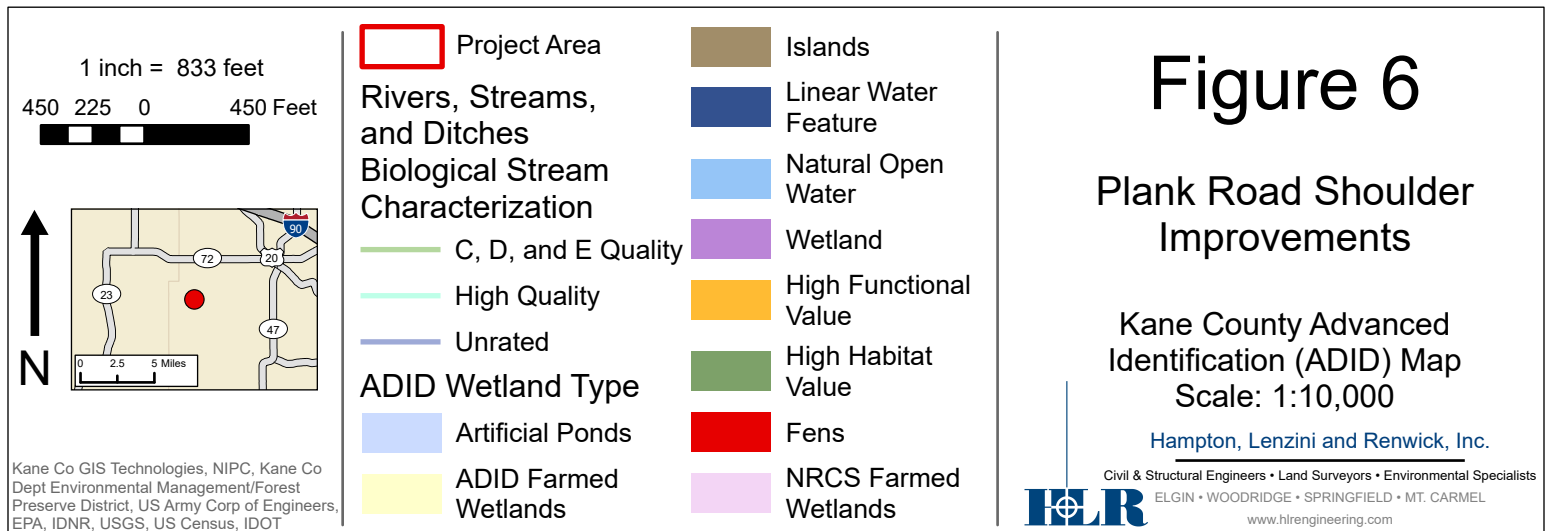
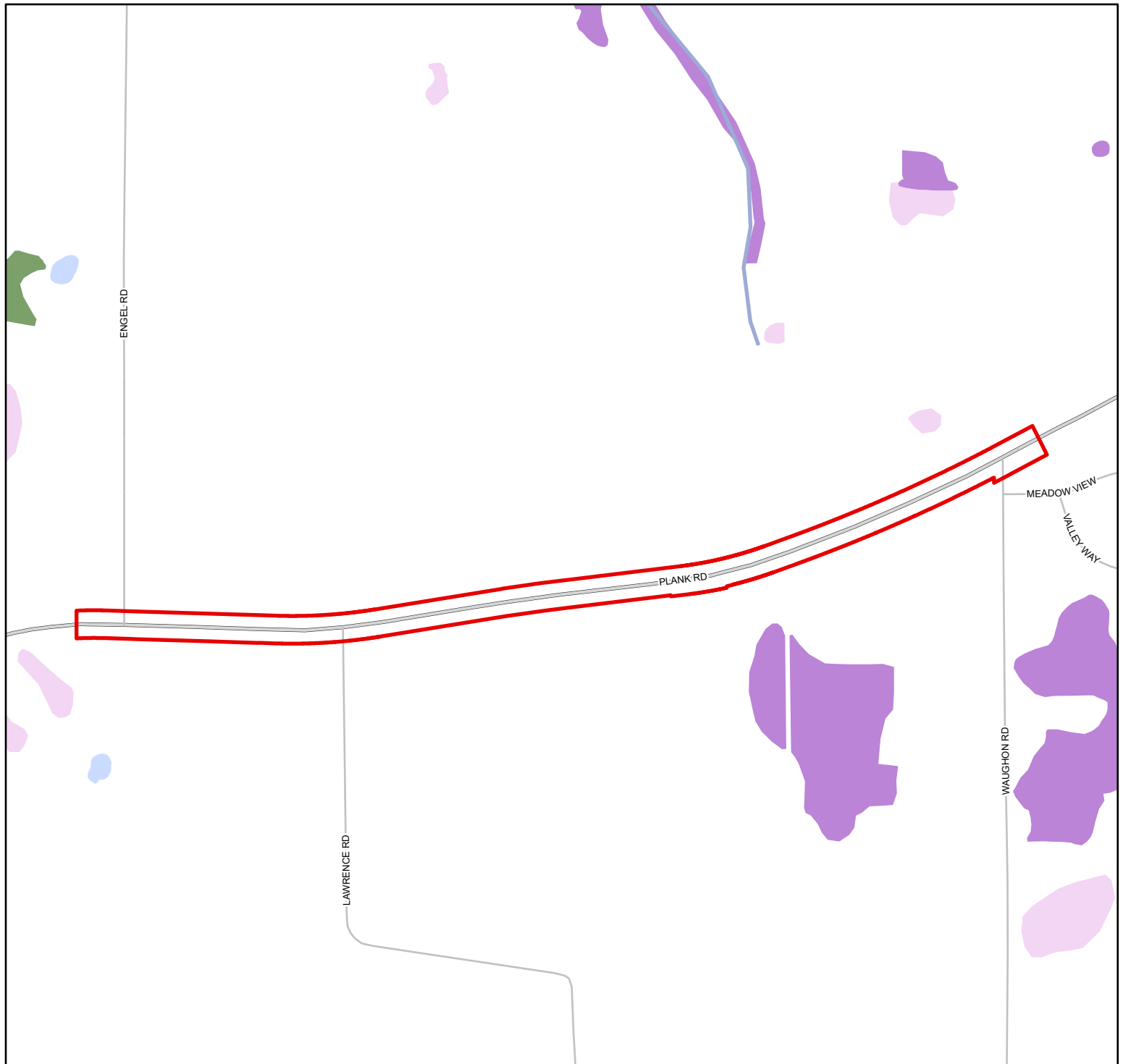
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Appendix B

Photograph Log



Photo 1: Looking west along Plank Road from Engel Road.



Photo 2: Looking east along Plank Road from Engel Road.



Photo 3: Looking east along Plank Road from 49W341 Plank Road.



Photo 4: Looking west along Plank Road from 49W341 Plank Road.



Photo 5: Looking east along Plank Road from Lawrence Road.



Photo 6: Looking west along Plank Road from Lawrence Road.



Photo 7: Representative photograph; Site 1.



Photo 8: Data Point 1-1.



Photo 9: Data Point 1-2.



Photo 10: Looking east along Plank Road from 48W879 Plank Road.



Photo 11: Looking west along Plank Road from 48W879 Plank Road.



Photo 12: Representative photograph; Site 2.



Photo 13: Data point 2-1.



Photo 14: Data Point 2-2.



Photo 15: Looking west along Plank Road from, just east, of Waughon Road.



Photo 16: Looking east along Plank Road from, just east, of Waughon Road.



