

Indiana Department of Transportation

County Lake Route US 12 & US 20 Des. No. 1601716

SECTION I – PERMITS CHECKLIST

| Permits (mark all that apply) | <u>Likely Required</u> |
|---|-------------------------------------|
| Army Corps of Engineers (404/Section10 Permit) | |
| Individual Permit (IP) | <input type="checkbox"/> |
| Nationwide Permit (NWP) | <input type="checkbox"/> |
| Regional General Permit (RGP) | <input type="checkbox"/> |
| Pre-Construction Notification (PCN) | <input type="checkbox"/> |
| Other | <input type="checkbox"/> |
| Wetland Mitigation required | <input type="checkbox"/> |
| Stream Mitigation required | <input type="checkbox"/> |
| IDEM | |
| Section 401 WQC | <input type="checkbox"/> |
| Isolated Wetlands determination | <input type="checkbox"/> |
| Rule 5 | <input checked="" type="checkbox"/> |
| Other | <input type="checkbox"/> |
| Wetland Mitigation required | <input type="checkbox"/> |
| Stream Mitigation required | <input type="checkbox"/> |
| IDNR-DFW | |
| Construction in a Floodway | <input type="checkbox"/> |
| Navigable Waterway Permit | <input type="checkbox"/> |
| Lake Preservation Permit | <input type="checkbox"/> |
| Other | <input type="checkbox"/> |
| Mitigation Required | <input type="checkbox"/> |
| US Coast Guard Section 9 Bridge Permit | <input type="checkbox"/> |
| Others (Please discuss in the remarks box below) | <input type="checkbox"/> |

Remarks: The proposed project will likely require a Rule 5 Construction Sediment and Erosion Control Permit from IDEM as land disturbance will likely be greater than one acre.
It is the responsibility of the project sponsor to identify and obtain all required permits.

SECTION J- ENVIRONMENTAL COMMITMENTS

The following information should be provided below: List all commitments, name of agency/organization requesting the commitment(s), and indicating which are firm and which are for further consideration. The commitments should be numbered.

Remarks: **Firm:**

1. The stone wall located in front of the house at 5512 Melton Road will not be disturbed by project activities. Special attention will be made to avoid the feature and markings on project plans will clearly indicate the location of the wall as do not disturb. (INDOT)
2. Be advised that any monumentation that is directly or indirectly impacted with the proposed project, must be replaced/restored to its original condition or better by you or your contractor, and is subject to conditions set forth by the Lake County Surveyor's Office or its agents. Indiana Code 36-2-12-1 et. seq. and other applicable statutes and/or ordinances. (Office of the Lake County Surveyor (OLCS))
3. Any Section Corner disturbed or removed must be re-established by an Indiana Registered Land Surveyor and/or Professional Engineer. All witness references must be tied to the newly established Section Corner, and ALL documentation immediately forwarded to the Lake County Surveyor's Office for its records. (OLCS)

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4. Any Benchmark in danger of disturbance must be replaced with a Brass Monument and must have an elevation established by an Indiana Registered Land Surveyor and/or Professional Engineer. The elevation must be tied to an existing USC&GS benchmark, and ALL documentation immediately forwarded to the Lake County Surveyor's Office for its records. (OLCS)
5. Prior to staking a construction project, the Engineer, under the direction of the Lake County Surveyor, will follow the provisions in Indiana Code 36-2-12-1 Et. Seq. and field verify the presence of all visible monuments. (OLCS)
6. Prior to staking a construction project, any Survey Corners found and which are not listed in the contract plans for perpetuation will be added to the contract for perpetuation as defined the Procedure (3)(a). (OLCS)
7. Prior to staking a construction project, the Engineer will tie all visible stamped or tagged Survey Corners or Benchmarks that may be disturbed. The ties will be to three (3) existing visible Reference Monuments or three (3) set visible Reference Monuments, which will not be disturbed during construction activities. Instruction on procedures used to tie a Survey Corner or Benchmark or to construct a Reference Monument will be available from the Lake County Surveyor. (OLCS)
8. Prior to staking a construction project, found monuments will be noted in the as-built construction plans and written report identifying the character, location, description and ties of the monument and Reference Monuments will be sent to the Lake County Surveyor 2293 North Main Street, Crown Point, Indiana 46307. (OLCS)
9. Prior to staking a construction project, after review and acceptance of the written report, monuments used to reference a Survey Corner or Benchmark shall be approved to be stamped by an Indiana Licensed Professional Land Surveyor with the registration number by memo from the Surveyor to the Lake County Surveyor. (OLCS)
10. Prior to staking a construction project, INDOT will maintain a record of all tied Survey Corners or Benchmarks and a Record will be sent by INDOT to the Lake County Surveyor for its record. (OCLS)
11. Stabilize all disturbed areas upon completion of land disturbing activities. (IDEM)
12. If a spill occurs or contaminated soils or water are encountered during construction, appropriate PPE should be utilized. Contaminated materials will need to be properly handled by trained staff and disposed in accordance with current regulations. IDEM should be notified through the spill line at (888) 233-7745 within 24 hours of discovery of contamination. (IDEM)
13. The use of cutback asphalt, or asphalt emulsion containing more than seven percent (7%) oil distillate, is prohibited during the months of April through October. (IDEM)
14. If the scope of work or permanent or temporary right-of-way amounts change, the INDOT Environmental Services Division (ESD) and the INDOT District Environmental Section will be contacted immediately. (INDOT ESD)
15. Before any removal or construction occurs to the vacant structure, a bat inspection will need to occur. If bats, or signs of bats, are present on the structure further coordination will need to occur with INDOT ESD and USFWS before removal can be completed. (INDOT ESD)
16. A cemetery plan will be developed for the proposed project prior to letting date. (SHPO)
17. If any prehistoric or historic archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, work must stop and the discovery must be reported to the Department of Natural Resources within two (2) business days. (SHPO)
18. To minimize impacts to Blanding's Turtle a silt fence be installed around the construction areas to serve as a barrier to roaming turtles and other amphibians and reptiles. Any reptiles or amphibians encountered in the project area should be removed, unharmed, and immediately placed outside the construction area. (IDNR-DFW)
19. Ensure all operators, employees, and contractors working in areas of known or presumed bat habitat are aware of all FHWA/FRA/FTA (Transportation Agencies) environmental commitments, including all applicable AMMs. (USFWS)
20. Direct temporary lighting away from suitable habitat during the active season. (USFWS)
21. When installing new or replacing existing permanent lights, use downward-facing, full cut-off lens lights (with same intensity or less for replacement lighting); or for those transportation agencies

