FHWA-Indiana Environmental Document CATEGORICAL EXCLUSION / ENVIRONMENTAL ASSESSMENT FORM GENERAL PROJECT INFORMATION

Road No./County: State Route (SR) 13 and Strawtown Avenue/West 8th Street/ Hamilton and Madis							
Desig	nation Number(s):	2003082					
Project Descr	ct iption/Termini:	Hamilton and mile north on s	mprovement project at SR 13 and Strawtown Avenue/West 8 th Street, in Madison Counties, Indiana. The project will extend approximately 0.08 SR 13, 0.09 mile east on West 8th Street, 0.08 mile south on SR 13, west on Strawtown Avenue.				
X	Categorical Exclusion	, Level 2 – Req	uired Signatories:	INDOT DE and/or	NDOT ESD		
	Categorical Exclusion	, Level 3 – Req	uired Signatories:	INDOT ESD			
	Categorical Exclusion	, Level 4 – Req	uired Signatories:	INDOT ESD and F	HWA		
	Environmental Assess	sment (EA) - R	equired Signatorie	s: INDOT ESD and	FHWA		
	Additional Investigation (AI) – The proposed action included a design change from the original approved environmental document. Required Signatories must include the appropriate environmental approval authority						
Approval INDOT DE Signature and Date INDOT ESD Signature and Date							
	FHV	/A Signature and	Date				
Release for Public Involvement			INDOT DE Initials	01/10/2025 and Date	N/A INDOT ESD Initials and Date	,	
Certific	cation of Public Invol	vement	IND	OT Consultant Servic	es Signature and Date		
INDOT D	DE/ESD Reviewer Signature	e and Date:					

Chad Kelly, Kaskaskia Engineering Group, LLC

Name and Organization of CE/EA Preparer:

		ma	iana Bepai	anche or 1	ansportation	•		
County	Hamilton &	Madison	Route	SR 13		Des. No.	2003082	
			Part I – P	ublic Invo	olvement			
		ires some level of p						ne
	oes the projec	t have a historic bri	dge processed	under the Histo	ric Bridges PA*?	Yes	No X	
	Opportunity for	or a Public Hearing	Required?			X		
	aring is require O, and the AC	ed for all historic bri CHP.	idges processe	d under the His	toric Bridges Prog	rammatic Agr	eement between i	INDOT,
		rement activities (le meetings, newspa				nd residents (i.e. notice of entry	′),
the projec	t and that indi	were mailed to pote viduals responsible ded in Appendix G,	for land survey					
Adverse E input on F	Effect". A legal HWA's Section	0.2(d), 800.3(e), an advertisement was on 106 effect finding iis period. A copy of	s placed in the <u>l</u> . The comment	ndianapolis Sta period was for	<u>r,</u> a local publication 30 days following	on, on Novem	ber 13, 2024, solid n of the notice. No	citing public
six miles	south from the	eeting for the project e project site. Publ <u>t</u> (Fishers and Noble	lic notices for the	ne meeting were	e advertised in the	e Greenfield [Daily Reporter, the	e Anderson
Developm comments	ne <i>nt Public Inv</i> s and/or reque	the minimum requir volvement Procedu est a public hearing c involvement. This	res Manual wh . Therefore, a	ich requires the legal notice will	project sponsor to appear in a local	o offer the pu publication co	blic an opportunit entingent upon the	y to submit e release of
	lic controversy	sy on Enviror			mpacts, including	what is being	done during the p	project to
At this tim	e, there is no	substantial public c	controversy con	cerning impacts	s to the community	or to natural	resources.	
This is r	page 2 of 24	Project name:	SR 13, Inters	section Improve	ment	Date:	January 3, 202	25

Version: April 2021

Des. No. 2003082

SR 13

Route

County

Hamilton & Madison

Part II - Gener	al Project Iden	tification, D	escription, a	nd Design Info	ormation
Sponsor of the Project:	Indiana De	partment of Transp	ortation (INDOT)	INDOT District:	Greenfield
Local Name of the Facility	r: SR 13 and	Strawtown Avenue	/West 8 th Street		
Funding Source (I	mark all that apply):	Federal X	State X Local	Other*	
*If other is selecte	d, please identify the fur	nding source:			
PURPOSE AND NEED):				
The need should describe the goal or objective of the p					should describe
Per the September 16, 2 above average crash sevengineering safety model of crash frequency (ICF) is cost and crash frequency Indiana. ICF and ICC data and reported crashes at the an indication of crash sevend ICC exceed the three Additionally, increased mesecond delay during the quality of motor vehicle to the equal to ten seconds of vehicular delay at unsintersection's current LOS safety concern is not additionally. The purpose of the project ensure safe and sufficients	erity, particularly right-aing software) of 2017-20 at 4.17 (extremely above for this intersection to intain type of intersection. erity. A value of zero inchold of 1.00 set by INDO otorist delays at the sub PM peak hour for west affic service, is measure hicular delay for both usignalized intersections, a rating of B was measuressed.	ngle crashes, at the 19 crash data, the average) and the intersections with similar deviations. ICF is ICC is a measurement of the count travelers, the ed on a scale of A sunsignalized and signal greater than a greater than a greater than a greater than a greater, and the cential, improve the	e existing intersection most recent data availed avail	Per RoadHAT 3.0 and allable at the time of this c) is 2.68. These indices a classifications, and condifferences between the representation of the content of	alysis (INDOT traffic analysis, the index compare the crash trol type throughout number of expected eported costs and is expected. The ICF concern. and flow), with a 13 which measures the dicates less than or er than 50 seconds intersections. The g of C in 2046 if the
PROJECT DESCRIPT	ION (PREFERRED A	LTERNATIVE):			
County: Hamilton and	Madison	Municipality:	Greenfield		
Limits of Proposed Work:		SR 13, 0.09 mile ea		town Avenue, extending 0.08 mile south on SR	
Total Work Length:	0.34 Mile(s)		Total Work Area:	4.73 Acre(s)	
If yes, when did th Acceptability?		rmination of Engine		Yes¹ Date:	No X request for
Describe location of project i	ncluding township, rang	e, city, county, road	s, etc. Existing cond	itions should include cui	rrent conditions,
This is page 3 of 24	Project name: SR 1	3, Intersection Imp	ovement	Date: Janua	ry 3, 2025

County	Hamilton & Madison	Route	SR 13	Des. No.	2003082

current deficiencies, roadway description, surrounding features, etc. Preferred alternative should include the scope of work, anticipated impacts, and how the project will meet the Purpose and Need. Logical termini and independent utility also need discussed.

The INDOT and the Federal Highway Administration (FHWA) intend to proceed with this intersection improvement project.

The project is located at the intersection of SR 13 and Strawtown Avenue/West 8th Street in Sections 32 and 33, Township 20 North, Range 6 East, Whitewater Township in Hamilton County, Indiana, and Jackson Township in Madison County, Indiana (Appendix B, page 1).

SR 13 is a two-lane rural Minor Arterial and Strawtown Avenue/West 8th Street is a two-lane rural Local Collector. The existing SR 13 and Strawtown Avenue cross sections consist of one 12-foot lane in each direction with 1-foot paved shoulders. The intersection is currently a two-way stop-controlled intersection. The project is located in a rural area consisting of predominantly agricultural land. The northwest, southwest, and southeast quadrants of the intersection include agricultural land. The northeast quadrant on the intersection includes maintained open land associated with a further-adjacent residential dwelling. Per the September 16, 2020, Engineering Assessment Report, the intersection experiences elevated crash rates with a pattern of severe right-angle crashes. Crash data from 2017 to 2019 was analyzed at this intersection. During this time period, there were 22 crashes, of which, 15 were right angle crashes, three rear end crashes, two ran-off-road crashes, and two other crashes. Eight of these crashes resulted in injury, and of those, seven were incapacitating and one was non-incapacitating (Appendix I, page 8). The remaining 14 crashes resulted in property damage only. This resulted in the RoadHAT analysis and the aforementioned ICF value of 4.17 and ICC value of 2.68 in the purpose and need section.

The preferred alternative for this project will convert the existing intersection into a single lane roundabout. Proposed roadway elements include 12-foot travel lanes with a mix of open and curbed shoulders. A central concrete island and truck apron will be provided, as well as exterior truck aprons to facilitate turning movements. Additionally, drainage improvements will include installation of curb and gutter turnouts, a stormwater system, and new roadside ditches. A new 19-inch by 30-inch elliptical pipe will be installed under the access drive on the east side of SR 13, approximately 0.06 mile north of the intersection, replacing the existing 10-foot long, 15-inch-wide corrugated metal pipe (CMP). Overhead utilities and underground utilities will be relocated as part of this project. Overhead utilities exist on all four corners of the intersection. Intersection improvements will also include new lighting at the intersection. The project will require approximately 3.42 acres of permanent right-of-way (ROW). Anticipated impacts include ROW acquisition affecting terrestrial habitat. Since the project will disturb at least one acre of soil, a Construction Stormwater General Permit (CSGP) will be required. Every effort to avoid, minimize, and/or mitigate project impacts will be made. Preliminary project plans are included in Appendix B (pages 9 to 59).

The proposed maintenance of traffic (MOT) will occur in phases that include a full closure of SR 13, utilizing a state detour (Appendix B, pages 15 to 19). The MOT for the project is discussed in further detail in the MOT During Construction section of this document.

The project will reduce crash potential, improve the ICF and ICC to below 1.00, and provide a long-term solution to ensure safe and efficient operation of the intersection. This improves overall safety in the area and meets the purpose and need.

The construction limits extend from approximately 0.08 mile north on SR 13, 0.09 mile east on West 8th Street, 0.08 mile south on SR 13, and 0.11 mile west on Strawtown Avenue., which are the logical termini for the project since these are the rational end points of the transportation improvement and subsequent review of its environmental impacts. This project demonstrates independent utility because it will improve the intersection as an independent project and does not depend on any other planned projects.

OTHER ALTERNATIVES CONSIDERED:

Provide a header for each alternative. Describe all discarded alternatives, including the No Build Alternative. Explain why each discarded alternative was not selected. Make sure to state how each alternative meets or does not meet the Purpose and Need and why.

Realignment and Left Turn Lanes: An intersection realignment with 100-foot left turn lanes were considered. This alternative would allow turning traffic to be bypassed by through movement traffic through the intersection. This alternative improves safety by alleviating rear end crashes but does not improve safety for the right angle crashes; therefore, this alternative will not address the purpose and need. Therefore, this alternative was discarded from further consideration.

Realignment and Traffic Signal: A realignment of the intersection with the installation of a traffic signal was considered. This alternative will require dedicated left turn lanes at all approaches; however, the volumes at this intersection do not meet any of the traffic signal warrants from the Manual on Uniform Traffic Control Devices (MUTCD). This alternative is anticipated to reduce the total

This is page 4 of 24	Project name:	SR 13, Intersection Improvement	Date: January 3, 2025
----------------------	---------------	---------------------------------	-----------------------

County	Hamilton & Madiso	on	Route	SR 13		Des. No.	2003082
	out results in an incre						shes remains. This alternative
alternative rear end	e would add additiona	al stop signs, mal gle crashes due t	king the in to the des	ntersection a sign speeds	an all-way stop. T along SR 13. Th	his alternative wo	SR 13 was considered. This puld not improve safety for the not address the purpose and
concerns		f no action is take	en, the inte	ersection sa	afety issues will p		e does not address the safety I not address the purpose and
lt v lt v lt v lt v	ne No Build Alternat would not correct exist would not correct exist would not correct the would not correct exist would result in serious wher (Describe):	sting capacity def sting safety hazar existing roadway sting deteriorated	iciencies; ds; geometri condition	c deficienci s and main	es; tenance problems	s; or	(y) X
ROADW	AY CHARACTER:	:					
If the propos	ed action includes m	ultiple roadways,	complete	and duplica	ate for each road	way.	
Current A Design Ho	l Classification:		(2026) uck Percei gal Speed	ntage (%)	sign Year ADT: 14.5 55	4,605	(2046)
		Existing			Proposed		
Νι	umber of Lanes:		2		1100000	2	
	pe of Lanes:		hrough la	nes		ıgh lanes	
	avement Width:	12	ft.		12 ft.		
Sr	noulder Width:	1	ft.		Variable ft. up to 3		
Me	edian Width:	N/A	ft.		N/A ft.		
	dewalk Width:	N/A	ft.		N/A ft.		
	etting: ppography:	Urban X Level			Suburban Rolling	X Rura Hilly	I
Name of F	Roadway	Strawtown Ave	nue/Mest	8th Street			
	l Classification:	Local Collector		0 011001			
Current A	DT:	1,458	(2026)	De	sign Year ADT:	2,075	(2046)
	our Volume (DHV):			ntage (%)	3		
Designed	Speed (mph):	Leg	gal Speed	I (mph):	45		

Version: April 2021

Date: January 3, 2025

SR 13, Intersection Improvement

This is page 5 of 24

Project name:

County	y Hamilton & Madison	_ Route	SR 13		Des. No.	2003082
		Existing		Proposed		
	Number of Lanes:	2		2		
	Type of Lanes:	2 through la	anes	2 through	lanes	
	Pavement Width:	12 ft.	21100	12 ft.	101100	
-	Shoulder Width:	1 ft.		Variable ft.		
	Madian Width	N1/A #	<u> </u>	up to 3		
-	Median Width: Sidewalk Width:	N/A ft.	_	N/A ft.		
	Sidewalk Width:	N/A ft.	L	N/A ft.		
	Setting:	☐ Urban		ıburban	X Rural	
	Topography: X	Level		olling	Hilly	
	Topography.	Level		hillig	I IIIIy	
BBIBA	NEO AND/OD OMALL OT	DUOTUDE(O)				
BRIDG	SES AND/OR SMALL ST	RUCTURE(S):				
	osed action includes multipl			e for each bridge a	nd/or small struc	cture. Include both
existing a	nd proposed bridge(s) and/o	r small structure(s) in	this section.			
_						
Structu	re/NBI Number(s):			Sufficiency Ratin		
					(Ratino	g, Source of Information)
		Existing		Proposed		
	Bridge/Structure Type:	Existing	<u>_</u>	roposeu		\neg
	Number of Spans:					-
	Weight Restrictions:	ton		ton		
	Height Restrictions:	ft.		ft.		
	Curb to Curb Width:	ft.		ft.		
	Outside to Outside Width:	ft.		ft.		
	Shoulder Width:	ft.		ft.		
L	Shoulder Width.	ı.	<u> </u>	11.		
structure i	impacts and work involving l number, type, size (length ai he table exceeds a complete	nd dia.), location and	impacts to war	ter. Use a table if t	he number of sr	mall structures becomes
This pro	oject includes the replaceme ce on the east side of SR 13,	ent of one pipe. The p approximately 0.06 r pipe, approximately	ipe is adjacent nile north of th 7.08 feet long.	t to the northeast of e intersection. The No water resource	f the project area	a, under a farm access drive tructure will be replaced with ed with this pipe. Vegetation
MAIN	TENANCE OF TRAFFIC	(MOT) DURING CO	ONSTRUCTION	ON:		
L						
	Is a temporary bridge proports a temporary roadway pro Will the project involve the uprovisions will be made provisions will be made provisions will be made Will the proposed MOT sub	posed? use of a detour or req for access by local tra for through-traffic dep to accommodate any	affic and so po endent busine local special e	sted. esses. events or festivals.		Yes No X X X X X X X X X
	Is there substantial controve Will the project require a sic Provisions will be made	ersy associated with t ewalk, curb ramp, an	he proposed n d/or bicycle la	nethod for MOT? ne closure? (descr	ibe below)	X
This	is page 6 of 24 Project na	me: SR 13, Inte	rsection Impro	vement	Date:	January 3, 2025

	li li	ndiana Depar	tment of I	ransportatioi	n	
County	Hamilton & Madison	Route	SR 13		Des. No.	2003082
measures sh	tures and/or facilities (if any) th nould be quantified to the exter ny local concerns about acces	nt possible, particu	larly with respe	ect to properties su		
on SR 13 Phase 1 commuter and south the detou commuter duration of	for the project will require phase, and closure of Strawtown Avdetour includes Prairie Baptis r travel. Phase 2 of the MOT vallegs, as well as the installation rs of local roads from Phase r travel. Phase 3 MOT will be unforced to the project, and the project pr	renue/W 8 th Street t Road, CR 100 N will include a closu n of storm sewers, 1 and includes Sf used for final roads approximately 120 a a temporary inco	during construction Rouse of SR 13, difinal surface part 37, SR 38, away restoration days. MOT platentiers to some convenience to	ction of the west a ad, and College (uring construction wement markings, and SR 32 for traff and demobilizations are included in traveling motorists	and east legs Corner Road, of the center, and signage. fic on SR 13, n activities. TI Appendix B, s (including so	of the proposed roundabout adding nearly 13.3 miles of the roundabout and north Phase 2 detour will maintain adding nearly 19.1 miles one detours will remain for the pages 15 to 19.
ESTIMA	TED PROJECT COST ANI	D SCHEDULE:				
Engineeri	\$ (FY 1,052,749.0 ing: _2025)	0 Right-of-Way:	\$ (FY 2025)	350,000	Construct	ion: \$ 4,293,000 (FY 2026)
Anticipate	d Start Date of Construction:	Spring	g 2026			
RIGHT C	OF WAY:					
					nt (acres)	
	Land Use	Impacts		Permanent	Tempora	ary
	esidential			0	0	
	ommercial			0	0	
	gricultural orest			2.94 0	0	
	etlands			0	0	
	ther: Pasture			0.48	0	
	ther:			0	0	
Ot	ther:			0	0	
Ot	ther:			0	0	
			TOTAL	3.42	0.00	
existing and	th Permanent and Temporary I proposed) should also be dis pacts on the environmental and	cussed. Any advai	nce acquisition			
on Strawt	ng ROW varies from 12 feet to own Avenue and consists of m ude maintained vegetation as at the northwest, southwest, ar	owed grasses and sociated with past	l scrub shrub ty ture acreage a	pical of being adja the northeast qua	cent to a rural	roadway. Areas of proposed
land in the	ct requires approximately 3.42 e northwest, southwest, and so ROW acquisition. Proposed From 40 feet to 55 feet from central from the control of the control	southeast quadran ROW widths vary a	its, and pasture llong SR 13 froi	e in the northeast m 45 feet to 55 fee	quadrant. The trom centerli	e project will not require any ne and vary along Strawtowr
	pe of work or permanent or te strict Environmental Section w			the INDOT Enviro	onmental Serv	vices Division (ESD) and the
This is	page 7 of 24 Project name:	SR 13, Inters	ection Improve	ment	Date:	January 3, 2025

Version: April 2021

County Hamilton & Madison Route SR 13 Des. No. 2003082

Part III - Identification and Evaluation of Impacts of the Proposed Action

SECTION A - EARLY COORDINATION:

List the date(s) coordination was sent and all resource agencies that were contacted as a part of the development of this Environmental Study. Also, include the date of their response or indicate that no response was received.

Early coordination letters were sent on July 10, 2023, and November 10, 2023 (Appendix C, pages 1 to 2).

Agency	Date Sent	Response Date	<u>Appendix</u>
Federal Highway Administration (FHWA)	July 10, 2023	No response received	N/A
Indiana Geological and Water Survey (IGWS) (Automated Response)	July 10, 2023	July 10, 2023	Appendix C, pages 3 to 4
U.S. Department of Housing and Urban Development (HUD)	July 10, 2023	No response received	N/A
Natural Resources Conservation Service (NRCS)	July 10, 2023	July 17, 2023	Appendix C, page 7
Indiana Department of Environmental Management (IDEM) – Wetlands and Stormwater Programs	July 10, 2023	No response received	N/A
IDEM - Groundwater Section	July 10, 2023	July 25, 2023	Appendix C, pages 10 to 11
Indiana Department of Natural Resources, Division of Fish and Wildlife (IDNR-DFW)	July 10, 2023	August 9, 2023	Appendix C, pages 12 to 14
National Park Service (NPS)	July 10, 2023	No response received	N/A
INDOT Greenfield Environmental Section Manager (Supervisor)	July 10, 2023	No response received	N/A
INDOT Project Manager	July 10, 2023	No response received	N/A
U.S. Army Corps of Engineers (USACE)	July 10, 2023	No response received	N/A
Hamilton County Sheriff's Department	July 10, 2023	No response received	N/A
Hamilton County Council – District 3 Council Member	July 10, 2023	No response received	N/A
Hamilton County Commissioners - President	July 10, 2023	No response received	N/A
Hamilton County Highway Department	July 10, 2023	No response received	N/A
Hamilton County Surveyor	July 10, 2023	July 13, 2023	Appendix C, pages 5 to 6
Hamilton County Plan Commission Director – Floodplain Administrator	July 10, 2023	No response received	N/A
Madison County Sheriff's Department	July 10, 2023	No response received	N/A
Madison County Council – District 3 Council Member	July 10, 2023	No response received	N/A
Madison County Commissioners – North District	July 10, 2023	No response received	N/A
Madison County Highway Department – Highway Superintendent	July 10, 2023	No response received	N/A
Madison County Surveyor	July 10, 2023	No response received	N/A
City of Elwood - Mayor	July 10, 2023	No response received	N/A
City of Elwood City Council - President	July 10, 2023	No response received	N/A
City of Elwood Police Department - Chief	July 10, 2023	No response received	N/A

This is page 8 of 24 Project name: SR 13, Intersection Improvement Date: January 3, 2025

County	Hamilton & Madison	Route	SR 13	Des.	No. 2003082			
City of E	lwood Fire Department - Chief		July 10, 2023	No response	N/A			
City of E Commiss	lwood Street Department – Street sioner		July 10, 2023	received No response received	N/A			
Indianap Executiv	olis Metropolitan Planning Organiz e Director		July 10, 2023	No response received	N/A			
Director	olis Metropolitan Planning Organiz of Transportation Planning	ation –	July 10, 2023	No response received	N/A			
Superint			July 10, 2023	No response received	N/A			
	Lapel Community Schools		July 10, 2023	No response received	N/A			
Citizens	Water-Indianapolis		November 10, 2023	No response received	N/A			
All applica	ble recommendations are included	I in the Envir	onmental Commitr	ments section of this Cl	E document.			
SECTION	N B – ECOLOGICAL RESOUR	CES:						
				Presence	<u>Impacts</u>			
Streams, Rivers, Watercourses & Other Jurisdictional Features Federal Wild and Scenic Rivers State Natural, Scenic or Recreational Rivers Nationwide Rivers Inventory (NRI) listed Outstanding Rivers List for Indiana Navigable Waterways Total stream(s) in project area: Linear feet Linear feet Linear feet Total impacted stream(s): Linear feet Linear feet Linear feet Total impacted stream or rivers are listed on any federal state lists for Indiana. Include if features are subject to federal or state jurisdiction. Discuss measures to avoid, minimize, and itigate if impacts will occur.								
one strea watercour	m, river, watercourse, or other ju	urisdictional within or ac	feature within the	0.5-mile search radi	(RFI) report (Appendix E), there is us. There are no streams, rivers, nfirmed by the site visit on May 10,			
	al, Wild and Scenic Rivers; State or National Rivers Inventory wate				ding Rivers for Indiana; navigable a.			
	ived concurrence from INDOT Eco port was required for this project (
	ns, rivers, watercourses, or other jure anticipated.	risdictional f	eatures are within	or adjacent to the proj	ect area. Thus, no direct or indirect			
control sta					sturbance, excavation, and erosion n the Environmental Commitments			
This is r	page 9 of 24 Project name:	SR 13. Inter	section Improvement	ent	Date: January 3, 2025			

County	Hamilton & Madison	Route	SR 13	,	Des. No.	2003082	
0	pen Water Feature(s) Reservoirs Lakes Farm Ponds Retention/Detention Basin Storm Water Management Facilitie Other:	s		X X	Yes	SS NO X	
temporary) ı	open water feature(s) identified adja will occur to the features identified. In nize, and mitigate if impacts will occu	clude if feat					
within the	the desktop review, the aerial map 0.5-mile search radius. There are no on May 10, 2023, by KEG.						
	eived concurrence from INDOT Ecolor as required for this project (Appendix					rmits or Waters	of the US
that altho of SR 13 the Surve	y coordination response from the Hai ugh there are no regulated drains with and Strawtown Avenue. The survey eyor per IC 36-9-27-17. Hamilton Cou h Hamilton County. The proposed po	nin the proje or noted if th inty also red	ct limits, the Linco ne drain is to be u juires detention fo	In Smith Drain i sed as a propo r any additiona	s located 1,24 sed outlet, the I impervious a	5 feet west of the outlet must be area proposed i	ne intersection e approved by f the outlet will
No open anticipate	water features are within or adjacened.	t to the proj	ect area. Thus, no	direct or indir	ect impacts to	the open wate	er features are
				Prese		Impacts Yes No	
W	/etlands			X		X	
Total wet	land area:	Acre	e(s) Total wetla	nd area impac	ted:		Acre(s)
(If a deter	rmination has not been made for non	-isolated/iso	lated wetlands, fil	in the total we	tland area im	pacted above.)	
In	Vetlands (Mark all that apply) Wetland Determination Wetland Delineation USACE Isolated Waters Determination USACE Isolated Waters Determi	any wetlan nd explain): ljacent home	•	t practicable l	pecause suc	pproval Dates	
	Substantially increased project co Unique engineering, traffic, mainte Substantial adverse social, econo The project not meeting the identi	enance, or s mic, or envi		s, or			

Date: January 3, 2025

This is page 10 of 24 Project name: SR 13, Intersection Improvement

County	Hamilton & Madison	Route	SR 13		Des. No.	2003082	
will occur to	wetlands identified adjacent or the features identified. Include d mitigate if impacts will occur.						
	the desktop review, the aerial earch radius. There are no wet KEG.						
	ived concurrence from INDOT E t was required for this project (or Waters of the
No wetlar	ds were identified within or adja	acent to the proje	ct area. Thus,	no direct or indirect i	mpacts to v	vetlands are	anticipated.
	N responded on August 9, 2023 able recommendations are inclu						pages 12 to 14).
Τε	errestrial Habitat			Presence X	Impac Yes X	cts No	
Total terre	estrial habitat in project area:	4.00	Acre(s)	Total tree clearing	ng:	0.00	Acre(s)
or not impac	es of terrestrial habitat (i.e. fore ts will occur to habitat identified avoid, minimize, and mitigate if	. Include total te	rrestrial habitat				
are agricu ditch gras 4.00 acre post-cons project. A	a desktop review, a site visit or litural fields, shrubs, and trees, the species, including false rye goton to terrestrial habitat will be distruction to return the site as clowoidance alternatives would not the project. Mitigation is not and	ypical of a rural s grass (<i>Schedono</i> sturbed due to co se as possible to to be practical as	etting, surround rus arundinace Instruction of the pre-construction	ding the project area. us) and Kentucky blue single lane roundations. Tree	The domir luegrass (Pabout. Disturemoval is i	nant species i loa pratensis) rbed areas w not anticipate	include common Approximately Vill be re-seeded as part of this
	t-DFW responded on August 9, All applicable recommendation						
	otected Species ederally Listed Bats Information for Planning and C Section 7 informal consultation Section 7 formal consultation I	completed (IPa	C cannot be co	mpleted)	Yes		No
De	etermination Received for Lister	d Bats from USF\	WS: I	NE NLA	4A X] LAA [
Of	ther Species not included in I Additional federal species four State species (not bird) found	nd in project area			Yes] [No X
M	gratory Birds Known usage or presence of be State bird species based upon	, ,	h IDNR		Yes] [No X X

Date: January 3, 2025

This is page 11 of 24 Project name: SR 13, Intersection Improvement

County	Hamilton & I	<i>l</i> ladison	Route	SR 13	L	es. No.	2003082	
bat and north	hern long-eared	l bat impacts. Disc	cuss if other fe	derally listed sp	n 7 consultation and ecies were identified. s have been observed	If so, inclu	ude consultation th	
				mg.a.o.y ioa.		. a a a ,		
County Er response the followi (Pleurobe endanger concern K Wavyraye impacts to measures	ndangered, Thr letter dated Au ng mussel spec ma clava); state ed Northern Ri (idneyshell (<i>Pty</i> d Lampmussel o the state-liste are in place to	eatened and Rare gust 9, 2023 (Apperies have been reported endangered Rableffleshell (Epioblasis in Champsilis fasciol di mussels are not o minimize moveme	(ETR) Species and ix C, pages orted to occur is oitsfoot (<i>Theliama rangiana</i>); olaris); state specials. Because wanticipated as agent of sedime	s List have been 12 to 14), the Non the White River a cylindrical state special concern leverk is not propare a result of this ent into nearby	by KEG on May 1, 2 en checked. According Natural Heritage Prog er in the vicinity of the endangered State endangered State Purple Lilliput (<i>Toxola</i> posed in or near the project so long as appending endangered bat spec	ng to the ID ram's Data project site Sheepnose clecase (Vi sma lividus White Rive propriate e x C, page	DNR-DFW early control base has been chear state endangered (Plethobaus cyphy illosa lienosa); states); and state special er, significant or derosion and sedimed 12). An INDOT 0.5	ordination ecked and Clubshell (vus); state te special al concernetrimental ent control 5-mile bat
list was ge and north	enerated (Appe ern long-eared	ndix C, pages 15 to	o 26). The pro septentrionali	ject is within ra	anning and Consultat nge of the federally e al listed species were	ndangered	Indiana bat (Myot	is sodalis)
dated May (FTA), an project wa reviewed from USF lighting Av commitme	y 2016 (revised d USFWS. An as found to "Ma and verified the WS within the voidance and Ments in the Envi	February 2018), beffect determination of the effect of the effect finding on O 14-day review per linimization Measuronmental Committee.	etween the Flon key was copely to Adverse ctober 26, 202 riod; therefore res (AMMs) arments section	HWA, Federal Rempleted on October 19 Affect" the Int. 19 Affect and requested, it was concluded applicable to of this document.		n (FRA), Fe based on t NLEB (App f the finding the finding nd/or comm	ederal Transit Adm the responses pro- pendix C, page 27 g. No response was g. General constru nitments are includ	inistration vided, the). INDOT s received action and ed as firm
amended.		ation on endangere			uired under Section s available, or if proj			
Ge	Project located Karst features	Mineral Resource d within the Potenti identified within or loration/abandoned	al Karst Featu adjacent to th	e project area		Yes	No	
Da	ate Karst Study	/Report reviewed b	y INDOT EWF	PO (if applicable	9):			_
area (from R	FI). Discuss re	sponse received fr	om IGWS cod	rdination. Disc	if any karst features l uss if any mines, oil/g o any karst features.	as, or expl	loration/abandoned	
This is a	page 12 of 24	Project name:	SR 13 Inters	section Improve	ment	Date:	January 3, 2025	

	Indiana Department of Transportation						
County	Hamilton & Madison	Route	SR 13		Des. No.	2003082	
study/report b <u>y INDOT E</u>	was completed and results. WPO)	(Karst investigation	n must comply w	ith the current Kar	st MOU and	coordinated and reviewed	
outlined in the project project are (Appendix potential	the most current <i>Protection</i> tarea (Appendix B, page 3) ea. In the early coordination C, pages 3 to 4). IGWS	n of Karst Features of and the RFI report response on July 10 did indicate moder , and active or ab	during Project De (Appendix E), th 0, 2023, the IGW ate liquefaction andoned petrol	evelopment and C ere are no karst for S did not indicate potential, floodwa eum exploration	onstruction. eatures ident that karst fea ay, high pote	ated Indiana Karst Region as According to the topo map of ified within or adjacent to the tures exist in the project area intial bedrock resource, high onse from IGWS has been	
SECTIO	N C – OTHER RESOUR	CES					
Dı	rinking Water Resources Wellhead Protection Area(s Source Water Protection A Water Well(s) Urbanized Area Boundary Public Water System(s)	,		Presence X	Yes	Acts No X	
Check the ap	the project located in the St If Yes, is the FHWA/EPA S If Yes, is a Groundwater As opropriate boxes and discus responses and any mitigation	SA MOU Applicable ssessment Required s each topic below.	? ? Provide details	about impacts and		No X resource-specific	
This proje Aquifer, th Memoran	ect is located in Hamilton ar	nd Madison Countie	s, which neither the state of India	are located within	n the area of e FHWA/EPA	the St. Joseph Sole Source AINDOT Sole Source Aquifer sment is not needed, and no	
is located 10 to 11).	within a Source Water Asse	ssment area for a Punation letter was se	ublic Water Support to the PWSS	ly System (PWSS Citizens Water –) surface wat	ad area; however, the project ter intake (Appendix C, pages to n November 10, 2023. No	
	Water Well Record Databa wells are located near this p				vas accesse	d on November 10, 2023, by	
	on a desktop revi dot.maps.arcgis.com/apps/w project is not located in an	<u>rebappviewer/index.</u>		eaa704512923b7		unctional Class Viewer 12) by KEG on November 10,	
	a desktop review, a site vister systems were identified.				he project ar	rea (Appendix B, page 2), no	

Date: January 3, 2025

This is page 13 of 24 Project name: SR 13, Intersection Improvement

County	Hamilton & Ma	dison	Route	SR 13		Des. No.	2003082
					_		
FI	oodplains				Presence	<u>in</u> Yes	<u>npacts</u> No
		vithin a regulated f	loodplain		Х	X	
	Longitudinal enc		loodpidiii		X		1
	Transverse encre				Х	Х	1
		n floodplain within	1000' up/dow	nstream from p			X
If a	pplicable, indicate	the Floodplain Le	vel?			_	
Le	evel 1	Level 2	Level 3		Level 4 X	Level 5	
I Ise the IDN	IR Floodway Inforr	mation Portal to he	aln determine i	notential impac	ts Include floods	olain man in ar	ppendix. Discuss impacts
							Flood Plain Administrator
		tency with the loca					
				<u> </u>			
Based on	a desktop review	of The IDNR's Inc	diana Floodwa	ay Information F	Portal website (<u>htt</u>	<u>p://dnrmaps.d</u>	nr.in.gov/appsphp/fdms/) b
							mined from approved IDNI
							al Floodplain Administrato
							s also sent on July 10, 2023 project limits do not appea
							Category 4 per the currer
							downstream. The propose
							antially increase. As a resul
							substantial change in floo
						ergency servi	ce or emergency evacuatio
routes; th	erefore, it has bee	en determined that	this encroach	nment is not sub	ostantial.		
_					<u>Presence</u>		<u>Impacts</u>
Fa	armland	ام			V		es No
	Agricultural Land				X		<u>X</u>
	Prime Farmland	(per NRCS)					^
	Total Points (from	Section	Hamilton Co	ountv= 118			
	VII of CPA-106/AI		Madison Co				
		e CE Manual for guid		- · · · ·			
Discuss Avis	etina farmland reso	ources in the proje	ct area impac	ets that will occi	ur to farmland an	d mitigation a	nd minimization measures
considered.	sung tanniana rese	various in the project	ot area, impac	no trat wiii occi	ar to rarrillaria, arr	a mugation at	ia minimization measures
							a (Appendix B, page 2) th
							e farmland as defined by th
							ition with the NRCS resulte
							es 8 to 9). NRCS's threshol
							roject score is less than th
		is of prime, unique issed in this docum					roject. No alternatives other
lilaii lilos	e previously discu	33ca III tili3 docuii	ient wiii be int	vestigated with	out reevaluating if	inpacts to pilit	ic iaiiiiaiia.
This is	page 14 of 24 F	Project name:	SR 13 Interse	ection Improven	nent	Date:	January 3, 2025
11113 13	page it til 24 F	roject namet	or 10, interse	chon improven	HOIR	Date.	January J, 202J