Photo 17: Looking south along Waughon Road.



Photo 18: Looking at the mapped hydric soil area located north of the intersection of Plank Road and Waughon Road.

Appendix C
Wetland Determination Data Forms

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Plank Road Shoulder Improvements City/County: Burlington/Kane Sampling Date: 8-27-2020
 Applicant/Owner: Kane County Division of Transportation State: IL Sampling Point: 1-1
 Investigator(s): A. Burchacki and K. Kasch Section, Township, Range: Township 41N, Range 6E, Sections 8&9
 Landform (hillside, terrace, etc.): depression Local relief (concave, convex, none): concave
 Slope (%): 0 Lat: 42.047872 Long: -88.567741 Datum: none
 Soil Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes (152A) NWI classification: none

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil X, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No X
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present? Yes <u>X</u> No <u> </u>	
Wetland Hydrology Present? Yes <u>X</u> No <u> </u>	
Remarks: The area is farmed.	

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
		=Total Cover		
Sapling/Shrub Stratum	(Plot size: <u>15</u>)			
1.				
2.				
3.				
4.				
5.				
		=Total Cover		
Herb Stratum	(Plot size: <u>5</u>)			
1.	<u>Echinochloa crus-galli</u>	<u>99</u>	<u>Yes</u>	<u>FACW</u>
2.	<u>Zea mays</u>	<u>1</u>	<u>No</u>	<u>UPL</u>
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
		<u>100</u> =Total Cover		
Woody Vine Stratum	(Plot size: <u>30</u>)			
1.				
2.				
		=Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>99</u>	x 2 = <u>198</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL species <u>1</u>	x 5 = <u>5</u>
Column Totals: <u>100</u> (A)	<u>203</u> (B)
Prevalence Index = B/A = <u>2.03</u>	

Hydrophytic Vegetation Indicators:

 1 - Rapid Test for Hydrophytic Vegetation

X 2 - Dominance Test is >50%

X 3 - Prevalence Index is ≤3.0¹

 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 1-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redox Features				Texture	Remarks
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-16	10YR 2/1	100					Loamy/Clayey	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.							² Location: PL=Pore Lining, M=Matrix.	
Hydric Soil Indicators:							Indicators for Problematic Hydric Soils³:	
<input type="checkbox"/> Histosol (A1)			<input type="checkbox"/> Sandy Gleyed Matrix (S4)			<input type="checkbox"/> Coast Prairie Redox (A16)		
<input type="checkbox"/> Histic Epipedon (A2)			<input type="checkbox"/> Sandy Redox (S5)			<input type="checkbox"/> Iron-Manganese Masses (F12)		
<input type="checkbox"/> Black Histic (A3)			<input type="checkbox"/> Stripped Matrix (S6)			<input type="checkbox"/> Red Parent Material (F21)		
<input type="checkbox"/> Hydrogen Sulfide (A4)			<input type="checkbox"/> Dark Surface (S7)			<input type="checkbox"/> Very Shallow Dark Surface (F22)		
<input type="checkbox"/> Stratified Layers (A5)			<input type="checkbox"/> Loamy Mucky Mineral (F1)			<input type="checkbox"/> Other (Explain in Remarks)		
<input type="checkbox"/> 2 cm Muck (A10)			<input type="checkbox"/> Loamy Gleyed Matrix (F2)			³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.		
<input type="checkbox"/> Depleted Below Dark Surface (A11)			<input type="checkbox"/> Depleted Matrix (F3)					
<input type="checkbox"/> Thick Dark Surface (A12)			<input checked="" type="checkbox"/> Redox Dark Surface (F6)					
<input type="checkbox"/> Sandy Mucky Mineral (S1)			<input type="checkbox"/> Depleted Dark Surface (F7)					
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)			<input type="checkbox"/> Redox Depressions (F8)					
Restrictive Layer (if observed):								
Type: _____						Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Depth (inches): _____								
Remarks: It is likely the B-Horizon was not reached because of tilling of the soil. It is our opinion that if the B-Horizon was reached, hydric soil indicators would be found. Especially since this area is mapped as having hydric soils.								

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input checked="" type="checkbox"/> Surface Soil Cracks (B6)	
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)	
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Geomorphic Position (D2)	
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)		
Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <input type="text"/> Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <input type="text"/> Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <input type="text"/> (includes capillary fringe)		Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Plank Road Shoulder Improvements City/County: Burlington/Kane Sampling Date: 8-27-2020
 Applicant/Owner: Kane County Division of Transportation State: IL Sampling Point: 1-2
 Investigator(s): A. Burchacki and K. Kasch Section, Township, Range: Township 41N, Range 6E, Sections 8&9
 Landform (hillside, terrace, etc.): road right-of-way Local relief (concave, convex, none): convex
 Slope (%): 10 Lat: 42.047791 Long: -88.567708 Datum: none
 Soil Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes (152A) NWI classification: none

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present? Yes <u> </u> No <u>X</u>	
Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u> </u>				
2. <u> </u>				
3. <u> </u>				
4. <u> </u>				
5. <u> </u>				
		=Total Cover		
Sapling/Shrub Stratum	(Plot size: <u>15</u>)			
1. <u> </u>				
2. <u> </u>				
3. <u> </u>				
4. <u> </u>				
5. <u> </u>				
		=Total Cover		
Herb Stratum	(Plot size: <u>5</u>)			
1. <u>Setaria faberi</u>		35	Yes	FACU
2. <u>Daucus carota</u>		30	Yes	UPL
3. <u>Abutilon theophrasti</u>		15	No	FACU
4. <u>Amaranthus retroflexus</u>		15	No	FACU
5. <u>Ambrosia artemisiifolia</u>		5	No	FACU
6. <u> </u>				
7. <u> </u>				
8. <u> </u>				
9. <u> </u>				
10. <u> </u>				
		100	=Total Cover	
Woody Vine Stratum	(Plot size: <u>30</u>)			
1. <u> </u>				
2. <u> </u>				
		=Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>70</u>	x 4 = <u>280</u>
UPL species <u>30</u>	x 5 = <u>150</u>
Column Totals: <u>100</u> (A)	<u>430</u> (B)
Prevalence Index = B/A = <u>4.30</u>	

Hydrophytic Vegetation Indicators:

 1 - Rapid Test for Hydrophytic Vegetation

 2 - Dominance Test is >50%

 3 - Prevalence Index is ≤3.0¹

 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes No X

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 1-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-4	10YR 2/2	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:
☐ Histosol (A1) ☐ Sandy Gleyed Matrix (S4)
☐ Histic Epipedon (A2) ☐ Sandy Redox (S5)
☐ Black Histic (A3) ☐ Stripped Matrix (S6)
☐ Hydrogen Sulfide (A4) ☐ Dark Surface (S7)
☐ Stratified Layers (A5) ☐ Loamy Mucky Mineral (F1)
☐ 2 cm Muck (A10) ☐ Loamy Gleyed Matrix (F2)
☐ Depleted Below Dark Surface (A11) ☐ Depleted Matrix (F3)
☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6)
☐ Sandy Mucky Mineral (S1) ☐ Depleted Dark Surface (F7)
☐ 5 cm Mucky Peat or Peat (S3) ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

☐ Coast Prairie Redox (A16)
☐ Iron-Manganese Masses (F12)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
☐ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):	Hydric Soil Present? Yes _____ No <u>X</u>
Type: aggregate	
Depth (inches): 4	

Remarks:

This data form is revised from Midwest Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)