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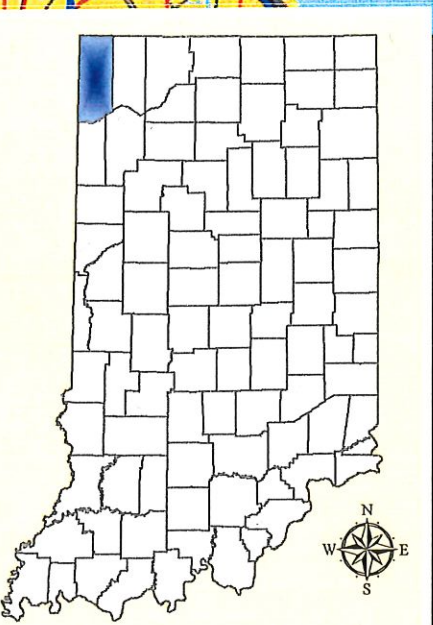
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- using the BUG system developed by the Illuminating Engineering Society, be as close to 0 for all three ratings with a priority of "uplight" of 0 and "backlight" as low as practicable. (USFWS)
22. Modify all phases/aspects of the project (e.g., temporary work areas, alignments) to avoid tree removal. (USFWS)
 23. Apply time of year restrictions for tree removal [April 1st to September 30th] when bats are not likely to be present, or limit tree removal to 10 or fewer trees per project at any time of year within 100 feet of existing road/ rail surface and outside of documented roosting/foraging habitat or travel corridors; visual emergence survey must be conducted with no bats observed. (USFWS)
 24. Ensure tree removal is limited to that specified in project plans and ensure that contractors understand clearing limits and how they are marked in the field (e.g., install bright colored flagging/fencing prior to any tree clearing to ensure contractors stay within clearing limits). (USFWS)
 25. Do not remove documented Indiana bat or NLEB roosts that are still suitable for roosting, or trees within 0.25 miles of roosts, or documented foraging habitat any time of year. (USFWS)

For Consideration:

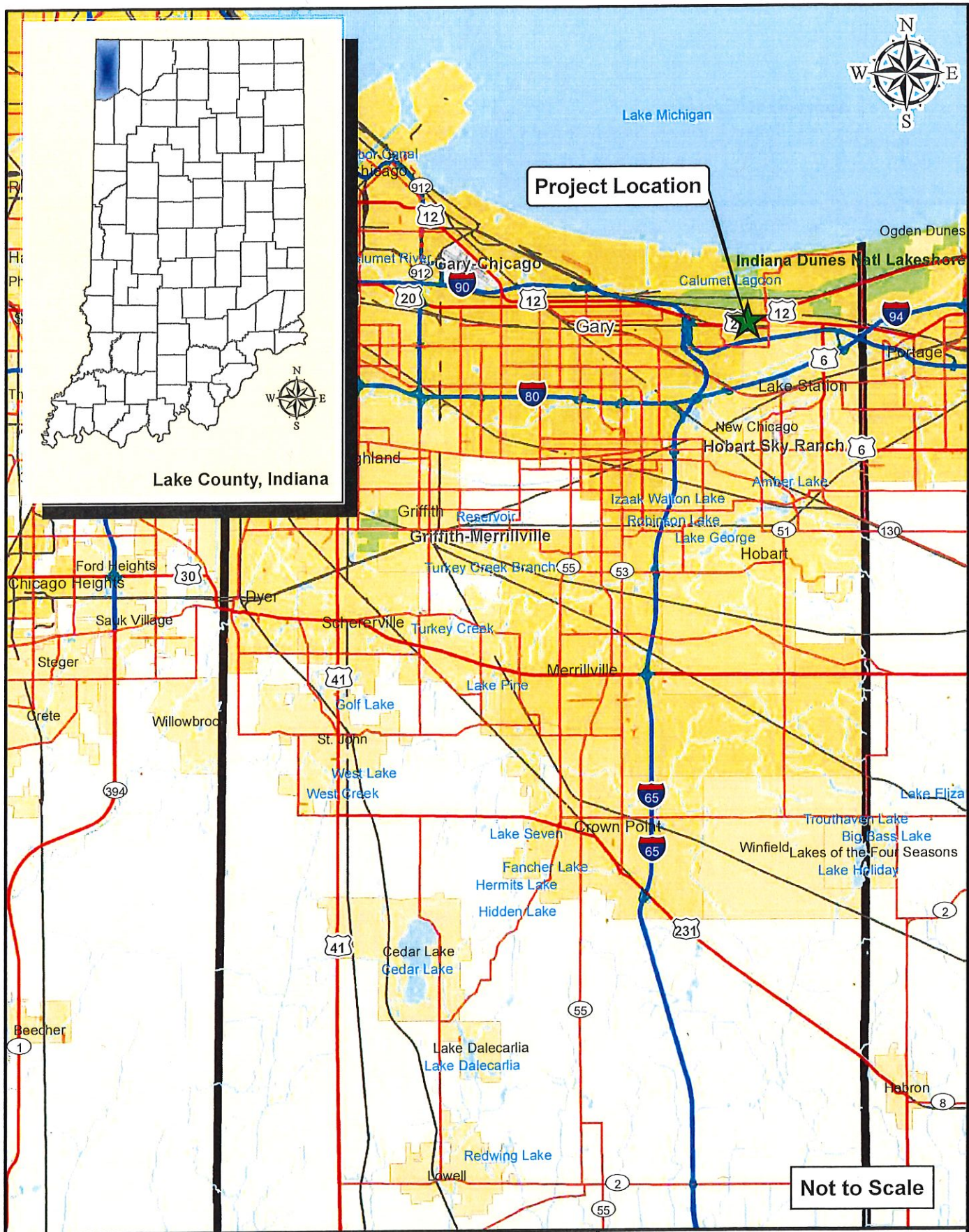
26. Post DO NOT DISTURB signs at the construction zone boundaries and do not clear trees or understory vegetation outside the boundaries. [101.10, 201.01, 201.02] (USFWS)
27. Revegetate all disturbed soil areas immediately upon project completion. (USFWS)
28. IDEM recommends that appropriate structures and techniques be utilized both during the construction phase, and after completion of the project, to minimize the impacts associated with storm water runoff. [205] (IDEM)
29. Reasonable precautions must be taken to minimize fugitive dust emissions from construction and demolition activities. Dirt tracked onto paved roads from unpaved areas should be minimized. [107.08(b)] (IDEM)
30. Sediment-laden water which otherwise would flow from the project site shall be treated by erosion and sediment control measures appropriate to minimize sedimentation. (IDEM)
31. Wastes and unused building materials shall be managed and disposed of in accordance with all applicable statutes and regulations. (IDEM)
32. A stable construction site access shall be provided at all points of construction traffic ingress and egress to the project site. (IDEM)
33. Public or private roadways shall be kept cleared of accumulated sediment that is a result of run-off or tracking. (IDEM)
34. Revegetate all bare and disturbed areas with a mixture of grasses (excluding all varieties of tall fescue), legumes, and native shrub and hardwood tree species as soon as possible upon completion. (IDNR-DFW).
35. Do not cut any trees suitable for Indiana bat or Northern Long-eared bat roosting (greater than 3 inches dbh, living dead, with loose hanging bark, or with cracks, crevices, or cavities) from April 1 through September 30. (IDNR-DFW)
36. Appropriately designed measures for controlling erosion and sediment must be implemented to prevent sediment from entering the stream or leaving the construction site; maintain these measures until construction is complete and all disturbed areas are stabilized. (IDNR-DFW)
37. Plant five trees, at least 2 inches in diameter-at-breast height, for each tree which is removed that is ten inches or greater in diameter-at-breast height. (IDNR-DFW)