County	Hamilton & Madison	Route	SR 13		Des. N	o. <u>2003082</u>	2
SECTIO	N D – CULTURAL RESOUR	CES					
М	Categorinor Projects PA	ry(ies) and Typ	oe(s)		INDOT Appro	oval Date(s)	N/A X
Ful	I 106 Effect Finding No Historic Properties Affected		lo Adverse I	Effect X	Adverse Eff	ect	
Elig	gible and/or Listed Resources NRHP Building/Site/District(s)		ırchaeology		NRHP Brid	ge(s)	
, ; ,	cumentation Prepared (mark al APE, Eligibility and Effect Detern 800.11 Documentation Historic Properties Report or Sho Archaeological Records Check a Archaeological Phase Ia Survey Archaeological Phase Ic Survey Other: Early Coordination Letter	nination ort Report and Assessmen Report	X X X X X X X X	November 7, 2 November 7, 2 November 8, 2 May 2, 2024 April 8, 2023	2024 De 2024 De 2023 Se	december 9, 202 ecember 9, 202 ecember 8, 202 ecember 8, 202 eptember 16, 2	24 24 23
	Memorandum of Agreement (MC	DA)		MOA Signatu	ıre Dates (List	all signatories))
Area of F and/or with	t falls under the MPPA, describe 106, use the headings provided. apers. Please indicate the publication work which must be completed a completed a completed a completed a complete thin view of the project. The APE ation with Consulting Parties: so to become consulting parties (The completion ation date, name at a later date, so that to 36 CFR 80 for archaeolog	of the Section of the paper of	ion 106 process per(s) and the congation from a MC APE for abovegull existing and principled on April 2	requires that a mment period of DA or avoidance ground resource roposed ROW (8, 2023, with a	Legal Notice be leadline. Include commitments sincluded pro Appendix D, p	pe published in de any further s. perties adjacent to age 12).
IDNR Div	ision of Historic Preservation (D become a consulting party (thos	HPA) is a desi	gnated cons	sulting party. The	e following is a		· · ·
• I	State Historic Preservation Off Darlene Likens, Commissioner, M John Richwine, Commissioner, M Olivia Pratt, Commissioner, Mads Mark Heirbrandt, Commissioner, Christine Altman, Commissioner, Steve Dillinger, Commissioner, H Jerrold Bridges, Regional Director Dave Benefiel, ACIP, Principal To Brittany Miller, Eastern Region Alex Brooks, Community Prese Mark Dollase, Vice President, Il Stephen T. Jackson, Madison Co David Heighway, Hamilton Count Richard E. Kreeger, President, M Hamilton County Historical Socie	Madison County Madison County Son County Hamilton County Hamilton County Mamilton County Mamilton County Mamilton County Mamilton County Mamilton County Mamilton County Material County Material County Madison County Madison County Madison County	ity hty lanner, Ando ctor, Indianalist, Indianarks	erson MPO a Landmarks aa Landmarks			
This is	page 15 of 24 Project name:	SR 13, Inter	section Impi	rovement	Da	ate: January	y 3, 2025

County Hamilton & Madison Route SR 13 Des. No. 2003082

- Scott Harless, Highway Superintendent, Madison County
- Bradley Davis, Highway Director, Hamilton County
- Absentee Shawnee Tribe of Oklahoma
- Delaware Tribe of Indians
- Eastern Shawnee Tribe of Oklahoma
- Forest County Potawatomi Community
- Miami Tribe of Indians of Oklahoma
- Peoria Tribe of Indians of Oklahoma
- Pokagon Band of Potawatomi Indians
- Shawnee Tribe

The following is a summary of the comments of the consulting parties following the distribution of the early coordination materials:

- May 1, 2023: An email from Brittany Miller, Director of Indiana Landmark's Eastern Regional Office, requested to be included as a consulting party to the project (Appendix D page 26).
- May 1, 2023: An email Alex Brooks, Community Preservation Specialist for Indiana Landmarks, request to be included as a representative for Tipton and Hamilton counties, along with Mark Dollase (Appendix D, page 27).
- May 1, 2023: An email from Ben Rhodd, Tribal Historic Preservation Officer (THPO) of Forest County Potawatomi Tribe (FCPT), stating there's a preliminary fining of "No Historic Properties" affected by the project with significance to the FCPT. The THPO also requested as standard caveat to proposed project that in the event an inadvertent discovery occurs at any phase of the project, work should cease immediately (Appendix D, pages 27 to 28)
- May 5, 2023: THPO of the Miami Tribe of Oklahoma, Diane Hunter, offered no objection to the project. The THPO requested
 immediate consultation if any human remains or Native American cultural items falling under the Native American Graves
 Protection and Repatriation Act (NAGPRA) or archaeological evidence is discovered during any phase of the project
 (Appendix D, page 29)
- May 30, 2023: The Historic Preservation Director of the Delaware Nation, Carissa Speck, requested that the tribe be alerted should any human remains and/or any Native American archaeological resources inadvertently be uncovered (Appendix D, page 30).
- May 30, 2023: A letter from SHPO stated that they were unaware of any additional consulting parties that should be invited to participate in the Section 106 process beyond those who already invited. If ROW is to be taken from a potentially historic property, owners of the property should be invited as soon as possible (Appendix D, pages 31 to 32).
- June 7, 2023: The Tribal Historic Preservation Specialist of the Shawnee Tribe, Erin Paden, accepted the consulting party status for the project and concurred that no known historic properties will be negatively impacted by the project (Appendix D, page 33).
- June 20, 2023: The Eastern Shawnee Tribe of Oklahoma THPO, Paul Barton, stated that the project proposes no adverse effect or endangerment to known sites of interest of the Eastern Shawnee Tribe of Oklahoma. Additionally, the THPO requested if the project inadvertently discovers an archaeological site or object(s) to contact the Eastern Shawnee Tribe of Oklahoma, as well as appropriate state agencies within 24 hours (Appendix D. page 34).

Historic Properties: Michael Baker International (MBI) prepared a *Historic Property Short Report (HPSR)* that determined there are no properties listed in the NRHP within the project's APE, and no resources were recommended eligible for listing in the NRHP for the purpose of this project. Two aboveground resources were identified in the report: MB-06; J. Zeller House at 9910 W 8th Street, and MB-07; Bukouricz House at 16528 Strawtown Avenue.

On November 8, 2023, the Historic Property Short Report (HPSR) was made available to the consulting parties via INDOT's online document portal INSCOPE (Appendix D, page 35). The following is a summary of the comments following the distribution of the HPSR:

- November 10, 2023: The Director of Indiana Landmarks, Brittany Miller, responded to the HPSR indicating no comments regarding the report (Appendix D, page 40).
- December 8, 2023: The SHPO responded to the letter stating that the APE appears to be of adequate size to encompass the geographic area in which direct and indirect effects of a project of this nature should occur. Additionally, the SHPO disagreed with the conclusions of the HPSR that there are no historic properties listed in or eligible for listing in the National Register of Historic Places within the APE for this project. SHPO stated that the Bukouricz House (MP-07) at 16528 Strawtown Avenue, may be eligible for the NRHP under Criterion C in the area of architecture. SHPO states that the 1928 house exhibits several exterior character-defining features of the Craftsman style, including the side-gabled roof with wide overhanging eaves supported by knee braces, the large, hipped roof dormer, and the full-width integrated front porch (Appendix D, pages 41 to 42).
- December 14, 2023: Delaware Nation responded, indicating no new concerns or questions regarding the project after a review of the HP report (Appendix D, page 42).

This is page 16 of 24 Project name: SR 13, Intersection Improvement Date: January 3, 2	2025
--	------

SR 13 County Hamilton & Madison Route Des. No. 2003082

- December 28, 2023: The Eastern Shawnee Tribe of Oklahoma THPO responded, reiterating that the project proposes no adverse effect or endangerment to known sites of interest to the Eastern Shawnee Tribe of Oklahoma (Appendix D. page 43).
- December 28, 2023: The FCPT THPO responded, stating a review of the site data and supplemental cultural history within our office, the tribe offers a finding of no historic properties affected of significance to the FCPT, and requests to remain as a consulting party for the project (Appendix D, page 44).

As a result of SHPO's disagreement of the project's HPSR finding regarding site MP-07 (Bukouricz House), an Effects Report (ER) was prepared by MBI, dated May 2024. The findings of the ER resulted in a No Adverse Effect for site MP-07 Bukouricz House (Appendix D, page 71).

On May 29, 2024, the Effect Report (ER) was made available to the consulting parties via INDOT online document portal INSCOPE (Appendix D, page 46). The following is a summary of the comments following the distribution of the ER:

- May 31, 2024: Community Preservation Specialist for Indiana Landmarks, Alex Brooks, responded indicating no objections to the project (Appendix D, page 53).
- June 28, 2024: SHPO responded in agreement that the project would not alter the characteristics of the Bukouricz House that qualify it for inclusion or eligibility for the National Register (Appendix D, page 54).
- July 25, 2024: The Tribal Historic Preservation Specialist of the Shawnee Tribe, Erin Paden, responded, concurring that no known historic properties will be negatively impacted by this project; however, there is still potential for the discovery of unknown resources. There are no issues or concerns at this time (Appendix D, page 55).

Archaeology: Staff for MBI conducted a Phase la records check, dated August 2023, and a field reconnaissance on June 1 through June 4, 2023. An Archaeology Phase la Reconnaissance Report (AR) was prepared, which identified one pre-contact archaeological site - 12H2009, through subsurface sampling, consisting of a single specimen of flaked stone debris, located within the southwest quadrant of the intersection of SR 13 and SR 128 (Appendix D. page 74). The site was found to lack significance and integrity, therefore, is unlikely to yield information important to the interpretation of Indiana prehistory and was recommended ineligibility for the NRHP. MBI recommended project clearance and no further archeological investigations necessary for the site.

The Phase 1a Archaeology Report was distributed to consulting parties on May 2, 2024. On September 17, 2024, the SHPO responded to the AR with concurrence of the finding that further archaeological investigation of site 12H2009 surveyed for the project are unlikely to produce additional important information and no further work in these areas is warranted (Appendix D, pages 56 to 57). Additionally, SHPO concurred that no further archaeological investigations appear necessary at areas of previously identified sites 12M0212 and 12-M0285 but must be avoided and should be clearly marked so they are not disrupted via ground-disturbing project activities. Lastly, SHPO noted that in the event any prehistoric or archaeological artifacts or human remains are uncovered during construction. demolition, or earthmoving activities, must be reported under state law within two (2) business days to IDNR-DHPA.

Documentation Finding: INDOT, acting on behalf of FHWA, issued a "No Adverse Effect" finding on November 4, 2024 (Appendix D, pages 1 to 2). SHPO concurred with the finding on December 9, 2024 (Appendix D, pages 76 and 77). No other consulting party comments were received.

Public Involvement: Pursuant to 36 CFR 800.2(d), 800.3(e), and 800.6(a)(4), the public was provided an opportunity to comment of FHWA's finding of "No Adverse Effect". A legal advertisement was placed in the Indianapolis Star, a local publication, soliciting public input on FHWA's Section 106 effect finding on November 13, 2024. Comments from the public will be accepted for 30 days following the publication of the notice. A copy of the public notice, affidavit of publication is included in Appendix D. The Cultural Resources section will be revised following the comment period.

This completes the Section 106 process and the responsibilities of the FHWA under Section 106 have been fulfilled.

Presence

Х

X

SECTION E - SECTION 4(f) RESOURCES/ SECTION 6(f) RESOURCES

Parks and Other Recreational Land

Publicly owned park Publicly owned recreation area Other (school, state/national forest, bikeway, etc.) Wildlife and Waterfowl Refuges

Yes No X X

This is page 17 of 24 Project name: SR 13, Intersection Improvement Date: January 3, 2025

County	Hamilton & Madison	Route	SR 13		Des. N	o. <u>20</u>	03082
Nationa State V State N Historic F	al Wildlife Refuge al Natural Landmark Vildlife Area Nature Preserve Properties gible and/or listed on the NRHP						
			aluations repared				
"De mii Individi	mmatic Section 4(f) nimis" Impact ual Section 4(f) ception included in 23 CFR 774.13						
must be inclu	grammatic Section 4(f) and "de minimi uded in the appendix and summarized dentified various exceptions to the req	l below. [Discuss prop	posed alterna	tives that satisfy the	e require	ments of Section 4(f).
funded tra	(f) of the U.S. Department of Transportation facilities unless there is not areas, wildlife/waterfowl refuges, and re considered Section 4(f) resources.	o feasible	and pruder	nt alternative.	The law applies to	significa	nt publicly owned parks,
potential 4	a desktop review, the aerial map of the 4(f) resources located within the 0.5 resources, there are no Section 4(f) resources.	nile searc	h radius. A	According to	additional research	and by t	he site visit on May 10,
Se	ection 6(f) Involvement				<u>Presence</u>		<u>Use</u>
	ection 6(f) Involvement ection 6(f) Property				Presence	Yes	Use No
Se Discuss Sec		sent. Discu	uss if any co				No
Discuss Secwill occur, dis	ection 6(f) Property tion 6(f) resources present or not pres	Act of 196	65 establish outdoor reci	onversion wo	uld occur as a resul	t of this p	project. If conversion und (LWCF), which was
Discuss Sec. will occur, dis The U.S. created to of lands p A review of in Madison	tion 6(f) Property tion 6(f) resources present or not presscuss the conversion approval. Land and Water Conservation Fund a preserve, develop, and assure access	Act of 196 sibility to our recreation	65 establish butdoor reci n use. vealed a tot	ned the Land reation resour	and Water Conserces. Section 6(f) of	vation Futhis Act	nroject. If conversion and (LWCF), which was prohibits the conversion d a total of 25 properties
Discuss Sec. will occur, dis The U.S. created to of lands p A review of in Madison	tion 6(f) Property tion 6(f) resources present or not presecuss the conversion approval. Land and Water Conservation Fund a preserve, develop, and assure accessurchased with LWCF monies to a non-of 6(f) properties on the INDOT ESD win County (Appendix I, pages 15 to 16).	Act of 196 sibility to our recreation	65 establish butdoor reci n use. vealed a tot	ned the Land reation resour	and Water Conserces. Section 6(f) of	vation Futhis Act	nroject. If conversion and (LWCF), which was prohibits the conversion d a total of 25 properties
Discuss Sec will occur, dis The U.S. created to of lands p A review of in Madison there will I	tion 6(f) Property tion 6(f) resources present or not presecuss the conversion approval. Land and Water Conservation Fund a preserve, develop, and assure accessurchased with LWCF monies to a non-of 6(f) properties on the INDOT ESD win County (Appendix I, pages 15 to 16).	Act of 196 sibility to our recreation	65 establish butdoor reci n use. vealed a tot	ned the Land reation resour	and Water Conserces. Section 6(f) of	vation Futhis Act	nroject. If conversion and (LWCF), which was prohibits the conversion d a total of 25 properties
Discuss Secwill occur, discuss Secwill occur, discuss Secwill occur, discuss Secwill occur, discuss of lands particular Areview of lands particular Madisor there will labeled SECTIOI	tion 6(f) Property tion 6(f) resources present or not pressures the conversion approval. Land and Water Conservation Fund a preserve, develop, and assure accessurchased with LWCF monies to a non of 6(f) properties on the INDOT ESD win County (Appendix I, pages 15 to 16). be no impact to 6(f) resources.	Act of 196 sibility to con- recreation vebsite revenues. None of the content of the content or more of the content	65 establish butdoor reci n use. realed a tot these prope	ned the Land reation resour al of 10 prope erties are loca	and Water Conserces. Section 6(f) of	vation Futhis Act	nroject. If conversion and (LWCF), which was prohibits the conversion d a total of 25 properties

County	Hamilton & Madison	Route	SR 13	Des. No)20	003082	
	If No, then: Is the project in the Trai Is a hot spot analysis re)?				
Lo	cation in STIP:			Fiscal Year (FY) 2024-202 MPO-32	28 Amer	ndment A2	24-
	ime of MPO (if applicable):			Madison County Council of (MCCOG)	f Gover	rnments	
	cation in TIP (if applicable):			MCCOG TIP FY 2022-202	26, Res	olution 17	
Le	vel of MSAT Analysis requi	red?					
Le	vel 1a X Level 1b	Level 2	Level 3	Level 4 Leve	15		
ocated. Indid		exempt from a confor	mity determin	attainment status of the coun ation. If the project is not exer evel.			
incorporat	ect is being added to the ed into the Statewide Trans page and listing will be provi	portation Improveme	ent Program (vement Program (TIP) throu STIP) by Amendment 24-MPC	ıgh Re:)-32 On	solution 1 ce approv	7 and will be ed, the INDOT
according air quality	to IDEM (https://www3.epa	.gov/airquality/greenl 40 CFR Part 93.126	oook/anayo ii and this proje	re currently maintenance are n.html). This project has been ect is not a project of air quality	identific	ed as bein	g exempt from
				under 23 CFR 771.117(c), or Toxics analysis is not require		t under the	Clean Air Act
		,					
SECTION	N G - NOISE						
No	vise					Yes	No
Is	a noise analysis required in	accordance with FH	WA regulation	ns and INDOT's traffic noise p	olicy?		X
Da	te Noise Analysis was appr	oved/technically suff	icient by IND(DT ESD:			
vere identifie	ed. If noise impacts were ide	entified, describe if al	batement is fe	describe the studies complet asible and reasonable and inc	clude a	statement	of likelihood.
	ct is a Type III project. In a	ccordance with 23 C	FR 772 and th	ne INDOT Traffic Noise Analys	is Proc	edure, this	action does
SECTION	N H – COMMUNITY IMP	ACTS					
020							
Wi Wi Wi	gional, Community & Nei Il the proposed action comp Il the proposed action resul Il the proposed action resul Il construction activities imp es the community have an	oly with the local/region t in substantial impact t in substantial impact act community even	onal developn ets to commur ets to local tax ts (festivals, fa	ity cohesion? base or property values?		Yes X	X X X
This is p	page 19 of 24 Project nar	me: SR 13, Inters	ection Improv	ement Da	te: <u>J</u> ։	anuary 3, 2	2025

		Indiana Depai	tment of Transp	oortation	
County	Hamilton & Madison	Route	SR 13	Des. No.	2003082
Do	If No, are steps being mades the project comply with				N/A
	the project complies with the dimpact community events				vill impact community
Madison (Comprehe built envir the local to	County 2035" (https://www.r ensive Plan were reviewed I onment contributes to the s	nadisoncounty.in.gov by KEG on Novembe afety of the communication	// files/ugd/33570c da er 13, 2023. The Plans ity. The project is not a	af99c6ff7ee4096a4ef0f3: have adopted a strategy inticipated to negatively	usive-Plan) and the "Forward 3c643fa3a.pdf) y to assist with ensuring the affect community cohesion, munity resources will not be
throughou special ev 2026. If th short-term	It the year, assuming annuated the year, assuming annuated the year of the year, as we have a second the year, as we have a second to the year.	al occurrences. Ninet d for Madison County the proposed const regarding construct	teen special events or y that occurred in 2024 ruction activities, the coion activities will be	festivals were noted for 4 between April and Oct ommute times to events published on the INDO	County and Madison County Hamilton County and twelve ober that may occur again in a may be impacted causing a DT social media pages and
communit		l occur due to increas			roject completion. Temporary -term negative impacts to the
Transition	22, Hamilton County adopt - <u>Plan-2022</u> . The Hamilton of T and FHWA standards.	ed the 2010 ADA Sta County ADA Self-Ev	andards for Accessible aluation and Transition	Design https://www.harn Plan includes Title II A	miltoncounty.in.gov/804/ADA- ADA and Title VI assurances
Elwood (n		ttps://www.heartland	mpo.org/ADATitleVI. T		essible Design for the City of Transition Plan includes Title
There is n	o existing ADA infrastructur	e within the project li	mits and no ADA infra	structure incorporated in	nto this project.
Public Facil	ities and Services				
how the impa	t public facilities and service acts have been minimized a es, educational facilities, pu trian and bicycle facilities.	nd what coordination	n has occurred. Some	examples of public facili	ties and services include
public fac	ilities within the 0.5-mile so by the site visit on May 10,	earch radius. There	are no public facilitie	s within or adjacent to	rt (Appendix E) there are two the project area, which was properties will be maintained
responsib		-	•		nses were received. It is the eeks prior to any construction

Date: January 3, 2025

This is page 20 of 24 Project name: SR 13, Intersection Improvement

County	Hamilton & Madison	Route	SR 13	Des. No.	2003082	
Du Do	nvironmental Justice (EJ) (uring the development of the pes the project require an EJ YES, then:	project were EJ iss			Yes	No X
II	Are any EJ populations k Will the project result in a	•	,	ts to EJ populations?		X

Indicate if EJ issues were identified during project development. If an EJ analysis was not required, discuss why. If an EJ analysis was required, describe how the EJ population was identified. Include if the project has a disproportionately high and adverse effect on EJ populations and explain your reasoning. If yes, describe actions to avoid, minimize and mitigate these effects.

Under FHWA Order 6640.23A, FHWA and the project sponsor, as a recipient of funding from FHWA, are responsible to ensure that their programs, policies, and activities do not have a disproportionately high and adverse effect on minority or low-income populations. Per the current INDOT Categorical Exclusion Manual, an EJ Analysis is required for any project that has two or more relocations or 0.5 acre of additional permanent ROW. The project will require 3.42 acres of permanent ROW. Therefore, an EJ Analysis is required.

Potential EJ impacts are detected by locating minority and low-income populations relative to a reference population to determine if populations of EJ concern exist and whether there could be disproportionately high and adverse impacts to them. The reference population may be a county, city or town and is called the community of comparison (COC). In this project, the COC is Hamilton County and Madison County. The community that overlaps the project area is called the affected community (AC). In this project, the AC-1 is Census Tract 1101.02, Hamilton County and the AC-2 is Census Tract 110, Madison County. An AC has a population of concern for EJ if the population is more than 50% minority or low-income or if the low-income or minority population is 125% of the COC. Data from the 2021 ACS 5-Year Estimates was obtained from the U.S. Census website (https://data.census.gov/cedsci/) on November 13, 2023, by KEG. The data collected for minority and low-income populations within the AC are summarized in the below table.

Table: Minority and Low-Income Data (2021: US Census Bureau, ACS 5-Year Estimates)

rabio. Willionty and Low moonlo Bata (2021: 00 Conodo Baroad, 7000 o Toai Edimatoo)						
	COC – Hamilton County	AC-1 – Census Tract 1101.02,				
		Hamilton County				
Percent Minority	18	8				
125% of COC	22	AC < 125% COC				
EJ Population of Concern		No				
Percent Low-Income	4	1				
125% of COC	5	AC < 125% COC				
EJ Population of Concern		No				

	COC – Madison County	AC-2 – Census Tract 110,
		Madison County
Percent Minority	16	5
125% of COC	20	AC < 125% COC
EJ Population of Concern		No
Percent Low-Income	15	3
125% of COC	19	AC < 125% COC
EJ Population of Concern		No

AC-1, Census Tract 1101.02, Hamilton County has a percent minority of 8% which is below 50% and is below the 125% COC threshold. AC-2, Census Tract 110, Madison County has a percent minority of 5% which is below 50% and is below the 125% COC threshold. Therefore, both AC's do not contain minority populations of EJ concern.

AC-1, Census Tract 1101.02, Hamilton County has a percent low-income of 1% which is below 50% and is equal to the 125% COC threshold; however, since this is less than 1% after rounding, the result is considered negligible. AC-2, Census Tract 110, Madison County has a percent low-income of 3% which is below 50% and is below the 125% COC threshold. Therefore, both AC's do not contain low-income populations of EJ concern.

The census data sheets, map, and calculations can be found in Appendix I, pages 17 to 24. The project will result in positive impacts to all populations within the project area in the form of improved traffic flow and connectivity. No further environmental justice analysis is warranted.

This is page 21 of 24	Project name:	SR 13, Intersection Improvement	Date:	January 3, 2025

County	Hamilton & Madison	Route	SR 13		Des. No.	2003082	
V	Relocation of People, Bu Vill the proposed action re s a BIS or CSRS required	sult in the relocation of	people, businesse			Yes	No X X
١	lumber of relocations:	Residences:	Businesses:	Farms:		Other:	
Discuss an	y relocations that will occu	ır due to the project. If a	BIS or CSRS is r	equired, discuss t	he results ir	the discussion	on below.
No reloc	ations of people, business	ses, or farms will take pl	ace as a result of	this project.			
SECTIO	ON I – HAZARDOUS M	ATERIALS & REGU	LATED SUBST	ANCES			
					Document	ation_	
F F F	lazardous Materials & R Red Flag Investigation (RF Phase I Environmental Site Phase II Environmental Site Design/Specifications for F	i) e Assessment (Phase I e Assessment (Phase I	ESA)	/)	X		
	Date RFI concurrence by I	NDOT SAM (if applicab	le): June 8, 202	23			
dii do	clude a summary of the porectly adjacent to, or ones ocumentation (special proving mmitments.	that could impact the p	roject area. Refer	to current INDOT	SAM guida	nce. If additi	onal
their con within 0.5 hazmat	n a review of GIS and avalurence on June 8, 2025 mile of the project area. sites identified will impact at this time.	3 (Appendix E). One N KEG reviewed the GIS	ational Pollutant [again on Decembe	Discharge Elimina er 5, 2024, and no	tion System additional s	n (NPDES) fa sites were four	cility is located nd. None of the

Version: April 2021

Date: January 3, 2025

This is page 22 of 24 Project name: SR 13, Intersection Improvement

County Hamilton 8	Madison Ro	oute SI	R 13	Des. No.	2003082
-------------------	------------	---------	------	----------	---------

	<u>Part IV – Permits au</u>	nd Commitments
	PERMITS CHECKLIST	
	Permits (mark all that apply)	ly Required
	Army Corps of Engineers (404/Section10 Permit) Nationwide Permit (NWP) Regional General Permit (RGP) Individual Permit (IP) Other IN Department of Environmental Management	
	(401/Rule 5) Nationwide Permit (NWP) Regional General Permit (RGP) Individual Permit (IP) Isolated Wetlands Rule 5 Other	X
	IN Department of Natural Resources Construction in a Floodway Navigable Waterway Permit Other	
	Mitigation Required US Coast Guard Section 9 Bridge Permit Others (Please discuss in the discussion below)	
L	Per coordination with INDOT EWPO on October 6, 2023, and IND General Permit (CSGP), Formerly Rule 5, is anticipated for this project and CIF permit since the work within the base floodplain elever (MOU).	OT Stormwater on December 6, 2023, a Construction Stormwater ect due to at least one acre of soil disturbance. This project will not
	Applicable recommendations provided by resource agencies are inclif permits are found to be necessary, the conditions of the permits recommendations.	

This is page 23 of 24 Project name: SR 13, Intersection Improvement Date: January 3, 2025

It is the responsibility of the project sponsor to identify and obtain all required permits.

County Hamilton & Madison Route SR 13 Des. No. 2003082
--

ENVIRONMENTAL COMMITMENTS

List all commitments and include the name of agency/organization requesting/requiring the commitment(s). Listed commitments should be numbered.

Firm:

- If the scope of work or permanent or temporary ROW amounts change, the INDOT Environmental Services Division (ESD)
 and the INDOT District Environmental Section will be contacted immediately. (INDOT ESD and INDOT Greenfield District)
- 2. It is the responsibility of the project sponsor to notify school corporations and emergency services at least two weeks prior to any construction that would block or limit access. (INDOT ESD)
- 3. Announcements regarding construction activities will be published on the INDOT social media pages and coordination with the community will occur to minimize disruption to the extent possible. (INDOT ESD)
- 4. Any work in a wetland area within right-of-way or in borrow/waste areas is prohibited unless specifically allowed in the U.S. Army Corps of Engineers permit. (INDOT ESD)
- 5. Lighting AMM 1: Direct temporary lighting away from suitable habitat during the active season. (USFWS)
- 6. Lighting AMM 2: 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 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)
- General AMM 1: 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)
- 8. If the project plans to use the Lincoln Smith Drain as a stormwater outlet, Hamilton County Surveyor must approve per IC 36-9-27-27. Additionally, Hamilton County requires detention for any additional impervious areas proposed if the outlet will fall within Hamilton County. (Hamilton County Surveyor).
- 9. The portions of archaeological sites 12-M-0212 and 12-M-0285 that are mapped outside the proposed project area must either be avoided or subject to further archaeological investigations. Additionally, those areas of the site should be clearly marked as "Environmental Sensitive Area, Do Not Disturb". (IN SHPO)

Further Consideration:

- 10. The international Dark-Sky Association has developed recommendations (https://www.darksky.org/our-work/lighting/lighting-for-citizens/led-guide/) for communities choosing LED lighting systems that will aid in the selection of lighting that is energy and cost efficient, yet ensures safety and security, protects wildlife, and promotes the goal of reducing light pollution:
 - Always choose fully shielded fixtures that emit no light upward.
 - Use "warm-white" or filtered LEDs (CCT < 3,000 K; S/P ratio < 1.2) to minimize harmful blue light emission.
 - Look for products with adaptive controls like dimmers, timers, and motion sensors.
 - Consider dimming or turning off lights during non-peak overnight hours.
 - Avoid the temptation to over-light because of the higher luminous efficiency of LEDs.
 - Only light the exact space and in the amount required for particular tasks. (IDNR-DFW)
- 11. The use of sealants that are free of petroleum and coal tar based products is encouraged whenever possible. Where possible, road runoff should be directed to riprap turnouts and sediment filtration prior to entering a stream to reduce impacts to aquatic species. We recommend the use of pollutant trapping technology such as storm drain inserts to reduce the runoff of roadside pollutants. (IDNR-DFW)
- 12. The Division of Fish and Wildlife recommends considering a more sustainable approach to stormwater management. A more sustainable approach should aim to rebuild the natural water cycle by using storage techniques (retention basins, constructed wetlands, raingardens, etc.) and recharging groundwater using infiltration techniques (infiltration basins or trenches, pervious pavement, etc.). (IDNR-DFW)

This is page 24 of 24 Project na	me: SR 13, Intersection Improvement	Date: January 3, 2025
----------------------------------	-------------------------------------	-----------------------

Categorical Exclusion Level 2 SR 13 and Strawtown Avenue/West 8th Street DES 2003082, Intersection Improvement Hamilton & Madison Counties, Indiana

APPENDICES

<u>Title</u>	<u>Page</u>
A: INDOT Supporting Documentation	
INDOT Threshold Table	A-1
B: Graphics	
Project Site Location Map	B-1
Project Aerial Map	
Project Topographic Map	
Project Photo Log	B-4
Preliminary Project Plans	
C: Early Coordination	
Early Coordination Sample Letter	
Indiana Geological and Water Survey Report	
Hamilton County Surveyor	
Natural Resources Conservation Service	
AD 1006 Forms	
IDEM Wellhead Proximity Response	
Indiana Department of Natural Resources, Division of Fish and Wildlife	
USFWS Official IPaC Species List	
USFWS Concurrence Letter	
D: Section 106 of the NHPA	
Effect Finding/800.11 Document	
Effect Finding Notice Affidavit	
SHPO Effect Finding Concurrence	D-76
E: Red Flag and Hazardous Materials	
Red Flag Investigation	E-1
F: Water Resources	
No WOUS Concurrence	
IDNR Floodplain Map	F-3
G: Public Involvement	_
Notice of Survey Sample Letter	G-1
Public Information Meeting Sign-In Sheet	G-2
Public Information Meeting Project Face Sheet	
Public Information Meeting Public Notices	
Current (Fishers and Noblesville) Affidavit	
Legal Notice Proof	G-6
Greenfield Daily Reporter Affidavit	
Anderson Herald Affidavit	G-10

H: Air Quality	
FHWA and FTA Indiana FY2024-2028 STIP Approval Letters	H-1
MCCOG TIP FY 2022-2026 Resolution 17 Listing	H-5
l: Additional Information	
Engineering Assessment Report	I-1
Hamilton County LWCF Sites	
Madison County LWCF Sites	
EJ Analysis – ÚS Census Data Sheets, Maps, Calculations	

APPENDIX A

INDOT Supporting Documents

Categorical Exclusion Level Thresholds

	PCE	Level 1	Level 2	Level 3	Level 4 ¹
Section 106	Falls within guidelines of Minor Projects PA	"No Historic Properties Affected"	"No Adverse Effect"	-	"Adverse Effect" Or Historic Bridge involvement ²
Stream Impacts ³	No construction in waterways or water bodies	< 300 linear feet of stream impacts	≥ 300 linear feet of stream impacts	-	USACE Individual 404 Permit ⁴
Wetland Impacts ³	No adverse impacts to wetlands	< 0.1 acre	-	< 1.0 acre	≥ 1.0 acre
Right-of-way ⁵	Property acquisition for preservation only or none	< 0.5 acre	≥ 0.5 acre	-	-
Relocations ⁶	None	-	-	< 5	≥ 5
Threatened/Endangered Species (Species Specific Programmatic for Indiana bat & northern long eared bat)*	"No Effect", "Not likely to Adversely Affect" (With select AMMs ⁷)	"Not likely to Adversely Affect" (With any AMMs or commitments)	-	"Likely to Adversely Affect"	Project does not fall under Species Specific Programmatic ⁸
Threatened/Endangered Species (Any other species)*	Falls within guidelines of USFWS 2013 Interim Policy or "No Effect"	"Not likely to Adversely Affect"	-	-	"Likely to Adversely Affect"
Environmental Justice	No disproportionately high and adverse impacts	-	-	-	Potential ⁹
Sole Source Aquifer	No Detailed Groundwater Assessment	-	-	-	Detailed Groundwater Assessment
Floodplain	No Substantial Impacts	-	-	-	Substantial Impacts
Section 4(f) Impacts	None	-	-	-	Any ¹⁰
Section 6(f) Impacts	None	-	-	-	Any
Permanent Traffic Alteration	None	-	-	-	Any
Noise Analysis Required	No	-	-	-	Yes
Air Quality Analysis Required	No	-	-	-	Yes ¹¹
Approval Level District Env. (DE) Env. Serv. Div. (ESD) FHWA	Concurrence by DE or ESD	DE or ESD	DE or ESD	DE and/or ESD	DE and/or ESD; and FHWA

Coordinate with INDOT Environmental Services Division. INDOT will then coordinate with the appropriate FHWA Environmental Specialist.

² Any involvement with a bridge processed under the Historic Bridge Programmatic Agreement.

³ Total permanent impacts to streams (linear feet) and wetlands (acres).

⁴US Army Corps of Engineers Individual 404 Permit

⁵ Total permanent and temporary right-of-way. This does not include reacquisition of existing apparent right-of-way.

⁶ If any relocations are within an area with a known or suspected Environmental Justice (EJ) or disadvantaged population, or has greater than 5 relocations, a conversation with FHWA, through INDOT ESD, is needed to confirm NEPA classification and outreach plan for the project.

⁷ Avoidance and Mitigation Measures (AMMs) determined by the IPAC determination key to be required that are not tree AMMs, bridge AMMs, or structure AMMs.

⁸ Projects that do not fall under a Species Specific Programmatic and results in a "Likely to Adversely Affect". Other findings can be processed as a lower-level CE.

⁹ Potential for causing a disproportionately high and adverse impact.