HYDROLOGY

Wetland Hydrology Indicators:				Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)				Secondary Indicators (minimum of two required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)			
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)			
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)			
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> FAC-Neutral Test (D5)			
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)				
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)				
Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <input type="text"/> Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <input type="text"/> Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <input type="text"/> (includes capillary fringe)				Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Plank Road Shoulder Improvements City/County: Burlington/Kane Sampling Date: 8-27-2020
 Applicant/Owner: Kane County Division of Transportation State: IL Sampling Point: 2-1
 Investigator(s): A. Burchacki and K. Kasch Section, Township, Range: Township 41N, Range 6E, Section 9
 Landform (hillside, terrace, etc.): depression Local relief (concave, convex, none): concave
 Slope (%): 0 Lat: 42.048089 Long: -88.563840 Datum: none
 Soil Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes (152A) NWI classification: none

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present? Yes <u>X</u> No <u> </u>	
Wetland Hydrology Present? Yes <u>X</u> No <u> </u>	
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u> </u>				
2. <u> </u>				
3. <u> </u>				
4. <u> </u>				
5. <u> </u>				
		=Total Cover		
Sapling/Shrub Stratum	(Plot size: <u>15</u>)			
1. <u> </u>				
2. <u> </u>				
3. <u> </u>				
4. <u> </u>				
5. <u> </u>				
		=Total Cover		
Herb Stratum	(Plot size: <u>5</u>)			
1. <u>Phalaris arundinacea</u>		99	Yes	FACW
2. <u>Echinochloa crus-galli</u>		1	No	FACW
3. <u> </u>				
4. <u> </u>				
5. <u> </u>				
6. <u> </u>				
7. <u> </u>				
8. <u> </u>				
9. <u> </u>				
10. <u> </u>				
		100 =Total Cover		
Woody Vine Stratum	(Plot size: <u>30</u>)			
1. <u>Vitis riparia</u>		10	Yes	FACW
2. <u> </u>				
		10 =Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>110</u>	x 2 = <u>220</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>110</u> (A)	<u>220</u> (B)
Prevalence Index = B/A = <u>2.00</u>	

Hydrophytic Vegetation Indicators:

 1 - Rapid Test for Hydrophytic Vegetation

X 2 - Dominance Test is >50%

X 3 - Prevalence Index is ≤3.0¹

 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 2-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redox Features				Texture	Remarks
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-4	10YR 2/1	100					Loamy/Clayey	
4-16	10YR 3/1	47	10YR 5/8	3	C	M	Loamy/Clayey	Prominent redox concentrations
	10YR 5/4	50						

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils ³ :
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Gleyed Matrix (S4)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Sandy Redox (S5)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Stripped Matrix (S6)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Dark Surface (S7)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Loamy Mucky Mineral (F1)
<input type="checkbox"/> 2 cm Muck (A10)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)
<input type="checkbox"/> Thick Dark Surface (A12)	<input checked="" type="checkbox"/> Redox Dark Surface (F6)
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	<input type="checkbox"/> Redox Depressions (F8)
	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____
---	--

Remarks:
This data form is revised from Midwest Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)	
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)	
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input checked="" type="checkbox"/> Geomorphic Position (D2)	
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)		

Field Observations: Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Plank Road Shoulder Improvements City/County: Burlington/Kane Sampling Date: 8-27-2020
 Applicant/Owner: Kane County Division of Transportation State: IL Sampling Point: 2-2
 Investigator(s): A. Burchacki and K. Kasch Section, Township, Range: Township 41N, Range 6E, Section 9
 Landform (hillside, terrace, etc.): road right-of-way Local relief (concave, convex, none): convex
 Slope (%): 10 Lat: 42.048135 Long: -88.563867 Datum: none
 Soil Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes (152A) NWI classification: none

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present? Yes <u> </u> No <u>X</u>	
Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u> </u>				
2. <u> </u>				
3. <u> </u>				
4. <u> </u>				
5. <u> </u>				
		=Total Cover		
Sapling/Shrub Stratum	(Plot size: <u>15</u>)			
1. <u> </u>				
2. <u> </u>				
3. <u> </u>				
4. <u> </u>				
5. <u> </u>				
		=Total Cover		
Herb Stratum	(Plot size: <u>5</u>)			
1. <u>Phalaris arundinacea</u>		<u>25</u>	<u>Yes</u>	<u>FACW</u>
2. <u>Conium maculatum</u>		<u>25</u>	<u>Yes</u>	<u>FACW</u>
3. <u>Setaria faberi</u>		<u>15</u>	<u>No</u>	<u>FACU</u>
4. <u>Prunus virginiana</u>		<u>10</u>	<u>No</u>	<u>FACU</u>
5. <u>Cirsium arvense</u>		<u>10</u>	<u>No</u>	<u>FACU</u>
6. <u> </u>				
7. <u> </u>				
8. <u> </u>				
9. <u> </u>				
10. <u> </u>				
		<u>85</u> =Total Cover		
Woody Vine Stratum	(Plot size: <u>30</u>)			
1. <u>Convolvulus arvensis</u>		<u>5</u>	<u>Yes</u>	<u>UPL</u>
2. <u> </u>				
		<u>5</u> =Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>50</u>	x 2 = <u>100</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>35</u>	x 4 = <u>140</u>
UPL species <u>5</u>	x 5 = <u>25</u>
Column Totals: <u>90</u> (A)	<u>265</u> (B)
Prevalence Index = B/A = <u>2.94</u>	

Hydrophytic Vegetation Indicators:

 1 - Rapid Test for Hydrophytic Vegetation

X 2 - Dominance Test is >50%

 3 - Prevalence Index is ≤3.0¹

 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 2-2

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)	
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)	
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Geomorphic Position (D2)	
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)		
Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <input type="text"/> Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <input type="text"/> Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <input type="text"/> (includes capillary fringe)		Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

Appendix D

Floristic Quality Assessment

SITE: 1
LOCALE: Plank Road
A. Burchacki and K.
BY: Kasch
NOTES: 8/27/2020

CONSERVATISM-BASED METRICS		ADDITIONAL METRICS	
MEAN C (NATIVE SPECIES)	0.00	SPECIES RICHNESS (ALL)	2
MEAN C (ALL SPECIES)	0.00	SPECIES RICHNESS (NATIVE)	1
MEAN C (NATIVE TREES)	n/a	% NON-NATIVE WET INDICATOR	0.50
MEAN C (NATIVE SHRUBS)	n/a	(ALL)	0.50
MEAN C (NATIVE HERBACEOUS)	0.00	WET INDICATOR (NATIVE)	-1.00
FQAI (NATIVE SPECIES)	0.00	% HYDROPHYTE (MIDWEST)	0.50
FQAI (ALL SPECIES)	0.00	% NATIVE PERENNIAL	0.00
ADJUSTED FQAI	0.00	% NATIVE ANNUAL	0.50
% C VALUE 0	1.00	% ANNUAL	1.00
% C VALUE 1-3	0.00	% PERENNIAL	0.00
% C VALUE 4-6	0.00		
% C VALUE 7-10	0.00		

SPECIES ACRONYM	SPECIES NAME (NWPL/ MOHLENBROCK)	SPECIES (SYNONYM)	COMMON NAME	C VALUE	MIDWEST WET INDICATOR	NC-NE WET INDICATOR	WET INDICATOR (NUMERIC)	HABIT	DURATION	NATIVITY
echcru	Echinochloa crus-galli	Echinochloa crusgalli	Large Barnyard Grass		0 FACW	FAC	-1	Grass	Annual	Native
zeamay	Zea mays	ZEA MAYS	Corn		0 UPL	UPL	2	Grass	Annual	Adventive