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Lake County, Indiana

Project Location



Not to Scale



Project Location Map

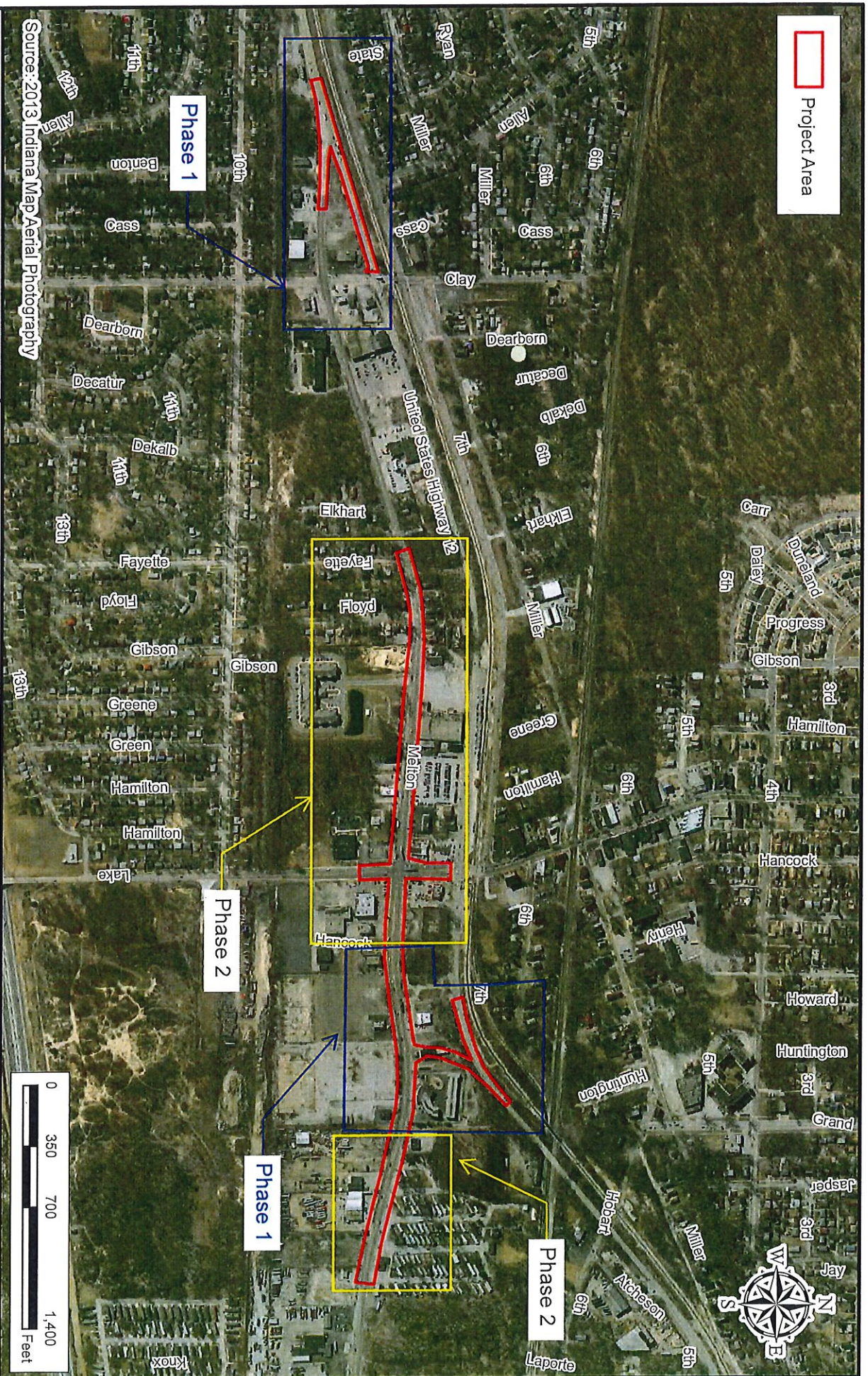
INDOT LaPorte District
315 Boyd Boulevard
LaPorte, IN 46350

US 12 Roadway Realignment and
Reconnection to US 20
Des. No. 1601716
Location: Gary
Township: Calumet
County: Lake
State: Indiana

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Date: 01/08/2018

Path: \\indySANP\Projects\2016\00247\Drawings\Environmental\Arcview\US 12 Realignment to US 20\Maps\Waters\2016_00247_EV_2017-09-19_MAP_StateLocator.kaj.mxd Date: 1/29/2019 User: mdeireal



Project Area

Source: 2013 Indiana Map Aerial Photography

2013 Aerial Photography

Indiana Department of Transportation
Central Office
100 North Senate Avenue
Indianapolis, Indiana 46204