¹⁰ Section 4(f) use resulting in an Individual, Programmatic, or *de minimis* evaluation. The only exception is a *de minimis* evaluation for historic properties (Effective January 2, 2020). If a historic property *de minimis* and no other use, mark the *None* column.

¹¹ Hot Spot Analysis and/or MSAT Quantitative Emission Analysis.

^{*} Includes the threatened/endangered species critical habitat

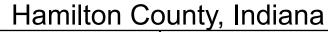
Note: Substantial public or agency controversy may require a higher-level NEPA document.

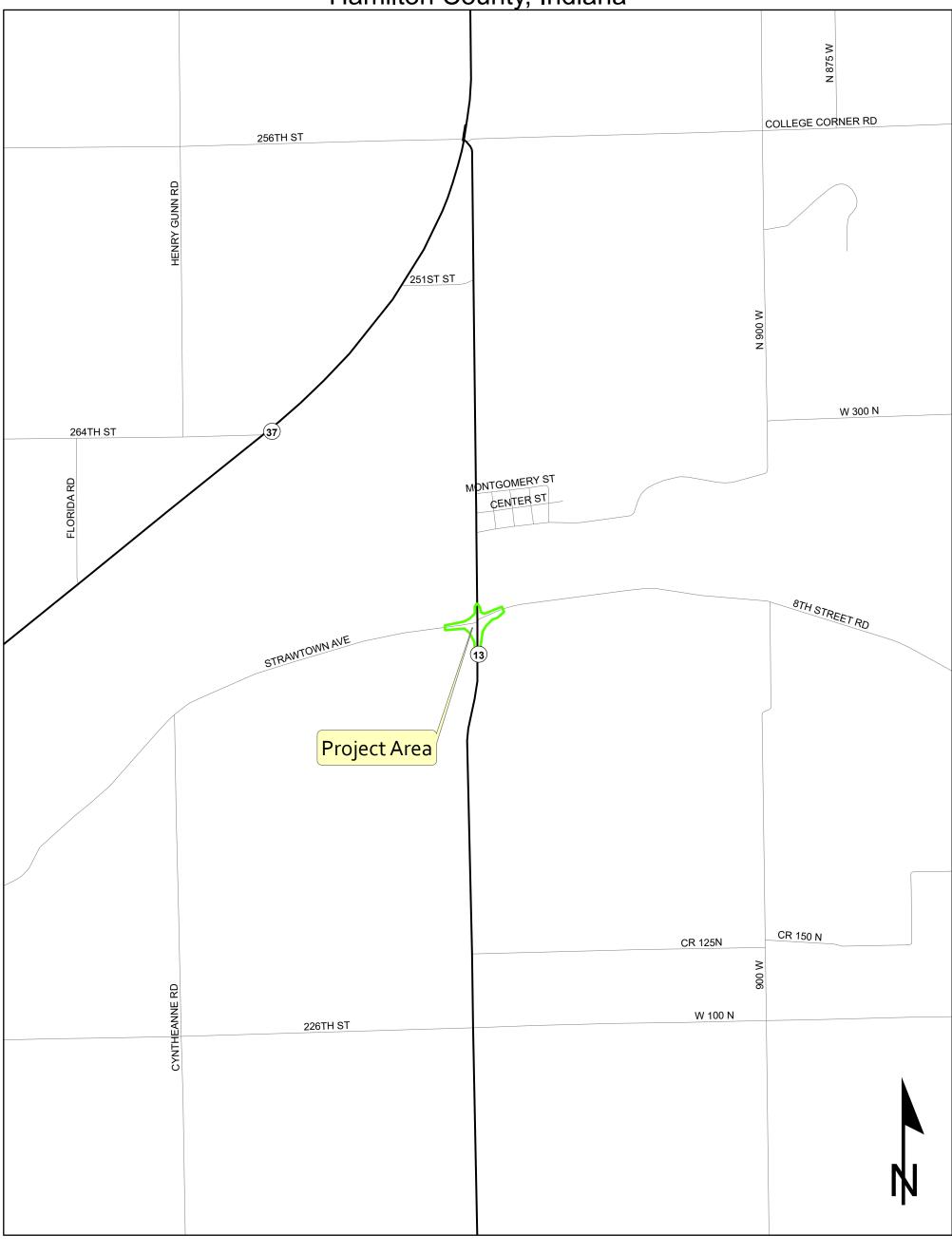
APPENDIX B

Graphics

Site Location Map SR 13 at Strawtown Road

Des. No. 2003082, Intersection Improvement, Roundabout





Sources:

Non Orthophotography

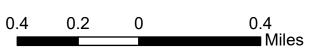
<u>Data</u> - Obtained from the State of Indiana Geographical

Information Office Library

Orthophotography - Obtained from Indiana Map Framework Data

(www.indianamap.org)

Map Projection: UTM Zone 16 N Map Datum: NAD83

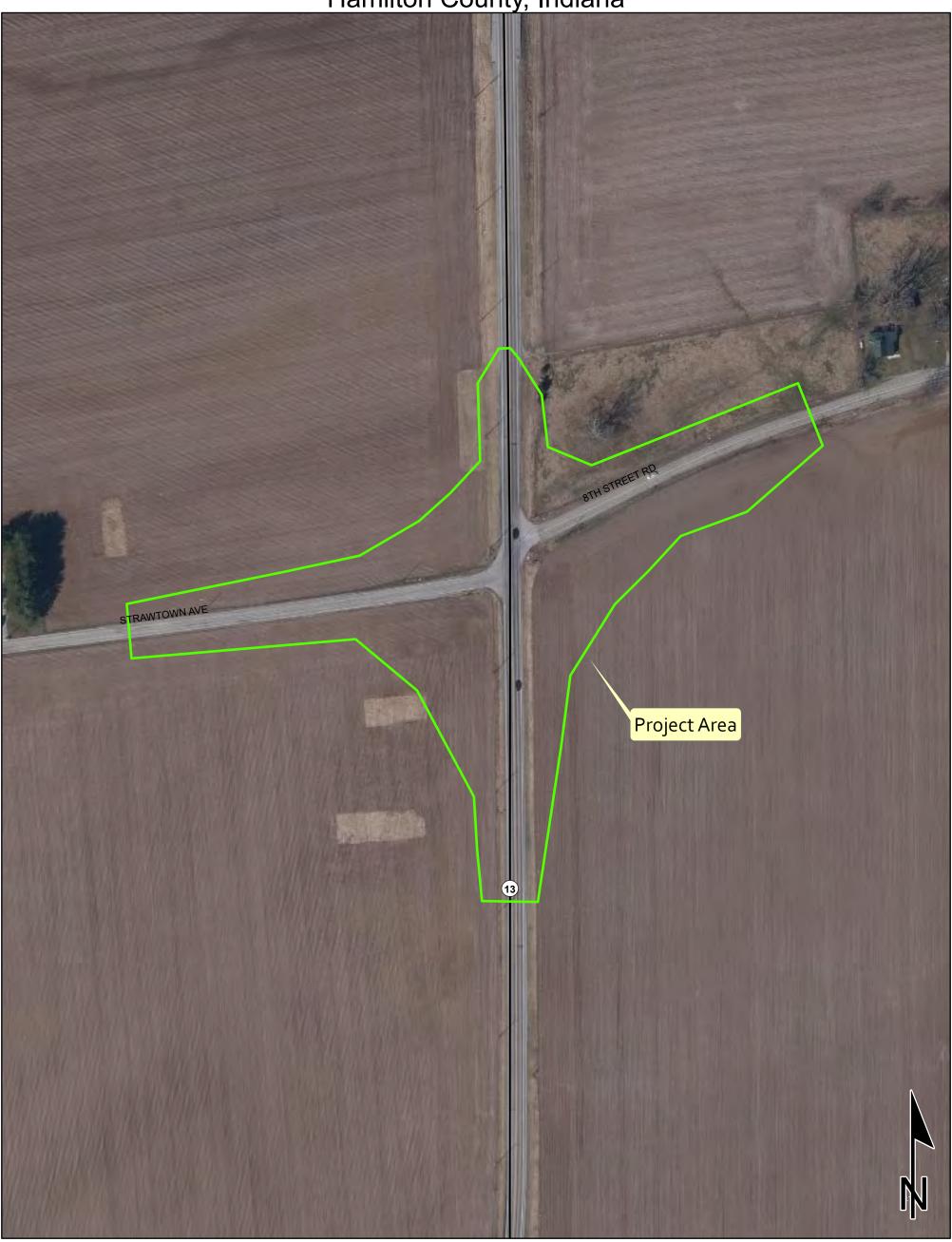


This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

Aerial Map SR 13 at Strawtown Road

Des. No. 2003082, Intersection Improvement, Roundabout

Hamilton County, Indiana



Sources:

Non Orthophotography

<u>Data</u> - Obtained from the State of Indiana Geographical

Information Office Library

<u>Orthophotography</u> - Obtained from Indiana Map Framework Data

(www.indianamap.org)

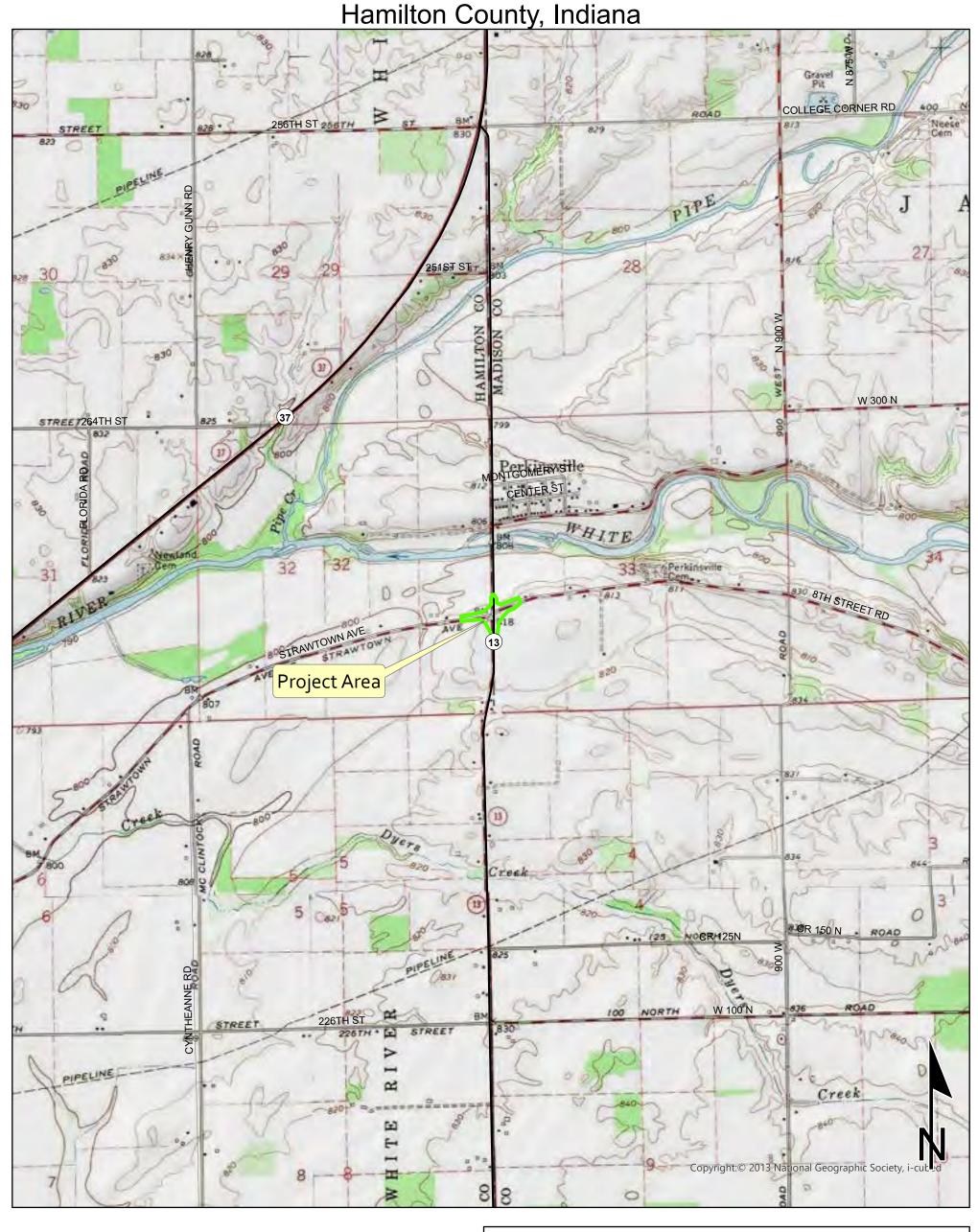
Map Projection: UTM Zone 16 N Map Datum: NAD83

0.03 0.01 0.03 Miles

This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

Topographic Map SR 13 at Strawtown Road

Des. No. 2003082, Intersection Improvement, Roundabout



Sources: 0.4 0.2 0 0.4 Miles

<u>Data</u> - Obtained from the State of Indiana Geographical

Information Office Library

<u>Orthophotography</u> - Obtained from Indiana Map Framework Data (www.indianamap.org)

Map Projection: UTM Zone 16 N Map Datum: NAD83

This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

FRANKTON
QUADRANGLE
INDIANA
7.5 MINUTE SERIES
(TOPOGRAPHIC)



1. Looking W towards SR 13 and Strawtown Rd intersection.

2. Looking W on Strawtown Rd.



3. Looking W on Strawtown Rd.

4. Looking W on Strawtown Rd towards SR 13 intersection.



5. Looking W on SR 13.

6. Looking W across SR 13 towards Strawtown Rd intersection.



7. Looking S on SR 13 towards Strawtown Rd intersection.

8. Looking S on SR 13 towards Strawtown Rd intersection.



9. Looking S on SR 13.

10. Looking S on SR 13 towards Strawtown Rd intersection.



11. Looking NW towards intersection.

12. Looking N on SR 13 towards intersection.



13. Looking N on SR 13.



14. Looking E on Stawtown Rd.



15. Looking E on Strawtown towards SR 13 intersection.



16. Looking E on Strawtown Rd towards SR 13 intersection.

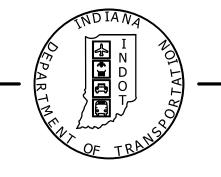
Photo Log Des No. 2003082 SR 13 at Strawtown Road, Intersection Project Photos Taken: 5/10/2023



PROJECT	DESIGNATION
2003082	2003082
CONTRACT	BRIDGE FILE
R-44024	N/A

	KIN PROJECT INFORMATION
DES. NO.	DESCRIPTION
2003081	SR 13 AND SR 128

INDIANA DEPARTMENT OF TRANSPORTATION



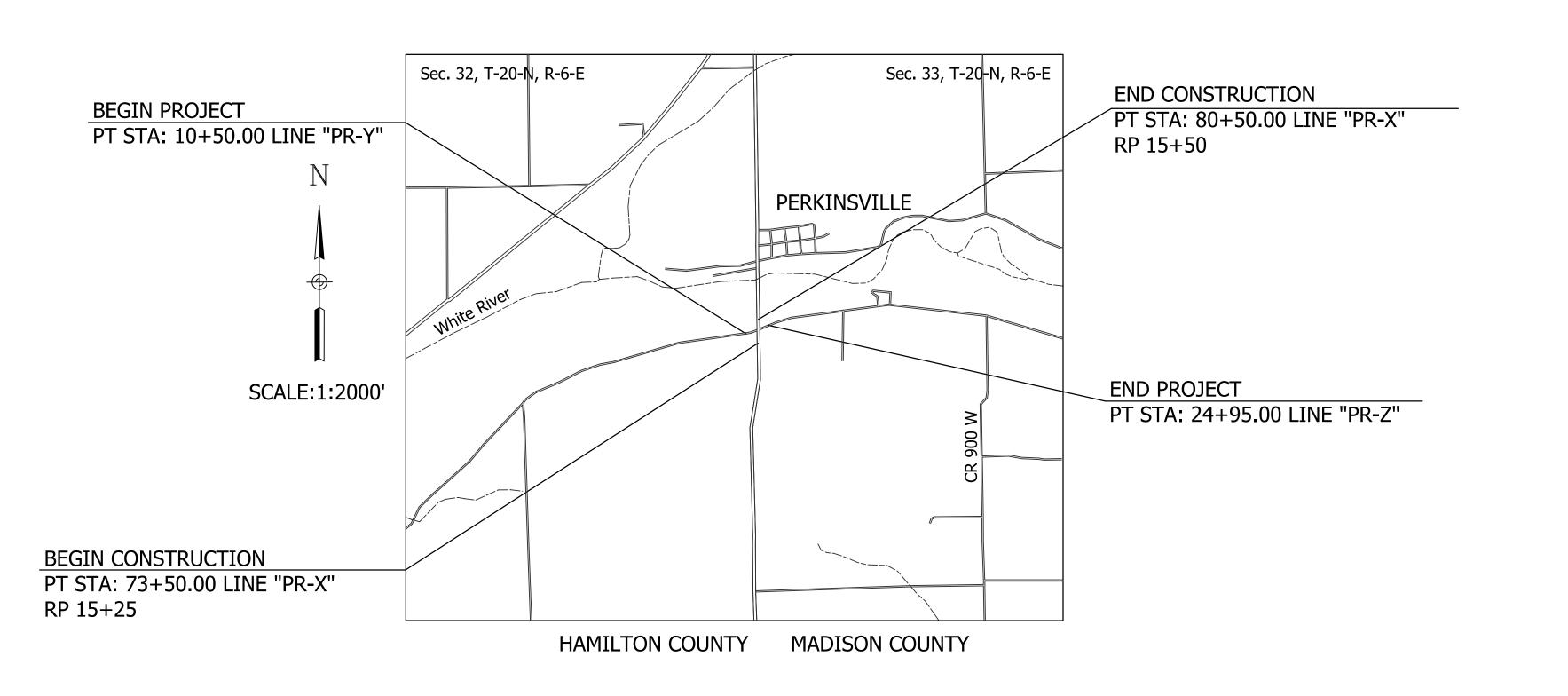
ROAD PLANS

ROUTE: SR 13 AND STRAWTOWN AVENUE

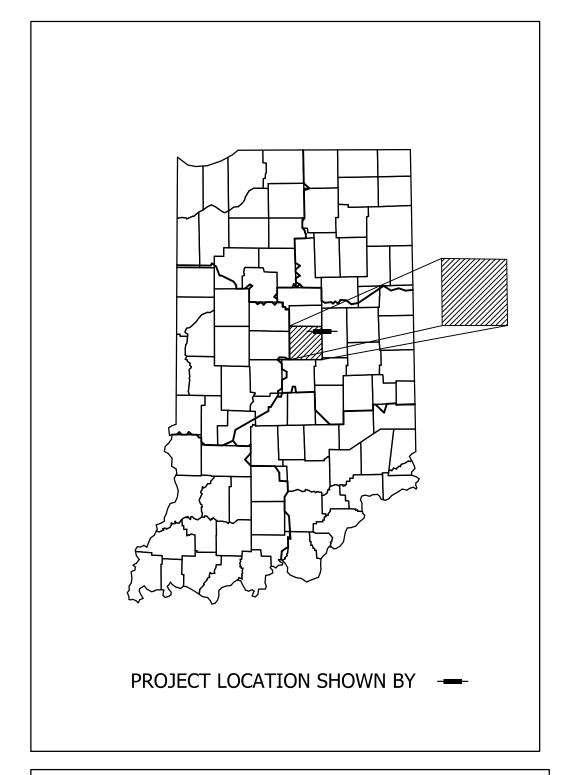
PROJECT DESCRIPTION:
INTERSECTION IMPROVEMENT OF SR 13 AND STRAWTOWN AVENUE
IN SECTION 32 AND 33 T-20-N, R-6-E, WHITEWATER TOWNSHIP IN
HAMILTON COUNTY, INDIANA AND
JACKSON TOWNSHIP IN MADISON COUNTY, INDIANA

PROJECT NO.

2003082 P.E. 2003082 R/W 2003082 CONST.



TRAFFIC DATA	SR 13	STRAWTOWN RD./ 8TH ST.
A.A.D.T. (2026)	3,235 V.P.D.	1,458 V.P.D.
A.A.D.T. (2046)	4,605 V.P.D.	2,075 V.P.D.
D.H.V (2046)	296 V.P.H.	144 V.P.H.
DIRECTIONAL DISTRIBUTION	57.5 %	53 %
TRUCKS	11.17 % A.A.D.T.	3 % A.A.D.T.
	14.5 % D.H.V.	3 % D.H.V.
DESIGN DATA		
DESIGN SPEED	55 M.P.H.	50/45 M.P.H
PROJECT DESIGN CRITERIA	PARTIAL 3R (NON-FREEWAY)	3R (NON-FREEWAY
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL	LOCAL COLLECTOR
RURAL/URBAN	RURAL	RURAI
TERRAIN	LEVEL	LEVEI
ACCESS CONTROL	NONE	NONI



LATITUDE: N 40° 08' 20"	LONGITUDE: W 85° 51' 46"
LATITUDE, IN TO UO ZU	LONGITUDE, W 03 31 40

Roadv	vay Length:	0.34 MI.
Brid	dge Length:	N/A MI.
To	otal Length:	0.34 MI.
Maxin	num Grade:	4.00 %

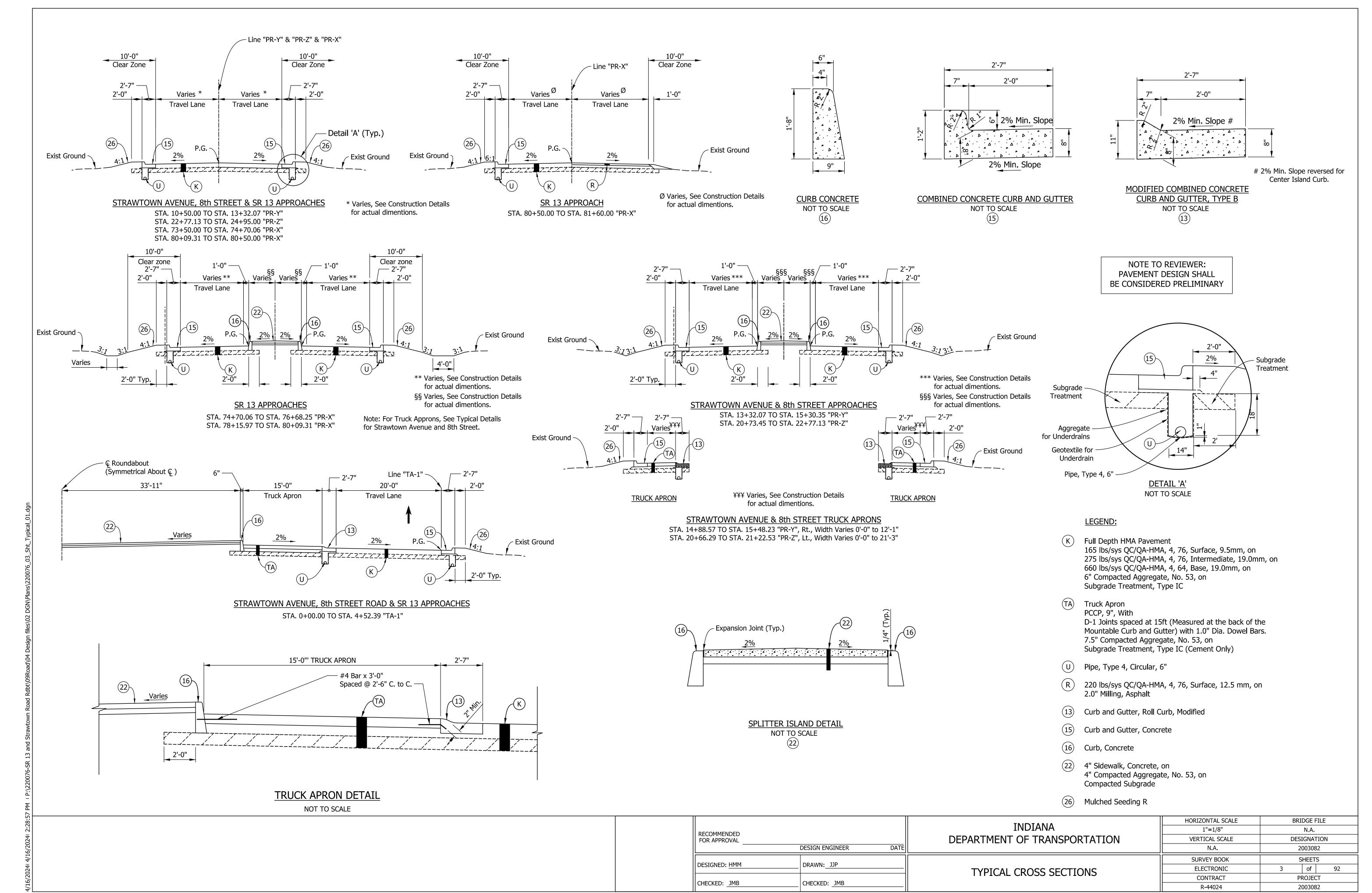
HUC 14: 05120201040100 HUC 14: 05120201070010

Stage 2: January 10, 2024

INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2024 TO BE USED WITH THESE PLANS

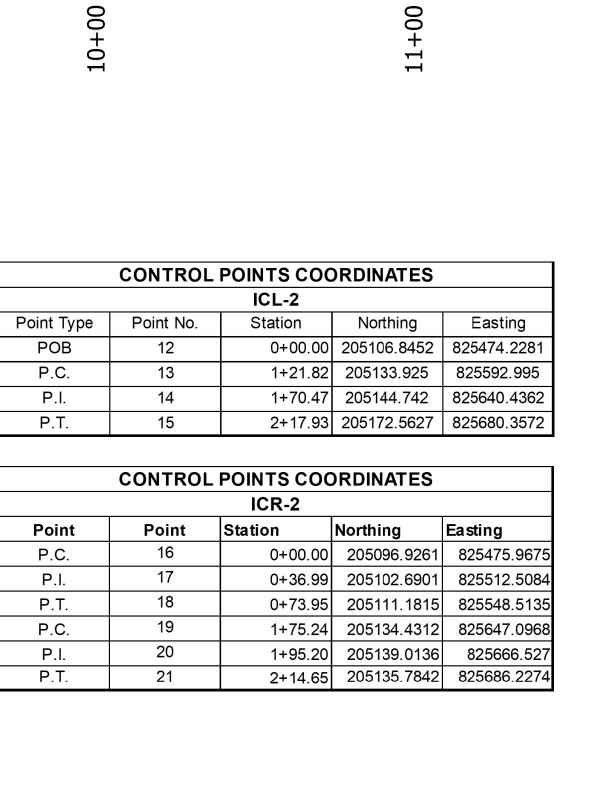
	DICE		1
		N.A.	
	DES1	[GNA	ΓΙΟΝ
	20	00308	32
SURVEY BOOK	SHEETS		
ELECTRONIC	ELECTRONIC 1 of		92
CONTRACT	PROJECT		
R-44024	2003082		

PLANS PREPARED BY:	Beam, Longest & Neff, L.L.C.	(317) 849-5832 PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:		<i>5</i> /112
	INDIANA DEPARTMENT OF TRANSPORTATION	DATE





POB 20+00.00 "Z" = 109 POT 77+63.98 "PR-X"



POB 10+00.00 "PR-Y" = 55 (104)

+000

LINE "PR-Y" CURVE DATA CURVE # 1 PI = 13+21.17 "PR-Y"Delta = $6^{\circ}24'01'' LT$ $D = 7^{\circ}32'20''$ R = 760.00'T = 42.49'L = 84.90'E = 1.19'

POB 0+00.00 "ICL-2" = POC 13+20.00 "PR-Y", 5.59' Lt.

(56) PC 12+78.68 "PR-Y"

(57) PI 13+21.17 "PR-Y"

(105) PC 13+21.17 "Y"

16 POB 0+00.00 "ICR-2" = POC 13+20.00 "PR-Y", 4.48' Rt.

N81°02'09"E "ICR-2" —

17) PI 0+36.99 "ICR-2" /

(18)PT 0+73.95 "ICR-2"

12+00

LINE "ICL-2" CURVE DATA CURVE # 1 PI = 1+70.47 "ICL-2" Delta = 22°01'41" LT $D = 22^{\circ}55'06''$ R = 250.00'T = 48.66'L = 96.12'

E = 4.69'

13+00

N55°07'39"E "ICL-2" — Line "TA-1" (14) PI 1+70.47 "ICL-2" (13) PC 1+21.82 "ICL-2" PT 13+63.57 "PR-Y" 58 /--- S80°41'26"E "ICR-2" ∼Line "PR-Y" Line "ICL-2" Line "Y" / Line "ICR-2" PC 1+75.24 "ICR-2" POE 16+04.06 "PR-Y" = 5960 POB 20+00.00 "PR-Z" = 5960 (20)PI 1+95.20 "ICR-2" POT 77+41.93 "PR-X" = PI 14+48.66 "Y" POE 2+14.65 "ICR-2" = POC 2+23.01 "TA-1" = POT 77+41.93 "X" POT 15+33.34 "PR-Y", 13.52 Lt. <u>PT 15+76.06 "</u>Y" / POE 16+00.00 "Y" = 108 POT 77+19.87 "PR-X" N79°31'04"E "Y" —

15+00

00+

			E: 825207.2	639
	CONTROL	POINTS COC	RDINATES	
		Υ		
Point Type	Point No.	Station	Northing	Easting
POB	104	10+00.00	205062.1661	825157.6189
P.C.	105	13+21.17	205100.3665	825476.5085
P.I.	106	14+48.66	205115.5303	825603.0932
P.T.	107	15+76.06	205138.7243	825728.4553
POE	108	16+00.00	205143.0792	825751.9931

BEGIN PROJECT

N: 205068.1131

STA: 10+50.00 "PR-Y"

CONTROL POINTS COORDINATES				
		PR-Y		
Point Type	Point No.	Station	Northing	Easting
POB	55	10+00.00	205062.1661	825157.6189
P.C.	56	12+78.68	205095.3123	825434.3169
P.I.	57	13+21.17	205100.3665	825476.5085
P.T.	58	13+63.57	205110.0925	825517.8736
POE	59	16+04.06	205165.1355	825751.9731

Line "Y"

∠Line "PR-Y"

LINE "Y" CURVE DATA
CURVE # 1
PI = 14+48.66 "Y"
Delta = 3°39'04" LT
$D = 1^{\circ}25'57''$
R = 4000.00'
T = 127.49'
L = 254.89'
E = 2.03'

LINE "ICR-2" CURVE DATA
CURVE # 1
PI = 0+36.99 "ICR-2"
Delta = 4°18'21" LT
D = 5°49'22"
R = 984.00'
T = 36.99'
L = 73.95'
E = 0.70'

LINE "ICR-2" CURVE DATA
CURVE # 2 PI = 1+95.20 "ICR-2" Delta = 22°34'46" RT
D = 57°17'45" R = 100.00'
T = 19.96' L = 39.41'
E = 1.97'

POE 2+17.93 "ICL-2" = POC 1+85.34 "TA-1" =

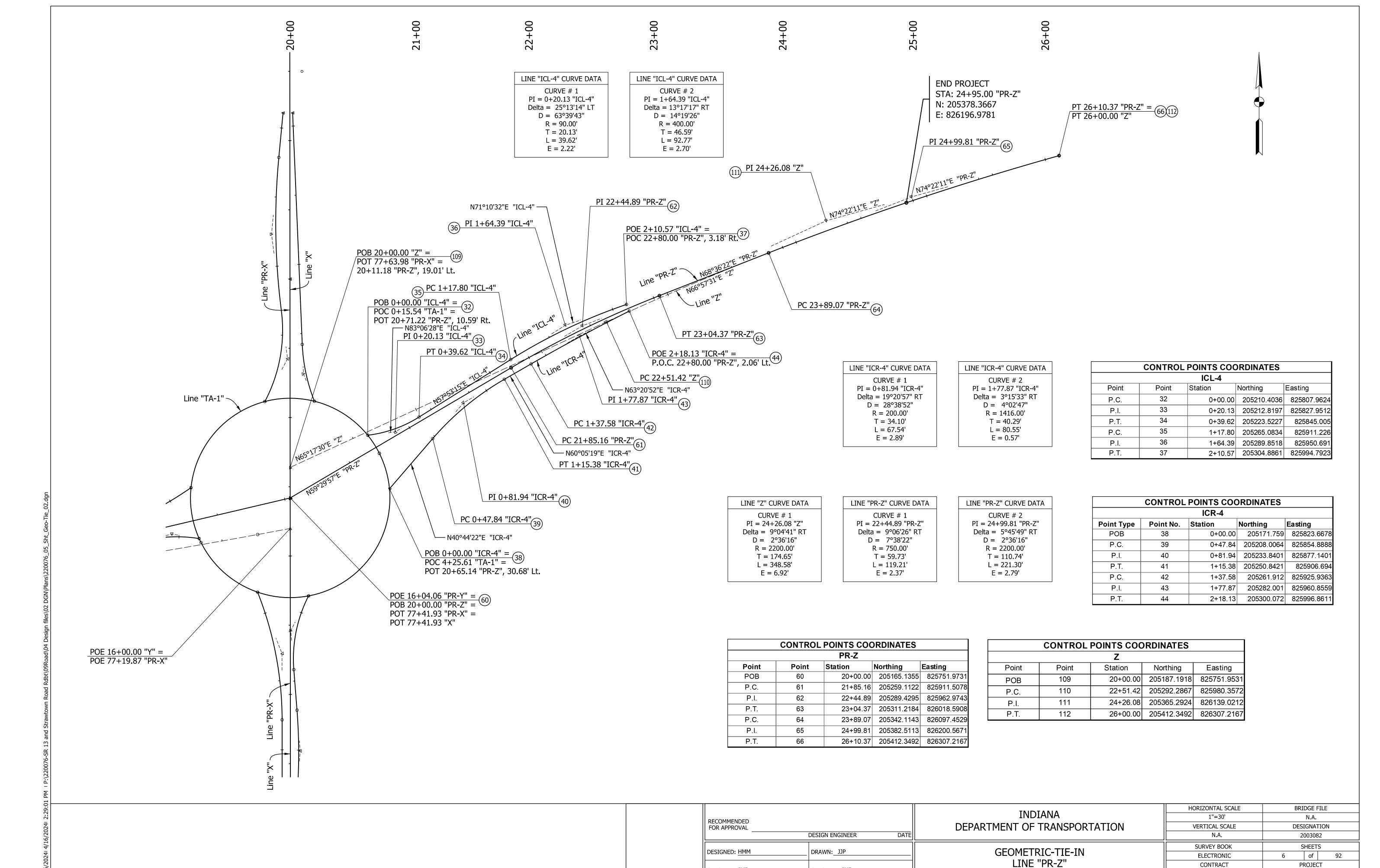
POT 15+36.04 "PR-Y", 23.62 Rt.