SITE: 2
LOCALE: Plank Road
 A. Burchacki and K.
BY: Kasch
NOTES: 8/27/2020

CONSERVATISM-BASED METRICS		ADDITIONAL METRICS	
MEAN C (NATIVE SPECIES)	1.67	SPECIES RICHNESS (ALL)	6
MEAN C (ALL SPECIES)	0.83	SPECIES RICHNESS (NATIVE)	3
MEAN C (NATIVE TREES)	n/a	% NON-NATIVE WET INDICATOR (ALL)	0.50
MEAN C (NATIVE SHRUBS)	n/a		-0.33
MEAN C (NATIVE HERBACEOUS)	2.00	WET INDICATOR (NATIVE)	-1.00
FQAI (NATIVE SPECIES)	2.89	% HYDROPHYTE (MIDWEST)	0.67
FQAI (ALL SPECIES)	2.04	% NATIVE PERENNIAL	0.33
ADJUSTED FQAI	11.79	% NATIVE ANNUAL	0.17
% C VALUE 0	0.67	% ANNUAL	0.50
% C VALUE 1-3	0.17	% PERENNIAL	0.50
% C VALUE 4-6	0.17		
% C VALUE 7-10	0.00		

SPECIES ACRONYM	SPECIES NAME (NWPL/ MOHLENBROCK)	SPECIES (SYNONYM)	COMMON NAME	C VALUE	MIDWEST WET INDICATOR	NC-NE WET INDICATOR	WET INDICATOR (NUMERIC)	HABIT	DURATION	NATIVITY
abuthe	Abutilon theophrasti	ABUTILON THEOPHRASTI	Velvetleaf		0 FACU	FACU		1 Forb	Annual	Adventive
amaret	Amaranthus retroflexus	AMARANTHUS RETROFLEXUS	Red-Root		0 FACU	FACU		1 Forb	Annual	Adventive
echcru	Echinochloa crus-galli	Echinochloa crus-galli	Large Barnyard Grass		0 FACW	FAC		-1 Grass	Annual	Native
phaaru	Phalaris arundinacea	PHALARIS ARUNDINACEA	Reed Canary Grass		0 FACW	FACW		-1 Grass	Perennial	Adventive
symlat	Symphytotrichum lateriflorum	Aster lateriflorus	Farewell-Summer		4 FACW	FAC		-1 Forb	Perennial	Native
vitrip	Vitis riparia	Vitis riparia var. syrticola	River-Bank Grape		1 FACW	FAC		-1 Vine	Perennial	Native



Hampton, Lenzini and Renwick, Inc.

Civil Engineers • Structural Engineers • Land Surveyors • Environmental Specialists
www.hltreengineering.com

December 16, 2020

Mr. Michael Zakosek, PE
Kane County Division of Transportation
41W011 Burlington Road
St. Charles, Illinois, 60175

RE: Plank Road Improvements Tree Survey

Dear Mr. Zakosek,

On August 27, 2020 and November 12, 2020 Hampton, Lenzini and Renwick, Inc. (HLR) performed a tree assessment for the above-referenced project area. The primary purpose was to identify all trees greater than or equal to six inches in diameter at breast height (DBH) on the site and assess the condition of these trees. The project area is located along Plank Road from Engel Road to Waughon Road. The project is located in Burlington, Kane County, Illinois. The legal location for the site is Township 41 North, Range 6 East, and Sections 8 and 9.

Methodology

Survey location data, common and scientific species names, DBH, health, and structure were recorded for each tree by HLR. The health and structure of each tree was given a rating of excellent, good, fair, poor, or dead.

When evaluating trees, HLR bases condition on the health and structure of the tree compared to what is typical for the particular species being evaluated. A visual inspection is made to identify wounds, infections, pathogens, dead wood, and insect infestations. Trees that are apparently declining in health or have a structural defect that may lead to their decline (e.g. excessive lean) are given a "poor" rating. Trees that have minor health problems or structural defects that will not greatly diminish the life span of the tree are given a "fair" rating. Trees that overall appear healthy and have decent form receive "good" ratings.

Results and Summary

A total of 97 trees comprised of 16 different species were identified on the site. Trees were most heavily concentrated in the southeast half of the project area. The six most dominant species include black walnut (*Juglans nigra*), America elm (*Ulmus americana*), Colorado blue spruce (*Picea pungens*), white mulberry (*Morus alba*), Norway maple (*Acer platanoides*) and red maple (*Acer rubrum*). These six species accounts for approximately 76 percent of the trees recorded.

Table 1 contains a summary of the recorded tree species including relative condition. Approximately 63 percent of the trees were classified as good to fair health. Approximately 53 percent of trees were classified as good to fair structure. Approximately 3 percent of the trees were classified as dead.

Table 2 contains a summary of tree species by common and scientific name.

Table 1 – Summary of Tree Conditions

Health	Quantity	Percentage
Excellent	0	0.0%
Good	16	16.5%
Fair	45	46.4%
Poor	32	33.0%
Dead	3	2.1%
Total	96	100%
Structure	Quantity	Percentage
Excellent	0	0.0%
Good	12	12.4%
Fair	40	41.2%
Poor	41	43.3%
Dead	3	2.1%
Total	96	100%

Table 2 – Summary of Tree Survey

Scientific Name	Common Name		
Acer negundo	Box Elder	1	1.0%
Acer platanoides	Norway Maple	6	6.3%
Acer rubrum	Red Maple	6	6.3%
Carya ovata	Shagbark Hickory	2	2.1%
dead	dead	2	2.1%
Fraxinus pennsylvanica lanceolata	Green Ash	3	3.1%
Juglans nigra	Black Walnut	35	36.5%
Morus alba	White Mulberry	7	7.3%
Picea pungens	Colorado Blue Spruce	9	9.4%
Pinus resinosa	Red Pine	1	1.0%
Prunus serotina	Wild Black Cherry	1	1.0%
Quercus alba	White Oak	4	4.2%
Quercus bicolor	Swamp White Oak	1	1.0%
Quercus macrocarpa	Bur Oak	2	2.1%
Quercus rubra	Northern Red Oak	4	4.2%
Ulmus americana	American Elm	11	11.5%
Ulmus pumila	Siberian Elm	1	1.0%
Total		96	100%

If you have any questions regarding this study, please call me at 630.639.9594.

Yours truly,

HAMPTON, LENZINI AND RENWICK, INC.

By:



Alicia Burchacki, ISA Certified Arborist, #IL - 9097A
 Environmental Scientist

Appendix III

Public Coordination

KANE COUNTY

DIVISION of TRANSPORTATION

Carl Schoedel, P.E.
Director of Transportation
County Engineer



41W011 Burlington Road
St. Charles, IL 60175
Phone: (630) 584-1170
Fax: (630) 584-5265

June 9, 2021

Re: Property Index Number: 04-08-200-011
Plank Road, Engel Road to Waughon Road
Village of Burlington, IL
Kane County

To: BCP Realty LLC & JCC Realty LLC
31366 N US Hwy 45
Libertyville, IL 60048

Dear Sir or Madam:

Kane County Division of Transportation has initiated preliminary engineering and environmental studies to address safety issues along Plank Road from Engel Road to Waughon Road that is within its jurisdiction.

This correspondence is intended to inform you of the project, the proposed improvements and anticipated land acquisition. The goal of the project is to improve safety along the roadway to reduce number of crashes that result in vehicles departing the roadway and hitting a fixed object. Plank Road currently has narrow shoulders that do not meet current design standards. The scope of the project consists of providing wider shoulders and safety edge treatments to reduce the risk of vehicles leaving the roadway.

