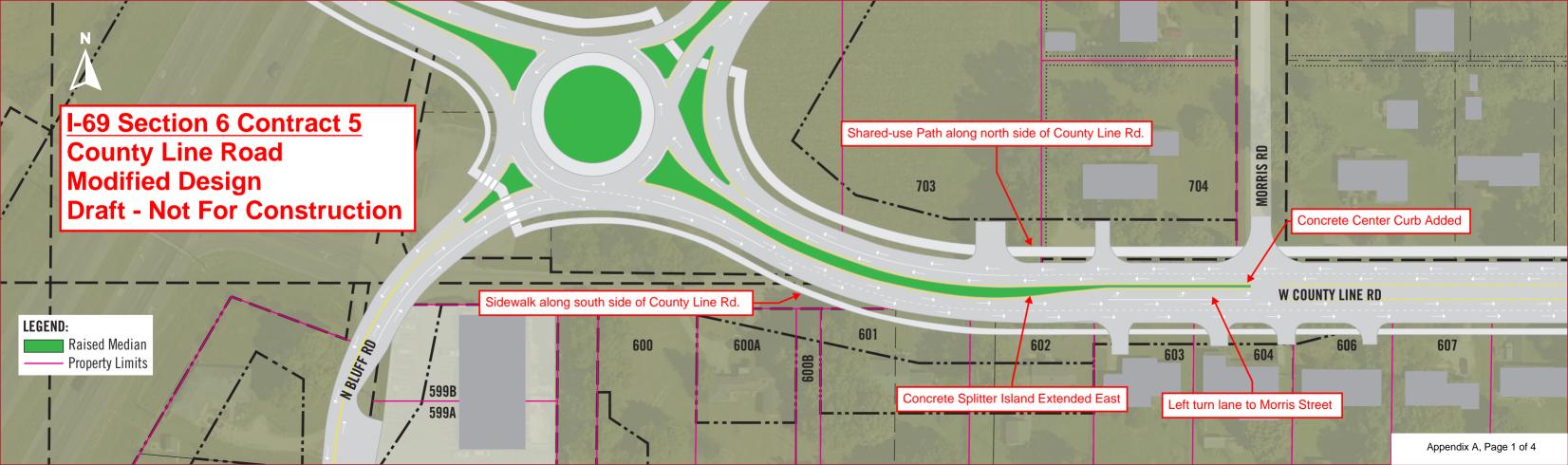
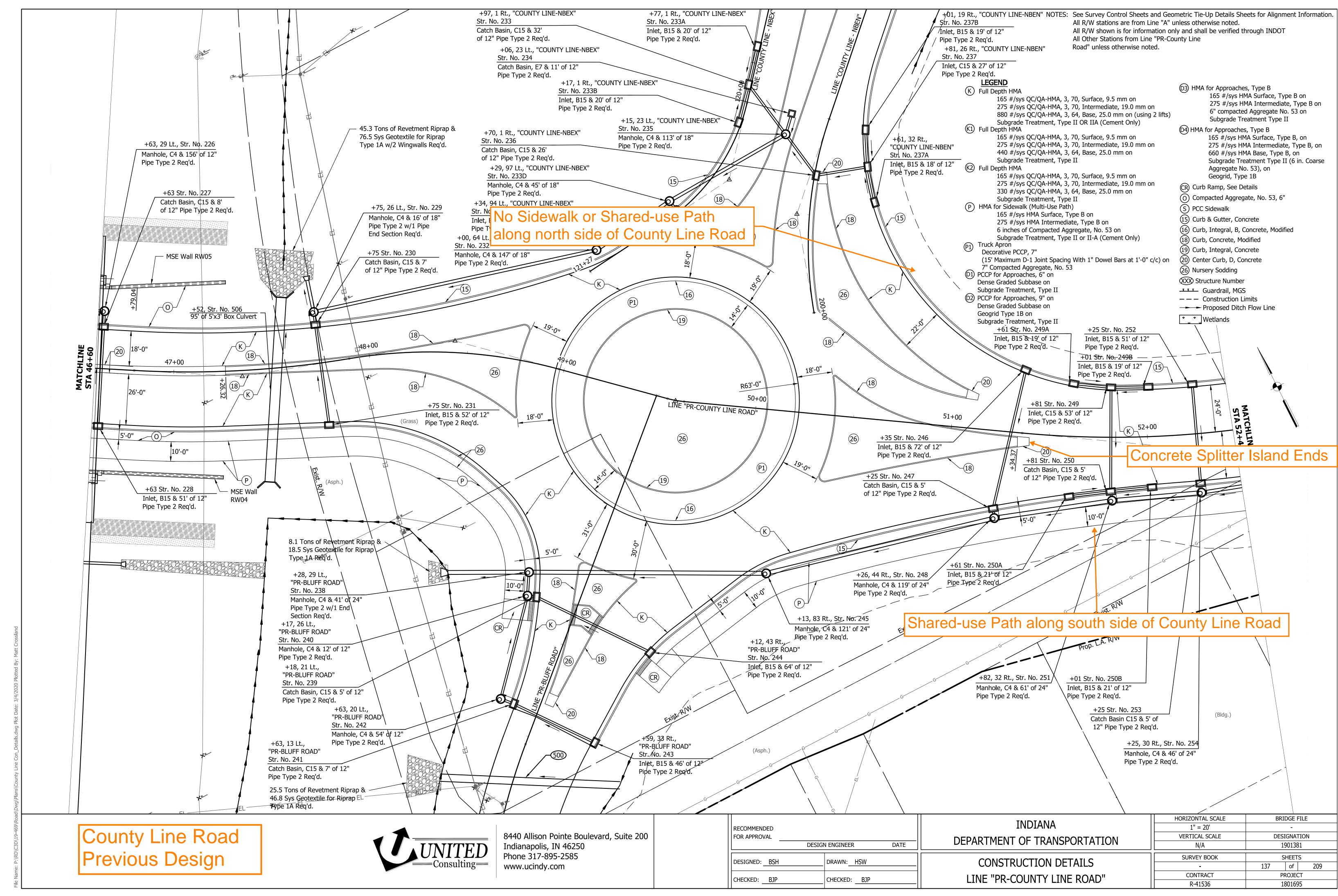
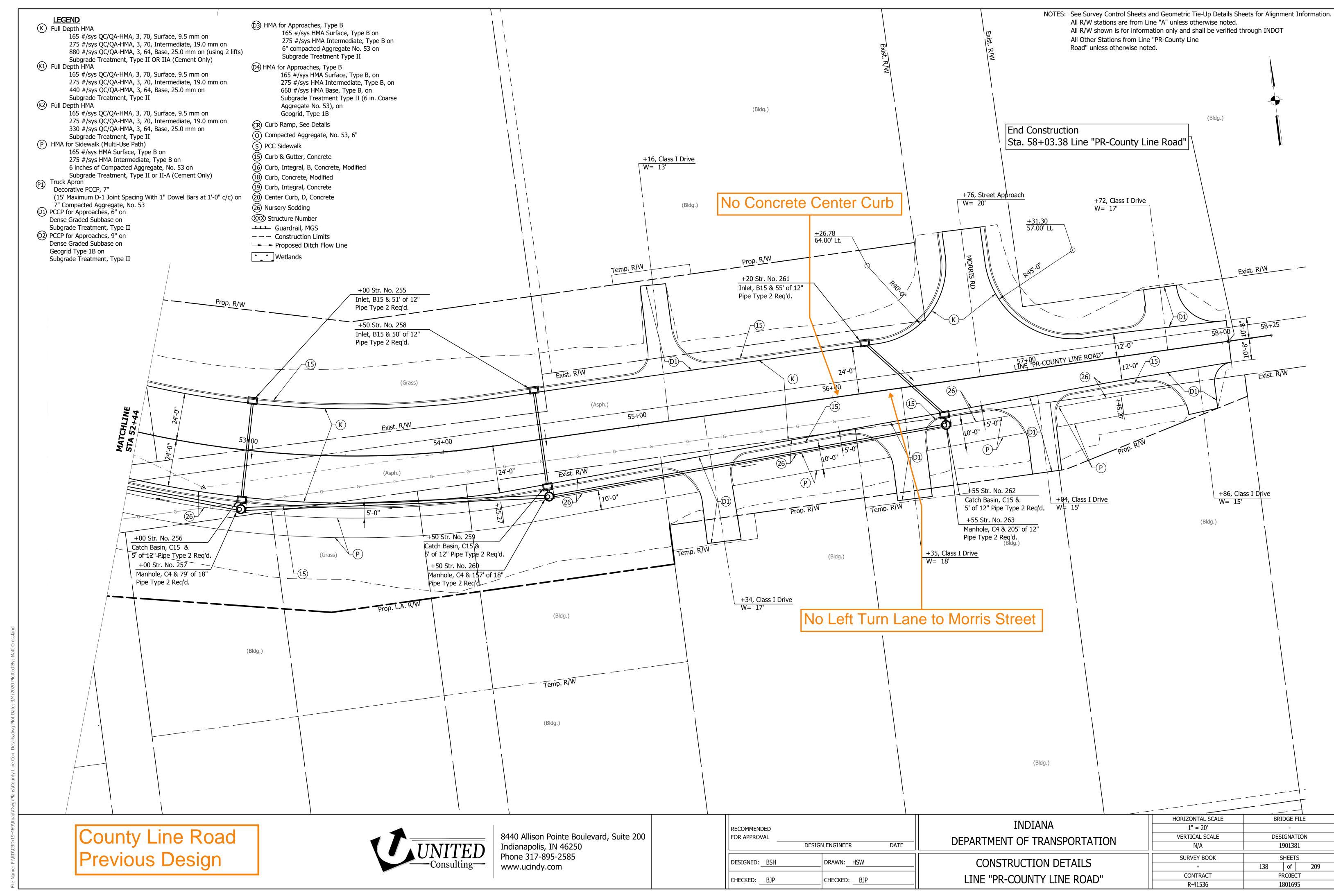
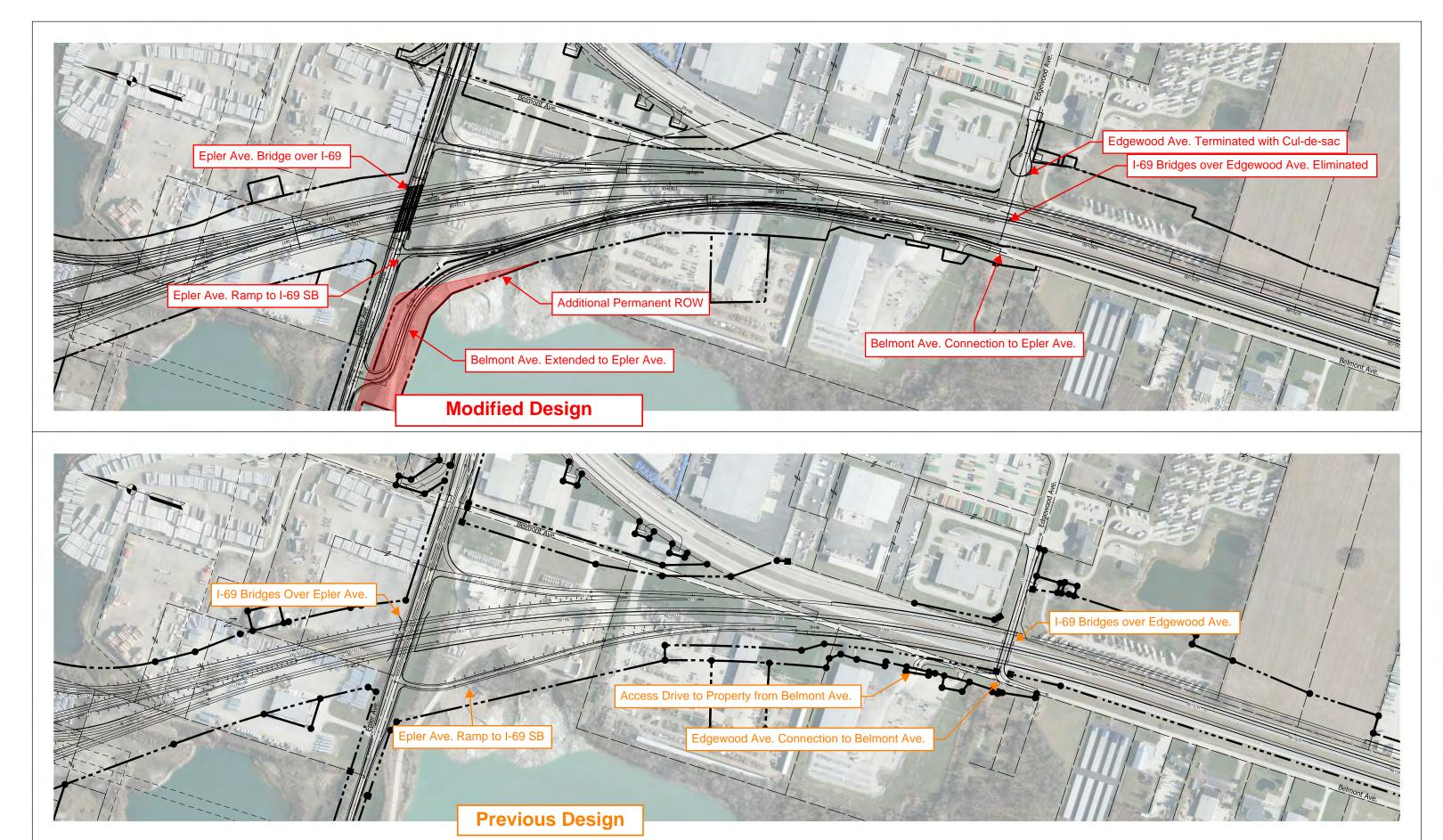
Appendix A – Reevaluation Statement #5