US 12 Roadway Realignment and Reconnection to US 20

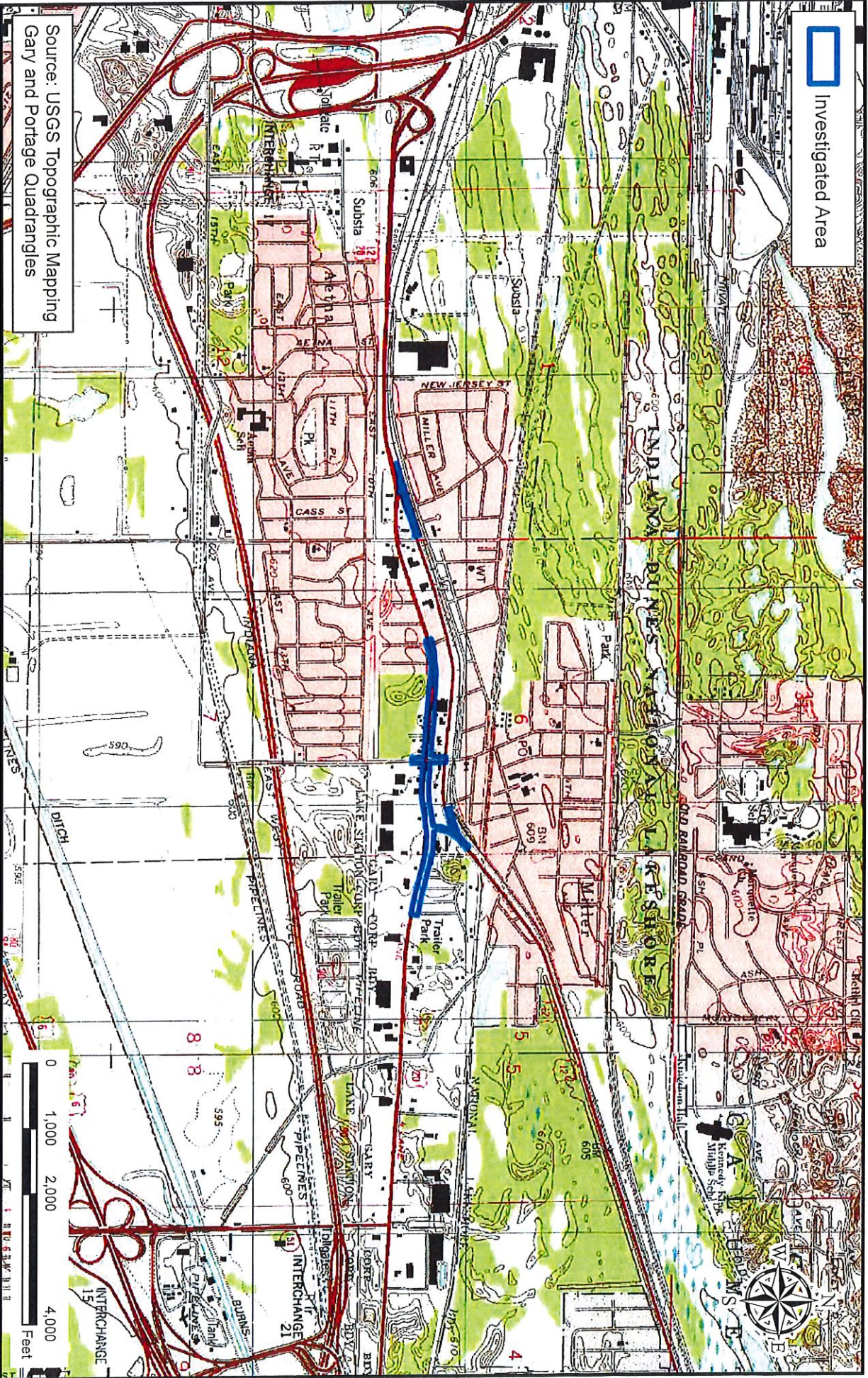
Location: Gary
Township: Calumet
County: Lake
State: Indiana