If land is to be acquired from property owners in order to improve the roadway, the amounts needed from affected properties are identified during this phase of the project and coordinated with the individual property owners. Based upon a review of the tax records of Kane County, you are indicated to be the owner of the property associated with the above PIN number. This property is located on the north side of Plank Road.

The proposed roadway improvement will require permanent acquisition (fee simple) of a strip of land that is needed for the shoulder widening and drainage ditch as noted on the attached exhibit. You will be compensated for any property that is to be acquired as part of this project. Upon completion of this preliminary engineering study, a representative of the County will contact you regarding the land acquisition. The construction of the improvements is anticipated in summer of 2023.

Page 2

Thank you for your cooperation with this project. If you have any questions or require additional information, please contact Colleen Jaltuch of our office at (630) 845-3796 or at jaltuchcolleen@co.kane.il.us.

Sincerely,

A handwritten signature in dark ink, appearing to read 'CS', with a long, sweeping horizontal stroke extending to the right.

Carl Schoedel, P.E.
Director of Transportation/County Engineer

KANE COUNTY

DIVISION of TRANSPORTATION

Carl Schoedel, P.E.
Director of Transportation
County Engineer



41W011 Burlington Road
St. Charles, IL 60175
Phone: (630) 584-1170
Fax: (630) 584-5265

June 9, 2021

Re: Property Index Number: 04-08-400-016
Plank Road, Engel Road to Waughon Road
Village of Burlington, IL
Kane County

To: Leticia Rojo
49W345 Plank Rd
Sycamore, IL 60178

Dear Sir or Madam:

Kane County Division of Transportation has initiated preliminary engineering and environmental studies to address safety issues along Plank Road from Engel Road to Waughon Road that is within its jurisdiction.

This correspondence is intended to inform you of the project, the proposed improvements and anticipated land acquisition. The goal of the project is to improve safety along the roadway to reduce number of crashes that result in vehicles departing the roadway and hitting a fixed object. Plank Road currently has narrow shoulders that do not meet current design standards. The scope of the project consists of providing wider shoulders and safety edge treatments to reduce the risk of vehicles leaving the roadway.

If land is to be acquired from property owners in order to improve the roadway, the amounts needed from affected properties are identified during this phase of the project and coordinated with the individual property owners. Based upon a review of the tax records of Kane County, you are indicated to be the owner of 49W435 Plank Rd, Sycamore, IL 60178. This property is located on the south side of Plank Road.

The proposed roadway improvement will require temporary acquisition (easement) of a strip of land that is needed for the shoulder widening and drainage ditch as noted on the attached exhibit. You will be compensated for any property that is to be acquired as part of this project. Upon completion of this preliminary engineering study, a representative of the County will contact you regarding the land acquisition. The construction of the improvements is anticipated in summer of 2023.

Page 2

Thank you for your cooperation with this project. If you have any questions or require additional information, please contact Colleen Jaltuch of our office at (630) 845-3796 or at jaltuchcolleen@co.kane.il.us.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Carl Schoedel', with a stylized, cursive script.

Carl Schoedel, P.E.
Director of Transportation/County Engineer

KANE COUNTY

DIVISION of TRANSPORTATION

Carl Schoedel, P.E.
Director of Transportation
County Engineer



41W011 Burlington Road
St. Charles, IL 60175
Phone: (630) 584-1170
Fax: (630) 584-5265

June 9, 2021

Re: Property Index Number: 04-08-400-012
Plank Road, Engel Road to Waughon Road
Village of Burlington, IL
Kane County

To: Andres & Carmen Rojo
49W341 Plank Rd
Sycamore, IL 60178

Dear Sir or Madam:

Kane County Division of Transportation has initiated preliminary engineering and environmental studies to address safety issues along Plank Road from Engel Road to Waughon Road that is within its jurisdiction.

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If land is to be acquired from property owners in order to improve the roadway, the amounts needed from affected properties are identified during this phase of the project and coordinated with the individual property owners. Based upon a review of the tax records of Kane County, you are indicated to be the owner of 49W341 Plank Rd, Sycamore, IL 60178. This property is located on the south side of Plank Road.

The proposed roadway improvement will require permanent acquisition (fee simple) of a strip of land that is needed for the shoulder widening and drainage ditch as noted on the attached exhibit. You will be compensated for any property that is to be acquired as part of this project. Upon completion of this preliminary engineering study, a representative of the County will contact you regarding the land acquisition. The construction of the improvements is anticipated in summer of 2023.

Page 2

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Sincerely,

A handwritten signature in dark ink, appearing to be 'CS', written in a cursive style.

Carl Schoedel, P.E.
Director of Transportation/County Engineer

KANE COUNTY

DIVISION of TRANSPORTATION

Carl Schoedel, P.E.
Director of Transportation
County Engineer



41W011 Burlington Road
St. Charles, IL 60175
Phone: (630) 584-1170
Fax: (630) 584-5265

June 9, 2021

Re: Property Index Number: 04-08-400-022
Plank Road, Engel Road to Waughon Road
Village of Burlington, IL
Kane County

To: BCP Realty LLC & JCC Realty LLC
31366 N US Hwy 45
Libertyville, IL 60048

Dear Sir or Madam:

Kane County Division of Transportation has initiated preliminary engineering and environmental studies to address safety issues along Plank Road from Engel Road to Waughon Road that is within its jurisdiction.

This correspondence is intended to inform you of the project, the proposed improvements and anticipated land acquisition. The goal of the project is to improve safety along the roadway to reduce number of crashes that result in vehicles departing the roadway and hitting a fixed object. Plank Road currently has narrow shoulders that do not meet current design standards. The scope of the project consists of providing wider shoulders and safety edge treatments to reduce the risk of vehicles leaving the roadway.

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Page 2

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Sincerely,

A handwritten signature in dark ink, appearing to read 'Carl Schoedel', with a stylized, cursive script.

Carl Schoedel, P.E.
Director of Transportation/County Engineer

KANE COUNTY

DIVISION of TRANSPORTATION

Carl Schoedel, P.E.
Director of Transportation
County Engineer



41W011 Burlington Road
St. Charles, IL 60175
Phone: (630) 584-1170
Fax: (630) 584-5265

June 9, 2021

Re: Property Index Number: 04-08-200-009
Plank Road, Engel Road to Waughon Road
Village of Burlington, IL
Kane County

To: BCP Realty LLC & JCC Realty LLC
31366 N US Hwy 45
Libertyville, IL 60048

Dear Sir or Madam:

Kane County Division of Transportation has initiated preliminary engineering and environmental studies to address safety issues along Plank Road from Engel Road to Waughon Road that is within its jurisdiction.

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Page 2

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Sincerely,

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Carl Schoedel, P.E.
Director of Transportation/County Engineer

KANE COUNTY

DIVISION of TRANSPORTATION

Carl Schoedel, P.E.
Director of Transportation
County Engineer



41W011 Burlington Road
St. Charles, IL 60175
Phone: (630) 584-1170
Fax: (630) 584-5265

June 9, 2021

Re: Property Index Number: 04-08-400-002
Plank Road, Engel Road to Waughon Road
Village of Burlington, IL
Kane County

To: BCP Realty LLC & JCC Realty LLC
31366 N US Hwy 45
Libertyville, IL 60048

Dear Sir or Madam:

Kane County Division of Transportation has initiated preliminary engineering and environmental studies to address safety issues along Plank Road from Engel Road to Waughon Road that is within its jurisdiction.