Project Design Modifications







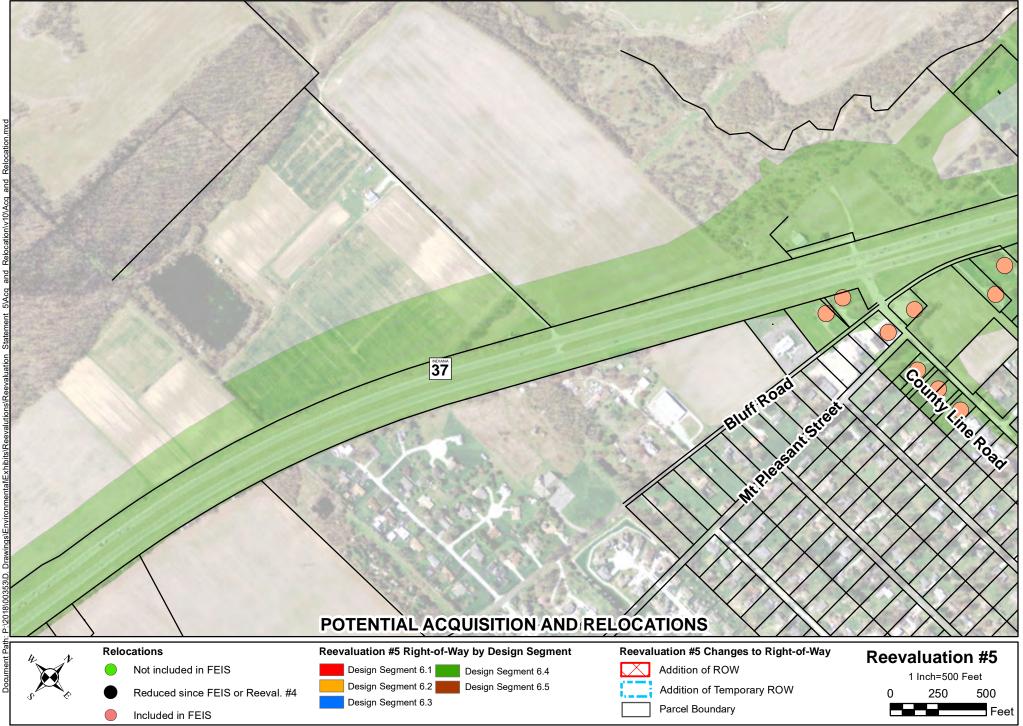


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Appendix B – Reevaluation Statement #5

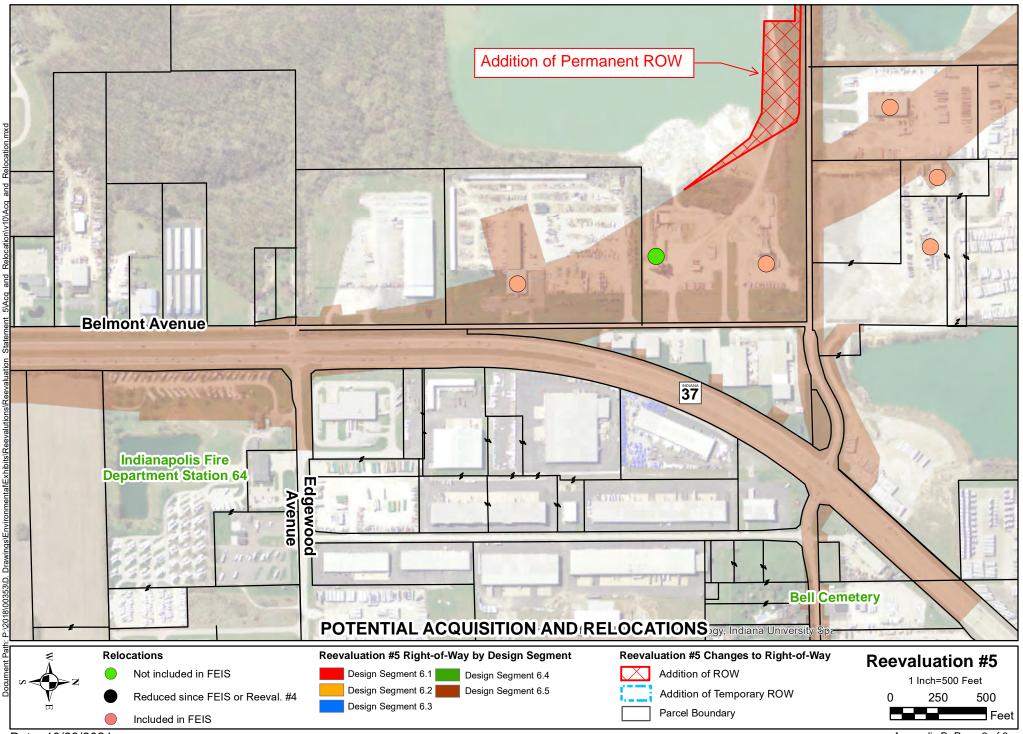
Potential Acquisition and Relocation Mapbook