RECOMMENDED FOR APPROVAL		INDIANA	HORIZONTAL SCALE 1"=30'	BRIDGE FILE N.A.
		DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION
			N.A.	2003082
DESCRIPTION AND DESCRIPTION AN		CEOMETRIC TIE IN	SURVEY BOOK	SHEETS
DESIGNED: HMM	DRAWN: JJP	GEOMETRIC-TIE-IN	ELECTRONIC	5 of 92
CHECKED IMP		LINE "PR-Y"	CONTRACT	PROJECT
CHECKED: JMB	CHECKED: JMB		R-44024	2003082



R-44024

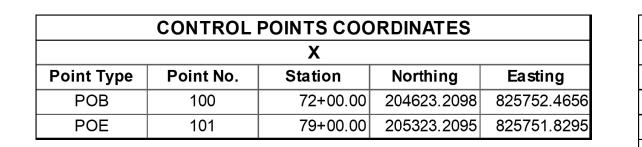
2003082



CHECKED: JMB

CHECKED: JMB

POB 20+00.00 "Z" = 108 POT 77+63.98 "PR-X" = 108 POT 77+63.98 "X"



CONTROL POINTS COORDINATES					
	PR-X				
Point Type	Point No.	Station	Northing	Easting	
POB	50	72+00.00	204623.2098	825752.4656	
POE	51	82+10.00	205633.2094	825751.547	

CONTROL POINTS COORDINATES					
	ICL-1				
Point Type	Point Number	Station	Northing	Easting	
POB	1	0+00.00	204883.2042	825746.2185	
P.C.	2	1+21.69	205004.8957	825746.1187	
P.I.	3	1+69.49	505052.6899	825846.0795	
P.T.	4	2+16.14	205097.0993	825728.4131	

CONTROL POINTS COORDINATES					
ICR-1					
Point Type	Point No.	Station	Northing	Easting	
POB	5	0+00.00	204883.2097	825752.2596	
P.C.	6	0+69.83	204952.8739	825757.1302	
P.I.	7	0+99.41	204982.3787	825759.1931	
P.T.	8	1+28.88	205011.8661	825756.8939	
P.C.	9	1+58.27	205041.1691	825754.6092	
P.I.	10	1+86.45	205069.2612	825752.4188	
P.T.	11	2+13.20	205094.3641	825765.2174	

CURVE # 1
PI = 1+69.49 "ICL-1"
Delta = 21°38'46" LT
D = 22°55'06"
R = 250.00'
T = 47.79'
L = 94.45'
E = 4.53'

POE 2+16.14 "ICL-1" = POC 2+81.88 "TA-1" =

POT 76+73.91 "PR-X", 23.62' Rt.

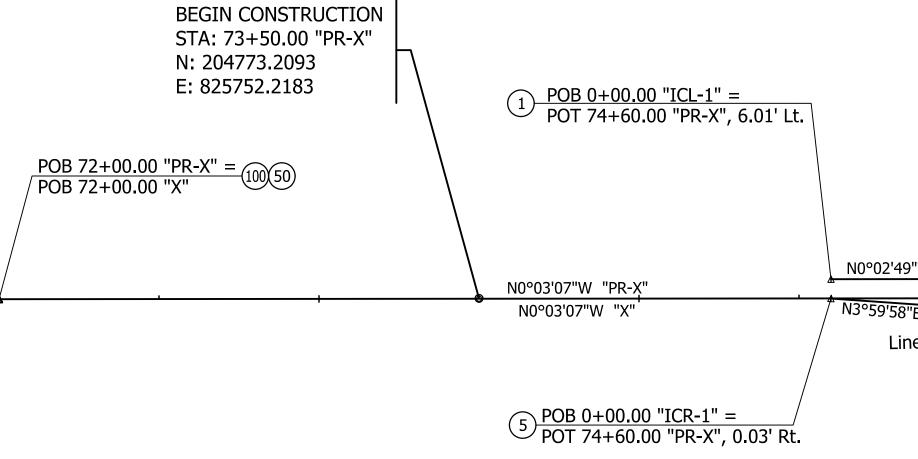
N21°41'35"W "ICL-1" —

PI 1+69.49 "ICL-1"

∠Line "ICL-1"

POE 16+00.00 "Y" =
POT 77+19.87 "PR-X" =
POT 77+41.93 "PR-X" =
POT 77+41.93 "PR-X" =
POT 77+41.93 "X"

✓ Line "TA-1"



LINE "ICR-1" CURVE DATA

CURVE # 1 PI = 0+99.41 "ICR-1"

Delta = 8°27'28" LT

 $D = 14^{\circ}19'26''$

R = 400.00'

T = 29.58'

L = 59.05'

E = 1.09'

N0°02'49"W "ICL-1" N3°59'58"E "ICR-1" Line "ICR-1"

74+60.00 "PR-X", 0.03' Rt.

6 PC 0+69.83 "ICR-1" /

CURVE # 2
PI = 1+86.45 "ICR-1"
Delta = 31°28'22" RT
D = 57°17'45"
R = 100.00'
T = 28.18'
L = 54.93'
E = 3.89'

7 PI 0+99.41 "ICR-1"

8 PT 1+28.88 "ICR-1"

N4°27'30"W "ICR-1"

2 PC 1+21.69 "ICL-1"

9 PC 1+58.27 "ICR-1"

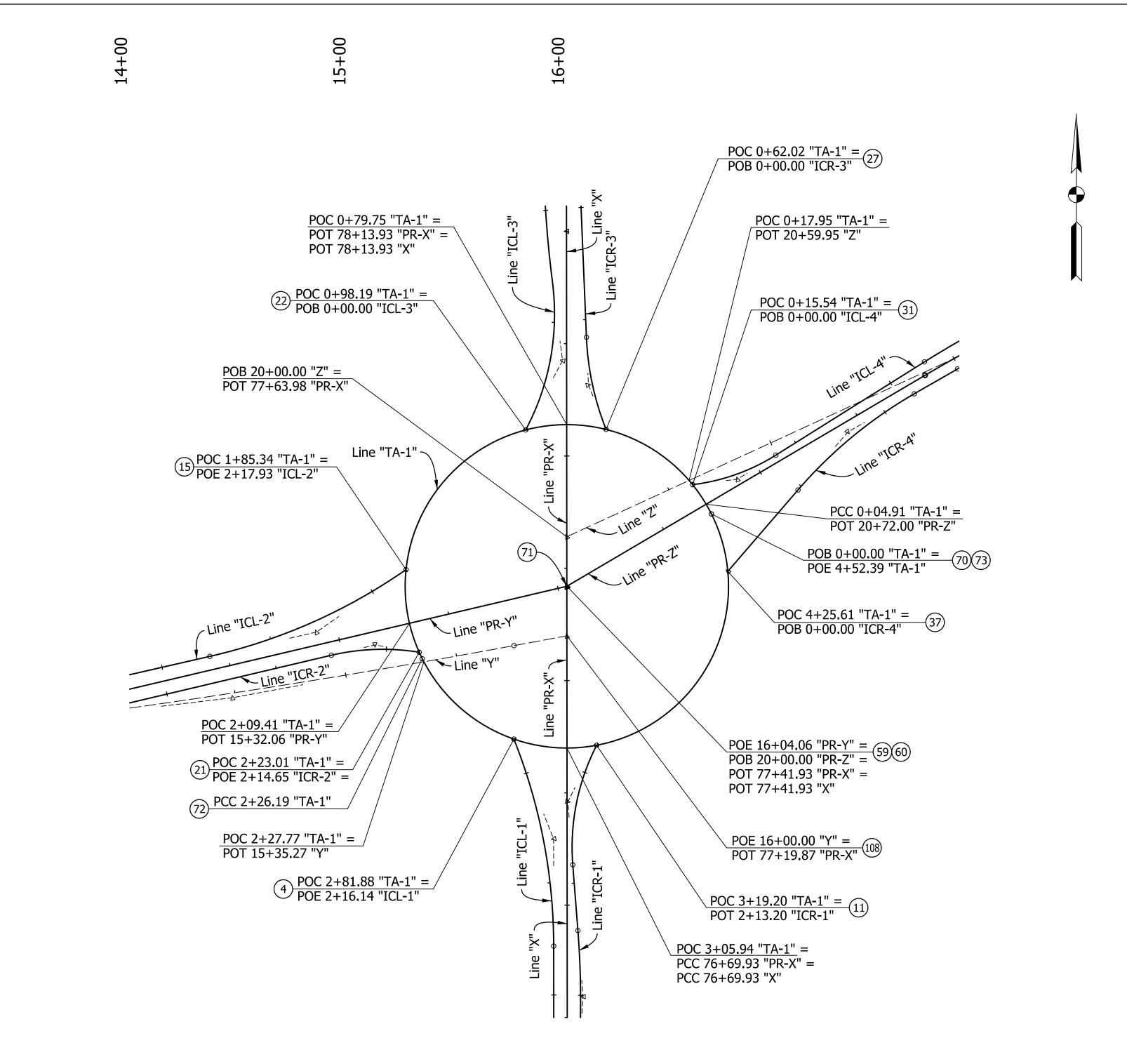
10 PI 1+86.45 "ICR-1"

N27°00'52"E "ICR-1"

11 POE 2+13.20 "ICR-1" = POC 3+19.20 "TA-1" = POT 76+71.14 "PR-X", 13.18' Lt.

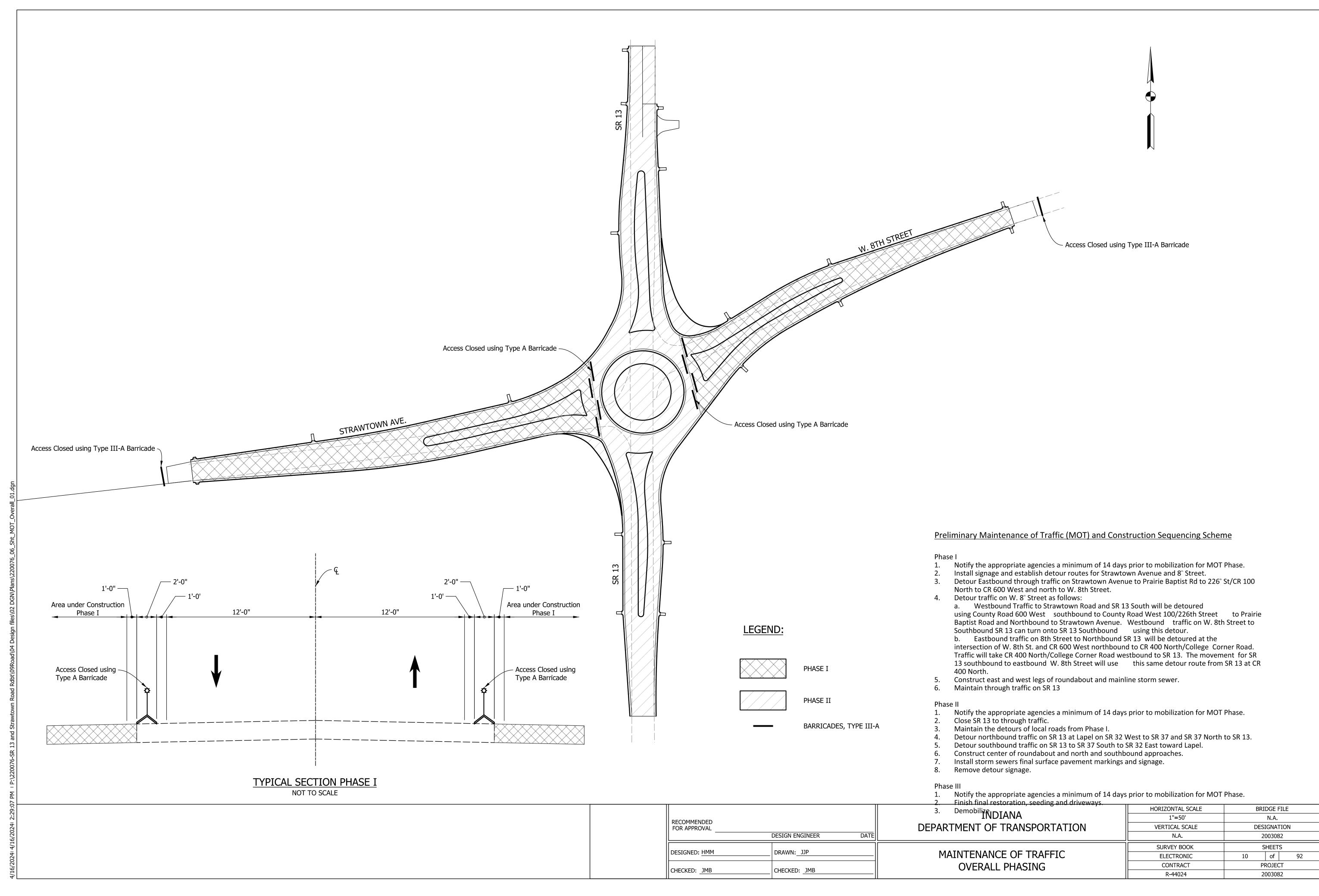
RECOMMENDED FOR APPROVAL			HORIZONTAL SCALE 1"=30' VERTICAL SCALE	BRIDGE FILE N.A. DESIGNATION
	DESIGN ENGINEER DATE		N.A.	2003082
DECICNED, LIMM	DRAWNI, 11D	CEOMETRIC TIE IN	SURVEY BOOK	SHEETS
DESIGNED: HMM	DRAWN:JJP	GEOMETRIC-TIE-IN	ELECTRONIC	7 of 92
		LINE "PR-X"	CONTRACT	PROJECT
CHECKED: JMB	CHECKED: JMB		R-44024	2003082

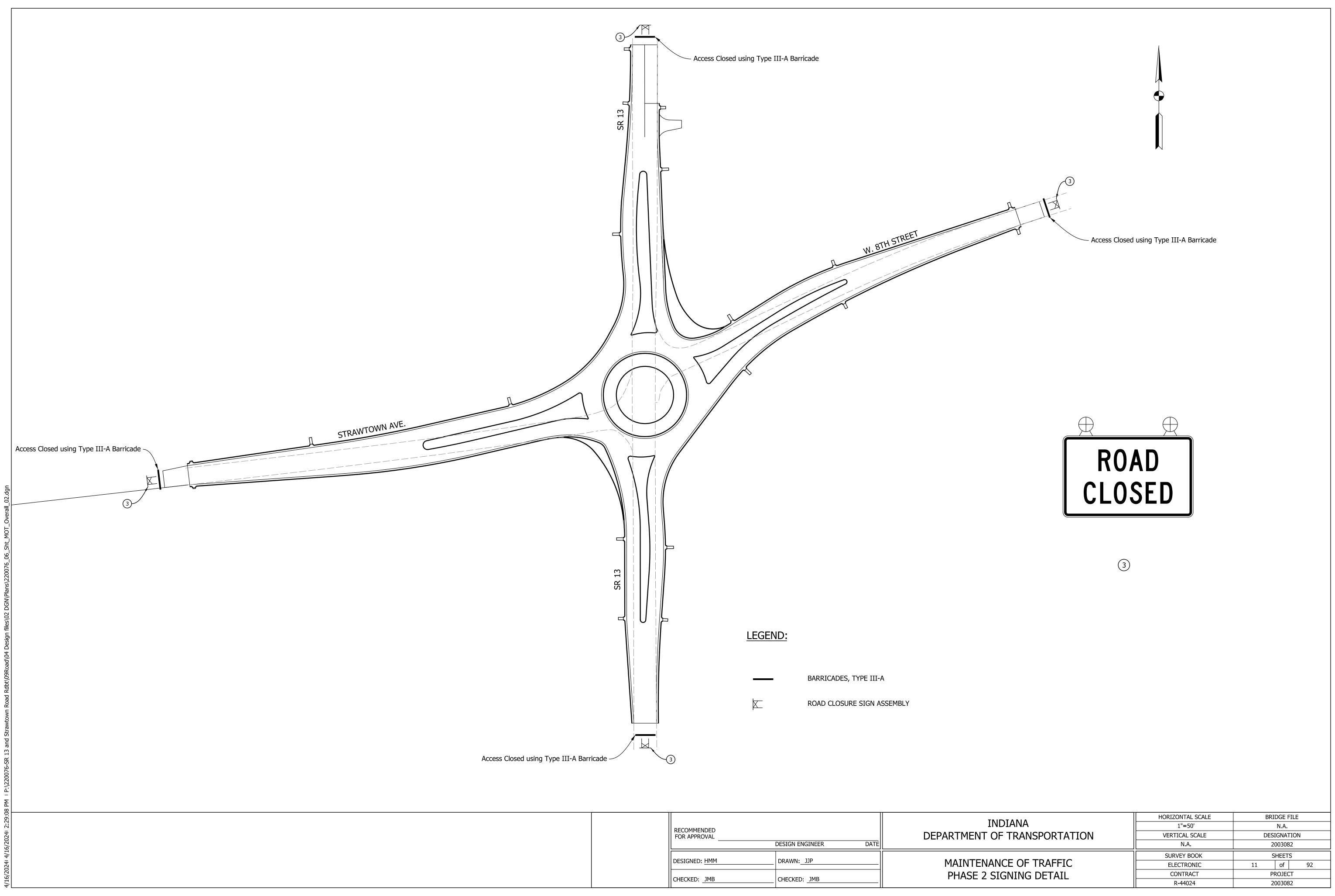
/2024၊ 2:29:03 PM । P:\220076-SR 13 and Strawtown Road Rdbt\09Road\04 Design files\02 DGN\Plans\220076_05_Sht_Ge

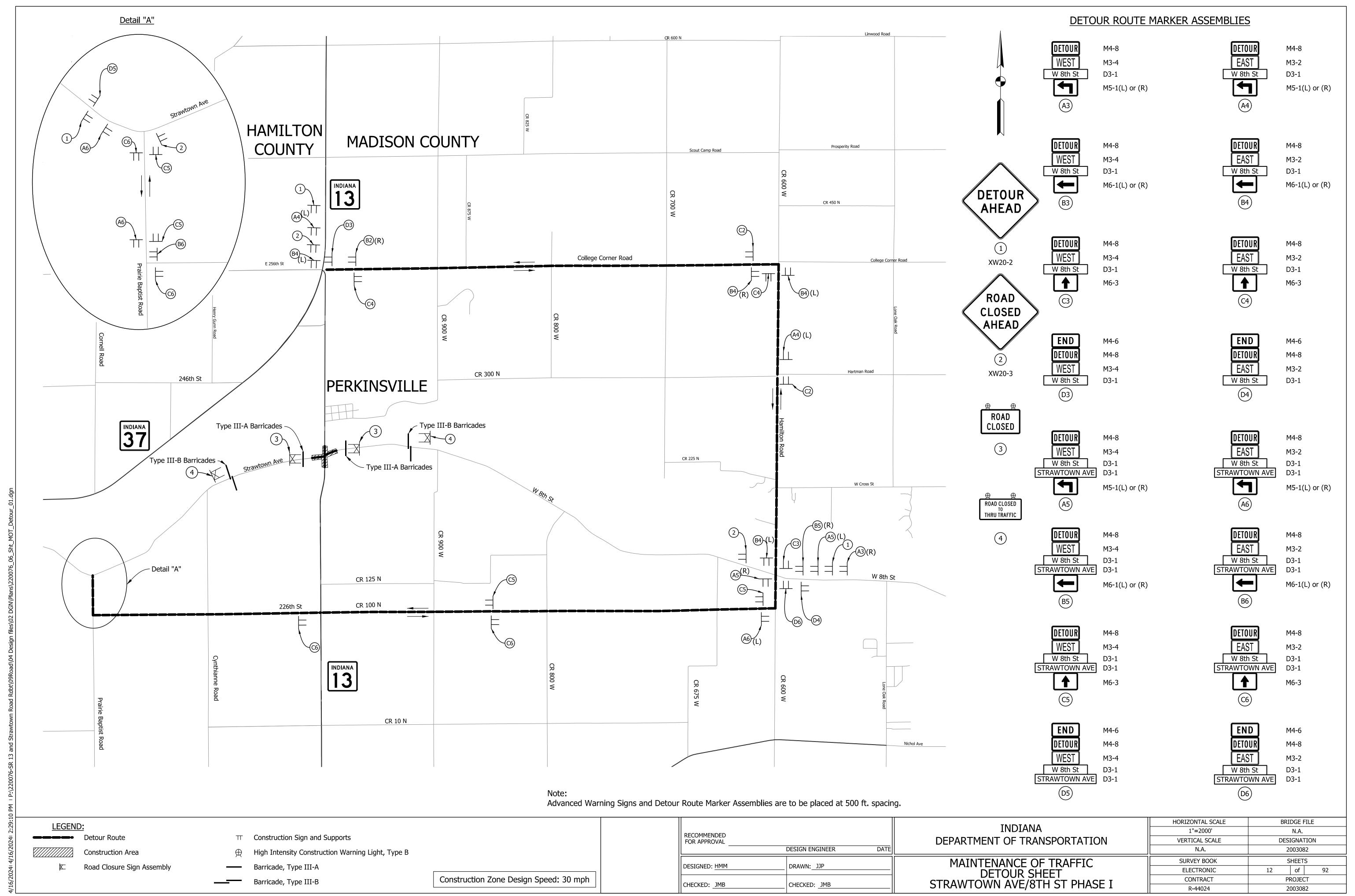


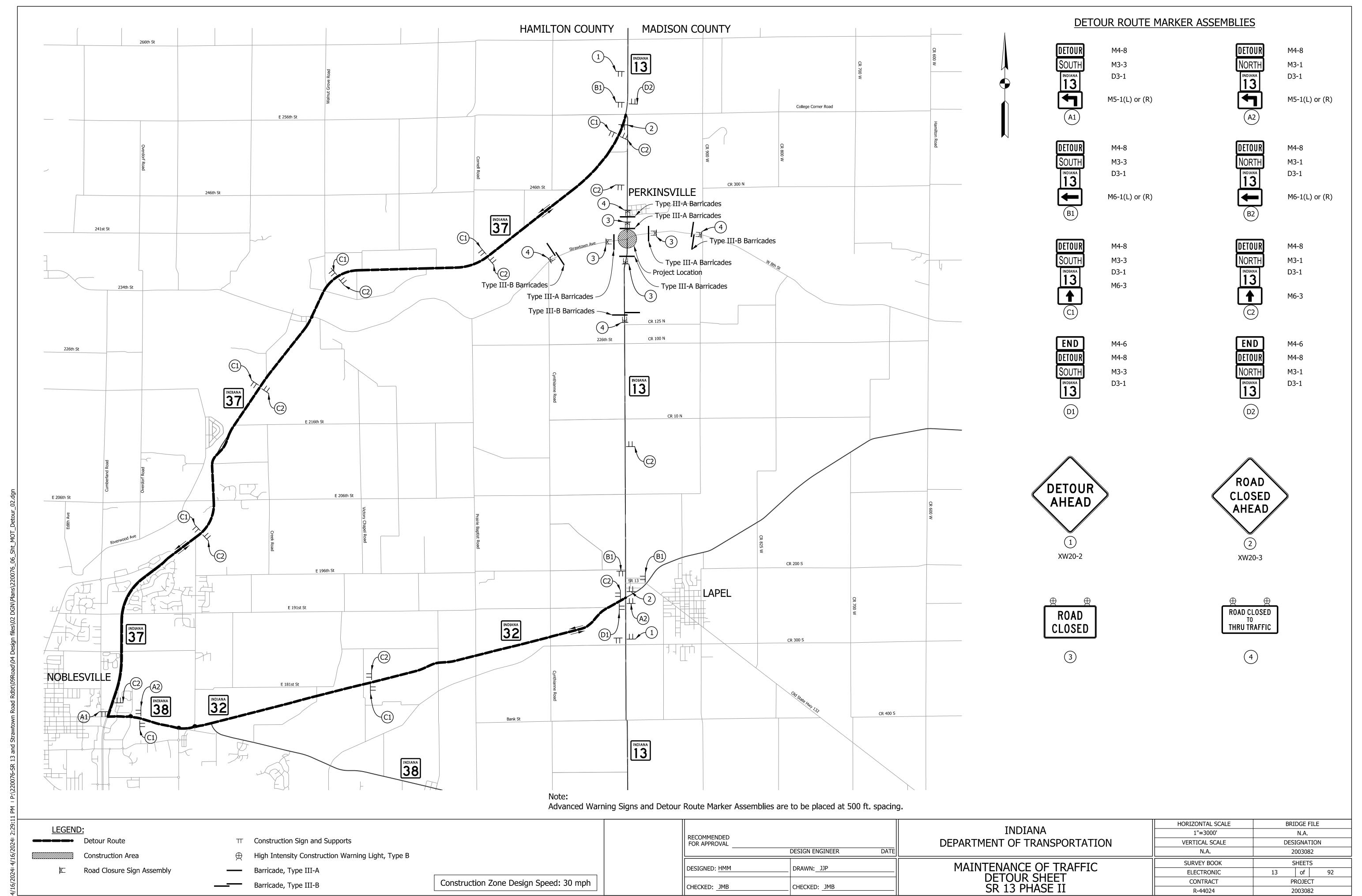
CONTROL POINTS COORDINATED					
	TA-1				
Point	Point No.	Station	Northing	Easting	
P.C.	70	0+00.00	205197.3627	825816.358	
Ctr.C	71		205165.1355	825751.9731	
P.C.C.	72	2+26.19	205132.9083	825687.5883	
P.T.	73	4+52.39	205197.3627	825816.358	

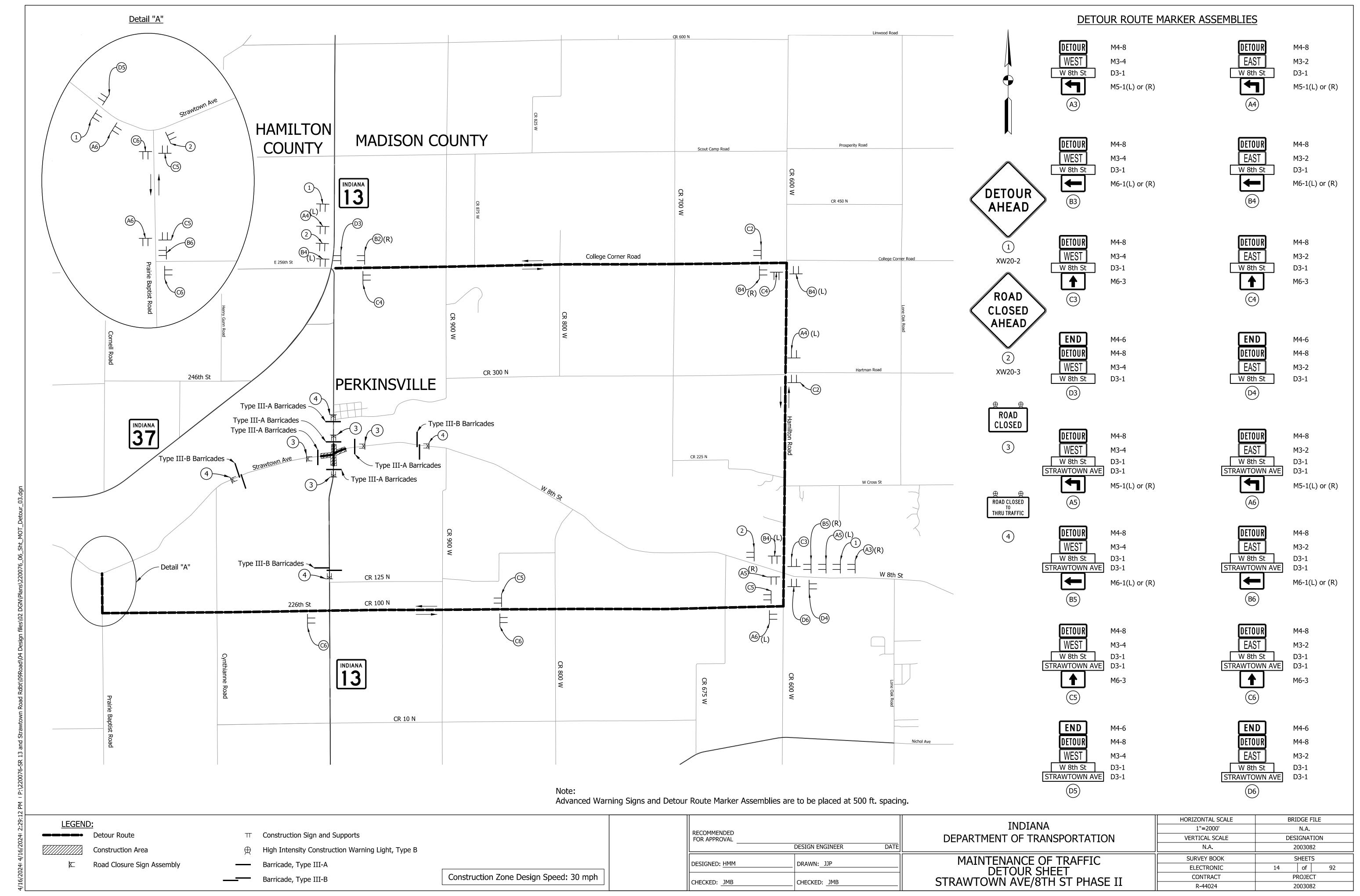
TNIDIANIA		HORIZONTAL SCALE	BRIDGE FILE	
RECOMMENDED		INDIANA	1"=30'	N.A.
FOR APPROVAL		DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION
	DESIGN ENGINEER DATE		N.A.	2003082
DECICNED LIMM	DDAMAN JJD	CEOMETRIC TIE IN	SURVEY BOOK	SHEETS
DESIGNED: HMM	DRAWN: JJP	GEOMETRIC-TIE-IN	ELECTRONIC	9 of 92
CUECKED IMP	CUECKED IMP	LINE "TA-1"	CONTRACT	PROJECT
CHECKED: JMB	CHECKED: JMB		R-44024	2003082