Date: 02/11/2019

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 Investigated Area



Source: USGS Topographic Mapping
Gay and Portage Quadrangles



USGS Topographic Mapping

INDOT LaPorte District
315 Boyd Boulevard
LaPorte, IN 46350





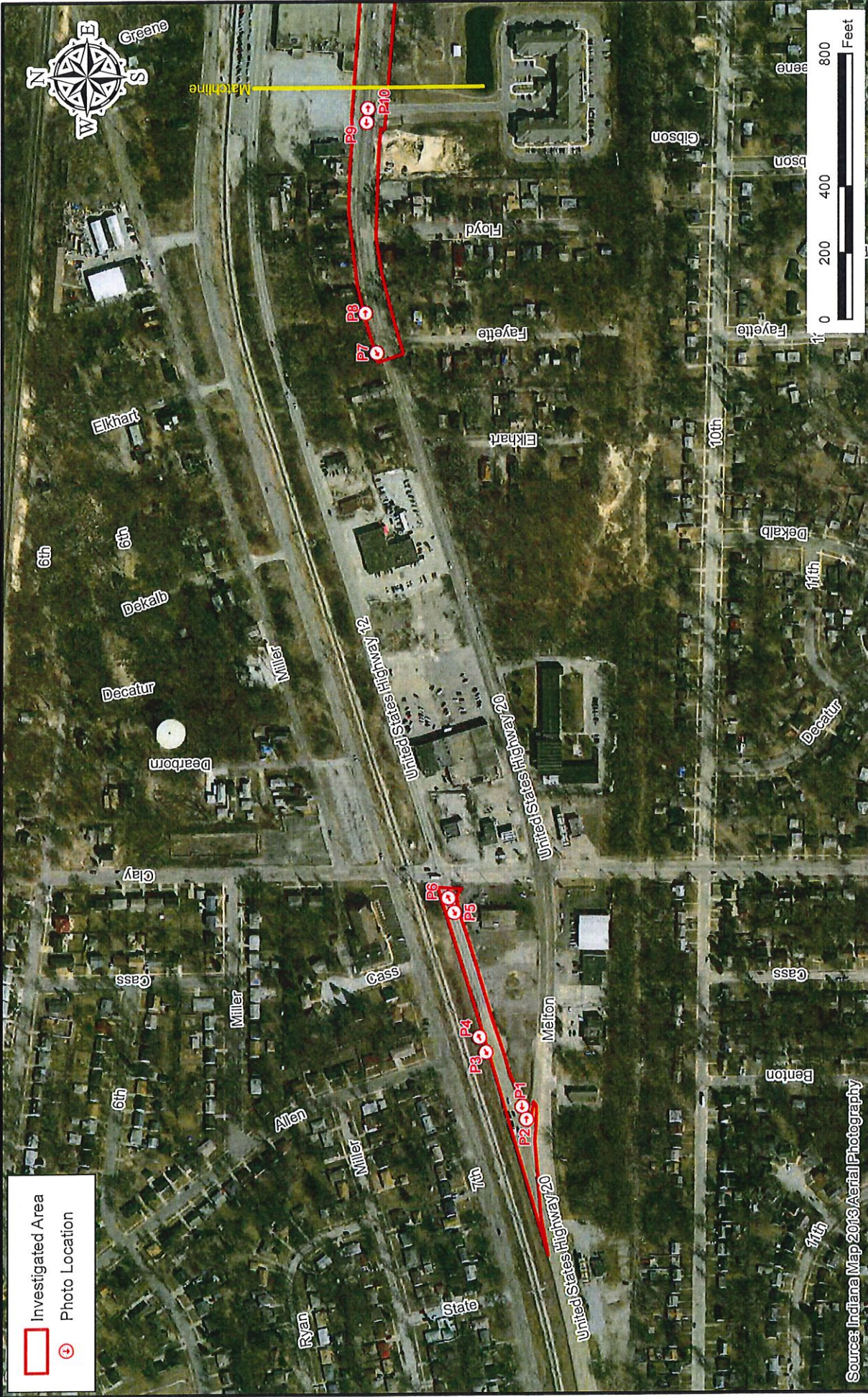
US 12 Roadway Realignment and
Reconnection to US 20
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Location: Gary
Township: Calumet
County: Lake
State: Indiana

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Path: \\indy\ANP\Projects\2016\0247\Drawings\Environmental\Review\US 12 Realignment to US 20\Mapa\2016.0247.EV\2016-03-13_MAP_Photolocation.mxd Date: 3/13/2019 User: mdeireal

 Investigated Area
 Photo Location



Source: Indiana Map 2016/Aerial Photography



Photo Location Map (1 of 2)

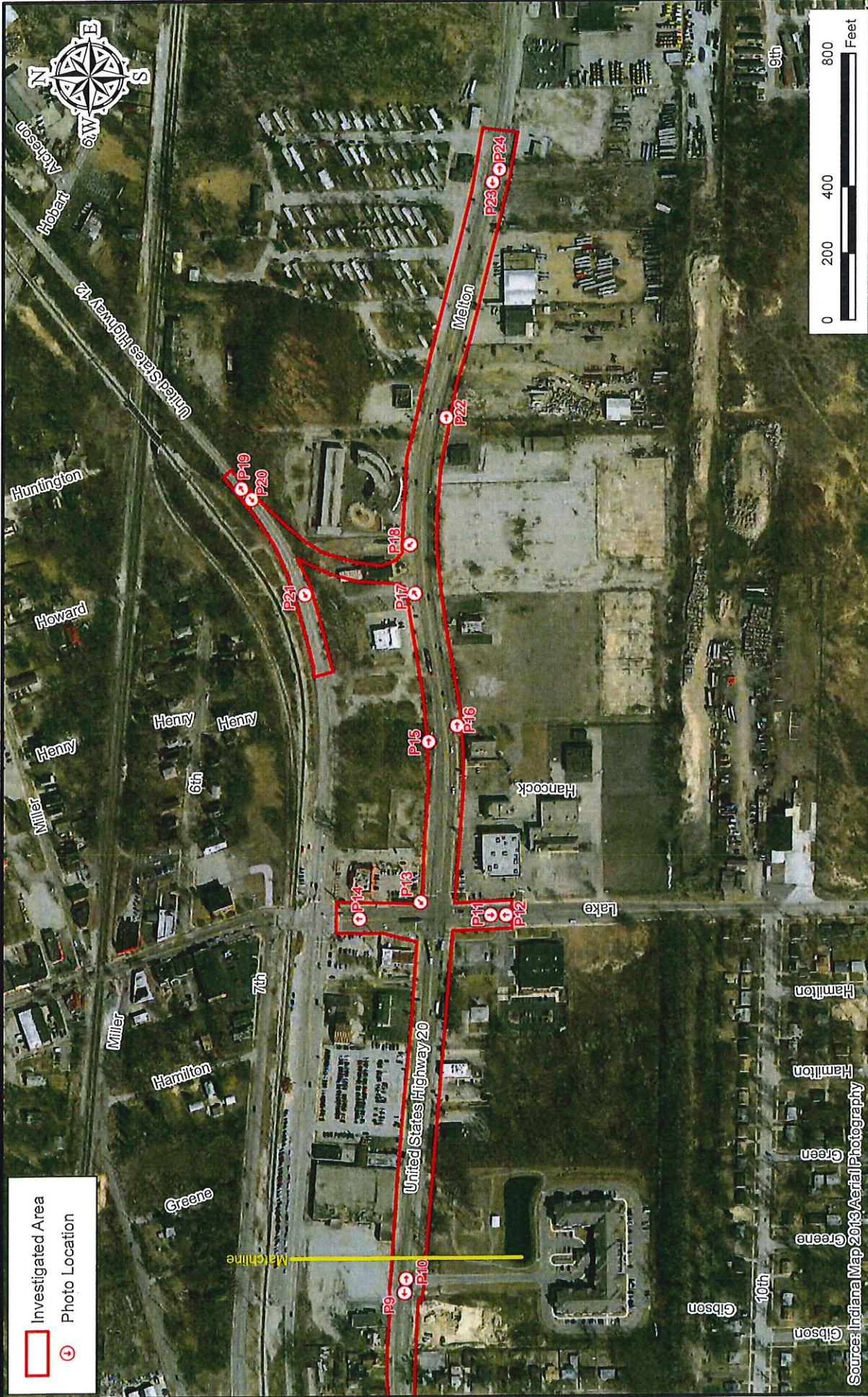
INDOT LaPorte District
 315 Boyd Boulevard
 LaPorte, IN 46350