Reevaluation #5



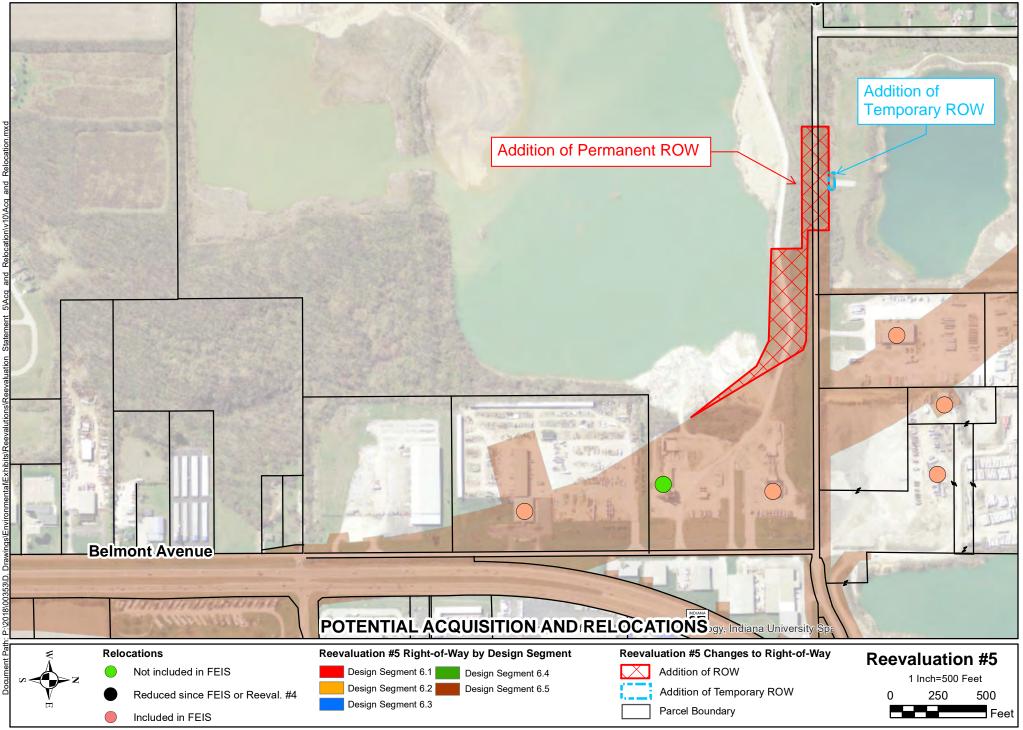
Date: 10/28/2021 Appendix B, Page 1 of 3

Reevaluation #5



Date: 10/28/2021 Appendix B, Page 2 of 3

Reevaluation #5



Date: 10/28/2021 Appendix B, Page 3 of 3

Appendix C – Resource Mapping

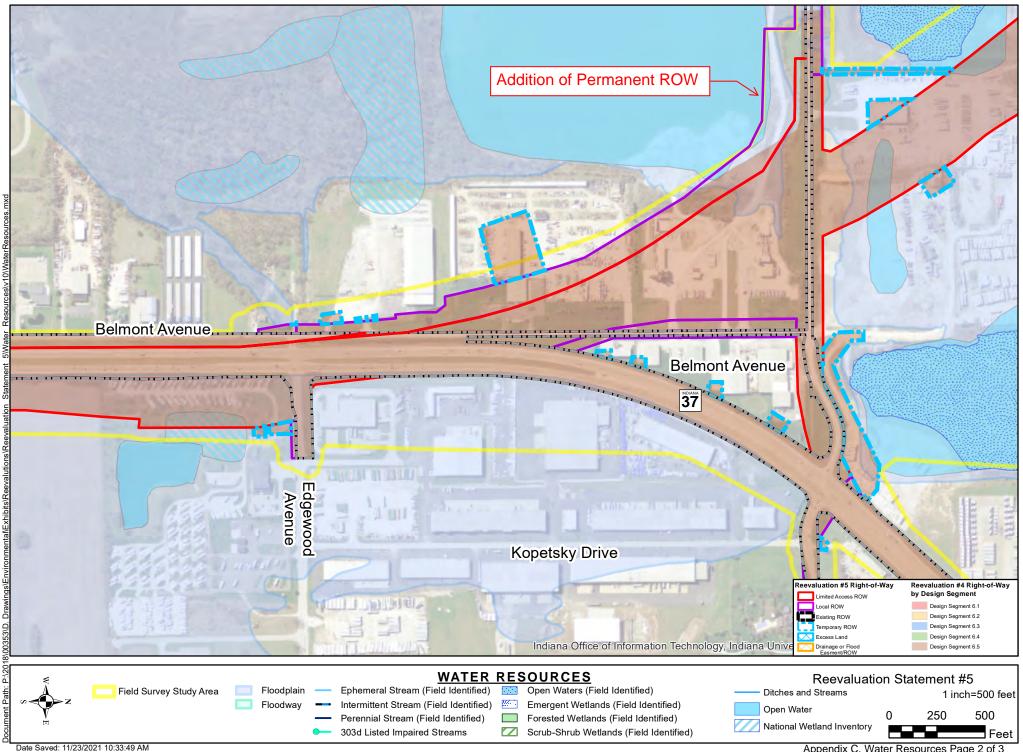
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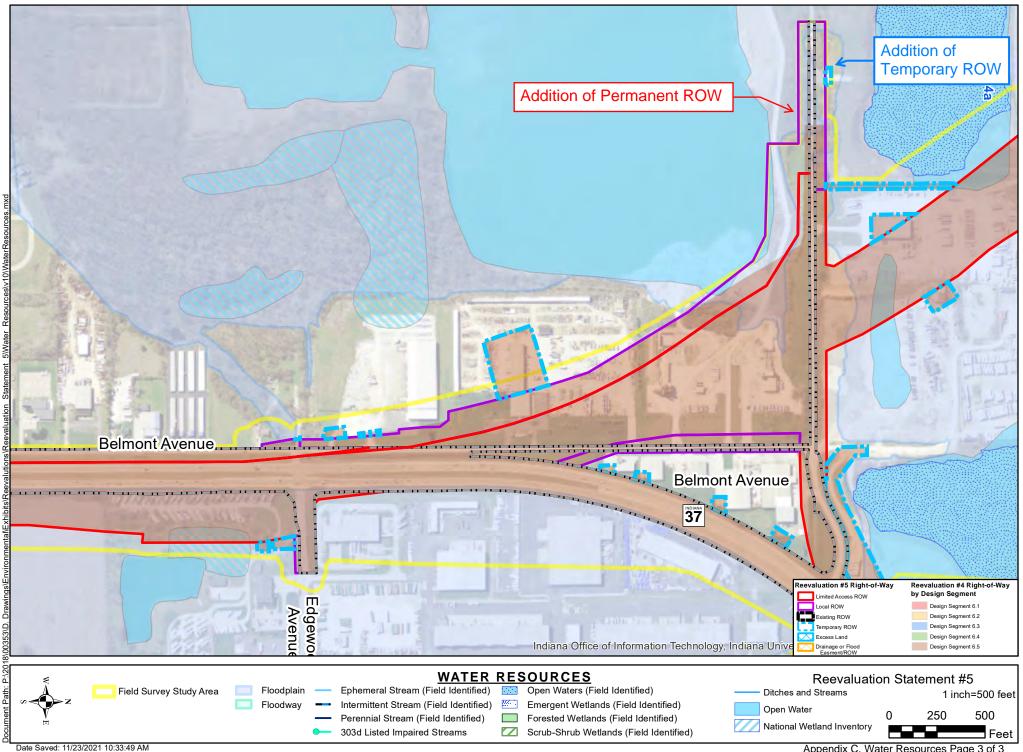
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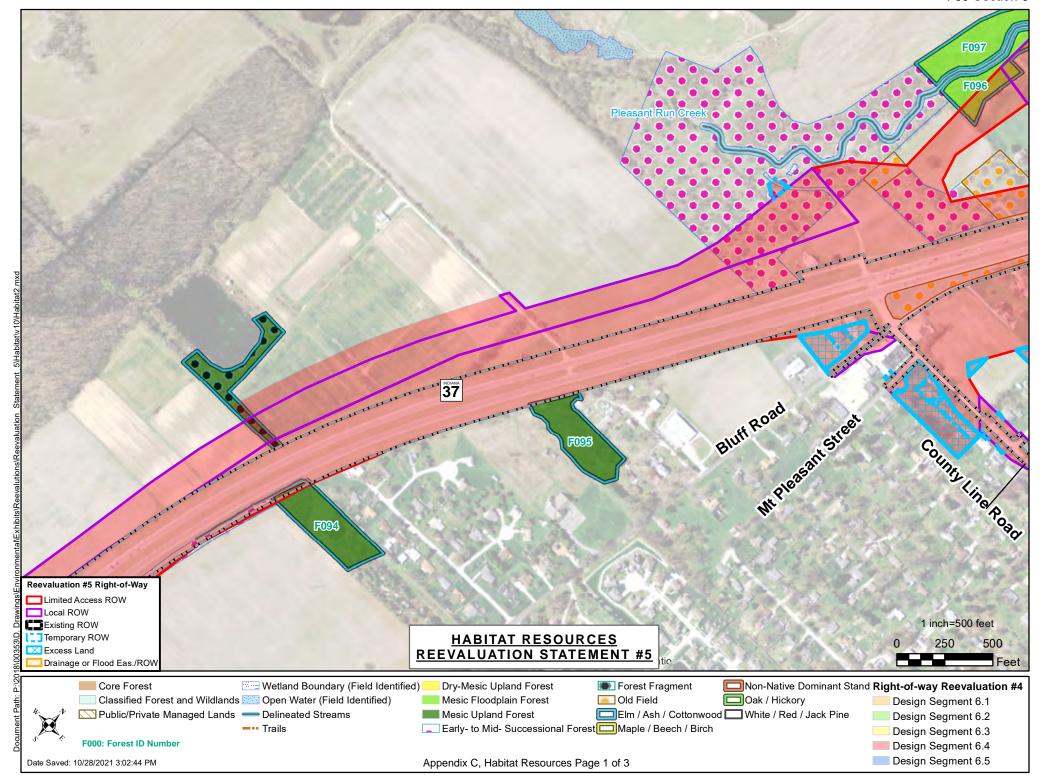
Habitat Mapbook