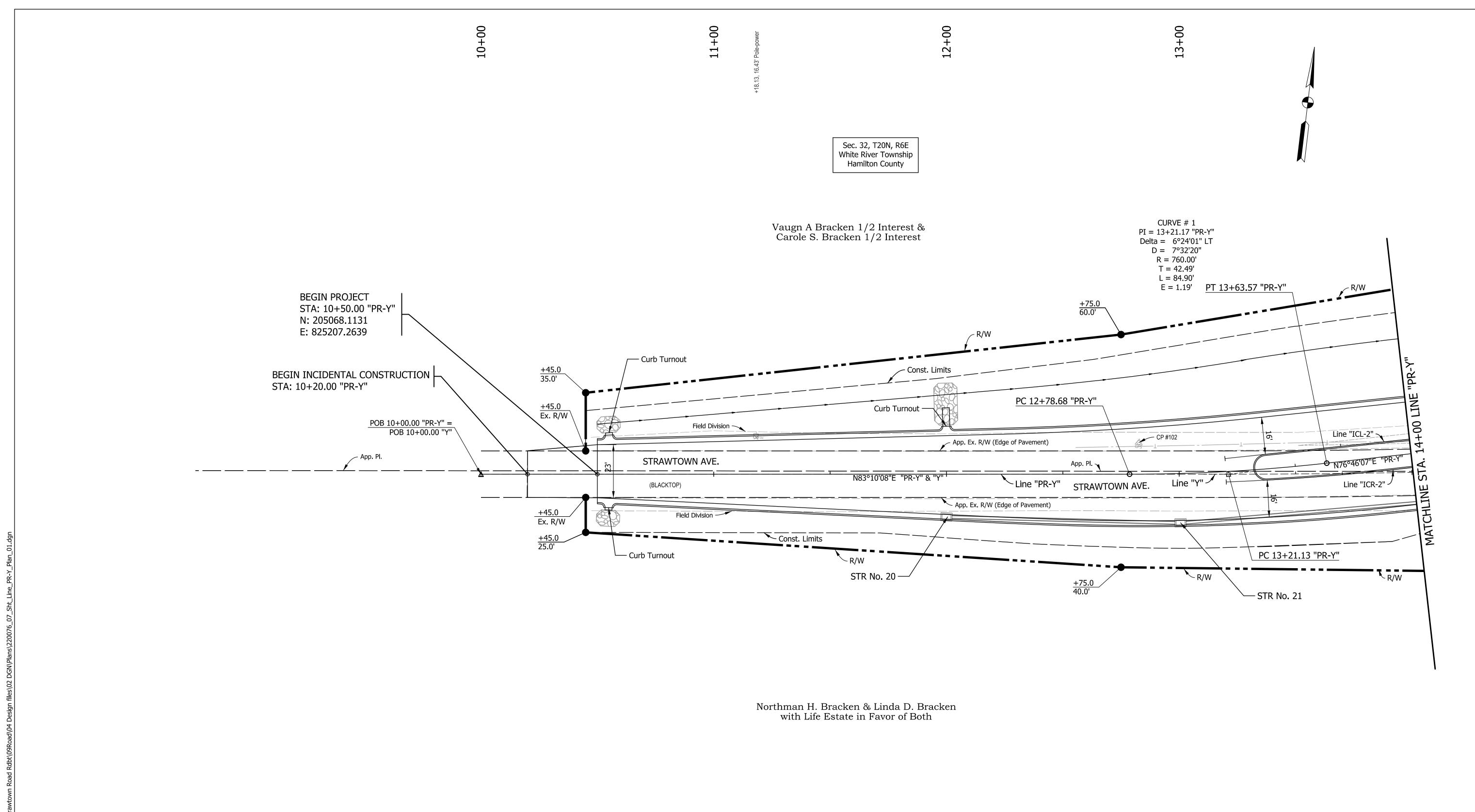










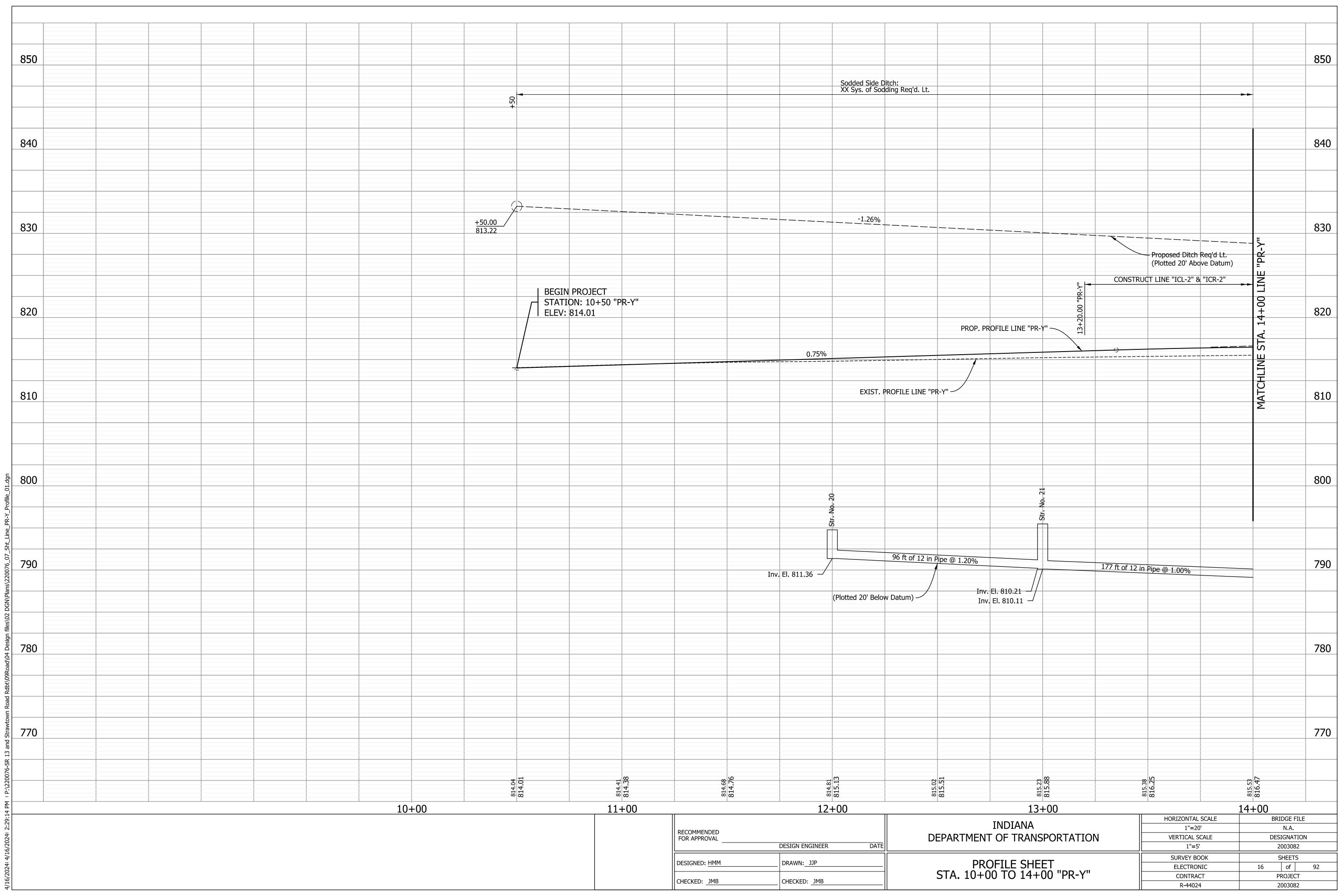


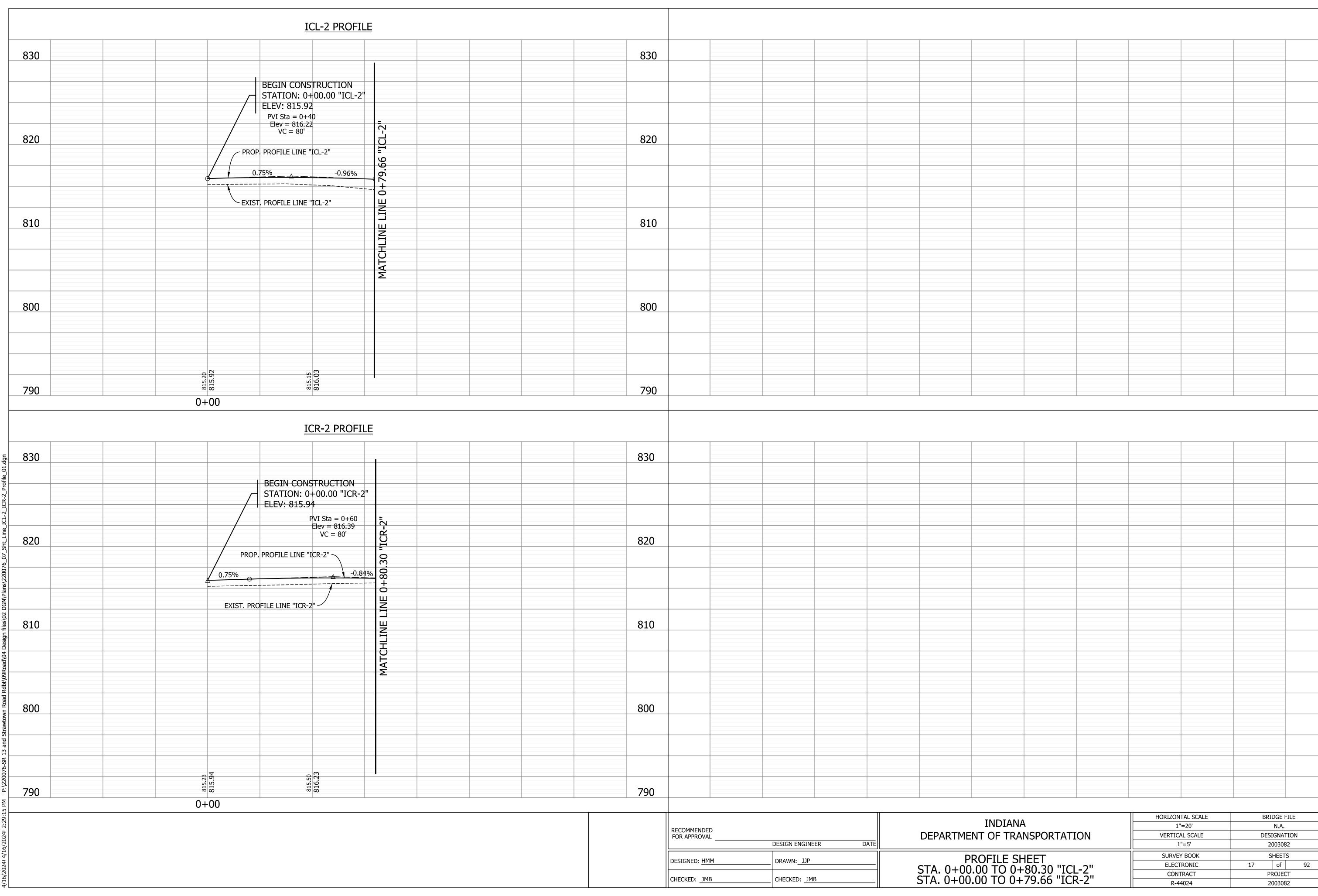
- All Toponotes callouts are from Line "Y" unless otherwise noted.
 All Alignment callouts are from Line "PR-Y" unless otherwise noted.
 All Right-of-Way callouts are from Line "PR-Y" unless otherwise noted.
 For Additional Alignment Information and Monument Location/Type, See Geometric Tie-in Sheets.

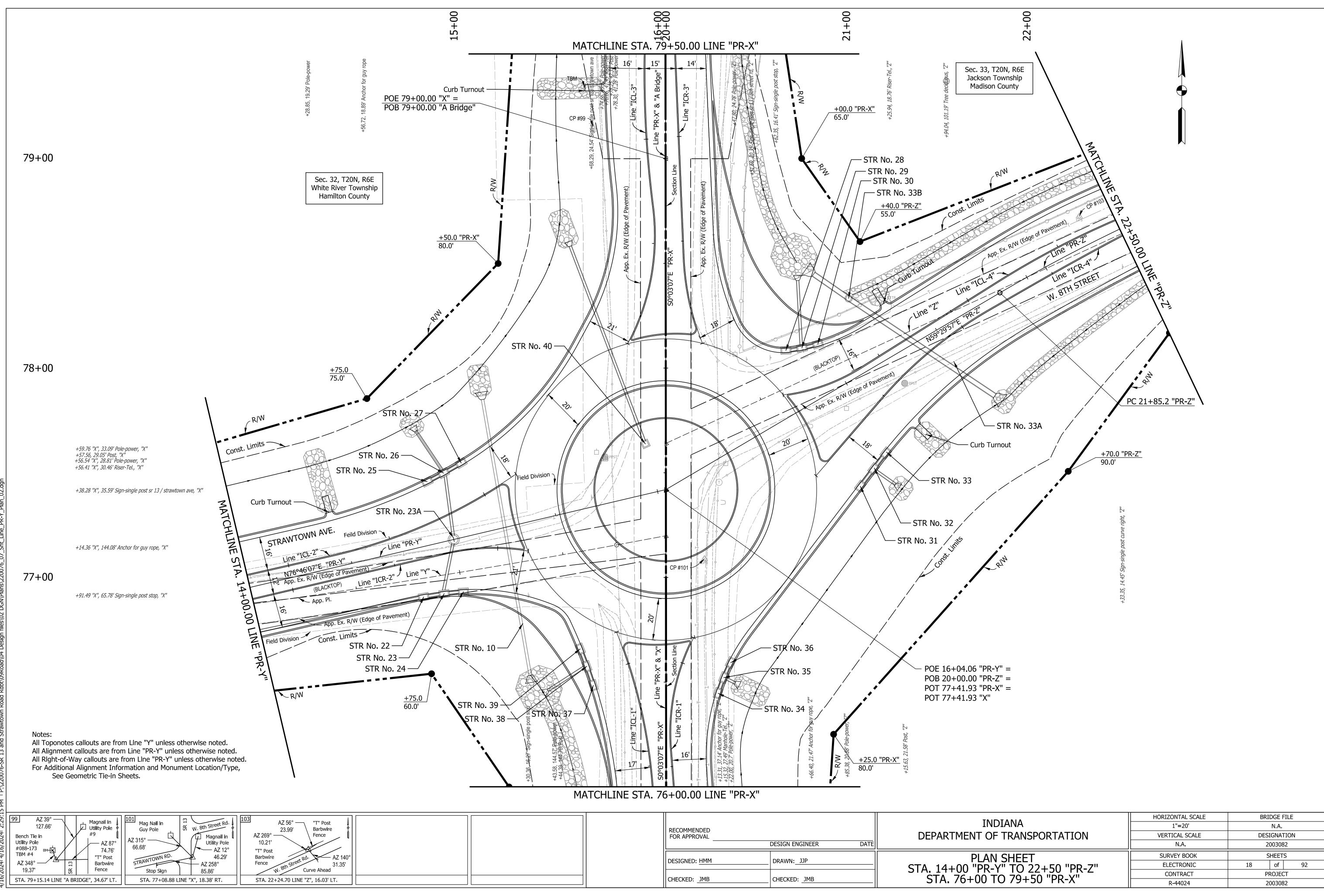
Bench Tie in Utility Pole TBM #2 AZ 264° 164.34' Wag Nail in Utility Pole #064-182 #064-182		
STRAWTOWN RD. MAGE AZ 175° Mag Nail in White Line 23.64'		
STA. 12+82.68 LINE "Y", 13.58' LT.		

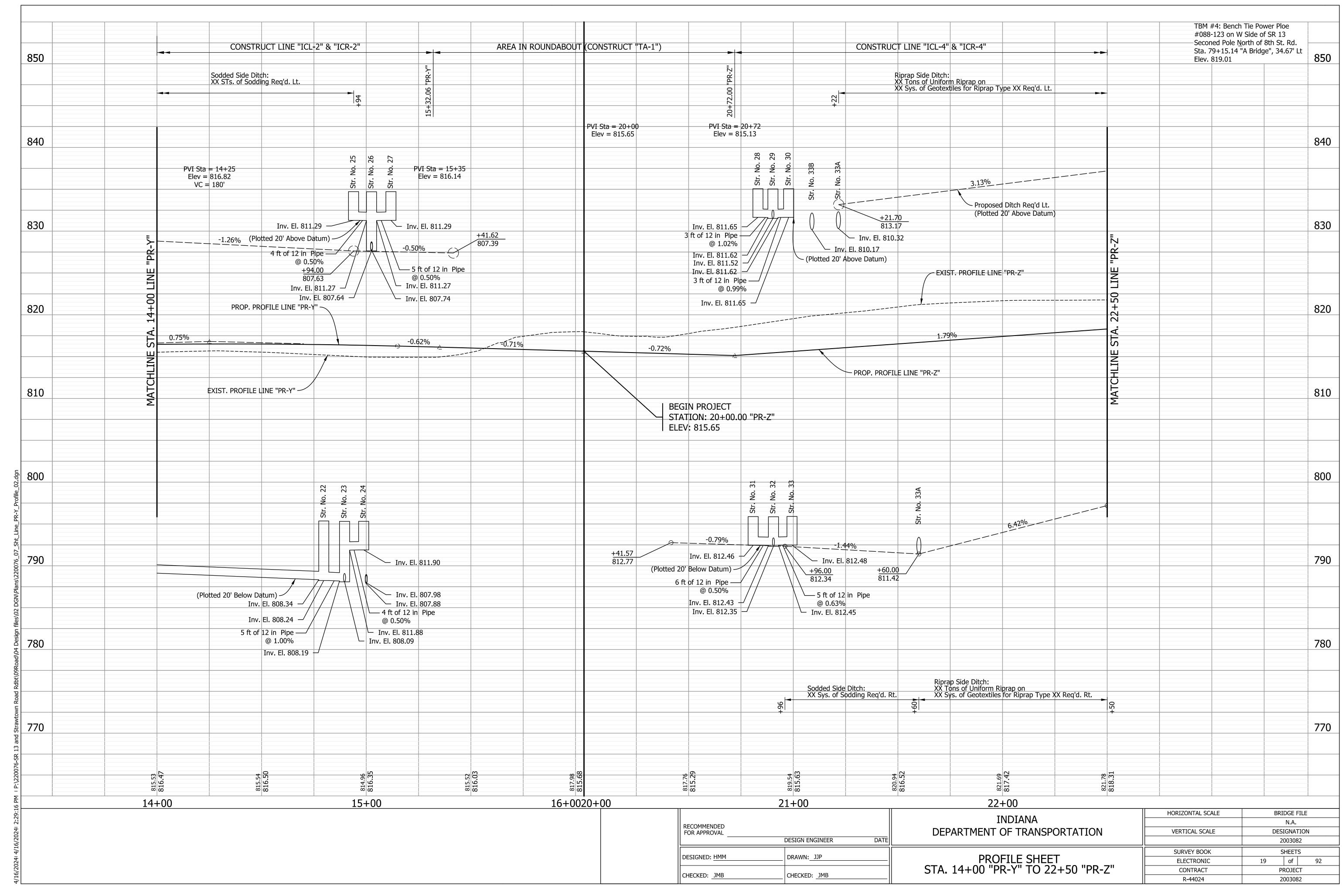
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER DA	Ē
DESIGNED: HMM	DRAWN:_ JJP	_
CHECKED: JMB	CHECKED: JMB	_

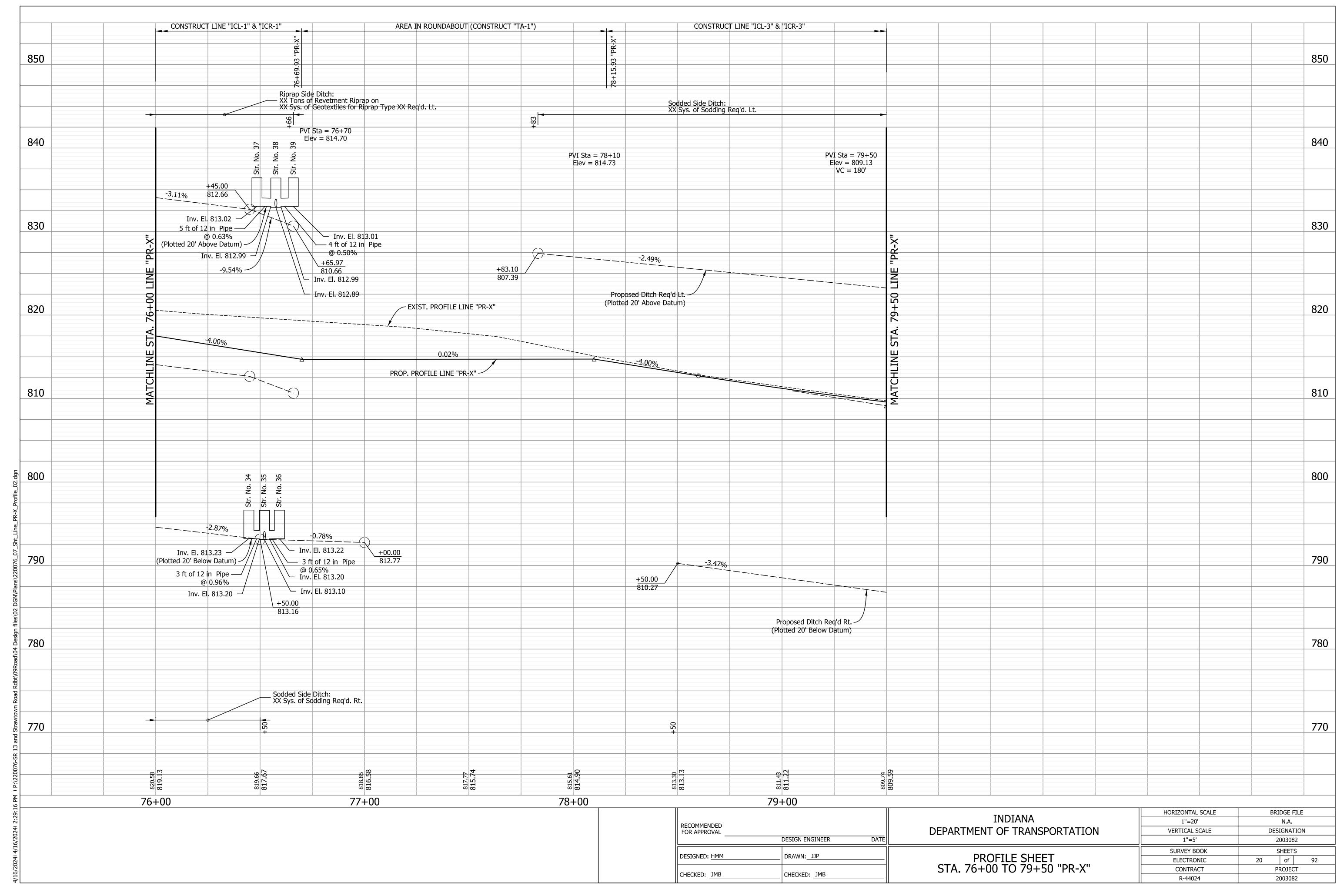
				_
TRIPTARIA	HORIZONTAL SCALE	BRI	DGE FI	L
INDIANA	1"=20'	N.A.		
DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DES	IGNATI	[(
	N.A.	2	003082	<u> </u>
DI ANI CLIEFT	SURVEY BOOK	S	HEETS	,
PLAN SHEET	ELECTRONIC	15	of	_
STA. 10+00 TO 14+00 "PR-Y"	CONTRACT	PROJEC		Γ
	R-44024	2	003082	,