US 12 Roadway Realignment and Reconnection to US 20

Des. No. 1601716

Location: Gary
 Township: Calumet
 County: Lake
 State: Indiana

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Investigated Area
⊕ Photo Location

US 12 Roadway Realignment and
 Reconnection to US 20
 Des. No. 1601716
 Location: Gary
 Township: Calumet
 County: Lake
 State: Indiana
 Date: 03/13/2018
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Photo Location Map (2 of 2)
 INDOT LaPorte District
 315 Boyd Boulevard
 LaPorte, IN 46350

Source: Indiana Map 2013, Aerial Photography


US 12 Realignment and Reconnection to US 20
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08/29/2017
Gary, Lake County, Indiana



Photo 1. Looking west at the US 12/US 20 intersection from western edge of investigated area.

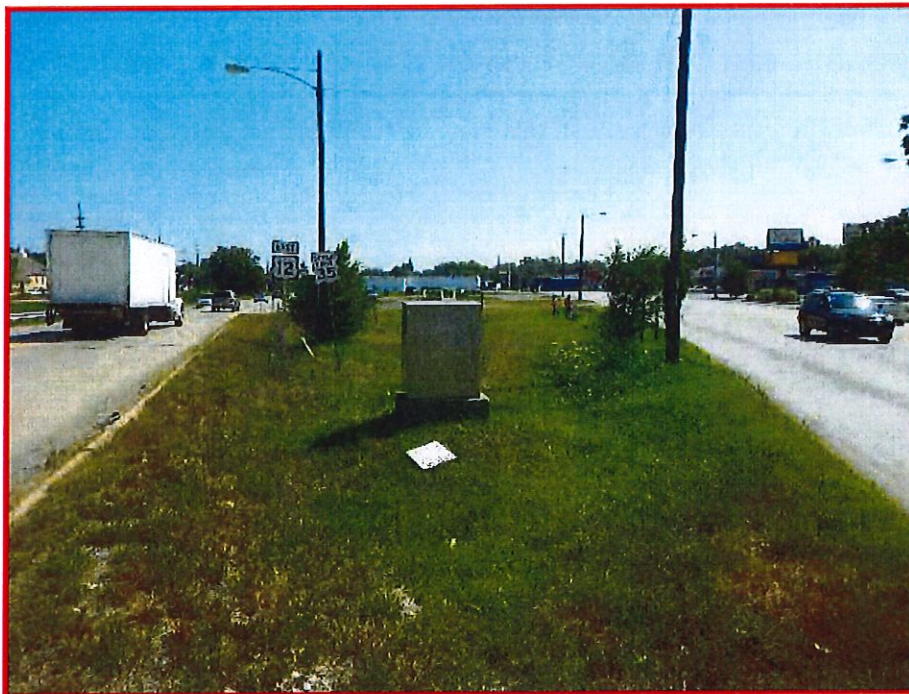


Photo 2. Looking east from the US 12/US 20 intersection and western edge of investigated area.

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Photo 3. Looking southwest from northern edge of US 12.



Photo 4. Looking northeast from northern edge of US 12.

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08/29/2017
Gary, Lake County, Indiana



Photo 5: Looking southwest down US 12 from Clay Street.



Photo 6. Looking northeast on US 12 at Clay Street intersection.

US 12 Realignment and Reconnection to US 20
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08/29/2017
Gary, Lake County, Indiana



Photo 7. Looking southwest from US 20 and Fayette Street intersection.



Photo 8. Looking east from US 20 and Fayette Street intersection

US 12 Realignment and Reconnection to US 20
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Gary, Lake County, Indiana



Photo 9. Looking west on US 20.