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Page 2

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Sincerely,

A handwritten signature in dark ink, appearing to read 'Carl Schoedel', with a stylized, cursive script.

Carl Schoedel, P.E.
Director of Transportation/County Engineer

KANE COUNTY

DIVISION of TRANSPORTATION

Carl Schoedel, P.E.
Director of Transportation
County Engineer



41W011 Burlington Road
St. Charles, IL 60175
Phone: (630) 584-1170
Fax: (630) 584-5265

June 9, 2021

Re: Property Index Number: 04-09-100-010
Plank Road, Engel Road to Waughon Road
Village of Burlington, IL
Kane County

To: BCP Realty LLC & JCC Realty LLC
31366 N US Hwy 45
Libertyville, IL 60048

Dear Sir or Madam:

Kane County Division of Transportation has initiated preliminary engineering and environmental studies to address safety issues along Plank Road from Engel Road to Waughon Road that is within its jurisdiction.

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Carl Schoedel, P.E.
Director of Transportation/County Engineer

KANE COUNTY

DIVISION of TRANSPORTATION

Carl Schoedel, P.E.
Director of Transportation
County Engineer



41W011 Burlington Road
St. Charles, IL 60175
Phone: (630) 584-1170
Fax: (630) 584-5265

June 9, 2021

Re: Property Index Number: 04-09-100-012
Plank Road, Engel Road to Waughon Road
Village of Burlington, IL
Kane County

To: Marilyn Joan & Hamill Robert Mansfield
48W879 Plank Rd
Burlington, IL 60109

Dear Sir or Madam:

Kane County Division of Transportation has initiated preliminary engineering and environmental studies to address safety issues along Plank Road from Engel Road to Waughon Road that is within its jurisdiction.

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If land is to be acquired from property owners in order to improve the roadway, the amounts needed from affected properties are identified during this phase of the project and coordinated with the individual property owners. Based upon a review of the tax records of Kane County, you are indicated to be the owner of 48W879 Plank Rd, Burlington, IL 60109. This property is located on the south side of Plank Road.

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Sincerely,

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Carl Schoedel, P.E.
Director of Transportation/County Engineer

KANE COUNTY

DIVISION of TRANSPORTATION

Carl Schoedel, P.E.
Director of Transportation
County Engineer



41W011 Burlington Road
St. Charles, IL 60175
Phone: (630) 584-1170
Fax: (630) 584-5265

June 9, 2021

Re: Property Index Number: 04-09-100-005
Plank Road, Engel Road to Waughon Road
Village of Burlington, IL
Kane County

To: Stanley Tool and Machine
ATTN Slawomir & Krystyna Trzaska
425 Maple Ave
Carpentersville, IL 60110

Dear Sir or Madam:

Kane County Division of Transportation has initiated preliminary engineering and environmental studies to address safety issues along Plank Road from Engel Road to Waughon Road that is within its jurisdiction.

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Page 2

of this preliminary engineering study, a representative of the County will contact you regarding the land acquisition. The construction of the improvements is anticipated in summer of 2023.

Thank you for your cooperation with this project. If you have any questions or require additional information, please contact Colleen Jaltuch of our office at (630) 845-3796 or at jaltuchcolleen@co.kane.il.us.

Sincerely,

A handwritten signature in dark ink, appearing to be 'CS', written in a cursive style.

Carl Schoedel, P.E.
Director of Transportation/County Engineer

KANE COUNTY

DIVISION of TRANSPORTATION

Carl Schoedel, P.E.
Director of Transportation
County Engineer



41W011 Burlington Road
St. Charles, IL 60175
Phone: (630) 584-1170
Fax: (630) 584-5265

June 9, 2021

Re: Property Index Number: 04-09-100-006
Plank Road, Engel Road to Waughon Road
Village of Burlington, IL
Kane County

To: Poplar Farms Inc.
911 Melugins Grove Rd
Compton, IL 61318

Dear Sir or Madam:

Kane County Division of Transportation has initiated preliminary engineering and environmental studies to address safety issues along Plank Road from Engel Road to Waughon Road that is within its jurisdiction.

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If land is to be acquired from property owners in order to improve the roadway, the amounts needed from affected properties are identified during this phase of the project and coordinated with the individual property owners. Based upon a review of the tax records of Kane County, you are indicated to be the owner of 12N658 Waughon Rd, Hampshire, IL 60140. This property is located on the south side of Plank Road.

The proposed roadway improvement will require permanent acquisition (fee simple) of a strip of land that is needed for the shoulder widening and drainage ditch as noted on the attached exhibit. You will be compensated for any property that is to be acquired as part of this project. Upon completion of this preliminary engineering study, a representative of the County will contact you regarding the land acquisition. The construction of the improvements is anticipated in summer of 2023.

Page 2

Thank you for your cooperation with this project. If you have any questions or require additional information, please contact Colleen Jaltuch of our office at (630) 845-3796 or at jaltuchcolleen@co.kane.il.us.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Carl Schoedel', with a stylized, cursive script.

Carl Schoedel, P.E.
Director of Transportation/County Engineer

7020 1290 0000 0499 5587

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Sent To LETICIA ROJO
Street and 49W345 PLANK ROAD
City, State, SYCAMORE, IL 60178

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Street and 31366 N US HWY 45
City, State, LIBERTYVILLE, IL 60048

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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City, State, LIBERTYVILLE, IL 60048

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Street and 31366 N US HWY 45
City, State, LIBERTYVILLE, IL 60048

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Sent To ANDRES & CARMEN ROJO
Street and Apt. 49W341 PLANK ROAD
City, State, ZIP SYCAMORE, IL 60178

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Sent To BCP REALTY LLC & JCC REALTY LLC
Street and 31366 N US HWY 45
City, State, LIBERTYVILLE, IL 60048

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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MARILYN JOAN & HAMMILL ROBERT MANSFIELD
 48W879 PLANK ROAD
 BURLINGTON, IL 60109

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

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<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
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Total Postage and Fees	

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Sent To Poplar Farms Inc.
 Street and Apt. No., or P.O. Box No. 511 Metusins Grove Rd
 City, State, ZIP+4® Compton IL 60138

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

7018 1130 0000 7649 9260

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Sent BCP REALTY LLC & JCC REALTY LLC
 Street 31366 N US HWY 45
 City, LIBERTYVILLE, IL 60048

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

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Here

Sent STANLEY TOOL & MACHINE
 Street ATTN SLAWOMIR & KRISTYNA TRZASKA
 City, 425 MAPLE AVE
CARPENTERSVILLE, IL 60110

PS

Instructions

Appendix IV

Utility Coordination

From: OCARS_Pro@Julie1Call.com
Sent: Wednesday, August 19, 2020 3:08 PM
To: Biggs, Katie
Subject: JULIE CONFIRMATION PLEASE REVIEW 2020/08/19 A2323267-00A
NORM DSGN

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: External

EMLCFM 01725 JULIEa 08/19/20 15:08:00 A2323267-00A DESIGN

Thank you for contacting JULIE, Inc. regarding your upcoming Design project.

Please review and print this Design stage notification for your records. If any of the information is incorrect, contact JULIE by dialing 811 or 800-892-0123 and provide the agent with the Design stage notification number. Agents are available 24/7.

Engineering contacts for the member utility companies that may be affected by your project are listed at the end of the request below. Please be aware that JULIE's role in this process is limited to providing you with these contacts. It is your responsibility to initiate communication with each of these utility contacts to discuss your project so that they may determine what action will be taken.