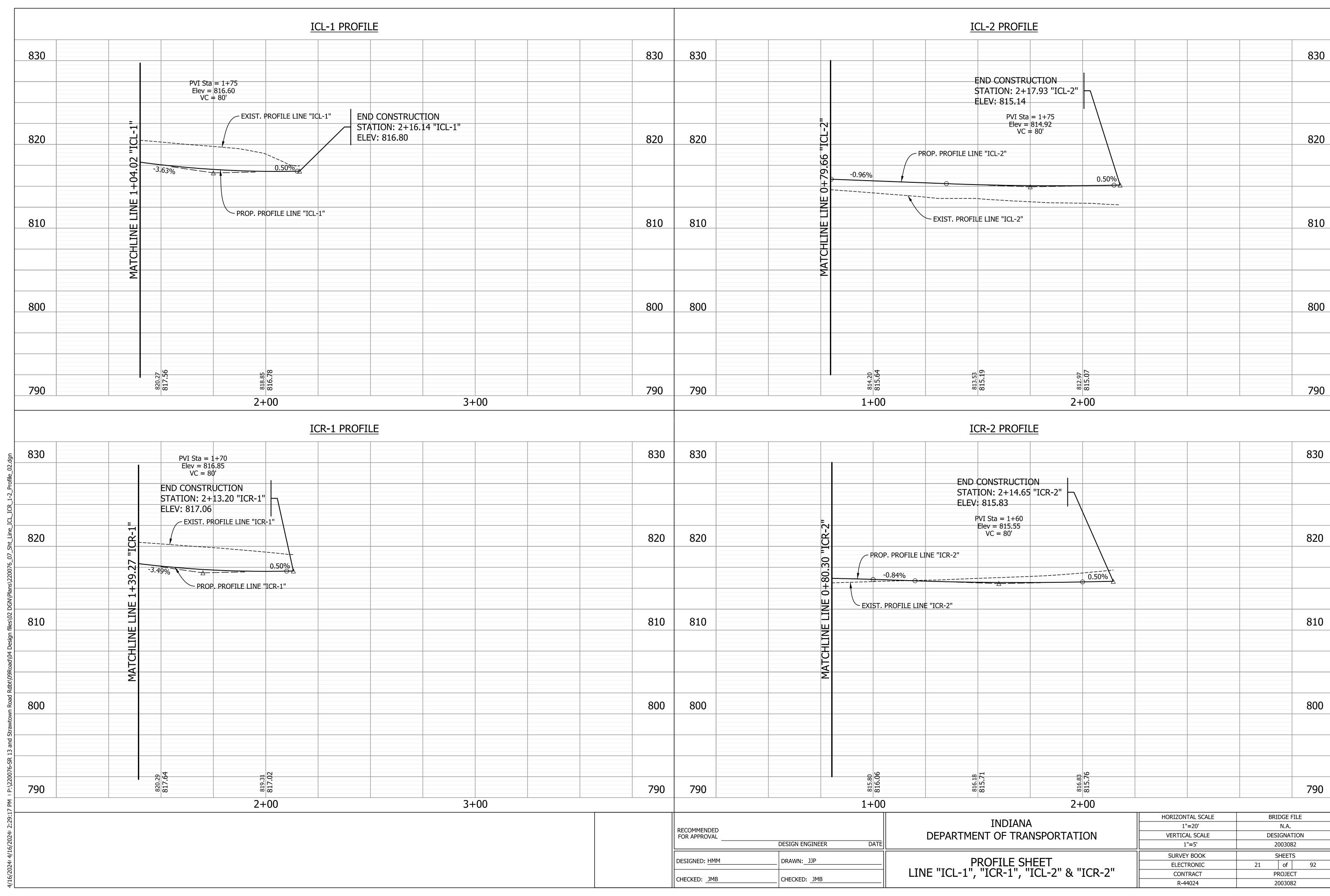


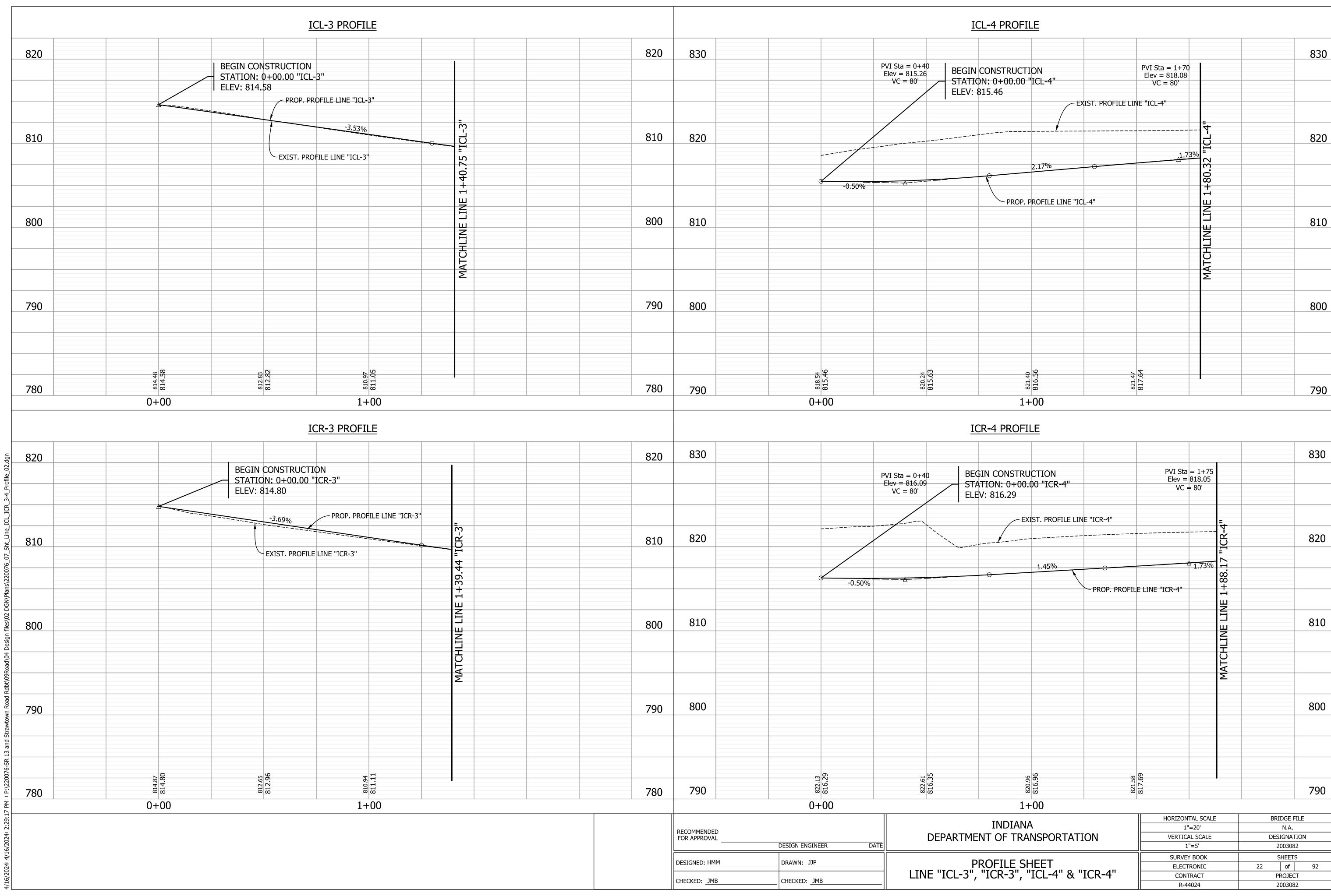


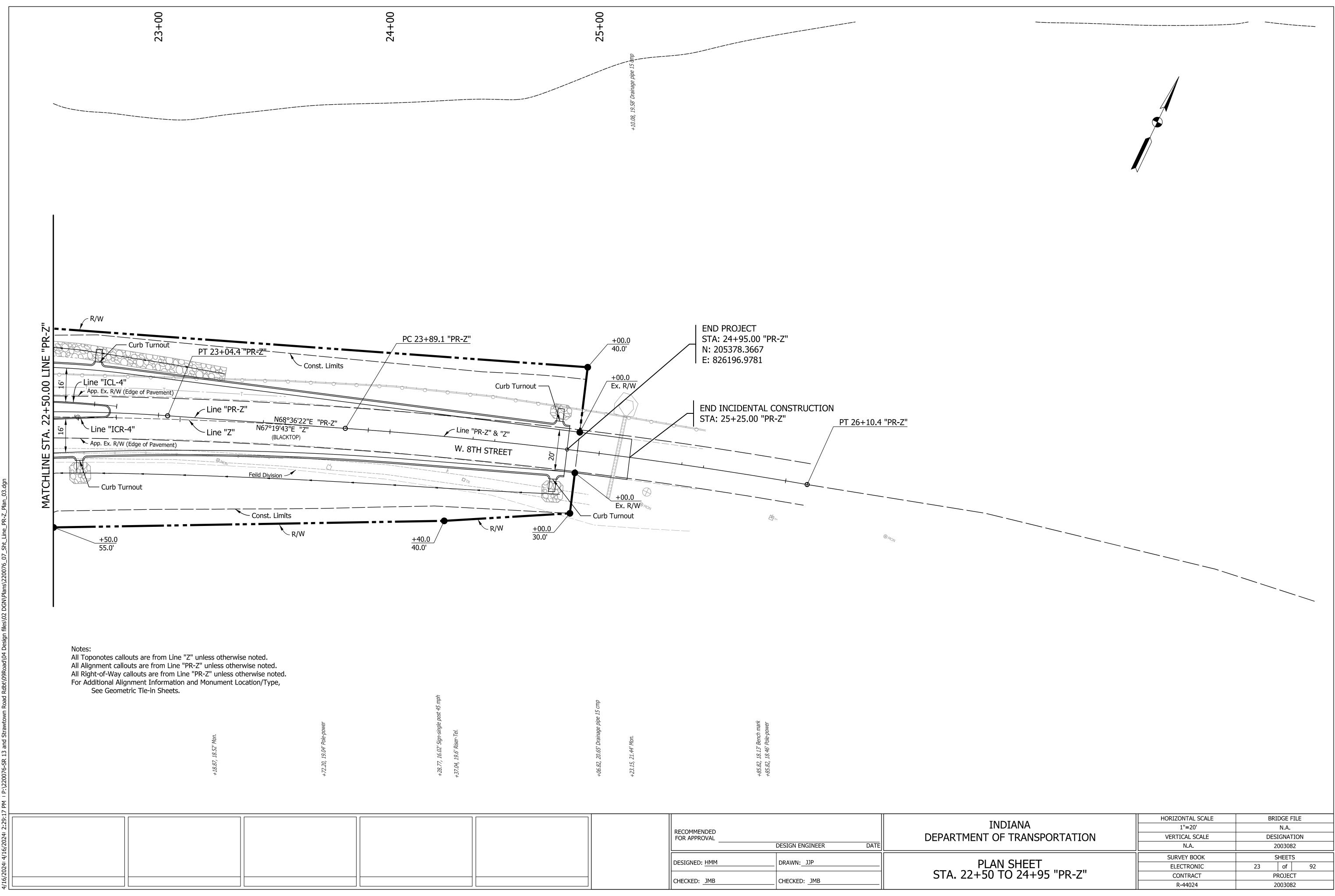


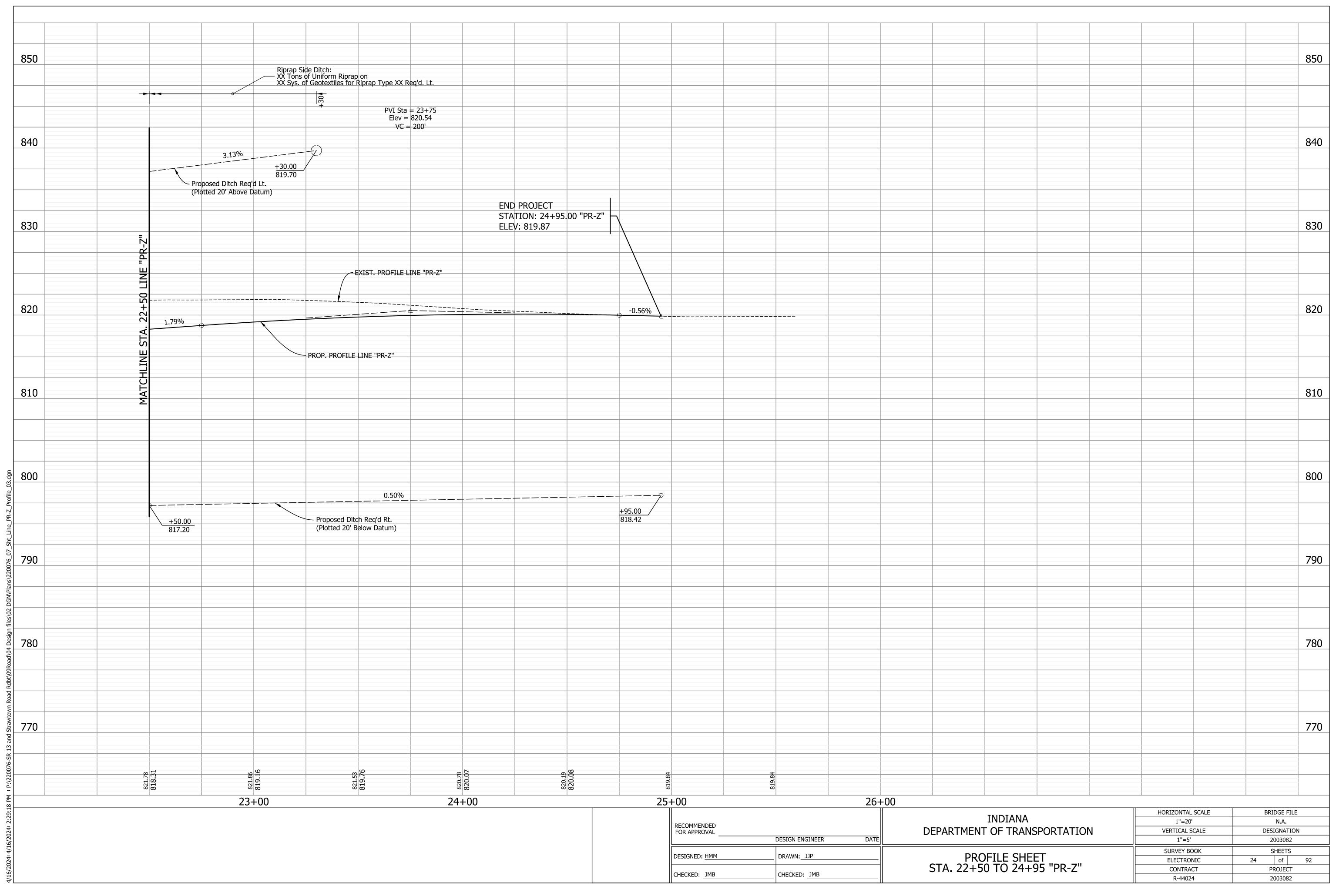


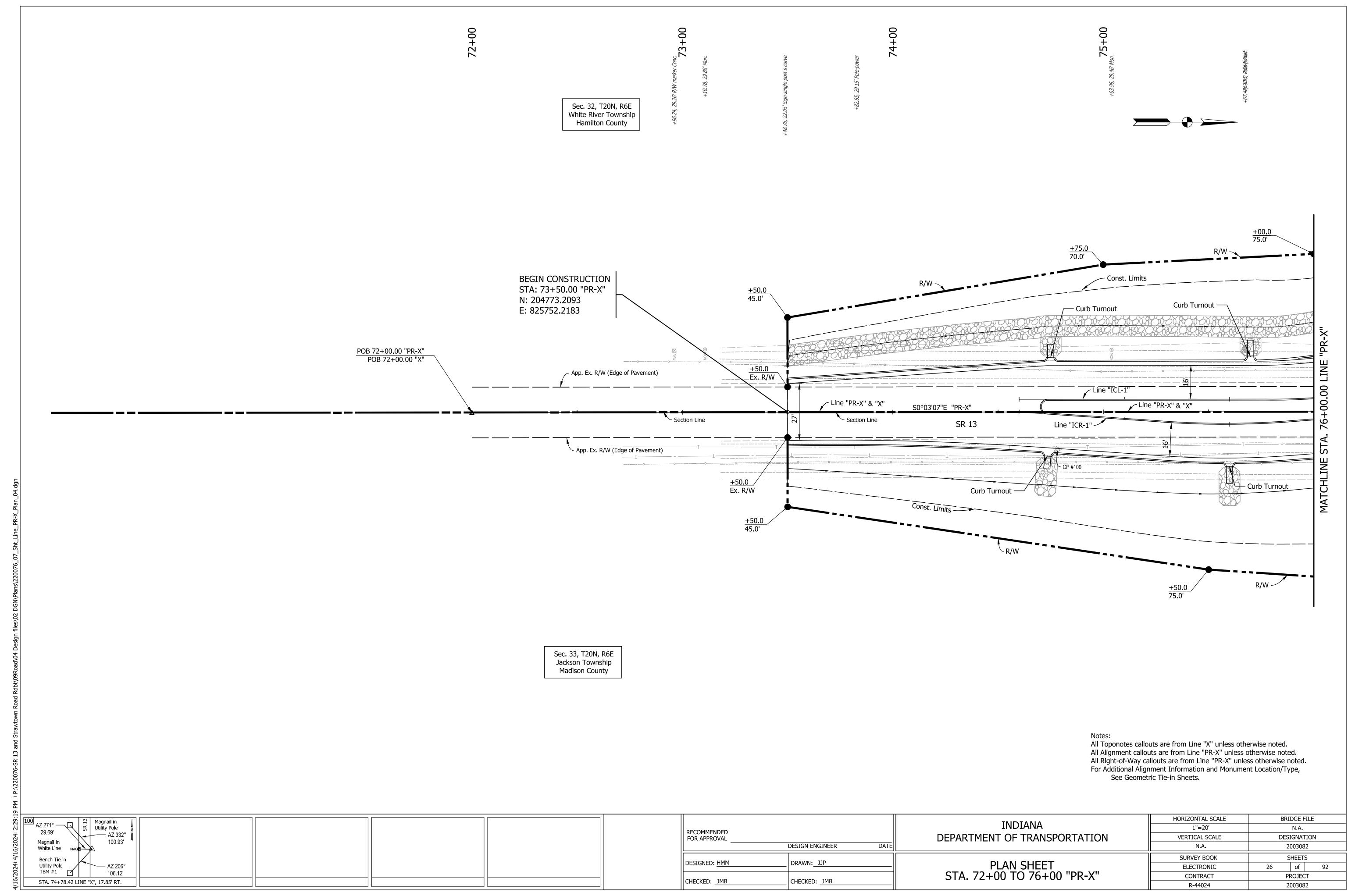


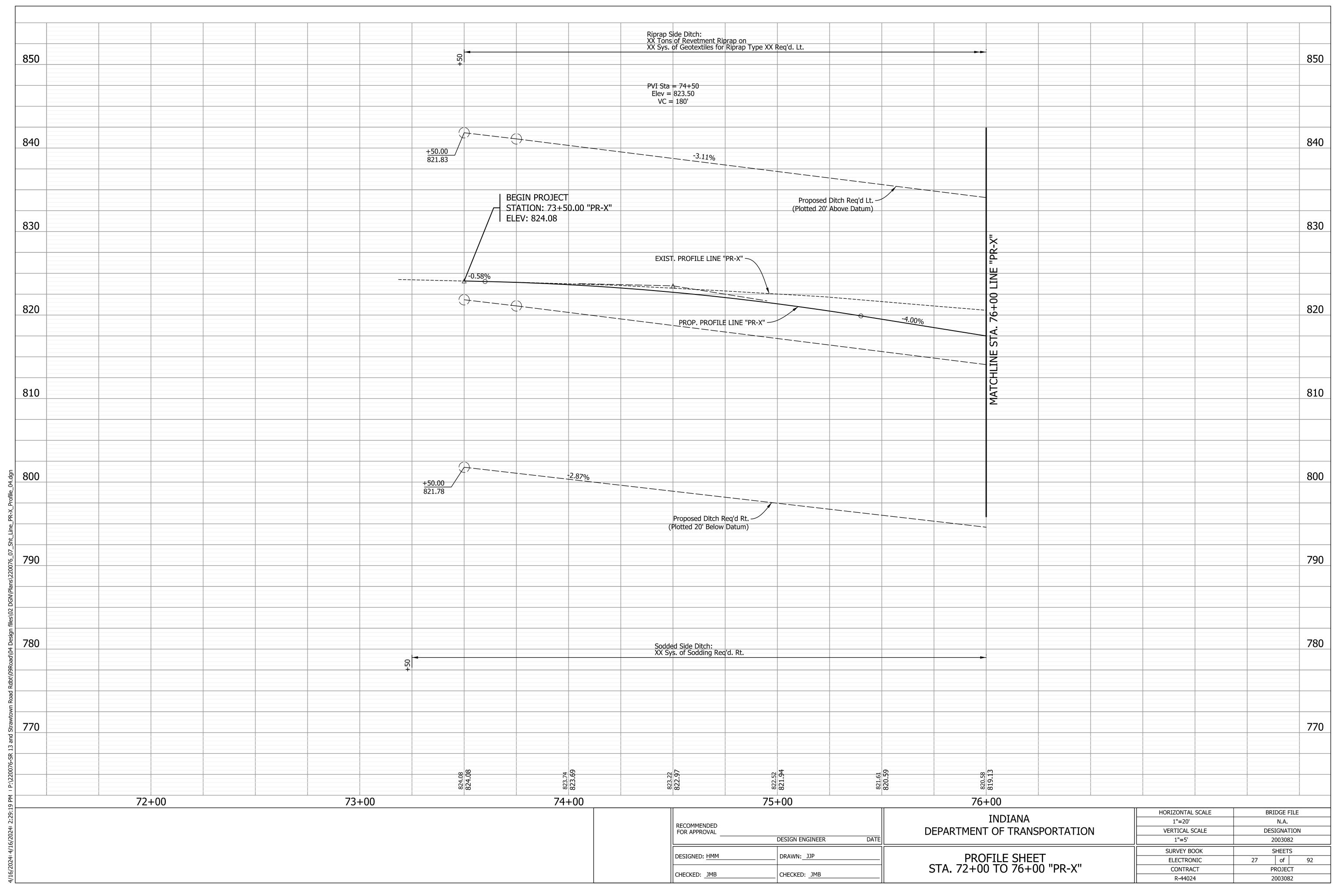


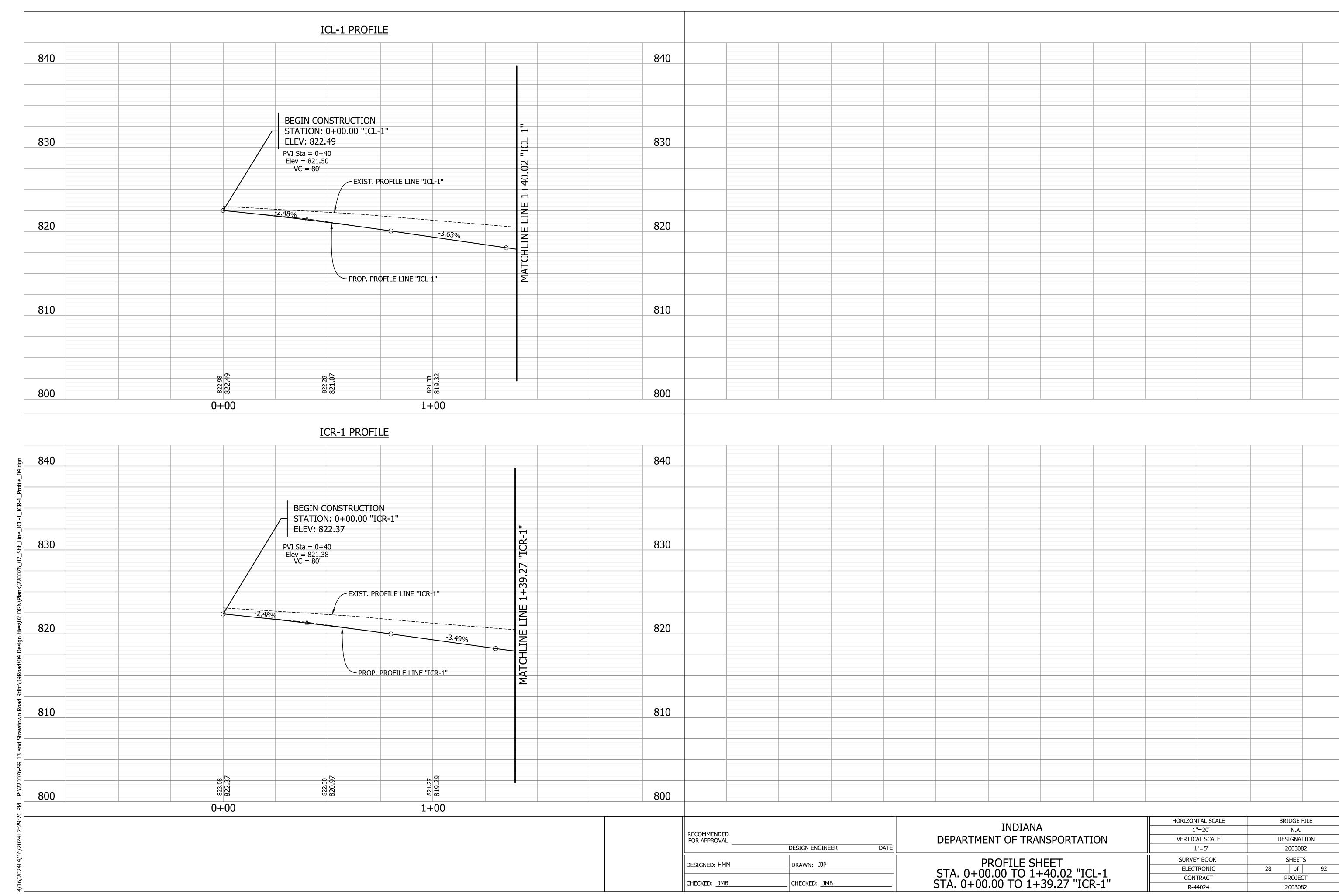


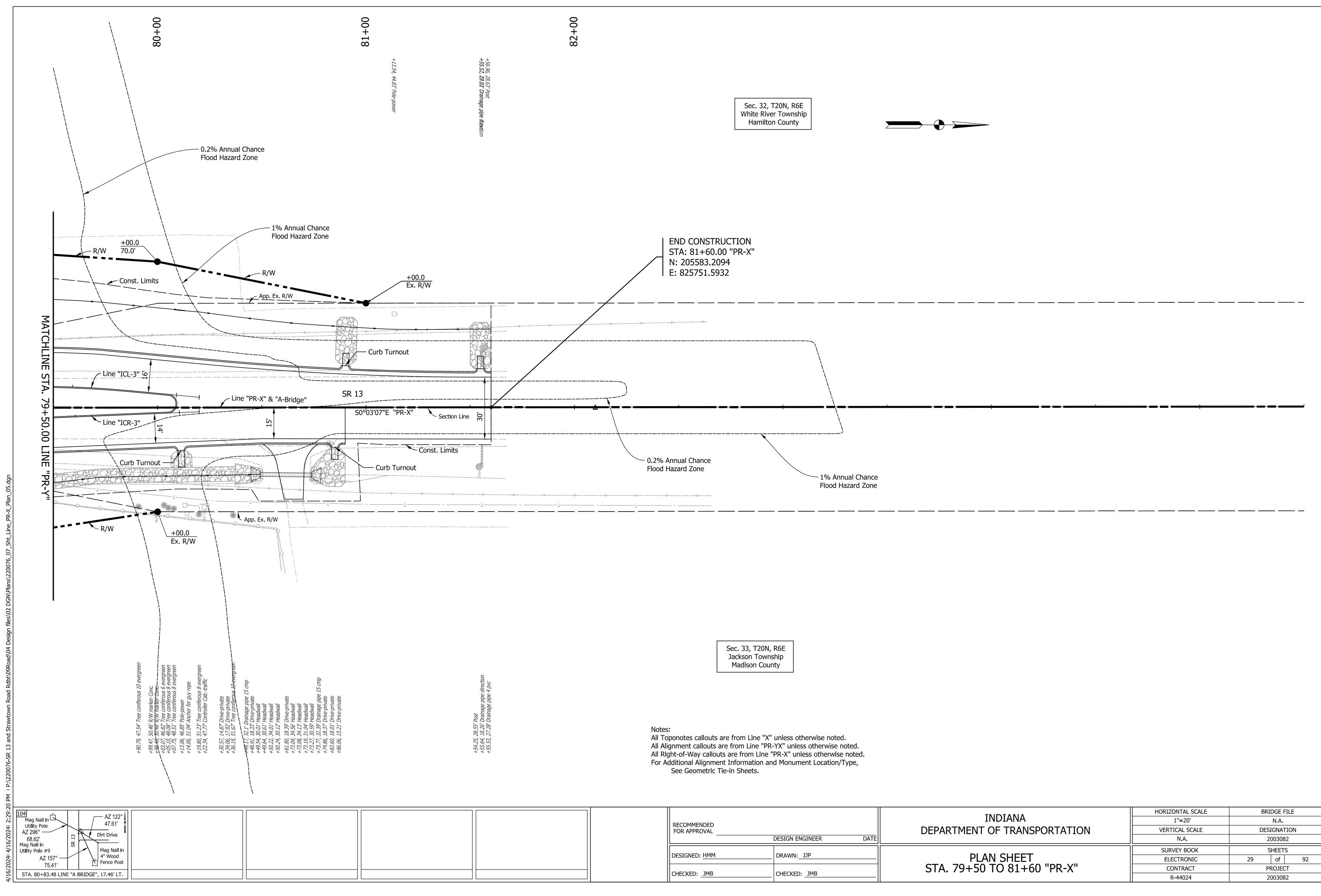


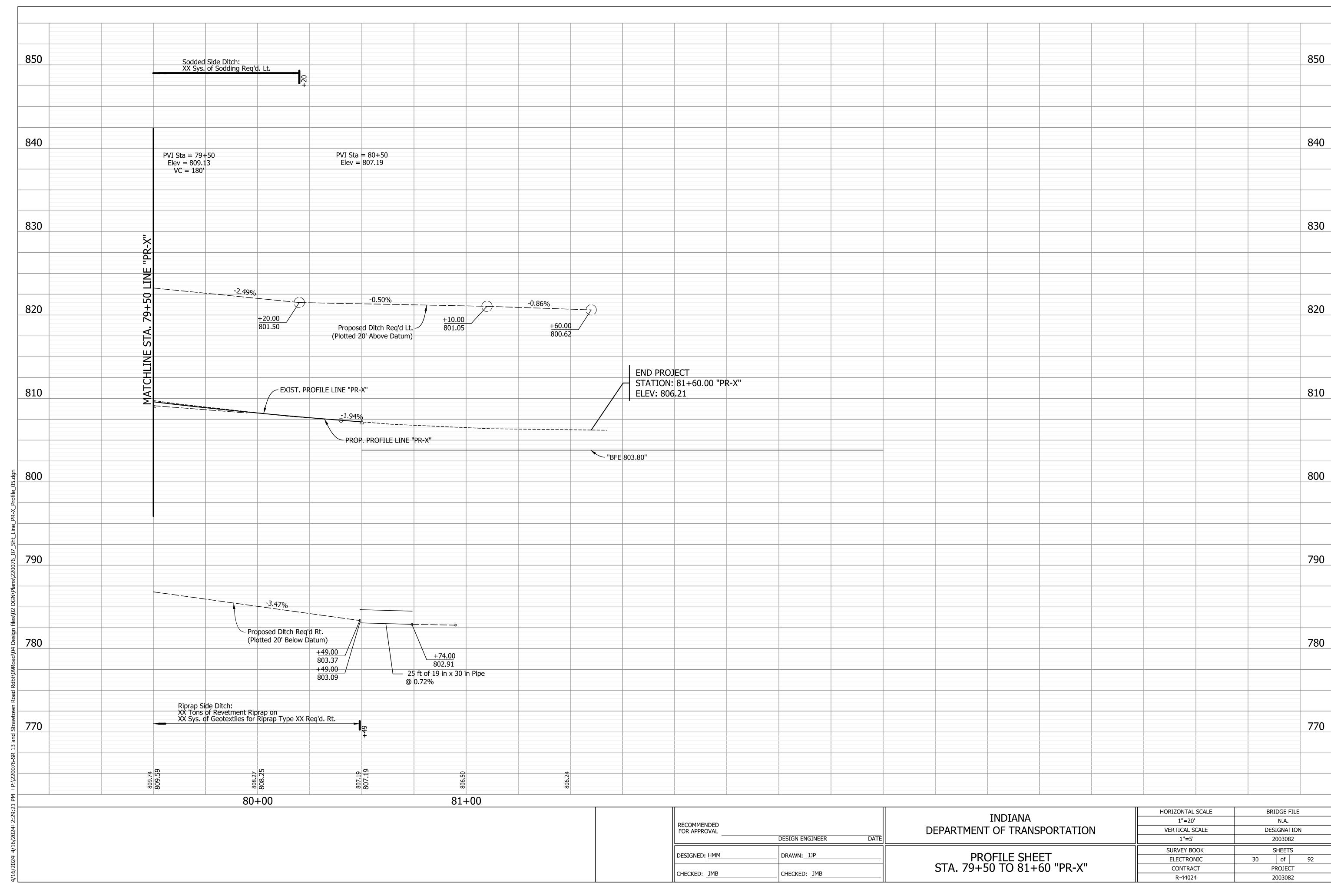


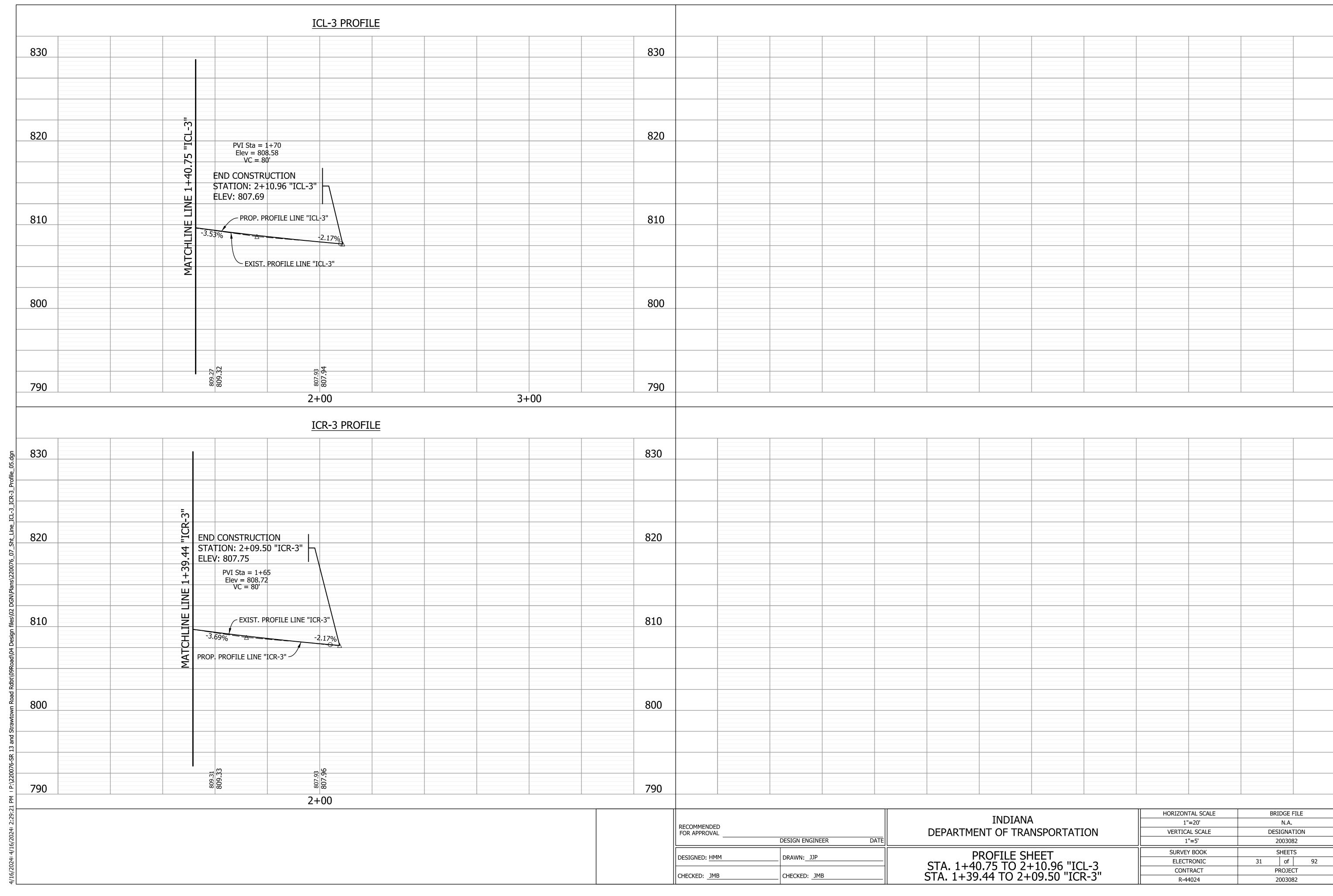


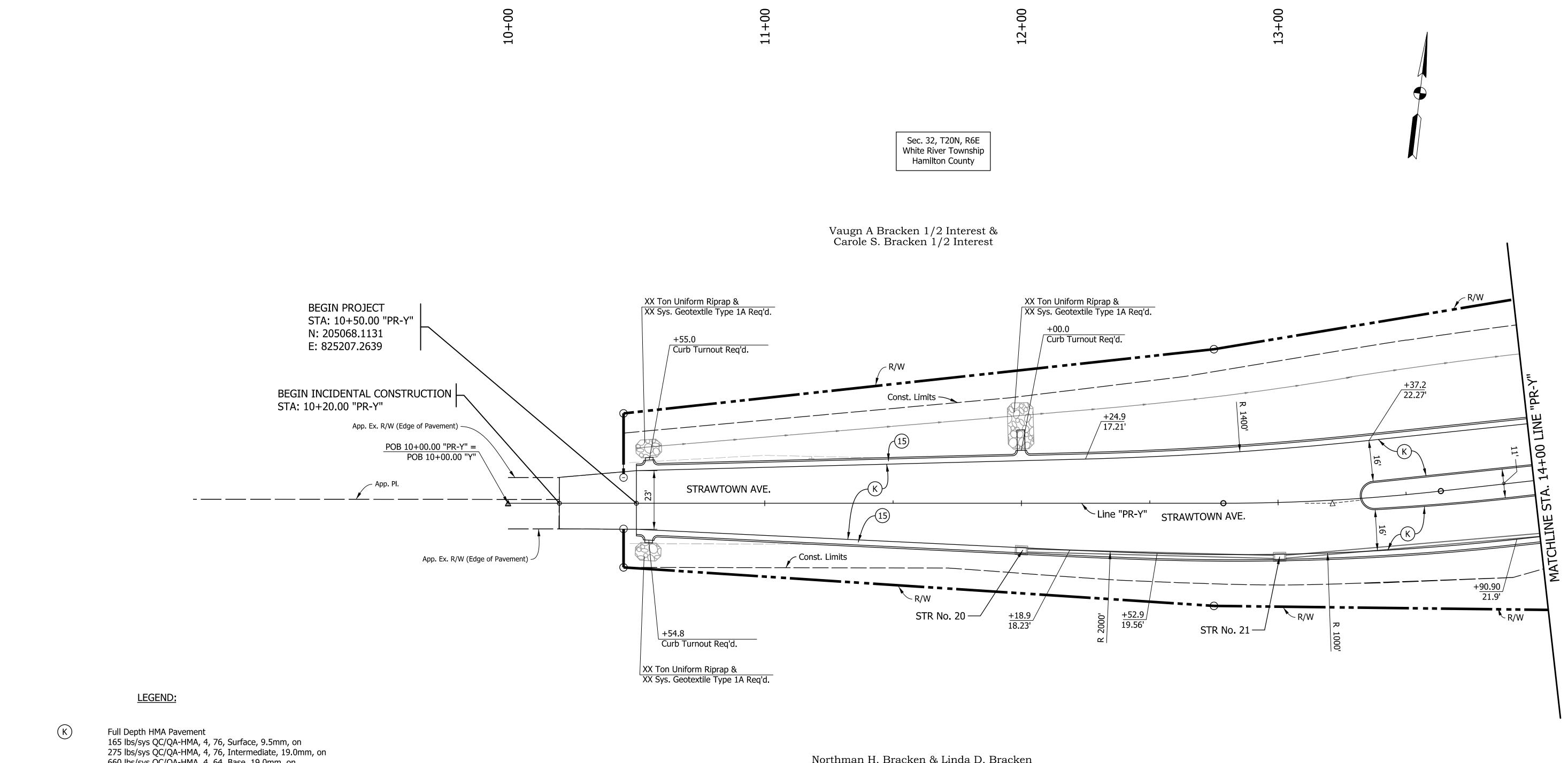












Full Depth HMA Pavement 165 lbs/sys QC/QA-HMA, 4, 76, Surface, 9.5mm, on 275 lbs/sys QC/QA-HMA, 4, 76, Intermediate, 19.0mm, on 660 lbs/sys QC/QA-HMA, 4, 64, Base, 19.0mm, on 6" Compacted Aggregate, No. 53, on Subgrade Treatment, Type IC

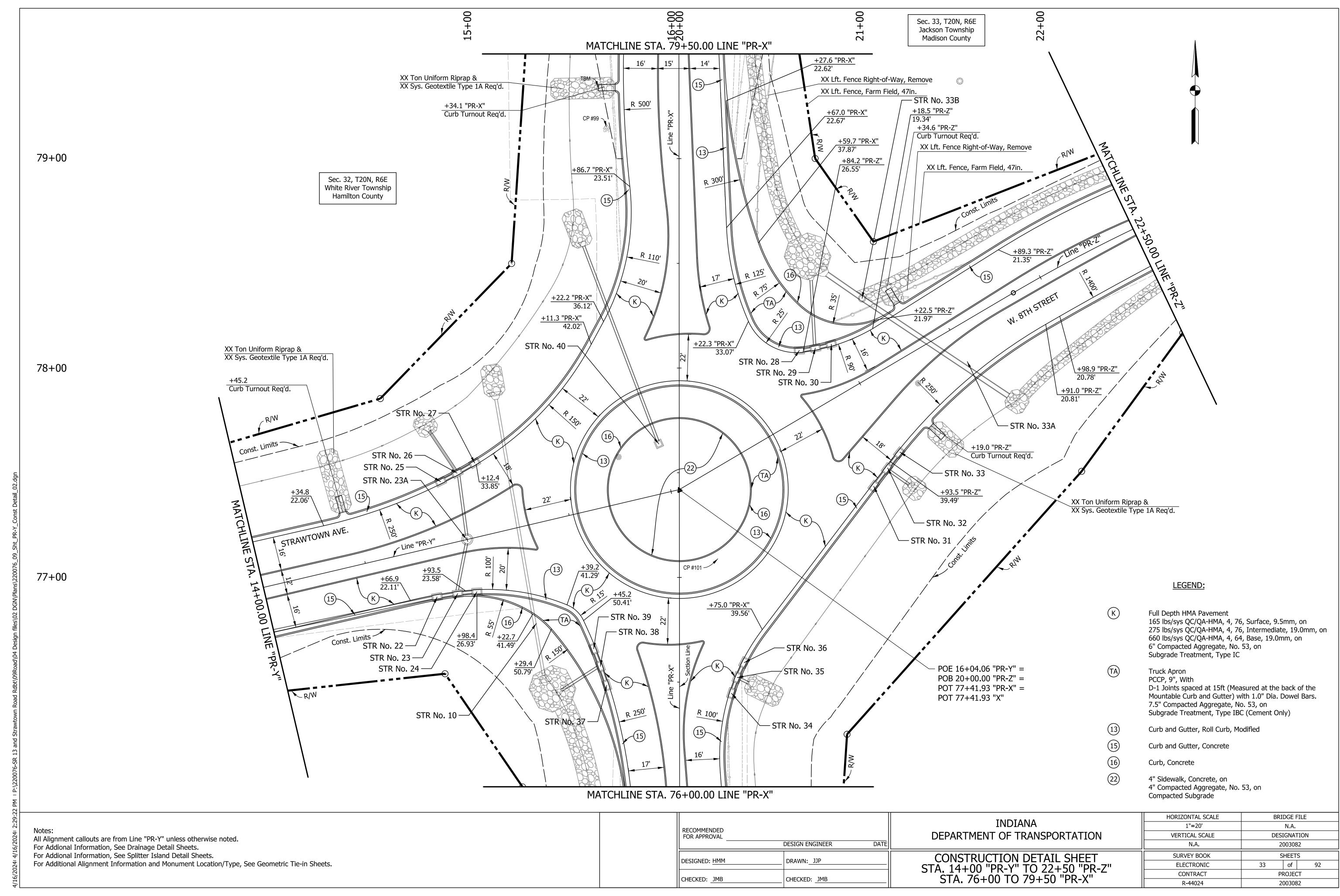
Truck Apron PCCP, 9", With D-1 Joints spaced at 15ft (Measured at the back of the Mountable Curb and Gutter) with 1.0" Dia. Dowel Bars. 7.5" Compacted Aggregate, No. 53, on Subgrade Treatment, Type IBC (Cement Only)

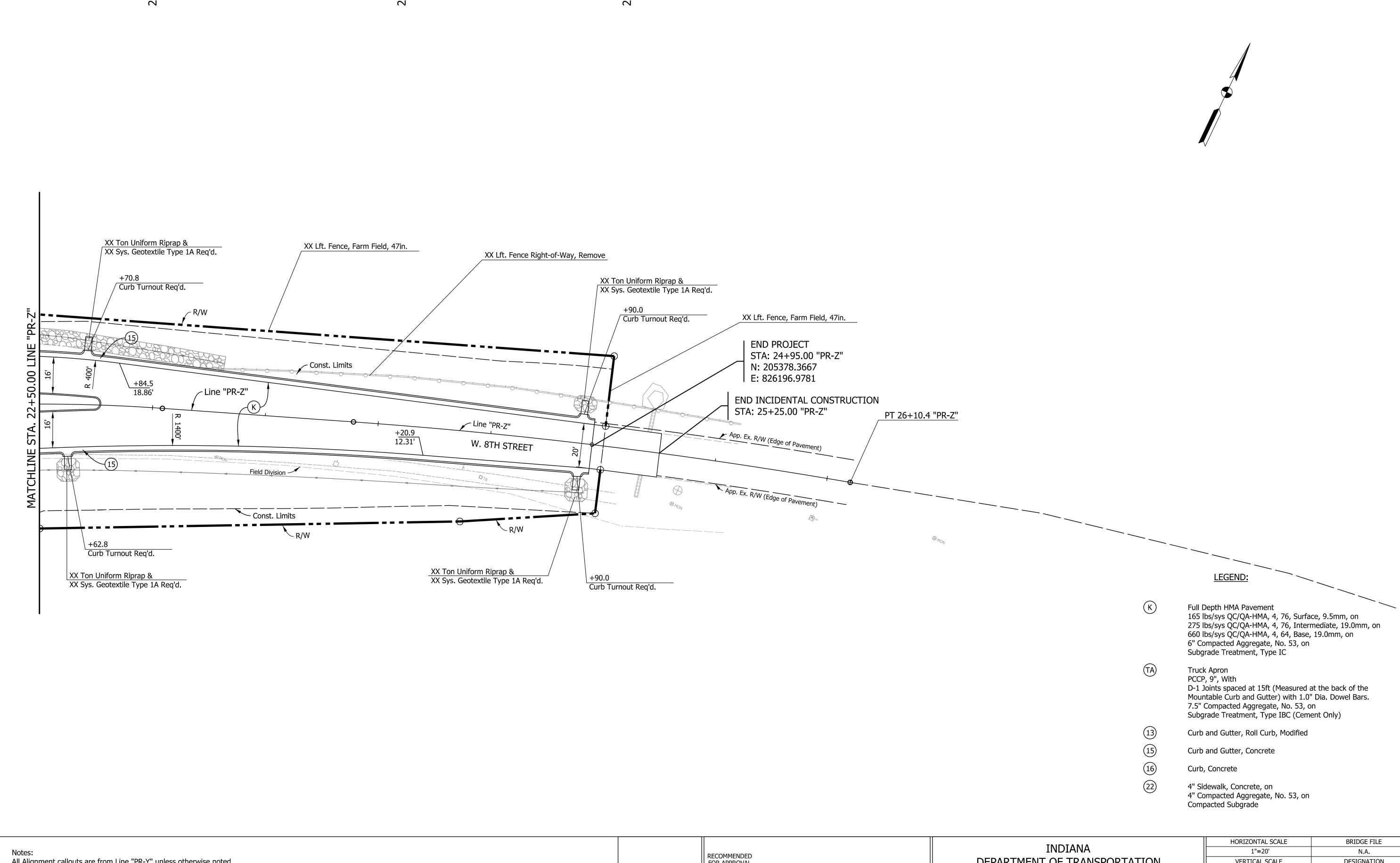
- Curb and Gutter, Roll Curb, Modified
- Curb and Gutter, Concrete
- Curb, Concrete
- 4" Sidewalk, Concrete, on 4" Compacted Aggregate, No. 53, on Compacted Subgrade

Northman H. Bracken & Linda D. Bracken with Life Estate in Favor of Both

All Alignment callouts are from Line "PR-Y" unless otherwise noted.
For Addional Information, See Drainage Detail Sheets.
For Addional Information, See Splitter Island Detail Sheets.
For Additional Alignment Information and Monument Location/Type, See Geometric Tie-in Sheets.

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=20' VERTICAL SCALE N.A.	BRIDGE N.A. DESIGNA 200308	TION
DESIGNED: HMM	DRAWN: JJP	CONSTRUCTION DETAIL SHEET	SURVEY BOOK ELECTRONIC	SHEET 32 of	92
CHECKED: JMB	CHECKED: JMB	STA. 10+00 TO 14+00 "PR-Y"	CONTRACT R-44024	PROJEC 200308	





All Alignment callouts are from Line "PR-Y" unless otherwise noted.

For Addional Information, See Drainage Detail Sheets.

For Addional Information, See Splitter Island Detail Sheets.
For Additional Alignment Information and Monument Location/Type, See Geometric Tie-in Sheets.