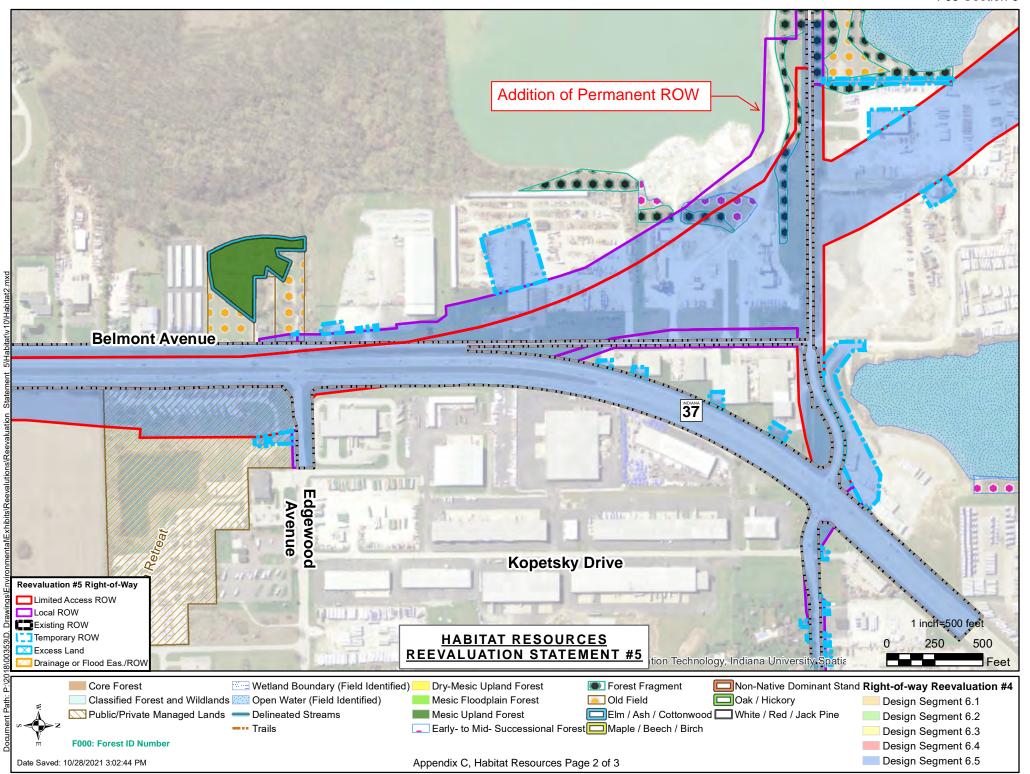
Appendix C, Water Resources Page 1 of 3

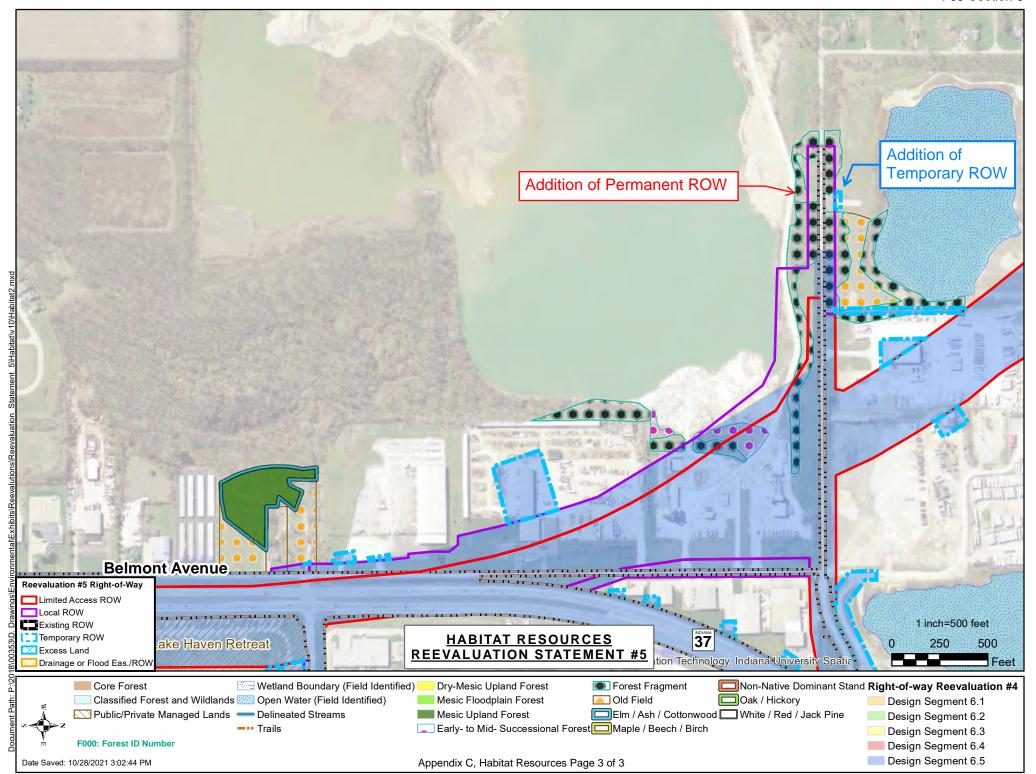
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Appendix D – Resource Agency Re-Coordination



November 5, 2021

Via: E-mail

To: Robin McWilliams, USFWS

Jason Randolph, IDEM Deb Snyder, USACE Matt Buffington, IDNR

From: Sarah Rubin, INDOT I-69 Corridor Project Manager

Re: I-69 Section 6 Contract 5 – Reevaluation Statement #5 Coordination

Cc: Michelle Allen, FHWA

Ron Bales, INDOT Environmental Services Sandra Flum, INDOT Project Manager Andrew Pangallo, INDOT Project Manager Crystal Rehder, INDOT Environmental Services

Adin McCann, HNTB Tim Miller, HNTB

Vince Alley, Walsh Construction

Ms. McWilliams, Mr. Randolph, Ms. Snyder, and Mr. Buffington:

As the design of I-69 Section 6 Contract 5 has progressed, there have been design refinements resulting in changes to natural resource impacts, including forested habitat, wetlands and streams. This email serves to update the agencies on these changes as they will be reflected in the next Reevaluation Statement (Reevaluation Statement #5). These changes are due to advanced design detail and corresponding refinements to the Epler Avenue grade separation, County Line Road, and Belmont Avenue between Epler Avenue and Edgewood Avenue. Only the changes to Belmont Avenue will result in a change to temporary and permanent right-of-way. The refinements offer no new information or circumstances relevant to environmental concerns, nor will they result in significant environmental impacts that were not discussed in the I-69 Section 6 FEIS. The analysis in Reevaluation Statement #5 supports the conclusion that the design in Construction Contract 5 will not have impacts sufficient enough to require the preparation of a Supplemental Environmental Impact Statement. An explanation of the refinements are as follows:

Previously, the design closed Belmont Avenue at Edgewood Avenue and removed the existing portion of Belmont Avenue from Edgewood Drive north to Epler Avenue. The design has since changed to realign (or extend compared to the original design) Belmont Avenue from Edgewood Avenue to Epler Avenue to run generally parallel with the I-69 Southbound on-ramp from Epler Avenue. This realignment of Belmont Avenue will shift the existing intersection of Belmont Avenue and Epler Avenue approximately 0.26 mile west. This design change results in an approximately





4.4 acre increase to permanent right-of-way and an approximately 0.1 acre increase to temporary right-of-way. The changes to proposed right-of-way associated with the design changes described above are depicted in the attached map.

The Refined Preferred Alternative, as approved in the FEIS/ROD, included impacts to 156 acres of forested habitat overall. The design for Segment 6.1 through 6.5, as documented in Reevaluation Statements #1 through #4, included overall a 1.3 acre increase in impacts to forested habitat and no additional impacts to Core Forest from the FEIS. Due to the changes within Construction Contract 5 noted above, an additional 1.6 acre of impacts will occur to forested habitat. Combined with the previous increase to forested impact, there is an overall 2.9 acres increase in impacts to forested habitat and no additional impacts to Core Forest from the FEIS. The additional tree clearing associated with these impacts will not exceed the threshold for reinitiation of consultation. The additional forest impacts associated with design changes described above are depicted in the attached maps.

With regards to waters and wetland resources, the additional right-of-way areas associated with the changes to Belmont Avenue in Design Segment 6.5 were reviewed to identify changes to potential waters and wetland impacts documented in the FEIS. No additional streams, open water, or wetland resources were identified within these areas; therefore, the changes will not result in an increase to streams, open water, or wetland resources. However, the additional right-of-way areas are partially within a floodplain and result in an additional 3.1 acres of floodplain impact.

Overall, the design changes documented in Reevaluation Statements #1 through #5 have reduced total wetland impacts from those documented in the FEIS. This includes a reduction of 0.58 acre of emergent wetland, a reduction of 0.06 acre of forested wetland, and a reduction of 0.62 acre of open water. The design changes documented in Reevaluation Statements #1 through #5 have increased total stream impacts to be 901 linear feet greater than the impacts shown in the FEIS. This includes an additional 636 linear feet of ephemeral stream impact, a reduction of 636 linear feet of intermittent stream impact, and an increase of 901 linear feet of perennial stream impact. The design changes documented in Reevaluation Statements #1 through #5 have increased floodplain impacts by 37.1 acres. Please note that these impacts are based on a right-of-way impact analysis and may not be exactly as reflected in the Section 404 Permit, Section 401 Water Quality Certification, and Construction in a Floodway Permits. If required, permit modifications will be prepared based on the final approved design. Mitigation for the additional impacts has not yet been secured; however, the additional impacts will be mitigated at the appropriate ratios.

If you have any questions or comments on the revision to impacts associated with the changes within Construction Contract 5, please let us know by November 19, 2021. Thank you for your assistance with this project.

Attachments removed to reduce file size. Please see Appendices B and C.

From: McWilliams, Robin < robin_mcwilliams@fws.gov>

Sent: Monday, November 08, 2021 12:41 PM **To:** Rubin, Sarah <SRubin@indot.IN.gov>

Subject: Re: [EXTERNAL] Fwd: I-69 Section 6 Contract 5 - ReEvaluation

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****

Dear Sarah,

Thank you for the new information. Please make sure that any changes to impact amounts are accurately reflected in total project impacts and also in mitigation requirements and please include an overall summary in the Reevaluation Statement #5. Also, as I'm sure you are aware, all tree removal should be completed during the inactive season for bats (Oct. 1 - March 30). I hope we can avoid any further in-season clearing.

Sincerely, Robin

Robin McWilliams Munson Fish and Wildlife Biologist U.S. Fish and Wildlife Service 620 South Walker Street Bloomington, IN 46142 812-334-4261

Mon-Tues 8-3:30p Wed-Thurs 8:30-3p Telework

From: Rubin, Sarah < Sent: Saturday, November 6, 2021 2:26 PM

To: McWilliams, Robin < robin mcwilliams@fws.gov>

Subject: [EXTERNAL] Fwd: I-69 Section 6 Contract 5 - ReEvaluation

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Robin -

I apologize for the typo in your email address in my prior email. Please see below and attached.