If you are unable to contact a member company representative using the telephone number or email address provided, please provide that information to JULIE's Computer Operations Dept. at 815-741-5011 or data@julie1call.com.

For information about JULIE's Design stage process, including the responsibilities of project designers and facility owners, go to <https://www.illinois1call.com/large-project/>

Dig No : A2323267 Rev : 00A Digstart: 02/19/21 15:02
Rcvd : 08/19/20 15:07 Priority: 2 Expires : 01/01/00 00:00
Org Dig: A2323267 Rcvd: 08/19/20 15:02

Firm : KIMLEY-HORN & ASSOCIATES Caller: KATIE BIGGS
CoAddr1: 4201 WINFIELD RD
City,St: WARRENVILLE, IL Zip : 60555
Phone : 630-487-5757 Ext :
Call Bk: Done For : KANE COUNTY DEPT OF
TRANSPORTATION
SiteCnt: SAME AS ABOVE
Email : KATIE.BIGGS@KIMLEY-HORN.COM

County : KANE Place: BURLINGTON
Address: PLANK RD
Subdiv : Cross: ENGEL RD

Grids : T41NR06E08** T41NR06E09N*

BestFit: 42.050657/-88.557246 42.048600/-88.556960

: 42.047705/-88.578476 42.045648/-88.578189

PreMark: NO Directional Boring: NO Depth>7Ft: NO

Locatn : IN THE TOWNSHIP OF BURLINGTON, NEAREST TOWN IS BURLINGTON IL

WrkType: DESIGN STAGE / SHOULDER WIDENING

Extent : WORK BEING DONE ON W PLANK RD STARTING AT ENGLE RD GOING EAST TO
: WAUGHON RD

Remarks:

Members:

ATTD5A ATT/DISTRIBUTION	G11629@ATT.COM	000-000-0000
G11629@ATT.COM		

CECO0A COMED	DESIGN STAGE LOCATE LINE	630-576-7094
--------------	--------------------------	--------------

KCDT0A KANE COUNTY DIV. OF TRANSPORT	KURT NIKA	630-406-7372
NIKAKURT@CO.KANE.IL.US		

NICR0A NICOR GAS	UTILITY CONSULTANT GO3W	630-388-2362
------------------	-------------------------	--------------

TXMA7A MEDIACOM	CHRIS MINARD	815-597-5103
CMINARD@MEDIACOMCC.COM		

USIC0A USIC LOCATING SERVICES	Information not provided	
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View map at:

http://newtin.julielcall.com/newtinweb/map_tkt.nap?TRG=83PZOaOYOWRWJVS-L

From: OCARS_Pro@Julie1Call.com
Sent: Wednesday, August 19, 2020 3:09 PM
To: Biggs, Katie
Subject: JULIE CONFIRMATION PLEASE REVIEW 2020/08/19 A2323271-00A
NORM DSGN

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: External

EMLCFM 01727 JULIEa 08/19/20 15:08:44 A2323271-00A DESIGN

Thank you for contacting JULIE, Inc. regarding your upcoming Design project.

Please review and print this Design stage notification for your records. If any of the information is incorrect, contact JULIE by dialing 811 or 800-892-0123 and provide the agent with the Design stage notification number. Agents are available 24/7.

Engineering contacts for the member utility companies that may be affected by your project are listed at the end of the request below. Please be aware that JULIE's role in this process is limited to providing you with these contacts. It is your responsibility to initiate communication with each of these utility contacts to discuss your project so that they may determine what action will be taken.

If you are unable to contact a member company representative using the telephone number or email address provided, please provide that information to JULIE's Computer Operations Dept. at 815-741-5011 or data@julielcall.com.

For information about JULIE's Design stage process, including the responsibilities of project designers and facility owners, go to <https://www.illinois1call.com/large-project/>

Dig No : A2323271 Rev : 00A Digstart: 02/19/21 15:08
Rcvd : 08/19/20 15:08 Priority: 2 Expires : 01/01/00 00:00
Org Dig: A2323271 Rcvd: 08/19/20 15:08

Firm : KIMLEY-HORN & ASSOCIATES Caller: KATIE BIGGS
CoAddr1: 4201 WINFIELD RD
City,St: WARRENVILLE, IL Zip : 60555
Phone : 630-487-5757 Ext :
Call Bk: Done For : KANE COUNTY DEPT OF
TRANSPORTATION
SiteCnt: SAME AS ABOVE
Email : KATIE.BIGGS@KIMLEY-HORN.COM

County : KANE Place: BURLINGTON CIT
Address: PLANK RD
Subdiv : Cross: ENGEL RD

Grids : T41NR06E08** T41NR06E09N*

BestFit: 42.051051/-88.556635 42.048917/-88.556293

: 42.047556/-88.578446 42.045422/-88.578104

PreMark: NO Directional Boring: NO Depth>7Ft: NO

Locatn : IN THE CITY OF BURLINGTON, NEAREST TOWN IS BURLINGTON IL

WrkType: DESIGN STAGE / SHOULDER WIDENING

Extent : WORK BEING DONE ON W PLANK RD STARTING AT ENGLE RD GOING EAST TO
: WAUGHON RD

Remarks:

Members:

ATTD5A ATT/DISTRIBUTION	G11629@ATT.COM	000-000-0000
G11629@ATT.COM		
BLNG0A BURLINGTON, VILLAGE OF	JOHN WHITEHOUSE	630-466-6700
CECO0A COMED	DESIGN STAGE LOCATE LINE	630-576-7094
KCDT0A KANE COUNTY DIV. OF TRANSPORT	KURT NIKA	630-406-7372
NIKAKURT@CO.KANE.IL.US		
NICR0A NICOR GAS	UTILITY CONSULTANT GO3W	630-388-2362
TXMA7A MEDIACOM	CHRIS MINARD	815-597-5103
CMINARD@MEDIACOMCC.COM		
USIC0A USIC LOCATING SERVICES	Information not provided	

View map at:

http://newtin.julielcall.com/newtinweb/map_tkt.nap?TRG=82QYPZPXPVTORNa-D

From: Costanzo, Frank <FrankCostanzo@usicllc.com>
Sent: Friday, August 21, 2020 12:51 PM
To: Biggs, Katie
Subject: DESIGN STAGE A2323267
Attachments: [UG Locating Map Legend_Redacted_Wetland Added.pdf](#); [430-09N-UGL.pdf](#); [430-N-UGL.pdf](#)

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: External

KATIE

If your project is regarding new or renovation construction, supplied electrical voltage needs, or changes in current electrical demands, you must contact ComEd's New Business office at 1-866-NEW-ELEC (1-866-639-3532) to begin the process to complete your request.

If your project is for a publicly funded improvement project such as road widening, sewer, water, or other general public improvement, please call ComEd's Public Relocation Department at 630-437-4855.

ComEd has forwarded your JULIE Design Stage Ticket – [A2323267-BURLINGTON](#) to our company to provide the attached prints as you requested. I have also attached a ComEd Legend relative to these prints. Note that since we are submitting this information for ComEd, you may need to contact ComEd directly to further develop your project.

It is very important to note that you must take additional steps if your project is for a new or revised electric service or for a publicly funded roadway improvement project.