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER DATE	:
DESIGNED: HMM	DRAWN:_ JJP	
CHECKED: JMB	CHECKED: JMB	

DEPARTMENT OF TRANSPORTATION CONSTRUCTION DETAIL SHEET STA. 22+50 TO 24+95 "PR-Z"

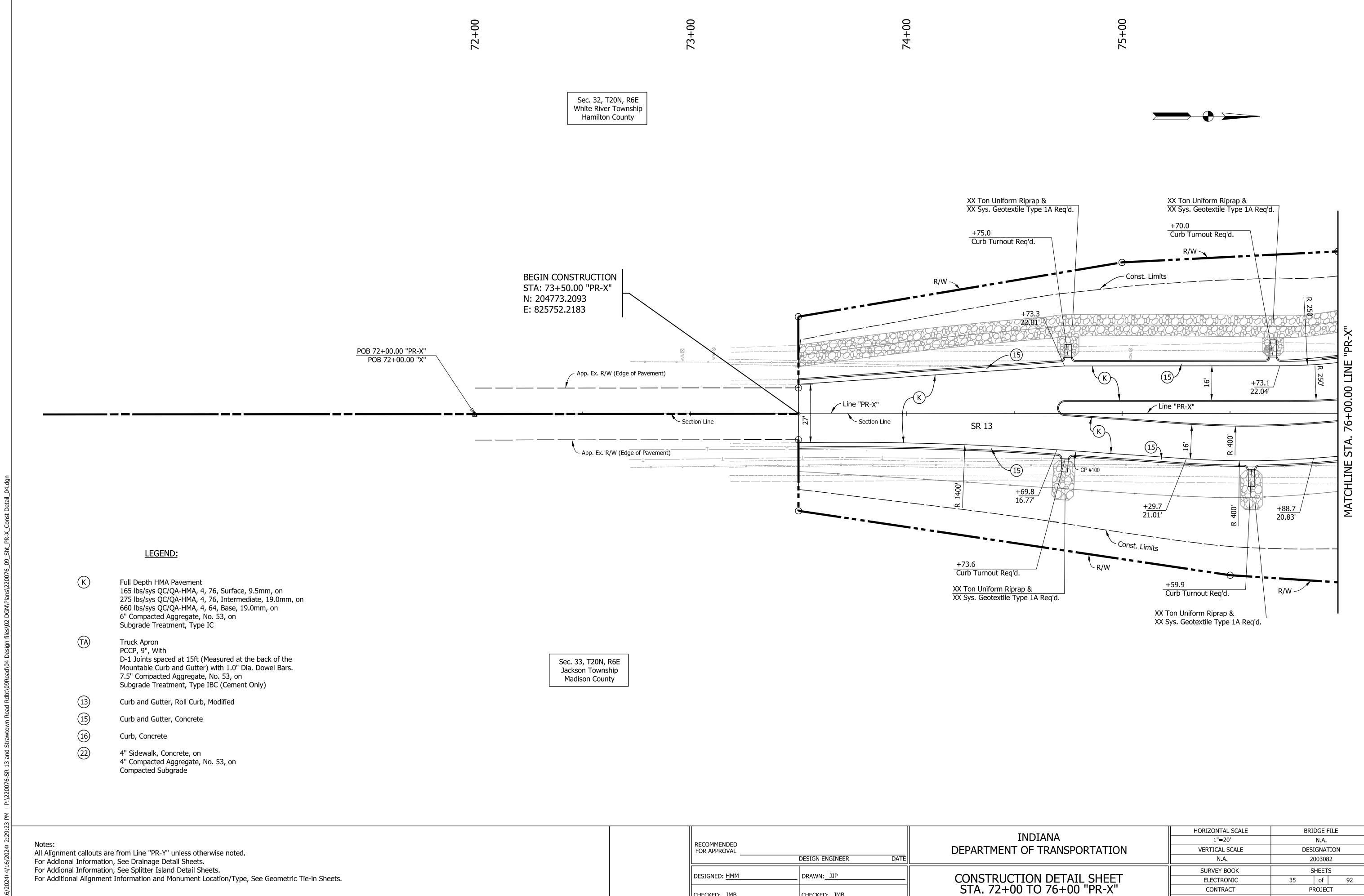
VERTICAL SCALE DESIGNATION N.A. 2003082 SURVEY BOOK SHEETS of ELECTRONIC 34 CONTRACT PROJECT R-44024 2003082

CONTRACT

R-44024

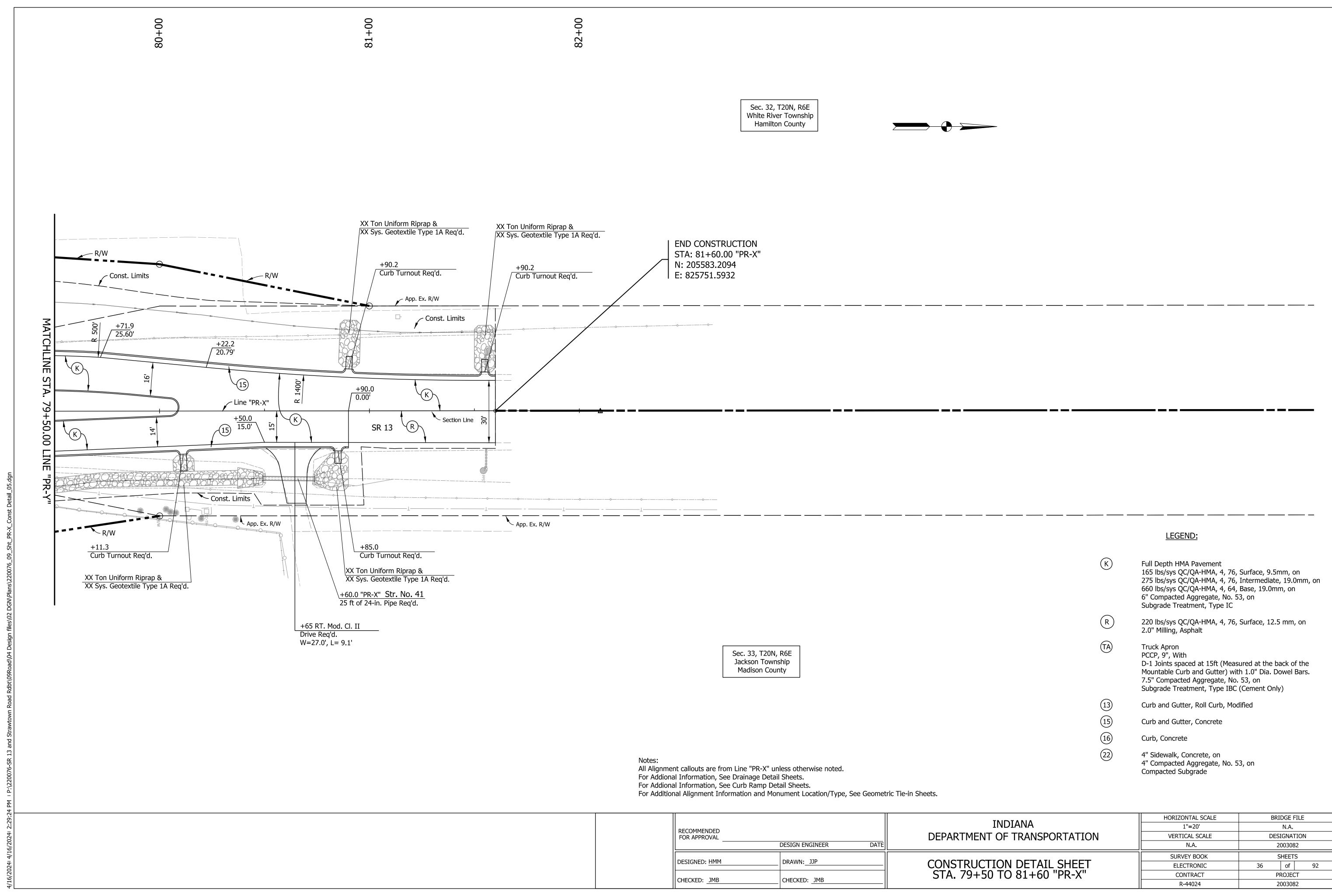
PROJECT

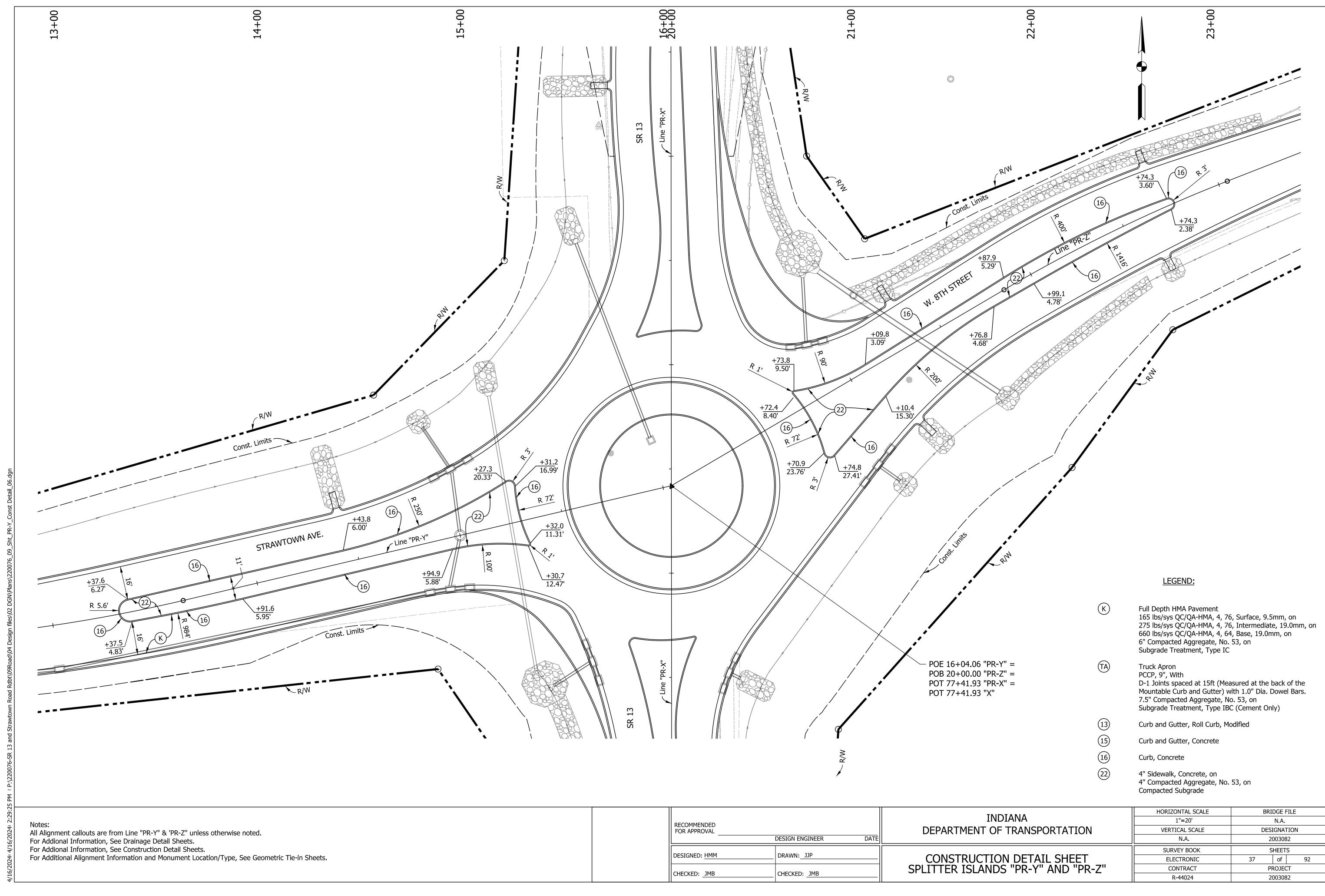
2003082

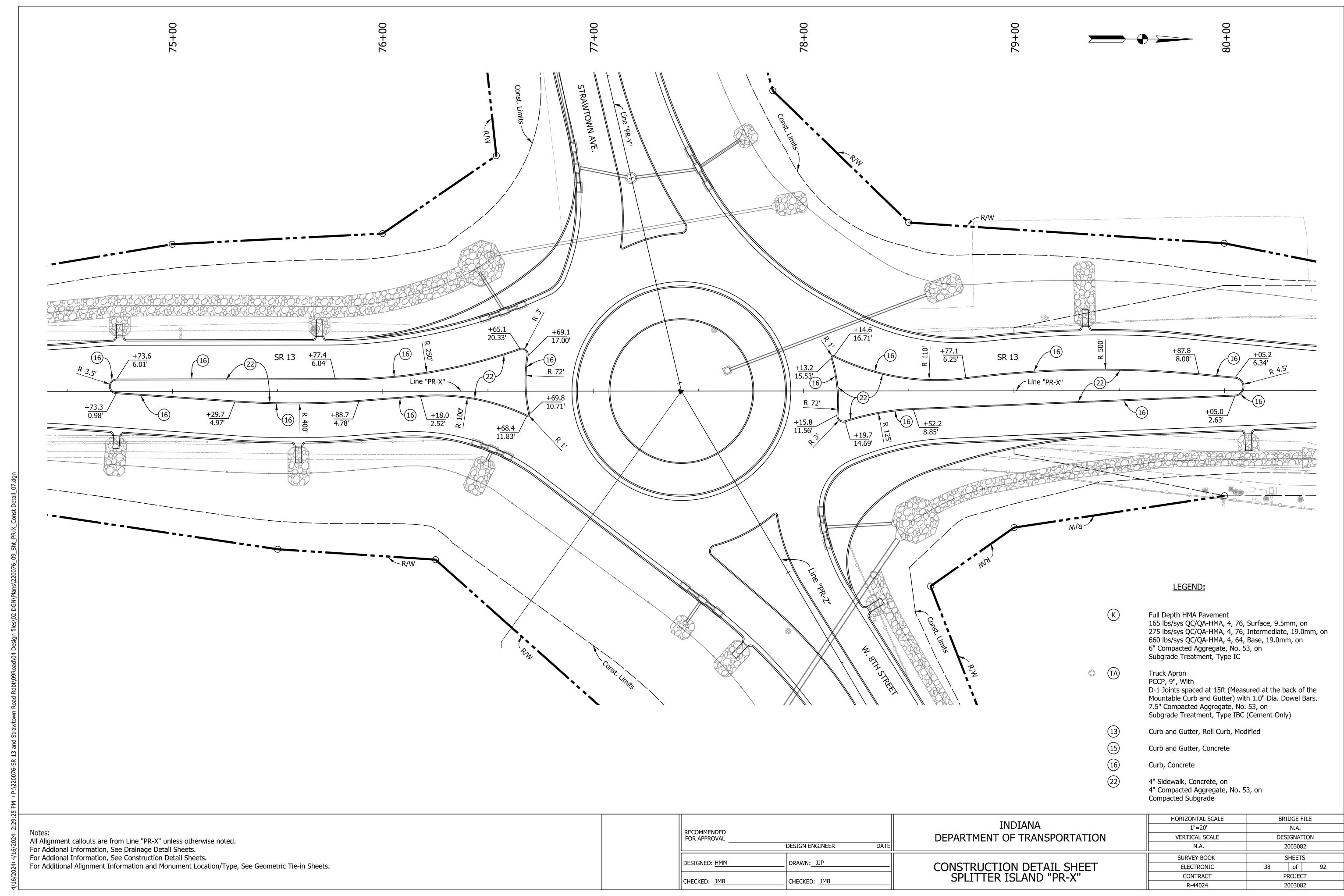


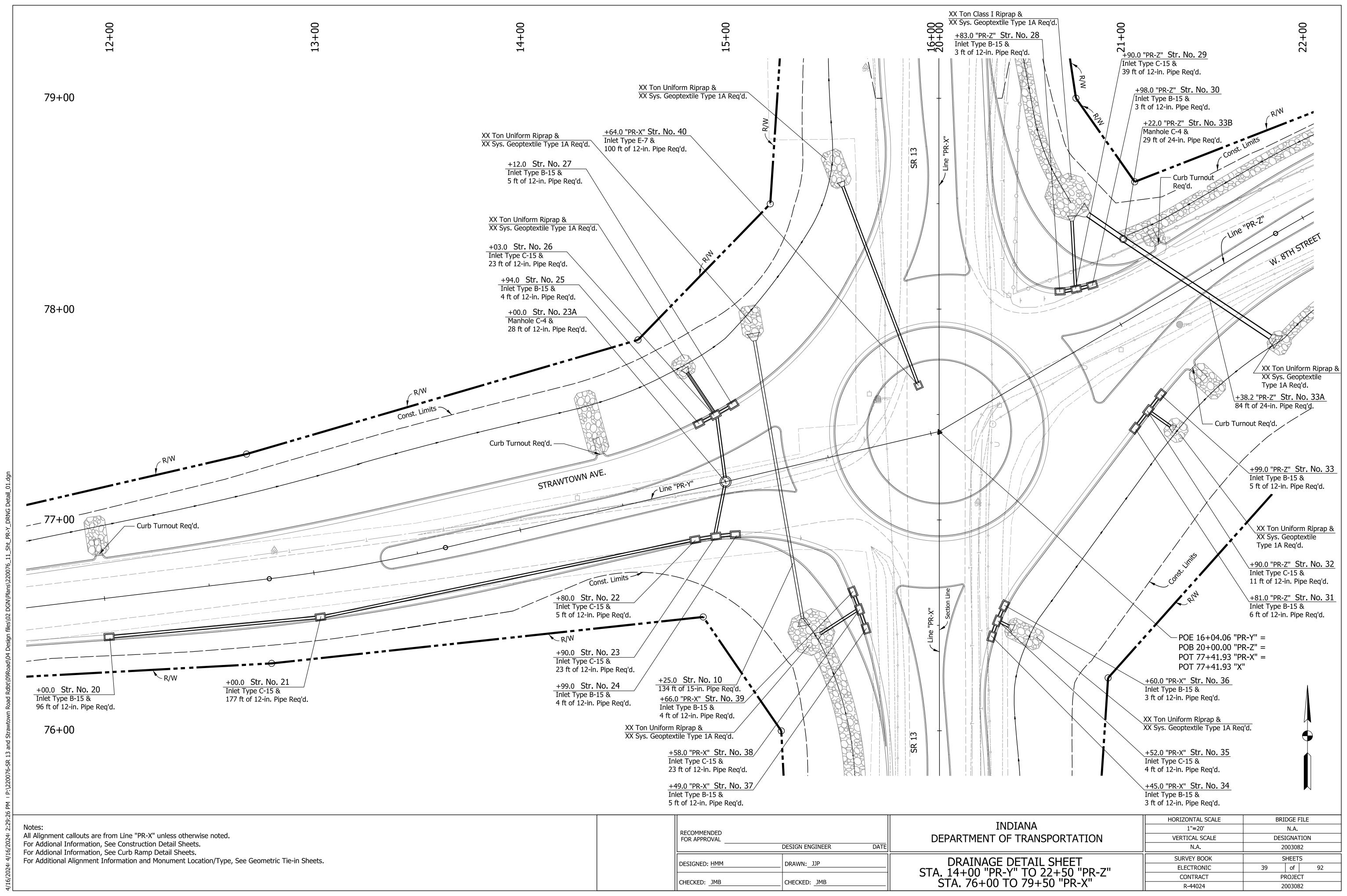
CHECKED: JMB

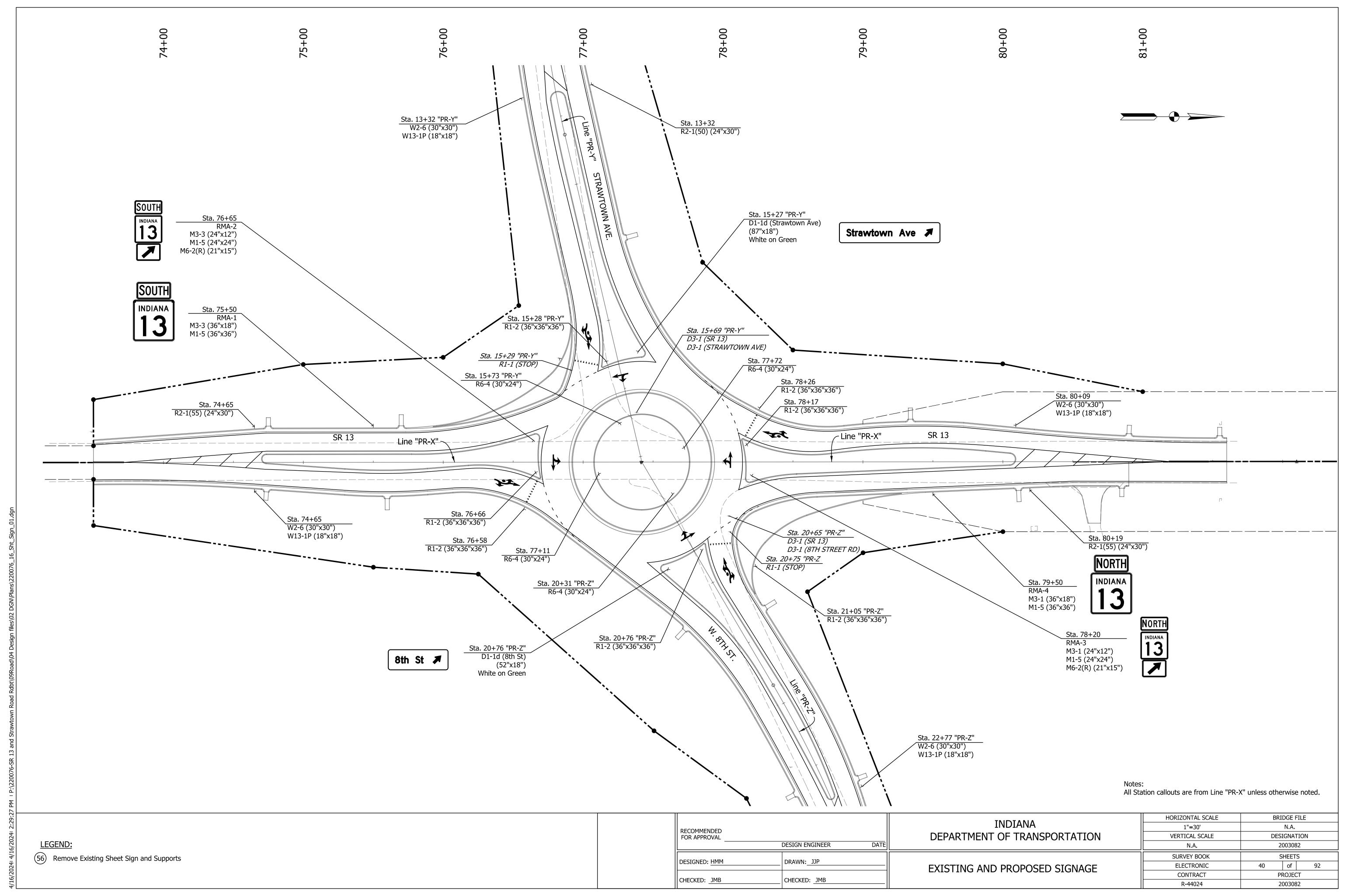
CHECKED: JMB









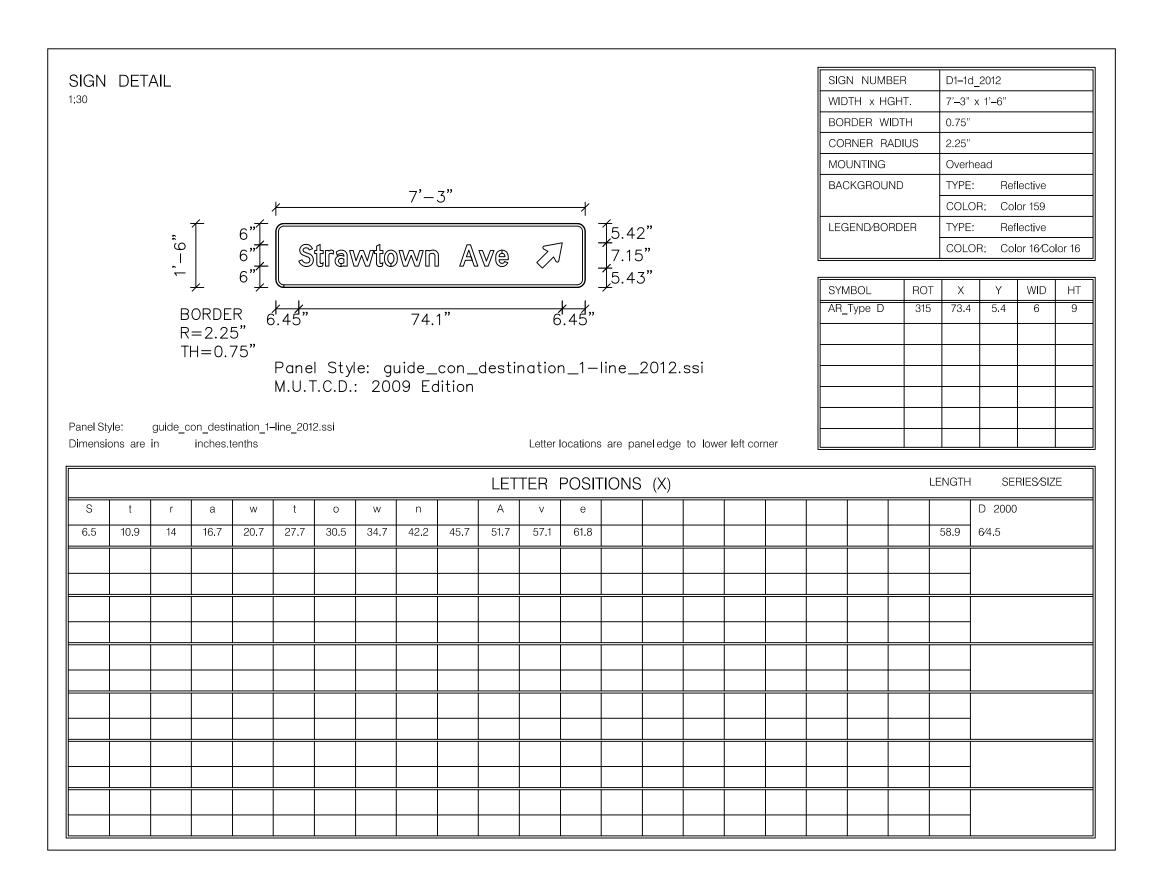


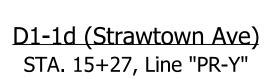
BRIDGE FILE N.A.

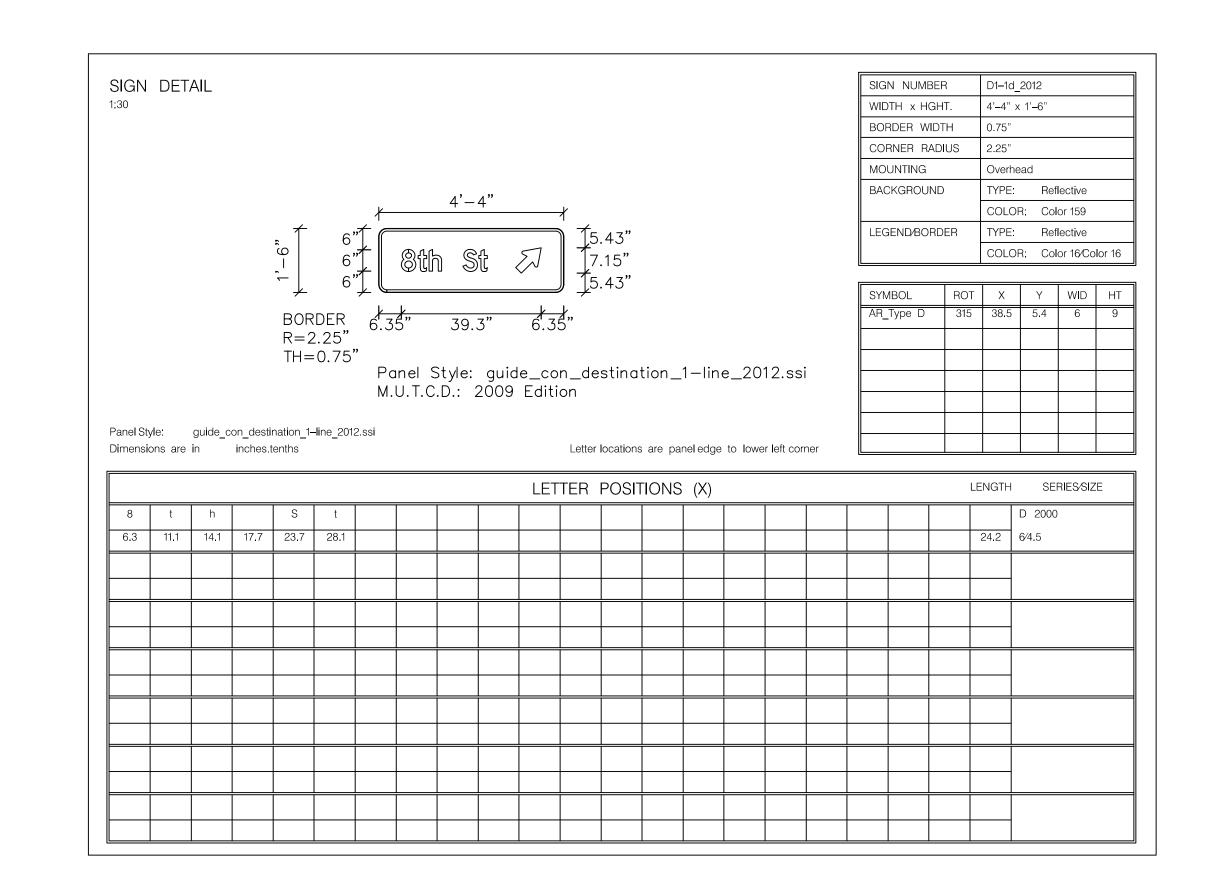
DESIGNATION 2003082 SHEETS

> PROJECT 2003082

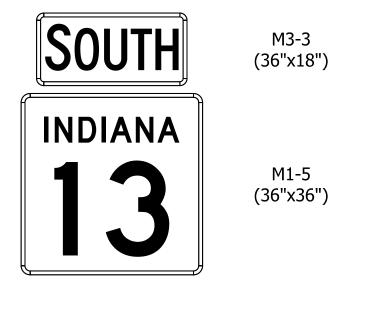
41 of







D1-1d (8th St) STA. 20+75, Line "PR-Z"



RMA-1 STA. 74+65, Line "PR-X"



STA. 76+65, Line "PR-X"

M1-5 (24"x24") M6-2 (21"x15")

M3-3 (24"x12")

RMA-2

NORTH M3-1 (24"x12") INDIANA M1-5 (24"x24") M6-2 (21"x15") RMA-3 STA. 78+20, Line "PR-X"

NORTH INDIANA

M3-1 (36"x18")

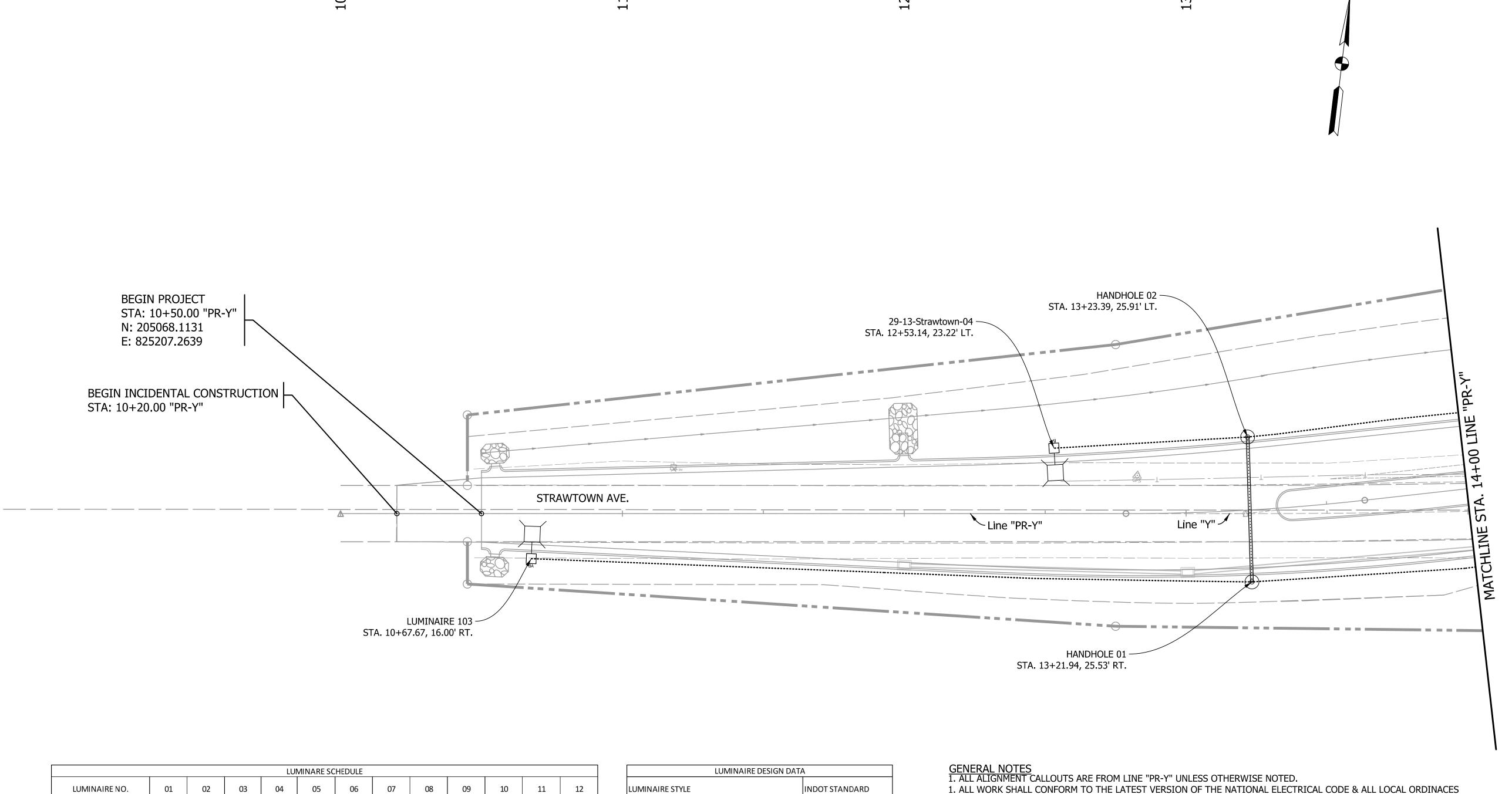
M1-5 (36"x36")

RMA-4 STA. 80+19, Line "PR-X"

RMA Details

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=20' VERTICAL SCALE N.A.
DESIGNED: HMM	DRAWN: JJP	SHEET SIGN & RMA DETAILS	SURVEY BOOK ELECTRONIC
CHECKED: JMB	CHECKED: JMB		CONTRACT R-44024





LUMINAIRE NO.	01	02	03	04	05	06	07	08	09	10	11	12
CONNECTION TYPE	2	2	1	1	2	2	1	2	1	1	2	1
CURCUIT	В	R	В	R	В	R	В	R	В	R	В	R
POLE HEIGHT	40-ft											
MAST ARM LENGTH	8-ft											
BREAKAWAY FOUNDATION	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ

	HANDHOLE SCHEDULE								
	HANDHOLE NO.	01	02	03	04	05	06		
	CONNECTION TYPE.	В	В	Α	В	В	В		
٠									

	SERVICE POINT & CONTROLLER CABINET									
No.	Main Breaker	Branch Circuit	Computed Branch	Branch Circuit						
NO.	Iviaiii breakei	Branch Circuit	Circuit Average	Breaker Rating						
1	100 Amps	Red	11.898 Amps	30 Amps						
1	100 Amps	Black	11.898 Amps	30 Amps						