Best, Sarah Rubin

Sent from my iPhone

Begin forwarded message:

From: "Rubin, Sarah" < SRubin@indot.in.gov>
Date: November 5, 2021 at 12:43:00 PM EDT

To: Deborah Snyder < <u>Deborah.D.Snyder@usace.army.mil</u> >, "Buffington, Matt" < <u>MBuffington@dnr.in.gov</u> >, <u>robin_mcwilliams@fws.com</u>, "RANDOLPH, JASON"

<JRANDOLP@idem.in.gov>

Cc: "Allen, Michelle (FHWA)" < "michelle.allen@dot.gov">"michelle.allen@dot.gov">"michelle.allen@dot.gov">"michelle.allen@dot.gov">"Flum">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"michelle.allen@dot.gov<">"mi

Sandra" < SFlum@indot.in.gov>, "Andrew Pangallo (APangallo@indot.IN.gov)"

<a>Pangallo@indot.in.gov>, Adin McCann <amccann@hntb.com>, "Rehder, Crystal"

<CRehder@indot.in.gov>, Timothy Miller <tnmiller@hntb.com>, "Alley, Vincent"

<valley@walshgroup.com>

Subject: I-69 Section 6 Contract 5 - ReEvaluation

All:

Please find attached a memo summarizing the I-69 Section 6 Contract 5 ReEvaluation #5 Statement. The memo discusses design refinements at Epler Ave., County Line Rd. and the Belmont Ave. extension between Edgewood Ave. and Epler Ave.

If any questions arise as you are reviewing the attached letter please don't hesitate to reach out. As noted in the letter please provide any comments by 11/19/21.

Best, Sarah

Sarah Rubin

Major Projects Deputy Director I-69 Finish Line Corridor Project Manager Cell: (317) 775-4396

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Appendix E – Wetland Delineation and Waters Report





WETLAND DELINEATION AND WATERS REPORT

I-69 SECTION 6 CONTRACT 5
BELMONT EXTENSION
DES. NO. 1801695
INDIANAPOLIS, MARION COUNTY, INDIANA
39.685344/-86.201871



Prepared for:

INDIANA DEPARTMENT OF TRANSPORTATION 100 N SENATE AVENUE INDIANAPOLIS, INDIANA 46204

Prepared by:

AMERICAN STRUCTUREPOINT, INC. 9025 RIVER ROAD, SUITE 200 INDIANAPOLIS, INDIANA 46240 (317) 547-5580

AUGUST 10, 2021



1.0 Introduction

American Structurepoint, Inc. was contracted by Walsh Milestone Joint Venture (JV) to perform a wetland delineation and waters investigation for the Belmont Extension of the Indiana Department of Transportation's (INDOT) Interstate 69 (I-69) Section 6 Contract 5 project located in Indianapolis, Marion County, Indiana.

Date of Field Reconnaissance: July 26, 2021

Project Description: The original I-69 Section 6 Contract 5 design as described in the Tier 2 Final Environmental Impact Statement (FHWA-IN-EIS-19-01-F), Record of Decision (ROD), and Reevaluation Statements #1-4, closed Belmont Avenue at Edgewood Avenue and removed the existing portion of Belmont Avenue from Edgewood Drive north to Epler Avenue. The design has since changed to realign (or extend compared to the original design) Belmont Avenue from Edgewood Avenue to Epler Avenue to be generally parallel with the I-69 Southbound (SB) on-ramp from Epler Avenue. This realignment of Belmont Avenue will shift the existing intersection of Belmont Avenue and Epler Avenue approximately 0.26 mile west.

Project Location:

City		Indianapolis			
County		Marion			
Latitude/Longitude		39.685344/-86.201871			
Maywood, Indiana 7.5 Minute Quadrangle					
Section(s)	Township		Range		
4	4N		3E		

The investigated area begins along Epler Avenue approximately 0.20 mile west of Belmont Avenue and extends for approximately 0.22 mile west. Additionally, the investigated area extends south from Epler Avenue up to 0.15 mile south into an active aggregate plant property that includes a manmade gravel pit that has filled with water, as well as an east-west access road north of the gravel pit. The location and approximate boundaries of the investigated area can be seen in the attached maps and aerial photographs (Appendix B).

The proposed project is located in Land Resource Region (LRR) M, as recognized by the US Department of Agriculture. As such, this wetland delineation was conducted in accordance with the *Corps of Engineers Wetland Delineation Manual* (Environmental Laboratory, 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region* (U.S. Army Corps of Engineers, 2010).

No wetlands or waters of the U.S. were delineated within the investigated area.

2.0 Site Characterization – Records Review

2.1 USGS Topographic Mapping

The investigated area is located on the Maywood, Indiana United States Geological Survey (USGS) 7.5 Minute Quadrangle Map in Section 4, Township 4 North, and Rage 3 East in Indianapolis, Marion County, Indiana.

Page 1

Appendix E, Page 2 of 27



The topographic map depicts the investigated area as cleared land (white background). No streams are present within the investigated area; however, one intermittent stream is depicted approximately 40 feet northwest of the investigated area. This intermittent stream is unnamed and flows west then southwest to Hare Ditch. The intermittent stream was not identified during the July 26, 2021 site investigation.

2.2 National Wetlands Inventory Mapping (NWI) Maps

The NWI Mapping was reviewed for the investigated area and one NWI wetland is mapped within the investigated area. The NWI wetland is classified as a Lacustrine, Limnetic, Unconsolidated Bottom, Permanently Flooded, Excavated (L1UBHx) under the Cowardin Classification System and is located approximately 0.18 mile west of Belmont Avenue and approximately 0.03 mile south of Epler Avenue. The NWI wetland is located south of the aggregate plant's access road near the southern limit of the investigated area and was field verified as a manmade gravel pit during the July 26, 2021 site investigation, which is further discussed below in Section 3.3.1.

2.3 County Soil Survey

The NRCS Soil Survey Geographic Database (SSURGO) was reviewed to determine soil classification within the investigated area. Soil types mapped within the investigated area include:

Soil Map Unit Summary							
Map Unit Name	Map Unit Symbol	SSURGO Hydric Rating by Map Unit					
Pg	Pits, gravel	0					
W	Water	0					
FoB2	Fox loam – Urban land complex, 2 to 6 percent slopes, eroded	3					
FoA	Fox loam – Urban land complex, 0 to 2 percent slopes	5					
FxC2	Fox – Urban land complex, 6 to 15 percent slopes, eroded	0					
Sn	Sloan silt loam – Urban land complex, 0 to 2 percent slopes, frequently flooded, brief duration	70					

2.4 Aerial Photography

Aerial photography from 2021 (Nearmap) was reviewed for the investigated area. The 2021 aerial photography depicts a manmade gravel pit that has filled with water and is adjacent to the investigated area. This manmade gravel pit was depicted on the NWI mapping as a wetland. The 2021 aerial photography does not depict the intermittent stream northwest of the investigated area that was identified on the USGS Topographic mapping.

2.5 Floodways and Floodplains

The Federal Emergency Agency (FEMA) Flood Insurance Mapping (FIRM) was reviewed for the investigated area. The FEMA designated floodway associated with the White River encompasses a majority of the investigated area. The White River is located approximately 1.09 mile west of the investigated area.

2.6 National Hydrography Dataset Flow Lines

The USGS National Hydrography Dataset (NHD) flow lines were reviewed for the investigated area. There are no USGS NHD flow lines present in the investigated area; however, one USGS NHD flow line is located

Page 2

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approximately 90 feet northwest of the investigated area. This USGS NHD flow line is associated with the same intermittent stream depicted on the USGS Topographic mapping. The stream was not identified during the July 26, 2021 site investigation.

NHD Flow Line Name	Field Verified			
Unnamed	No			

2.7 Legal Drain

The Marion County Surveyors Office Geographic Information System (https://maps.indy.gov/MapIndy/) was accessed on August 4, 2021 by American Structurepoint, Inc. staff. No legal drains were identified within the investigated area.

2.8 12-Digit Hydrologic Unit Code

The USGS 12-Digit Hydrologic Unit Code (HUC) mapping was reviewed for the investigated area. The investigated area is located within the Pleasant Run-White River 12-Digit HUC (051202011205).

3.0 Field Reconnaissance

The Belmont Extension of I-69 Section 6 Contract 5 was examined for the presence of wetlands and waters of the U.S. on the site on July 26, 2021. Data points were strategically placed to identify appropriate boundaries of delineated wetlands and to determine the presence or absence of jurisdictional wetlands and waters of the U.S. No wetlands or waters of the U.S. were identified within the investigated area. Data sheets and a map indicating the location of data points documenting the field investigation are included in the appendices.

3.1 Wetlands

No wetlands were delineated within the investigated area. The investigated area was thoroughly reviewed for areas of hydrophytic vegetation and wetland hydrology. One data point (DP 1) was collected in an area that had exhibited hydrologic indicators and was located in a low-lying area surrounding a culvert inlet and outlet. DP 1 is located approximately 0.22 mile west of Belmont Avenue and 0.01 mile south of Epler Avenue. The dominant vegetation consisted of *Cornus drummondii* (FAC) and *Lonicera morrowii* (FACU) within the sapling/shrub stratum. Hydrologic indicators included Sediment Deposits (B2) and Drainage Patterns (B10). Although DP 1 possessed hydrologic indicators, it did not possess the hydrophytic vegetation or hydric soil to be determined a wetland.

The one wetland mapped on the NWI map is associated with the manmade gravel pit that was field verified to be located south of the investigated area. According to the Marion County SSURGO Database, the majority of the investigated area is mapped within non-hydric soils with the exception of a small portion of the northwest corner of the investigated area.