Live the **SAFE-LIFE!**

Frank Costanzo

Administrative Assistant
O: 630 396 8224

F: 630 396 8230

860 Oak Creek Dr
Lombard, IL 60148



From: Costanzo, Frank <FrankCostanzo@usicllc.com>
Sent: Friday, August 21, 2020 12:01 PM
To: Biggs, Katie
Subject: DESIGN STAGE A2323271
Attachments: [UG Locating Map Legend_Redacted_Wetland Added.pdf](#); [430-09S-UGL.pdf](#); [430-09N-UGL.pdf](#); [430-N-UGL.pdf](#)

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: External

KATIE

If your project is regarding new or renovation construction, supplied electrical voltage needs, or changes in current electrical demands, you must contact ComEd's New Business office at 1-866-NEW-ELEC (1-866-639-3532) to begin the process to complete your request.

If your project is for a publicly funded improvement project such as road widening, sewer, water, or other general public improvement, please call ComEd's Public Relocation Department at 630-437-4855.

ComEd has forwarded your JULIE Design Stage Ticket – [A2323271-BURLINGTON](#) to our company to provide the attached prints as you requested. I have also attached a ComEd Legend relative to these prints. Note that since we are submitting this information for ComEd, you may need to contact ComEd directly to further develop your project.

It is very important to note that you must take additional steps if your project is for a new or revised electric service or for a publicly funded roadway improvement project.

Live the **SAFE-LIFE!**

Frank Costanzo

Administrative Assistant
O: 630 396 8224

F: 630 396 8230

860 Oak Creek Dr
Lombard, IL 60148



From: gasmaps <gasmaps@aglresources.com>
Sent: Tuesday, September 1, 2020 11:05 AM
To: Biggs, Katie
Subject: JULIE #A2323267, #A2323271; ENG #N13889
Attachments: [N13889 5169091.pdf](#); [N13889 5169092.pdf](#)

Sensitivity: Confidential

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: External

Your project has been assigned Engineering **#N13889**. Please refer to this number in all future correspondence to assist with expediting any future inquiry.

Details are shown in noted 'boxes'. These details will be provided upon specific request through email if needed. The box title noted on the bottom is required.

Note: Nicor does not field mark 'Design' stage tickets and services typically are not shown on atlas sheets.

With reference to your request received for main details, I am sending atlas page(s) indicating the location of our gas main(s) in the area of your proposed project. **The dimensions and location of Nicor Gas utility facilities as shown on these plans are an estimate for design purposes only, and are not intended for use as field locations for construction. Nicor Gas does not warrant accuracy. These pages are considered confidential. Please handle these pages accordingly. Review and verify that the page(s) attached is the area of your request.** If this is not the page you have requested or you require additional pages, please advise and correction will be made. Please feel free to contact me if you need assistance in reading the attached pages. The date of this email represents the date of the attached page(s) most recent version and should be considered the applicable date/time stamp.

If potential conflicts are anticipated, please supply us with a large set of pre-final/final plans including right-of-way and cross-sections and ample time for design and relocation of our mains and services (if necessary) to adhere to your tentative scheduled letting date. Ample time requires a minimum of 6 months for design and planning. This time does not take into consideration the installation our mains and services or reimbursable requirements if applicable.

Utility rights are generally documented through permit, license or easement and in some cases, Nicor Gas may own property. It is up to the requesting/design party(s) to research existing land rights of their proposed project. Nicor Gas will perform its own investigation to determine if any portion is reimbursable when construction is requested to relocate gas main.

Please phone JULIE at 811 OR 1-800-892-0123, 48 hours prior to construction for location of our facilities within your proposed improvement.

CHARLES M. "CHIP" PARROTT, PE

Manager, Planning and Liaison
Nicor Gas
1844 Ferry Rd.
Naperville, IL 60563
Office: 630.388.3319



The information contained in this e-mail message and accompanying documents is intended for the confidential use of the recipient only and is the property of Nicor Gas Company. If the reader of this e-mail message is not the intended recipient, or an employee or agent responsible for delivery of this e-mail message to the intended recipient, you are hereby notified that any dissemination, distribution, copying or forwarding of this e-mail message is strictly prohibited. If you received the e-mail in error, please notify me immediately. Thank you.

From: Christopher Minard <cminard@mediacomcc.com>
Sent: Monday, January 18, 2021 9:40 AM
To: Biggs, Katie
Subject: RE: JULIE Request

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: External

We are clear in that area.

Chris Minard
Mediacom
Construction Supervisor
Garden Prairie
Cell # (815) 716-0582
Office # (815) 597-5103
cminard@mediacomcc.com



From: Biggs, Katie <Katie.Biggs@kimley-horn.com>
Sent: Monday, January 18, 2021 9:34 AM
Subject: JULIE Request

Good morning,

We submitted a Design Stage JULIE ticket on August, 19 2020 for shoulder widening along Plank Road from Engel Road to Waughon Road in Burlington and Burlington Township, Kane County, IL. For reference, the ticket numbers were A2323267-00A and A2323271-00A. Please respond by providing your utility atlas or confirming that there is no conflict of your utilities in that area.

Thank you,

Katie Biggs, EIT
Kimley-Horn | 4201 Winfield Road, Suite 600, Warrenville IL 60555
Direct: 630 487 5757
[Celebrating 13 years as one of FORTUNE's 100 Best Companies to Work For](#)

From: ATT JULIE REQUEST MAILBOX <g11629@att.com>
Sent: Thursday, February 11, 2021 11:47 AM
To: Biggs, Katie
Subject: RE: JULIE Request
Attachments:

[KIMLEYHORN_A2323267_A2323271_BurlingtonAndBurlingtonTownshipIL_103796.zip](#)

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: External

Katie,

I have attached maps with the type of facilities AT&T has within your project location. AT&T does not have as-built drawings or atlases that provide scaled or accurate locations of our facilities. If you include these facilities on your plans, please note that they are SUE Quality Level D.

Once you have scalable plans and have determined there may be possible conflicts with AT&T's facilities, please forward to us so we may provide you with an appropriate SUE quality drawing.

An AT&T Ref # will be provided once AT&T receives the plans. Please include your Julie Ticket # with your reply until we provide an AT&T reference #.

Email plans to: g05256@att.com

Please note that this response is pertaining to AT&T Distribution facilities only.

As always, call J.U.L.I.E. @ 811 at least 48 hours prior to digging.

Kind Regards,

Kari Martin

Technical Associate

Access – Construction & Engineering

AT&T Network Engineering & Operations

1000 Commerce Dr. Oak Brook IL 60523

o 630.573.5757 | km2618@att.com

The information transmitted is intended only for the person or entity to which it is addressed and may contain confidential, proprietary and/or privileged material. Any

review, retransmission, dissemination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is prohibited. If you receive this in error, please contact the sender and delete material from all computers.

From: Biggs, Katie <Katie.Biggs@kimley-horn.com>

Sent: Monday, January 18, 2021 9:38 AM

Subject: JULIE Request

Good morning,

We submitted a Design Stage JULIE ticket on August 19, 2020 for shoulder widening along Plank Road from Engel Road to Waughon Road in Burlington and Burlington Township, Kane County, IL. For reference, the ticket numbers were A2323267-00A and A2323271-00A. Please respond by providing your utility atlas or confirming that there is no conflict of your utilities in that area.

For your reference, the project location is on Plank Road from Engel Road to Waughon Road, which extends into both the Village of Burlington and Burlington Township. The project improvements include shoulder widening and drainage ditch modifications. Please refer to the tickets sent by JULIE on August 19, 2020 for additional information.

Thank you,

Katie Biggs, EIT

Kimley-Horn | 4201 Winfield Road, Suite 600, Warrenville IL 60555

Direct: 630 487 5757

[Celebrating 13 years as one of FORTUNE's 100 Best Companies to Work For](#)