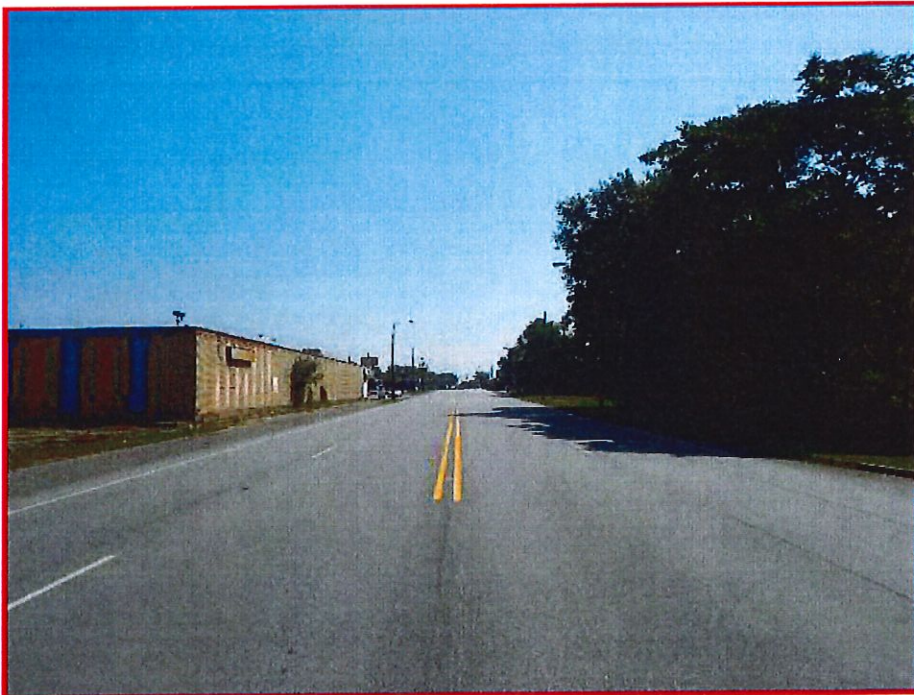


Photo 10. Looking east on US 20.

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Photo 11. Looking south on Lake Street, south of US 20.



Photo 12. Looking north on Lake Street, south of US 20

US 12 Realignment and Reconnection to US 20
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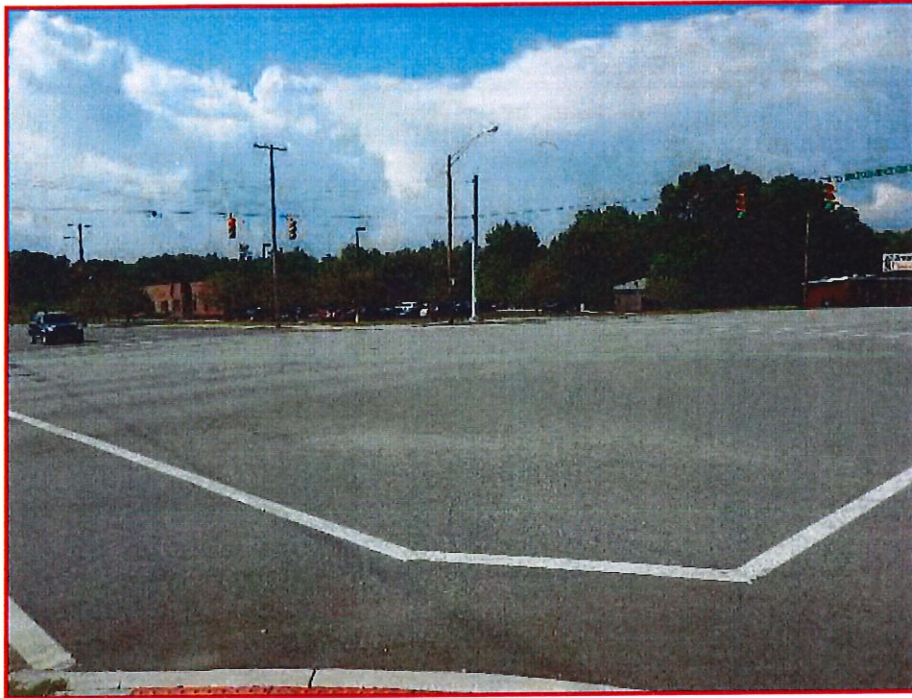


Photo 13. Looking southwest at the US 20 and Lake Street intersection.



Photo 14. Looking north on Lake Street, north of US 20.

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Photo 15. Looking east from northern edge of US 20.



Photo 16. Looking east from southern edge of US 20.

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Photo 17. Looking northeast at Jonathan's Pancake House. Building to be removed.



Photo 18. Looking northwest at Jonathan's Pancake House. Building to be removed.

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Photo 19. Looking northeast from US 12.



Photo 20. Looking southwest from US 12.

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Photo 21. Looking southwest from US 12.



Photo 22. Looking east from southern edge of US 20.

US 12 Realignment and Reconnection to US 20
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08/29/2017
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Photo 23. Looking west from eastern end of investigated area.



Photo 24. Looking east from eastern end of investigated area.