3.2 Drainage Features, Streams, and Other Potential "Waters of the U.S."

The investigated area was surveyed for drainage features, streams, and other potential "waters of the U.S." and none of these features were identified during the site investigation.



3.3 Other Features (Erosional Feature/Roadside Ditch/Ravine Draw, etc.)

3.3.1 Manmade Gravel Pit

A manmade gravel pit filled with water is located adjacent to the southern border of the investigated area within an active aggregate plant. The manmade gravel pit begins approximately 0.23 mile west of Belmont Avenue and approximately 0.05 mile south of Epler Avenue where it extends to the west and south. The manmade gravel pit was investigated due to it being mapped as a wetland within the investigated area on the NWI mapping. During the July 26, 2021 site investigation, it was observed that the manmade gravel pit is actively being filled with material and has decreased in size. The boundaries of the manmade gravel pit are no longer within the investigated area and it is now located south of the investigated area.

3.3.2 Drainage Swale 1

Drainage Swale 1 is located within a low-lying area that collects roadway drainage south of Epler Avenue and north of the access road within the aggregate plant. Drainage Swale 1 begins approximately 0.19 mile west of Belmont Avenue and extends approximately 30-feet northwest before terminating. The drainage swale was inspected and was determined to not exhibit defined bed and bank or a continuous ordinary high water mark.

3.3.3 Drainage Swale 2

Drainage Swale 2 is located within a low-lying forested area at a culvert outlet south of Epler Avenue and north of the access road within the aggregate plant. Drainage Swale 2 begins approximately 0.01 mile south of Epler Avenue at a culvert outlet and extends approximately 14-feet south within the investigated area. Drainage Swale 2 extends south beyond the investigated area. The drainage swale was inspected and was determined to not exhibit defined bed and bank or a continuous ordinary high water mark.

3.4 Non-Wetland Data Points

DP 1 was collected due the presence of hydrologic indicators. However, DP 1 lacked the hydrophytic vegetation and hydric soil to be determined a wetland. For reference to field data collected for DP 1, see Appendix D.

4.0 Conclusions

The Belmont Extension of I-69 Section 6 Contract 5 was examined for the presence of wetlands and waters of the U.S. A site assessment completed on July 26, 2021 resulted in the conclusion that no wetlands or other jurisdictional waters are present within the investigated area.

All jurisdictional waters of the U.S. are under the regulatory authority of the USACE under Section 404 of the Clean Water Act. Every effort should be taken to avoid and minimize impacts to the waterway and wetlands. If impacts are necessary, then mitigation may be required. The INDOT Environmental Services Division should be contacted immediately if impacts will occur. The final determination of jurisdictional waters is ultimately made by the USACE. This report is our best judgment based on the guidelines set forth by the USACE.

Page 4



5.0 Acknowledgement

This waters determination has been prepared based on the best available information, interpreted in the light of the investigator's training, experience and professional judgement in conformance with the 1987 Corps of Engineers Wetlands Delineation Manual, the appropriate regional supplement, the USACE Jurisdictional Determination Form Instructional Guidebook, and other appropriate agency guidelines.

AUTHORS:

- 2021-08-10

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American Structurepoint, Inc.

JWN (/ JWN 2021-08-10

Sarah J. Ever**K**art

Senior Environmental Specialist severhart@structurepoint.com

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American Structurepoint, Inc.



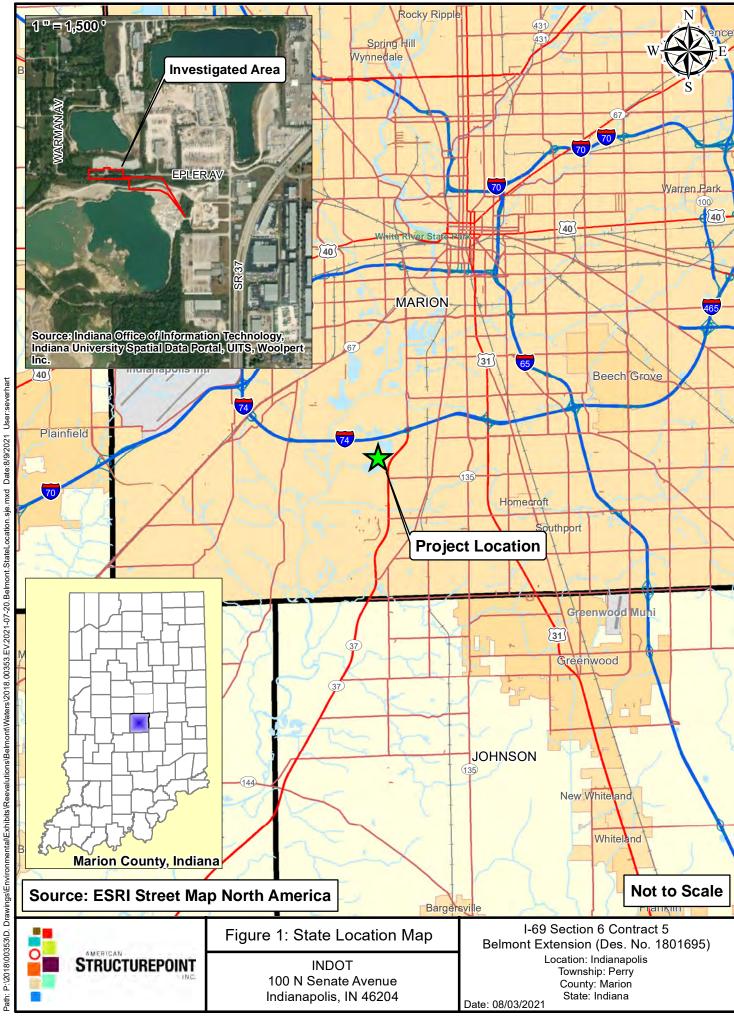
6.0 References

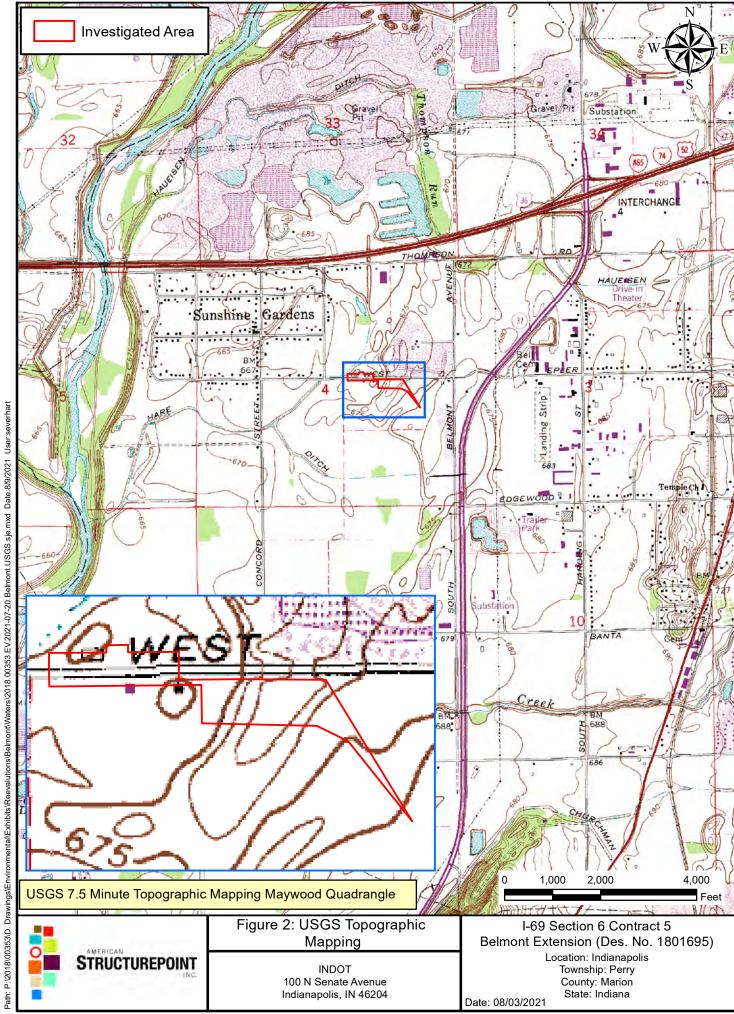
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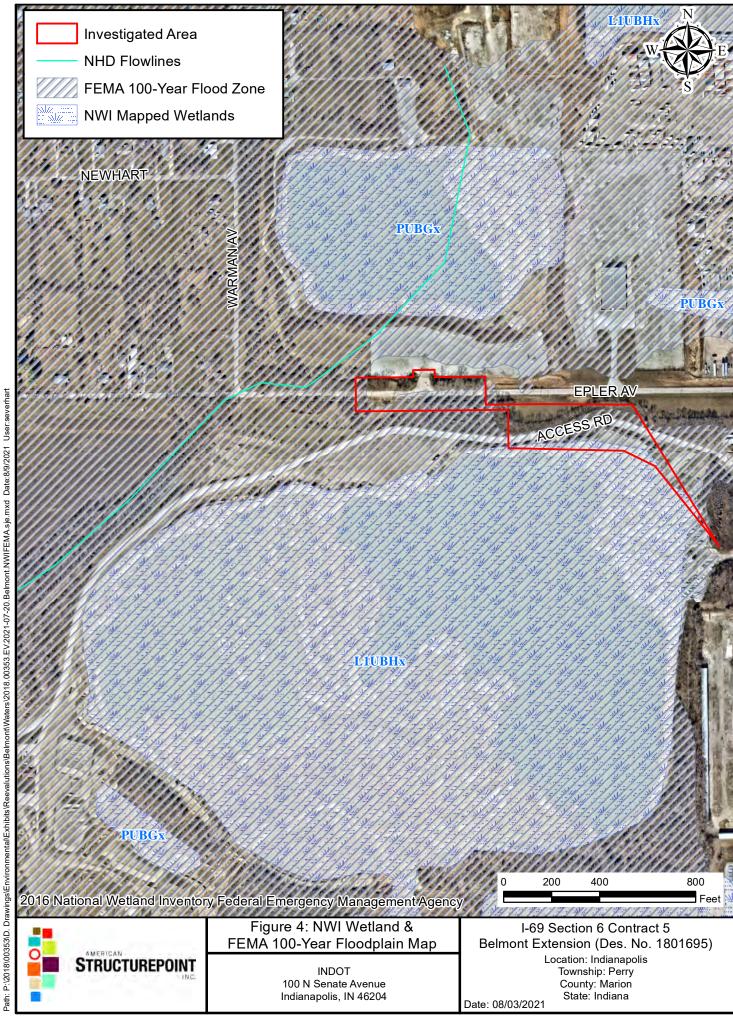
Table 1 – Data Points Summary

Data Points Summary									
Data Point	Photos	Lat/ Long	Water Resource	Hydrophytic Vegetation	Hydric Soils	Wetland Hydrology	Within a Wetland		
1	12-14	39.685385/ -86.200781	N/A	No	No	Yes	No		











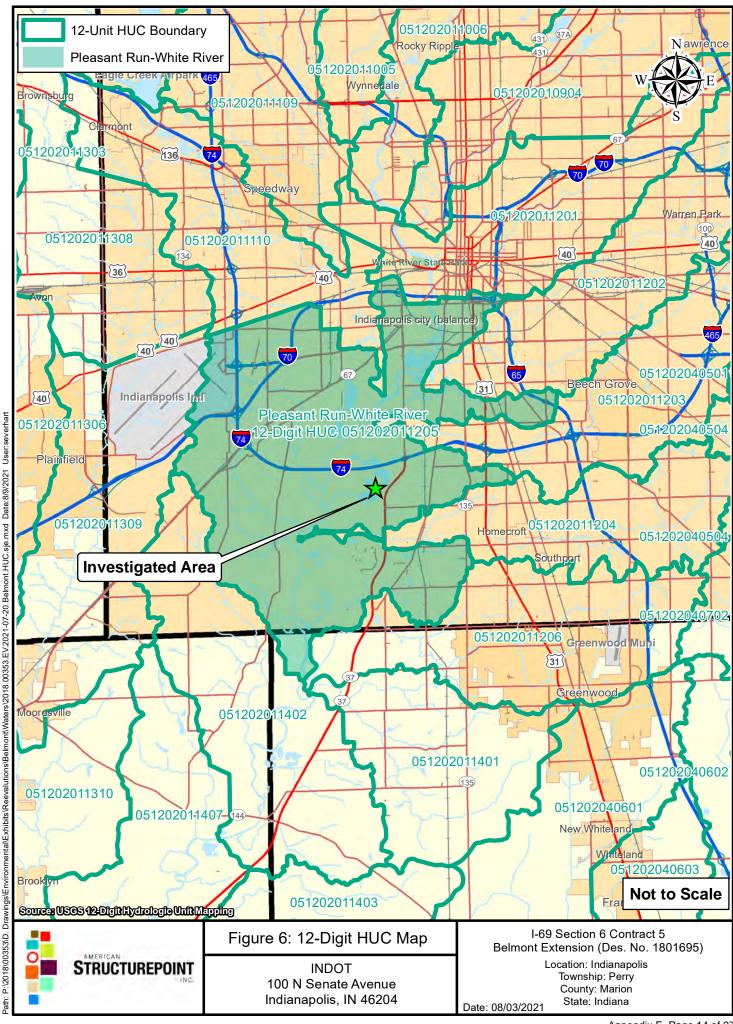






Photo 1. Looking southeast towards the southeast limits of the investigated area.



Photo 3. Looking southeast within the investigated area.



Photo 2. Looking southeast within the investigated area.



Photo 4. Looking southwest at the fill area of the manmade gravel pit within the investigated area.



Photo 5. Looking west towards the manmade gravel pit and towards the limits of the investigated area.



Photo 7. Looking southeast at the beginning of Drainage Swale 1 within the investigated area.



Photo 6. Looking south at the manmade gravel pit and the southern limit of the investigated area.



Photo 8. Looking northwest along Drainage Swale 1 within the investigated area.



Photo 9. Looking southeast towards Drainage Swale 1 within the investigated area.



Photo 11. Looking north from the area north of the access road within the aggregate plant.



Photo 10. Looking northwest from the end of Drainage Swale 1 within the investigated area.



Photo 12. Looking east from DP 1 located in the low-lying area north of the access road within the aggregate plant.



Photo 13. Looking at DP 1 located in the low-lying area north of the access road within the aggregate plant.



Photo 15. Looking south at the inlet of a culvert in the low-lying area noth of the access road within the aggregate plant.



Photo 14. Looking west from DP 1 located in the low-lying area north of the access road within the aggregate plant.



Photo 16. Looking north at the outlet of a culvert in the low-lying area noth of the access road within the aggregate plant.



Photo 17. Looking west along the north side of the access road within the aggregate plant.



Photo 19. Looking northeast along the north side of the access road within the aggregate plant.



Photo 18. Looking northeast along the north side of the access road within the aggregate plant.



Photo 20. Looking northeast along the south side of the access road within the aggregate plant.



Photo 21. Looking west within the investigated area, south of Epler Avenue.



Photo 23. Looking northeast along the boundary of the forested area south of Epler Avenue.



Photo 22. Looking south in the forested area south of Epler Avenue.



Photo 24. Looking south in the forested area south of Epler Avenue.



Photo 25. Looking west in the forested area south of Epler Avenue.



Photo 27. Looking west in the forested area south of Epler Avenue.



Photo 26. Looking east in the forested area south of Epler Avenue.



Photo 28. Looking east along the south side of Epler Avenue.



Photo 29. Looking west along the south side of Epler Avenue.



Photo 31. Looking north at the culvert at the beginning of Drainage Swale 2 south of Epler Avenue.



Photo 30. Looking west within the investigated area south of Epler Avenue.



Photo 32. Looking south along Drainage Swale 2 south of Epler Avenue.

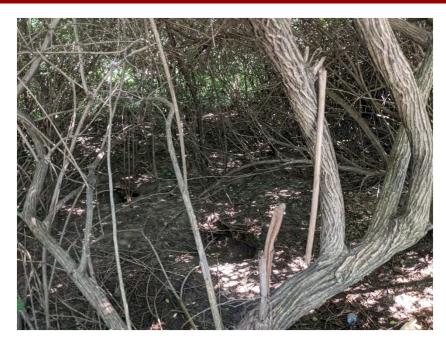


Photo 33. Looking west in the forested area north of Epler Avenue.



Photo 35. Looking west from the access drive north of Epler Avenue.



Photo 34. Looking east in the forested area north of Epler Avenue.



Photo 36. Looking east from the access drive north of Epler Avenue.



Photo 37. Looking east in the forested area north of Epler Avenue.



Photo 38. Looking west in the forested area north of Epler Avenue.

WETLAND DETERMINATION DATA FORM - Midwest Region

Section, Township, Ra	State: IN Sampling Point: DP 1 ange: Section 4 Township 4 N, Range 3 E
_Section, Township, Ra	ange: Section 4 Township 4 N, Range 3 E
 '	
Local relief (concave, convex, none): Concave
Long: <u>-86.200781</u>	Datum: WGS 1984
slopes, eroded (FoB2)	NWI classification: N/A
year? Yes X	No (If no, explain in Remarks.)
sturbed? Are "Normal (Circumstances" present? Yes X No
	xplain any answers in Remarks.)
រ sampling point lo	ocations, transects, important features, etc.
Is the Sampled A	ırea
within a Wetland	? Yes No X
od 0.01 mile south of Enl	ler Avenue. DP 1 is representative of the upland
d U.UT IIIIle Sount of Epi	er Avenue. Dr Tis representative of the upland
Dominant Indicator	T
Species? Status	Dominance Test worksheet:
	Number of Dominant Species That
	Are OBL, FACW, or FAC: 1 (A)
	Total Number of Dominant Species Across All Strata: 2 (B)
Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
	· ·
Yes FAC	Prevalence Index worksheet:
Yes FACU	Total % Cover of: Multiply by:
No FAC	OBL species 0 x 1 = 0
No FACW	FACW species 5 x 2 = 10
Fotal Cover	FAC species 61 x 3 = 183 FACU species 41 x 4 = 164
Otal Covel	UPL species 0 x 5 = 0
No FAC	Column Totals: 107 (A) 357 (B)
No FAC	Prevalence Index = B/A = 3.34
No FAC	
	Hydrophytic Vegetation Indicators:
	1 - Rapid Test for Hydrophytic Vegetation
	2 - Dominance Test is >50%
	3 - Prevalence Index is ≤3.0 ¹
	4 - Morphological Adaptations ¹ (Provide supporting
	data in Remarks or on a separate sheet)
Fotal Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
otai Covei	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
No FACU	·
110 11.00	Hydrophytic Vegetation
Total Cover	Present? Yes No X
	slopes, eroded (FoB2) year? Yes X sturbed? Are "Normal of ematic? (If needed, exit exit exit exit exit exit exit exit

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SOIL Sampling Point: DP 1

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stripped Matrix (S6) Hydrogen Sulfide (A4) Dark Surface (S7) Stratified Layers (A5) Loamy Mucky Mineral (F1) 2 cm Muck (A10) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Sandy Mucky Peat or Peat (S3) Redox Depressions (F8) Restrictive Layer (if observed): Type:	Texture Remarks Loamy/Clayey Prominent redox concentration 2Location: PL=Pore Lining, M=Matrix. 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.				
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stripped Matrix (S6) Hydrogen Sulfide (A4) Dark Surface (S7) Stratified Layers (A5) Loamy Mucky Mineral (F1) 2 cm Muck (A10) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Sandy Mucky Peat or Peat (S3) Redox Depressions (F8) Restrictive Layer (if observed): Type:	² Location: PL=Pore Lining, M=Matrix. 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) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present,				
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estrictive Layer (if observed): Type:	unless disturbed or problematic.				
Type:					
Depth (inches): Hy					
	ydric Soil Present? Yes No _				
YDROLOGY					
etland Hydrology Indicators:					
imary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two requ				
Surface Water (A1) Water-Stained Leaves (B9)	Surface Soil Cracks (B6)				
High Water Table (A2)Aquatic Fauna (B13)	X Drainage Patterns (B10)				
Saturation (A3)True Aquatic Plants (B14)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)				
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots	· · · —				
Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)				
Recent Iron Reduction in Tilled Soils (Co					
Thin Muck Surface (C7)	FAC-Neutral Test (D5)				
Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9)					
Other (Explain in Remarks)					
eld Observations:					
urface Water Present? Yes No X Depth (inches):					
/ater Table Present? Yes No X Depth (inches):					
aturation Present? Yes No X Depth (inches): V	Wetland Hydrology Present? Yes X No				
aturation Present? Yes No X Depth (inches): Vencludes capillary fringe)					
aturation Present? Yes No X Depth (inches): V					
aturation Present? Yes No X Depth (inches): Vincludes capillary fringe)					

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Appendix F – Section 106 Documentation



INDIANA DEPARTMENT OF NATURAL RESOURCES DIVISION OF HISTORIC PRESERVATION AND ARCHAEOLOGY 402 West Washington Street, Room W274

02 West Washington Street, Room W27-Indianapolis, Indiana 46204-2739 Telephone Number: (317) 232-1646 Fax Number: (317) 232-0693 E-mail: dhpa@dnr.IN.gov

Where applicable, the use of this form is recommended but not required by the Division of Historic Preservation and Archaeology (DHPA).

Name(s) of author(s) Stephen Hinks							August 10, 2021			
Project, Perry To	aeological Recor	County, Indiana				and W. E	pler Avenue Int	ersection, I-69		
Records check o	used to report on the re only	s check and Phase				on.		i.		
Name(s) of author(s) of	previous report							į.		
Title of previous report										
Date of previous report	Date of previous report (month, day, year)				mber			V.		
			PROJECT	OVERVIE	w					
EIS-19-01-F), Reand removed the changed to realight be generally par	Section 6 Contractions of Decision existing portion gn (or extend contrallel with the I-69 intersection of B	n (ROD), and Re of Belmont Ave mpared to the o Southbound (S	eevaluation Senue from Edgriginal design 6B) on-ramp f	tatement gewood I) Belmor rom Eple	ts #1-4, close Drive north to at Avenue fro er Avenue. T proximately (ed Belmont Epler Ave m Edgewo his realign	Avenue at Edgenue. The designed Avenue to I ment of Belmo	gewood Avenue gn has since Epler Avenue to nt Avenue will		
1801695	6	0644281								
Prepared for: (Compan INDOT	y / Institution / Agency)									
Name of contact Andrew Pangallo	0							J,		
5604 Fortune Ci	street, city, state, and ZI. rcle South, India	napolis, Indiana								
Telephone number E-mail address apangallo@indot.in.gov										
Name of principal inves Stephen Hinks										
	cal Services, Inc.							3/		
	street, city, state, and ZI Suite 1800, Cinc		5202							
Telephone number (513)651-3440		/ E-mail ad stephe	ddress en.hinks@aed	com.com				A.		
Signature of principal in	restigator (Required)	m				Date (month August 1		1		
		/	DPO IECT	LOCATIO	N					
						Civil township Perry Towns	Civil township Perry Township			
	1.3		Legal l	_ocation						
Grid alignment SW										
1/4	1/4	1/4	1	/4	Section	ň	Township	Range		
	NW	NE	5	SE	4		14N	3E		
	NE	NW		SE	4		14N	3E		

RECOMMENDATIONS
Records check (Check all that apply.) No archaeological investigation is recommended before the project is allowed to proceed because the records check has determined that the project area does not have the potential to contain archaeological resources. A Phase Ia archaeological reconnaissance is recommended. A cemetery development plan may be required under Indiana Code 14-21-1-26.5 because project ground disturbance will be within 100 feet of a cemetery.
Phase la archaeological reconnaissance (Check all that apply.) It is recommended that the project be allowed to proceed as planned because the Phase la archaeological reconnaissance has located no archaeological sites within the project area and/or previously recorded sites that were investigated warrant no additional investigation. It is recommended that Phase Ic archaeological subsurface reconnaissance be conducted before the project is allowed to proceed. The Phase Ia archaeological reconnaissance has determined that the project area includes landforms which have the potential to contain buried archaeological deposits.
Other recommendations / commitments
Pursuant to IC-14-21-1, if any archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, state law (Indiana Code 14-21-1-27 and 29) requires that the discovery must be reported to the Department of Natural Resources within two (2) business days. In that event, please call (317) 232-1646.
REQUIRED ATTACHMENTS
Figure showing project location within Indiana USGS topographic map showing the project area (1:24,000 scale) Aerial photograph showing the project area, land use and survey methods Photographs of the project area, including, if applicable, photographs documenting disturbances Project plans (if available)
Other attachments
References cited (See short report instructions for required references to be consulted.) A. C. Wagner Company 1931 Wagner's Map of Marion County, Ind. A. C. Wagner Company, Cincinnati, Ohio.
Baltz, Christopher J., Morgan Wampler, Marcia Vehling, Beth McCord, and Christina Kelly 2017 I-69 Tier 2 Studies, Evansville to Indianapolis, Phase Ia Archaeological Survey 2 for Section 6, Morgan, Johnson, and Marion Counties, Indiana, Des. No. 0300382. Submitted by Gray & Pape, Inc., Indianapolis, Indiana, to the Indiana Department of Transportation, Indianapolis, Indiana.
Bohn, Gustav 1889 Atlas of Indianapolis and Marion County, Indiana. Griffing, Gordon & Company, Philadelphia, Pennsylvania.
Carson, Catharine A. 2006 Archaeological Records Check: Proposed Earth Tech - DPW Interplant Connector in Indianapolis, Marion County, Indiana. Submitted by Landmark Archaeological and Environmental Services, Inc., Sheridan, Indiana, to Shrewsbery & Associates, LLC, Indianapolis, Indiana.
Condit, Wright & Hayden 1855 Map of Marion County, Indiana. Condit, Wright & Hayden, Indianapolis. Lithographed by Middleton, Wallace & Company, Cincinnati, Ohio.
Cree, Donald W. 1991 An Archaeological Database Enhancement Project: A Survey of Hamilton and Marion Counties, Indiana. Submitted by Archaeological Resources Management Service, Ball State University, Muncie, Indiana, to the Indiana Department of Natural Resources, Division of Historic Preservation and Archaeology, Indianapolis, Indiana.

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2017 Phase I Archaeological Report of Negative Findings for a Proposed 50-Foot Tall Overall Height Pole Structure, TCNS ID #157863. Submitted by Environmental Corporation of America, Alpharetta, Georgia, to Mobilitie, LLC, Newport

Gabler, Colette

Beach, California.



Division of Historic Preservation & Archaeology • 402 W. Washington Street, W274 • Indianapolis, IN 46204-2739 Phone 317-232-1646 • Fax 317-232-0693 • dhpa@dnr.IN.gov • www.IN.gov/dnr/historic



September 3, 2021

Andrew Pangallo Project Manager Indiana Department of Transportation 5604 Fortune Circle Couth Indianapolis, Indiana 46204

> Federal Agency: Indiana Department of Transportation ("INDOT"), on behalf of Federal Highway Administration ("FHWA")

Re: Indiana archaeological short report (Hinks, 08/10/2021) for the Belmont Extension of the I-69 Section 6 Project (Contract 5); Marion County, Indiana (Des. No. 1801695) (DHPA No. 28057)

Dear Mr. Pangallo:

Pursuant to Indiana Code 14-21-1, Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108), and 36 C.F.R. Part 800, and the I-69 Section 6 Memorandum of Agreement, the staff of the Indiana State Historic Preservation Officer ("Indiana SHPO" or "Indiana DNR-DHPA") has reviewed the above-indicated report, which, together with Anu V. Kumar's (INDOT-CRO) August 24, 2021, cover letter, we received on August 24, 2021. INDOT-CRO has asked us to comment by September 3, 2021.

In regard to archaeological resources, based on the submitted information and the documentation available to the staff of the Indiana SHPO, we have not identified any currently known archaeological resources listed in or eligible for inclusion in the National Register of Historic Places ("NRHP") within the portions of the proposed project area as indicated in the above-referenced archaeological report (Hinks, 08/10/2021); and we concur with the opinion of the archaeologist, as expressed in the report, that no further archaeological investigations appear necessary at the proposed project area.

If any prehistoric or historic archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, state law (Indiana Code 14-21-1-27 and Indiana Code 14-21-1-29) requires that the discovery be reported to the Indiana Department of Natural Resources, Division of Historic Preservation and Archaeology within two (2) business days. In that event, please call (317) 232-1646. Be advised that adherence to Indiana Code 14-21-1-27 and Indiana Code 14-21-1-29 does not obviate the need to adhere to applicable federal statutes and regulations, including but not limited to 36 C.F.R. Part 800.

In all future correspondence regarding the archaeological investigations related to the Belmont Extension of the I-69 Section 6 Project (Contract 5); Marion County, Indiana (Des. No. 1801695), please continue to refer to DHPA No. 28057.

Andrew Pangallo September 3, 2021 Page 2

The archaeological reviewer on the Indiana SHPO staff for this project is Wade T. Tharp. If you have questions about the status of our review, about what to submit, or about the review process, please contact the INDOT Cultural Resources staff member assigned to this project.

Very truly yours,

Beth K. McCord

Deputy State Historic Preservation Officer

had W. Shilm

BKM:WTT:wtt

emc: Michelle Allen, FHWA

Andrew Pangallo, INDOT Laura Hilden, INDOT Anuradha Kumar, INDOT

Shaun Miller, INDOT Matt Coon, Ph.D., INDOT Susan Branigin, INDOT

Susan Branigin, INDOT Patrick Carpenter, INDOT

Stephen Hinks, AECOM Technical Services, Inc.

Ryan Mueller, Deputy Director, Indiana DNR

Chad Slider, Indiana DNR-DHPA Wade T. Tharp, Indiana DNR-DHPA