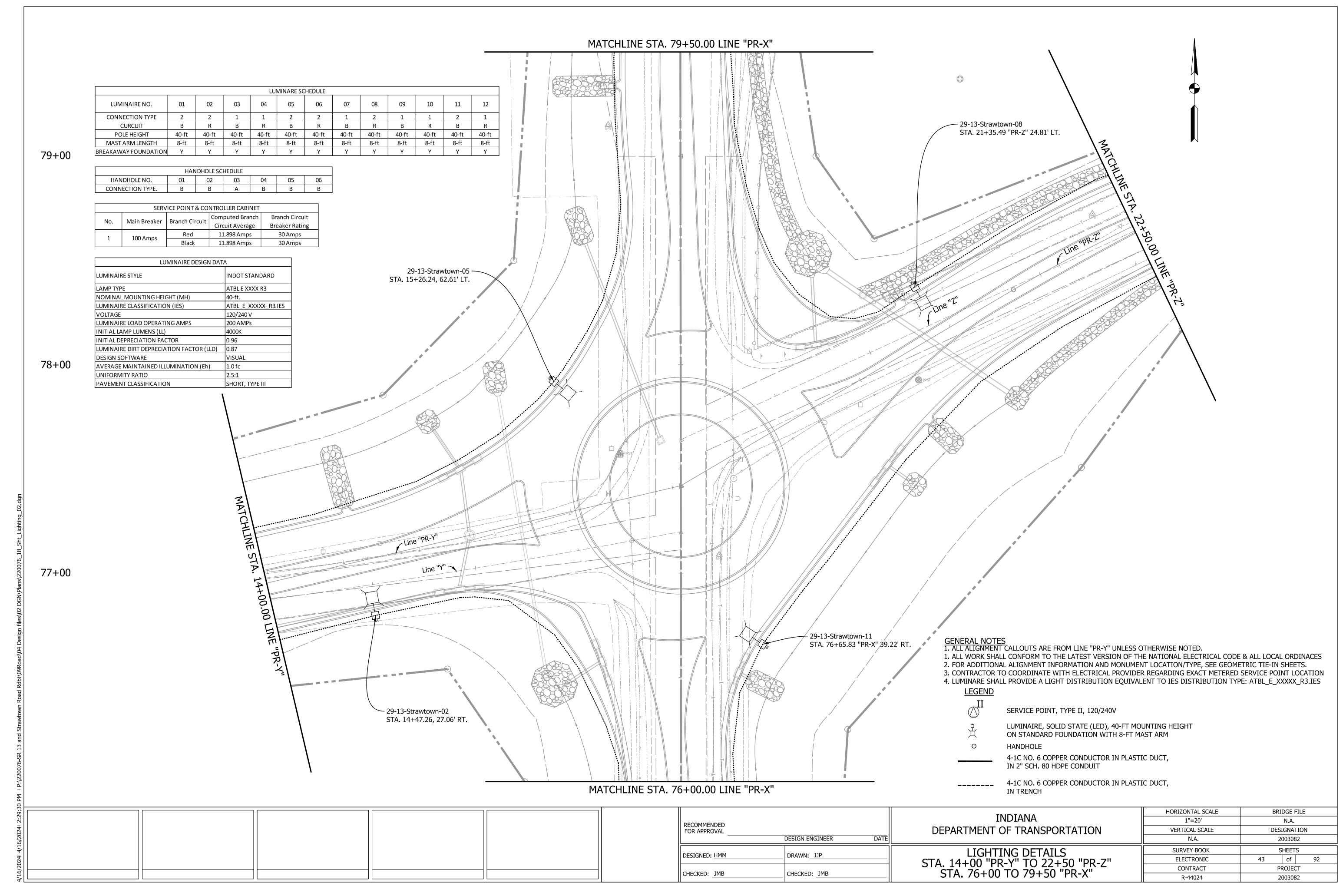
LUMINAIRE DESIGN DAT	TA
LUMINAIRE STYLE	INDOT STANDARD
LAMP TYPE	ATBL E XXXX R3
NOMINAL MOUNTING HEIGHT (MH)	40-ft.
LUMINAIRE CLASSIFICATION (IES)	ATBL_E_XXXXX_R3.IES
VOLTAGE	120/240 V
LUMINAIRE LOAD OPERATING AMPS	200 AMPs
INITIAL LAMP LUMENS (LL)	4000K
INITIAL DEPRECIATION FACTOR	0.96
LUMINAIRE DIRT DEPRECIATION FACTOR (LLD)	0.87
DESIGN SOFTWARE	VISUAL
AVERAGE MAINTAINED ILLUMINATION (Eh)	1.0 fc
UNIFORMITY RATIO	2.5:1
PAVEMENT CLASSIFICATION	SHORT, TYPE III

1. ALL ALIGNMENT CALLOUTS ARE FROM LINE "PR-Y" UNLESS OTHERWISE NOTED.
1. ALL WORK SHALL CONFORM TO THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE & ALL LOCAL ORDINACES
2. FOR ADDITIONAL ALIGNMENT INFORMATION AND MONUMENT LOCATION/TYPE, SEE GEOMETRIC TIE-IN SHEETS.
3. CONTRACTOR TO COORDINATE WITH ELECTRICAL PROVIDER REGARDING EXACT METERED SERVICE POINT LOCATION
4. LUMINARE SHALL PROVIDE A LIGHT DISTRIBUTION EQUIVALENT TO IES DISTRIBUTION TYPE: ATBL_E_XXXXX_R3.IES
LEGEND

SERVICE POINT, TYPE II, 120/240V LUMINAIRE, SOLID STATE (LED), 40-FT MOUNTING HEIGHT ON STANDARD FOUNDATION WITH 8-FT MAST ARM HANDHOLE 4-1C NO. 6 COPPER CONDUCTOR IN PLASTIC DUCT, IN 2" SCH. 80 HDPE CONDUIT

4-1C NO. 6 COPPER CONDUCTOR IN PLASTIC DUCT, -----IN TRENCH

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=20' VERTICAL SCALE N.A.	BRIDGE FILE N.A. DESIGNATION 2003082
DECICNED, HMM	DRAWNI, 11D	LICUTING DETAILS	SURVEY BOOK	SHEETS
DESIGNED: HMM	DRAWN: JJP	LIGHTING DETAILS	ELECTRONIC	42 of 92
		STA. 10+00 TO 14+00 "PR-Y"	CONTRACT	PROJECT



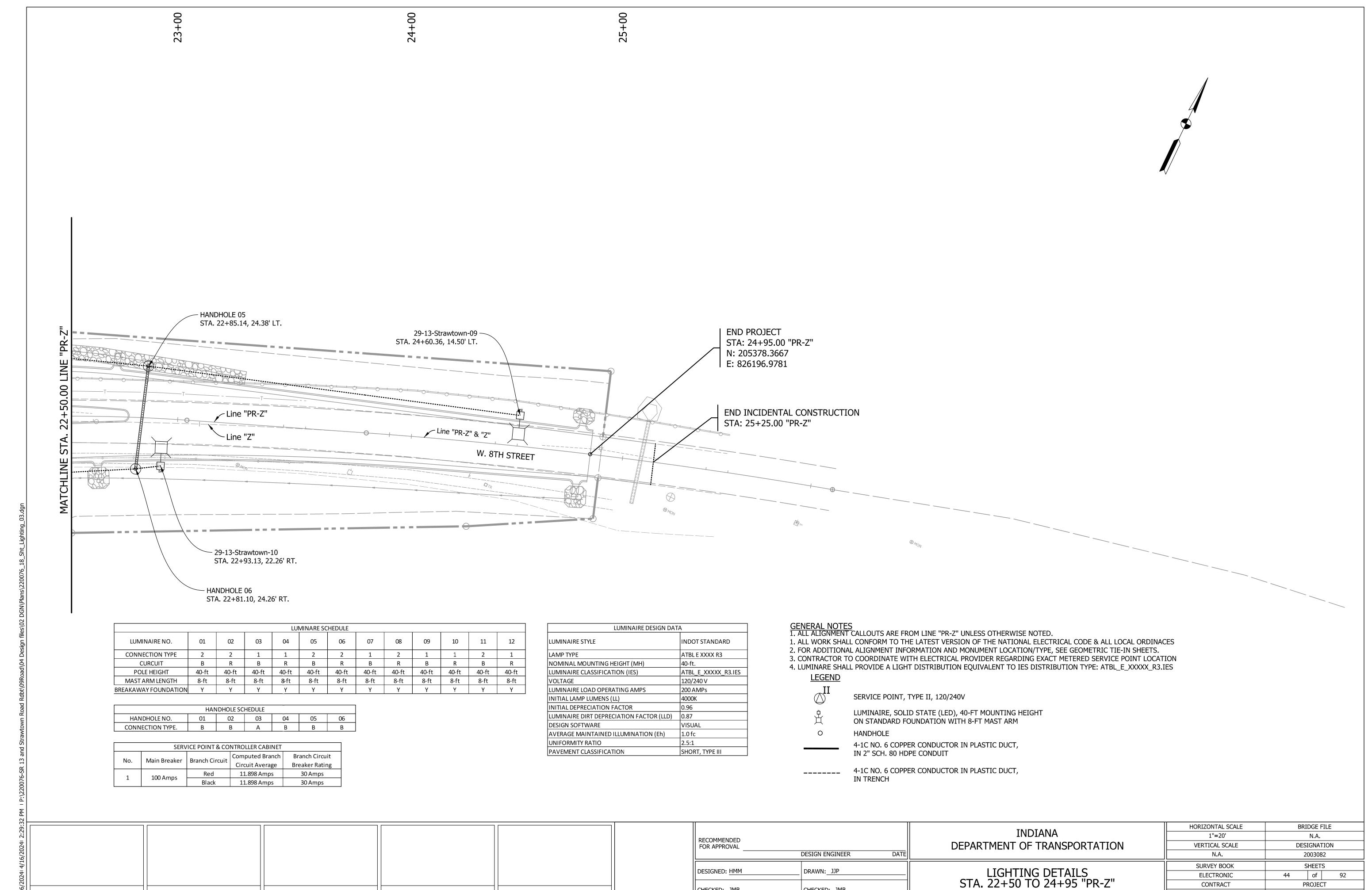
44 of

PROJECT

2003082

ELECTRONIC CONTRACT

R-44024



CHECKED: JMB

CHECKED: JMB

	LUMINARE SCHEDULE											
LUMINAIRE NO.	01	02	03	04	05	06	07	08	09	10	11	12
CONNECTION TYPE	2	2	1	1	2	2	1	2	1	1	2	1
CURCUIT	В	R	В	R	В	R	В	R	В	R	В	R
POLE HEIGHT	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft	40-ft
MAST ARM LENGTH	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft
BREAKAWAY FOUNDATION	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ

HANDHOLE SCHEDULE						
HANDHOLE NO.	01	02	03	04	05	06
CONNECTION TYPE.	В	В	Α	В	В	В

	SERVICE POINT & CONTROLLER CABINET									
	No.	Main Breaker	Branch Circuit	Computed Branch	Branch Circuit					
	NO.	Main Breaker	Branch Circuit	Circuit Average	Breaker Rating					
	1	100 Amps	Red	11.898 Amps	30 Amps					
	1	100 Amps	Black	11.898 Amps	30 Amps					

LUMINAIRE DESIGN DAT	Ā
LUMINAIRE STYLE	INDOT STANDARD
LAMP TYPE	ATBL E XXXX R3
NOMINAL MOUNTING HEIGHT (MH)	40-ft.
LUMINAIRE CLASSIFICATION (IES)	ATBL_E_XXXXX_R3.IES
VOLTAGE	120/240 V
LUMINAIRE LOAD OPERATING AMPS	200 AMPs
INITIAL LAMP LUMENS (LL)	4000K
INITIAL DEPRECIATION FACTOR	0.96
LUMINAIRE DIRT DEPRECIATION FACTOR (LLD)	0.87
DESIGN SOFTWARE	VISUAL
AVERAGE MAINTAINED ILLUMINATION (Eh)	1.0 fc
UNIFORMITY RATIO	2.5:1
PAVEMENT CLASSIFICATION	SHORT, TYPE III

<u>LEGEND</u>

SERVICE POINT, TYPE II, 120/240V

HANDHOLE

LUMINAIRE, SOLID STATE (LED), 40-FT MOUNTING HEIGHT ON STANDARD FOUNDATION WITH 8-FT MAST ARM

4-1C NO. 6 COPPER CONDUCTOR IN PLASTIC DUCT, IN 2" SCH. 80 HDPE CONDUIT

4-1C NO. 6 COPPER CONDUCTOR IN PLASTIC DUCT, IN TRENCH

RECOMMENDED FOR APPROVAL DESIGN ENGIN	IEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=20' VERTICAL SCALE N.A.	DES	RIDGE FILE N.A. SIGNATION 2003082	
DESIGNED: HMM DRAWN: JJP	DRAWN: JJP LIGHTING DETAILS	SURVEY BOOK	SHEETS			
DESIGNED: 1111111 DRAWN. 331			ELECTRONIC	45 of		92
CHECKED IMP	AD.	STA. 72+00 TO 76+00 "PR-X"	CONTRACT	PROJECT		
CHECKED: JMB CHECKED: JN	AR AR		R-44024	2003082		

IN 2" SCH. 80 HDPE CONDUIT Circuit Average Breaker Rating 4-1C NO. 6 COPPER CONDUCTOR IN PLASTIC DUCT, Red 11.898 Amps 100 Amps IN TRENCH 11.898 Amps 30 Amps HORIZONTAL SCALE **BRIDGE FILE** INDIANA 1"=20' N.A. RECOMMENDED DEPARTMENT OF TRANSPORTATION VERTICAL SCALE DESIGNATION FOR APPROVAL DESIGN ENGINEER N.A. 2003082 SURVEY BOOK SHEETS LIGHTING DETAILS STA. 79+50 TO 81+60 "PR-X" DESIGNED: HMM DRAWN: JJP 46 of **ELECTRONIC** CONTRACT PROJECT CHECKED: JMB CHECKED: JMB R-44024 2003082

MAST ARM LENGTH	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-ft	8-f1
BREAKAWAY FOUNDATION	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
	HAN	IDHOLE SC	HEDULE	*****								
HANDHOLE NO.	01	02	03	04	05	06						
CONNECTION TYPE.	В	В	Α	В	В	В						
							•					
SERVI	CE POINT	& CONTRO	LLER CABI	NET								

LUMINARE SCHEDULE

80

1 2 1

B R

40-ft 40-ft

__ Line "PR-X" & "A-Bridge"

HAN	IDHOLE NO.	01	02	03	04	05	0	6
CONN	IECTION TYPE.	В	В	Α	В	В	Е	3
	SERV	ICE POINT	& CONTRO	LLER CABI	NET			
No.	Main Breaker	Branch Cir	Com	puted Brai	nch	Branch Circu	it	

02

HANDHOLE 04 -

LUMINAIRE NO.

CONNECTION TYPE

CURCUIT

POLE HEIGHT

STA. 80+17.91, 21.32 RT.

- 29-13-Strawtown-06 STA. 79+71.58, 30.62 LT.

- HANDHOLE 03

STA. 80+17.88, 26.43 LT.

LUMINAIRE STYLE	INDOT STANDARD
LAMP TYPE	ATBL E XXXX R3
NOMINAL MOUNTING HEIGHT (MH)	40-ft.
LUMINAIRE CLASSIFICATION (IES)	ATBL_E_XXXXX_R3.IES
VOLTAGE	120/240 V
LUMINAIRE LOAD OPERATING AMPS	200 AMPs
INITIAL LAMP LUMENS (LL)	4000K
INITIAL DEPRECIATION FACTOR	0.96
LUMINAIRE DIRT DEPRECIATION FACTOR (LLD)	0.87
DESIGN SOFTWARE	VISUAL
AVERAGE MAINTAINED ILLUMINATION (Eh)	1.0 fc
UNIFORMITY RATIO	2.5:1
PAVEMENT CLASSIFICATION	SHORT, TYPE III

LUMINAIRE DESIGN DATA

- 29-13-Strawtown-07

STA. 81+29.75, 20.18 RT.

LUMINAIRE STYLE	INDOT STANDARD
LAMP TYPE	ATBL E XXXX R3
NOMINAL MOUNTING HEIGHT (MH)	40-ft.
LUMINAIRE CLASSIFICATION (IES)	ATBL_E_XXXXX_R3.IES
VOLTAGE	120/240 V
LUMINAIRE LOAD OPERATING AMPS	200 AMPs
INITIAL LAMP LUMENS (LL)	4000K
INITIAL DEPRECIATION FACTOR	0.96
LUMINAIRE DIRT DEPRECIATION FACTOR (LLD)	0.87
DESIGN SOFTWARE	VISUAL
AVERAGE MAINTAINED ILLUMINATION (Eh)	1.0 fc
UNIFORMITY RATIO	2.5:1
PAVEMENT CLASSIFICATION	SHORT, TYPE III

		2 FOR ADDITION	AL ALICNMENT INFORMATION AND MONUMENT LOCATION/TYPE CEF CEOMETRIC TIE IN CHEFTS
PE	ATBL E XXXX R3		AL ALIGNMENT INFORMATION AND MONUMENT LOCATION/TYPE, SEE GEOMETRIC TIE-IN SHEETS. FO COORDINATE WITH ELECTRICAL PROVIDER REGARDING EXACT METERED SERVICE POINT LOCATION
L MOUNTING HEIGHT (MH)	40-ft.		LL PROVIDE A LIGHT DISTRIBUTION EQUIVALENT TO IES DISTRIBUTION TYPE: ATBL_E_XXXXX_R3.IES
RE CLASSIFICATION (IES)	ATBL_E_XXXXX_R3.IES		LE PROVIDE A LIGHT DISTRIBUTION EQUIVALENT TO LES DISTRIBUTION TIFE. ATBL_L_XXXXX_RS.IES
	120/240 V	<u>LEGEND</u>	
RE LOAD OPERATING AMPS	200 AMPs	II	
AMP LUMENS (LL)	4000K		SERVICE POINT, TYPE II, 120/240V
EPRECIATION FACTOR	0.96		LUMINATOR COLID CTATE (LED), 40 FT MOUNTING LIFECUT
RE DIRT DEPRECIATION FACTOR (LLD)	0.87]	LUMINAIRE, SOLID STATE (LED), 40-FT MOUNTING HEIGHT
OFTWARE	VISUAL		ON STANDARD FOUNDATION WITH 8-FT MAST ARM
MAINTAINED ILLUMINATION (Eh)	1.0 fc	0	HANDHOLE
1ITY RATIO	2.5:1		4-1C NO. 6 COPPER CONDUCTOR IN PLASTIC DUCT,
	1		

END CONSTRUCTION STA: 81+60.00 "PR-X"

N: 205583.2094

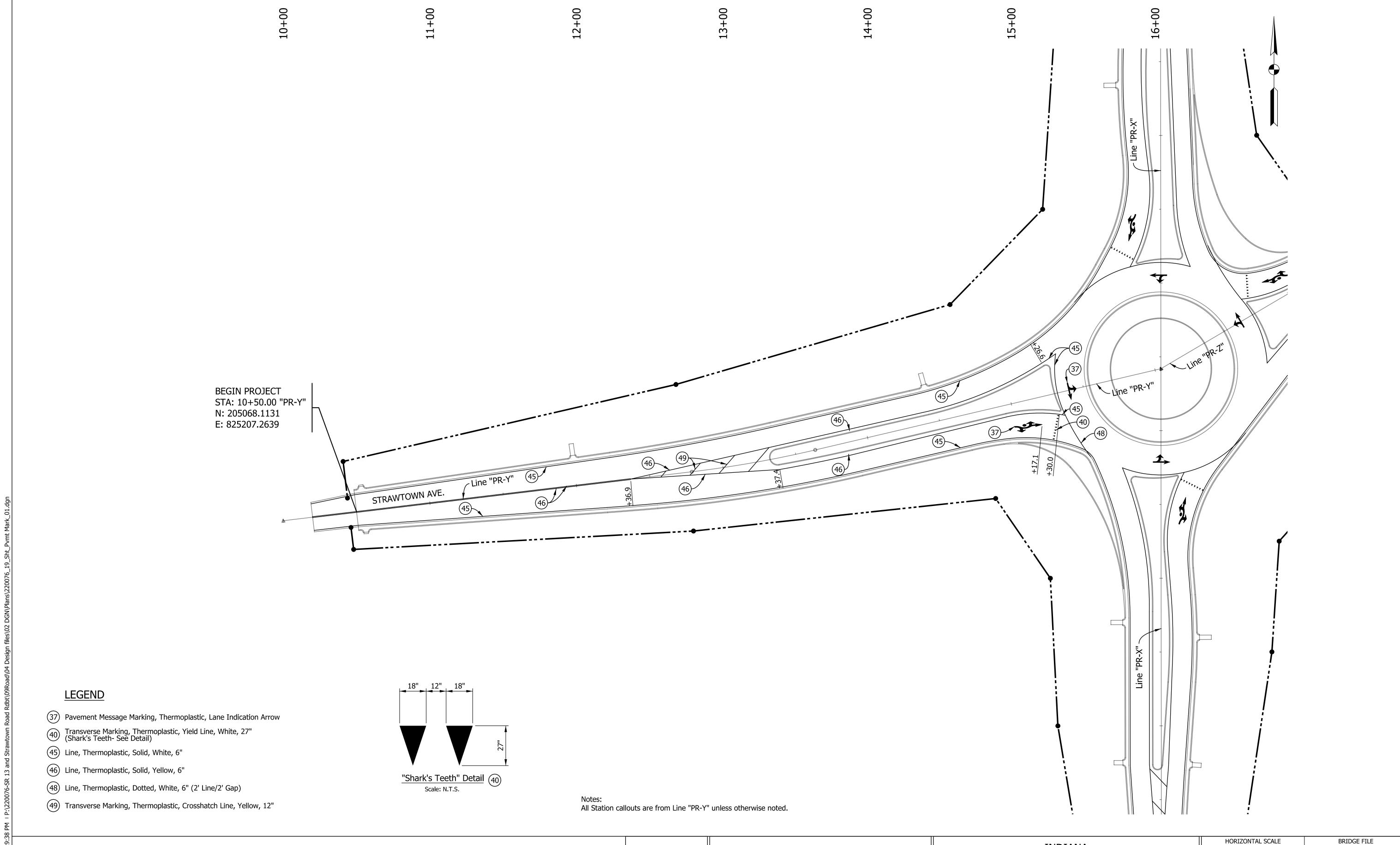
E: 825751.5932

0-FT MOUNTING HEIGHT 18-FT MAST ARM N PLASTIC DUCT,

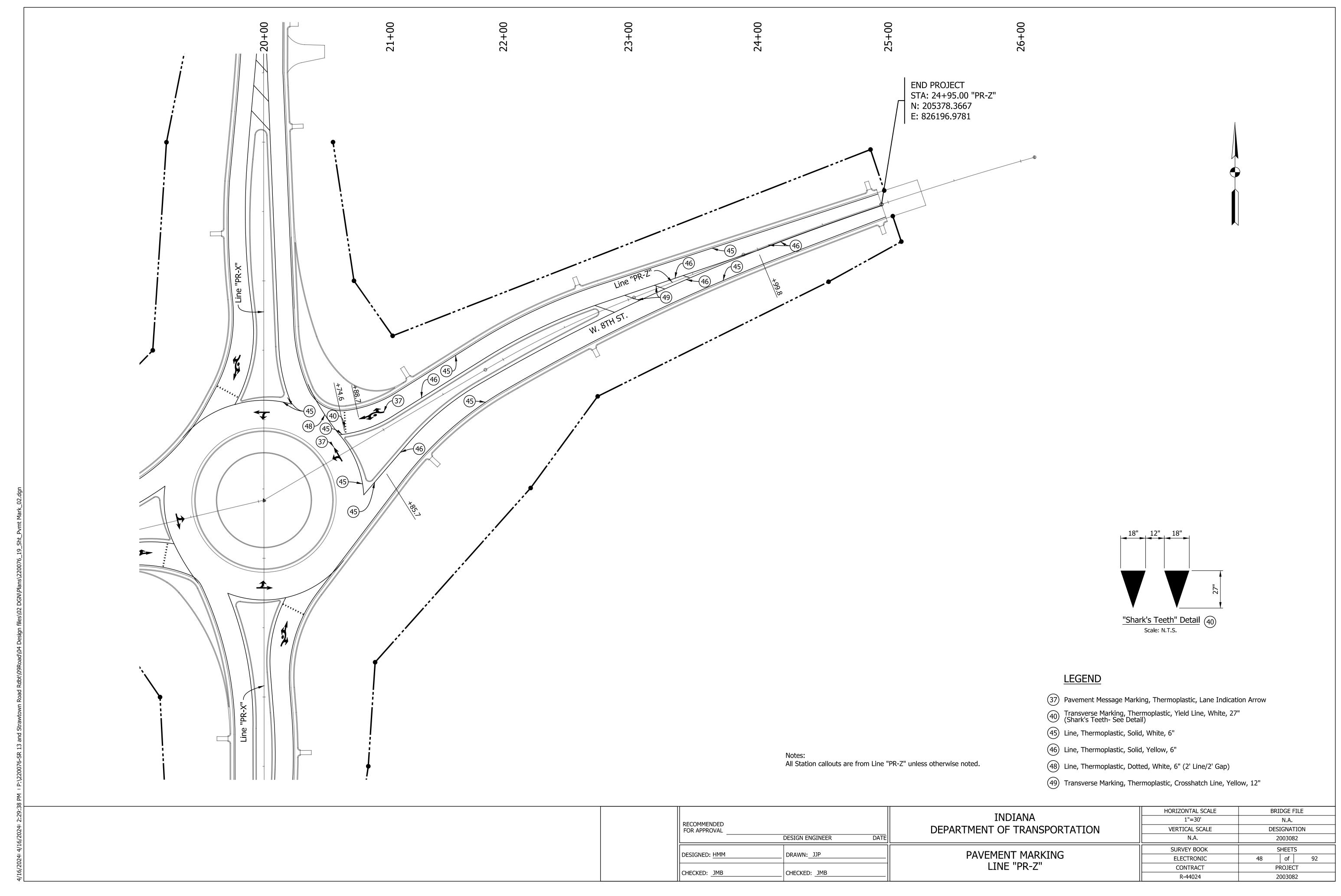
1. ALL WORK SHALL CONFORM TO THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE & ALL LOCAL ORDINACES

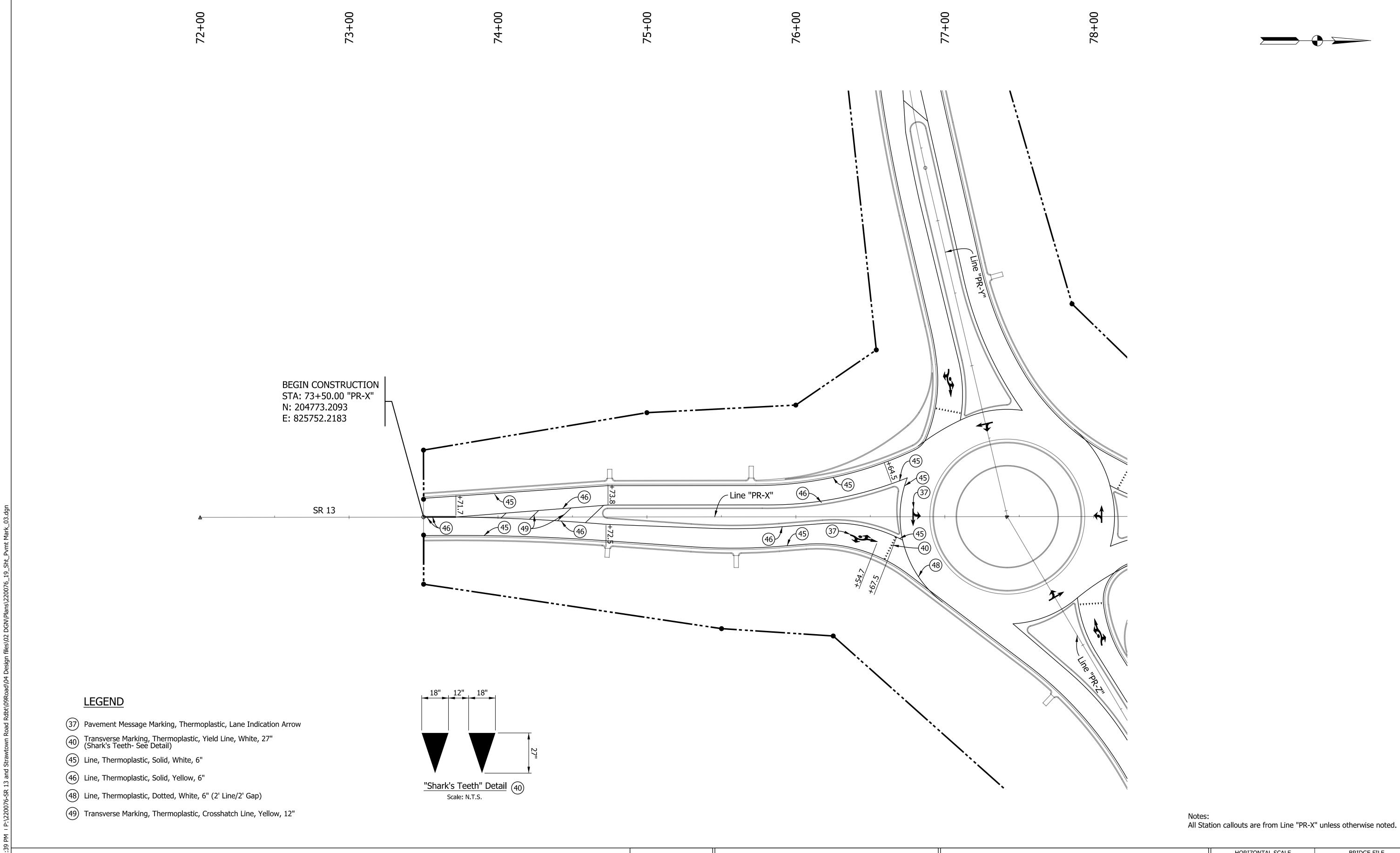
GENERAL NOTES

1. ALL ALIGNMENT CALLOUTS ARE FROM LINE "PR-X UNLESS OTHERWISE NOTED.

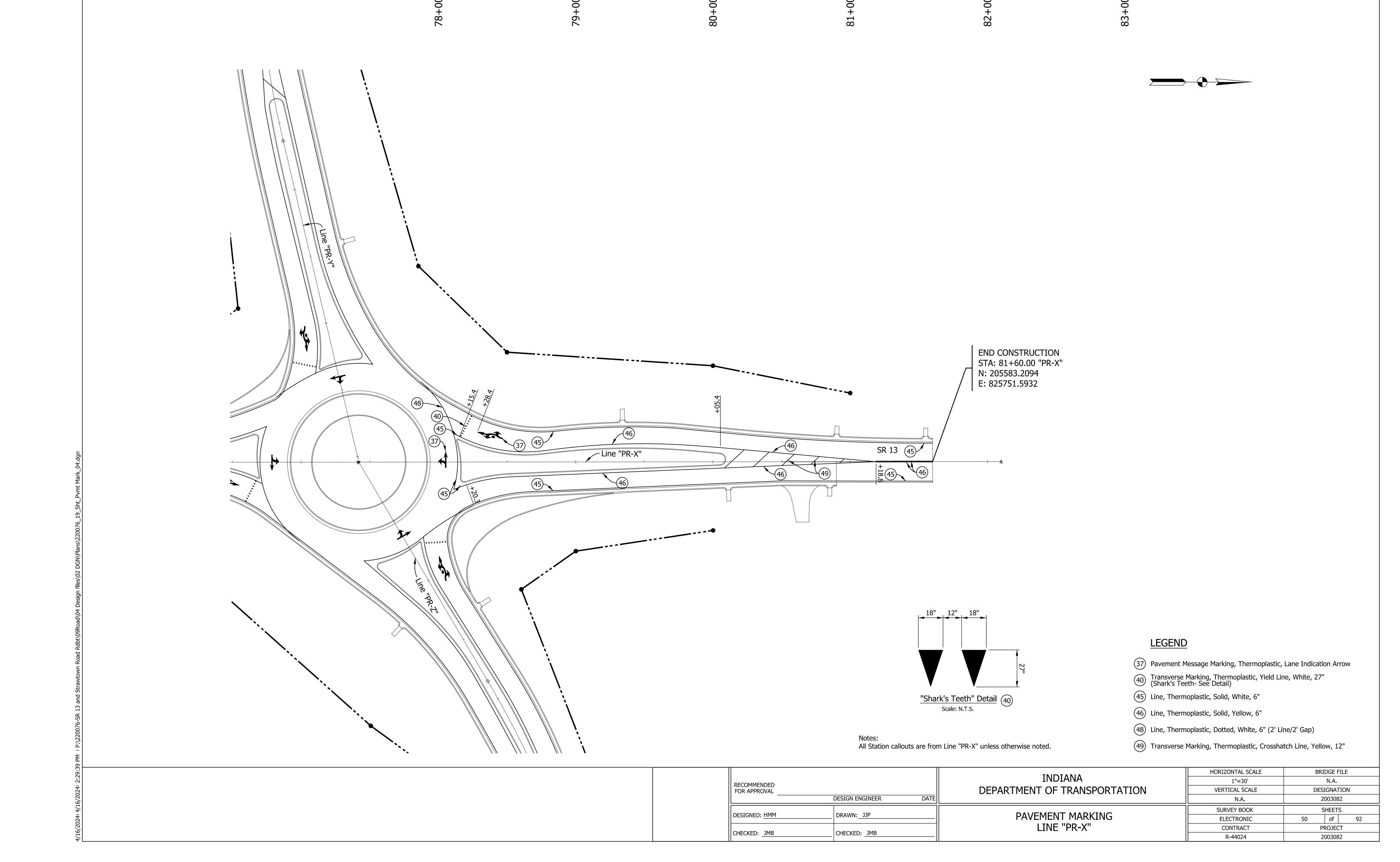


INDIANA 1"=30' N.A. RECOMMENDED FOR APPROVAL DEPARTMENT OF TRANSPORTATION VERTICAL SCALE DESIGNATION DESIGN ENGINEER N.A. 2003082 SURVEY BOOK SHEETS PAVEMENT MARKING LINE "PR-Y" DRAWN: JJP DESIGNED: HMM 47 of 92 **ELECTRONIC** PROJECT CONTRACT CHECKED: JMB CHECKED: JMB R-44024 2003082





		TAIDTANIA	N.A. 2003082	RIDGE FILE			
 RECOMMENDED			1"=30'		N.A.		
FOR APPROVAL		DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DE			
	DESIGN ENGINEER DA	— I I	N.A.		2003082		
DECICNED, LIMM	DDAMAN, JJD	DAY/ENAENIT NAADI/ING	SURVEY BOOK		SHEETS		
DESIGNED: HMM	DRAWN: JJP		ELECTRONIC	49	of 92	2	
CHECKED. IMP	CUECKED. IMP	LINE "PR-X"	CONTRACT	PROJECT			
CHECKED: JMB	CHECKED: JMB	-	R-44024		2003082		



				SIGN								POST
PLAN SHEET NO. / LINE	SIGN LOCA (STA.)		OFFSET	SIGN CODE		GN S I. x]		GROU MOUI SIGN AR	NTED	Sign, Sheet, and Supports,	SPAN ATTACHED, SIGN AREA (ft²)	Post Remov
								0.080"	0.100"	Remove	0.080"	
	STA		FT.		W	Х	Н	0.000		EACH	0.000	EACH
Line "PR-Y"												
	15+29	Rt.		Ex. R1-1	30	Х	30			1		1
	15 72	1+		Ex. D3-1 (SR 13)	48	Х	18			1		1
	15+73 Lt.			Ex. D3-1 (Strawtown Ave.)	60	Х	18			1		1
Line "PR-Z"												
	20.65	DI		Ex. D3-1 (SR 13)	48	Х	18			1		1
	20+65	Rt.		Ex. D3-1 (8th Street Rd)	48	Х	18			1		1
	20+75	Rt.		Ex. R1-1	30	х	30			1		1
SUBTOTAL 1			1							6		6

						PROI	POSED SHEE	T SIG	SN & POST SU	JMMAR	Y								
				SIGN						POST									
										SQUARE									
PLAN SHEET NO. / LINE	SIGN LO		OFFSET	SIGN CODE		SIZE x IN.)	GROUND - MOU SIGN AREA		SPAN ATTACHED, SIGN AREA (ft ²)		1/2" - 12 G FORCED AN	A. (TYPE 3) ICHOR				 	2 1/4" X 2 1/4" - 12 GA. (TYPE 1) REINFORCED ANCHOR		
LIIVL							0.080" 0.100"	0.125"	0.080"	POS	ST LENGTH	(FT.)	POS	ST LENGTH	H (FT.)	PC	ST LENGTH	l (FT.)	
	STA	LT / RT/CL	. FT.		W	х Н	0.080 0.100	0.125	0.000	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	
Line "PR-Y"																			
	13+32	LT.		R2-1(50)	24														
	13+32	RT.		W2-6		x 30													
	15 52	1811		W13-1P	18	x 18													
	15+27	LT.		D1-1d		x 18													
	15+28	RT.		R1-2		x 36													
	15+73	LT.		R6-4		x 24 x													
Line "PR-Z"						x													
	20+31	RT.		R6-4	30	x 24													
	20+76	RT.		D1-1d	52	x 18													
	20+76	LT.		R1-2	36	x 36													
	22+77	LT.		W2-6 W13-1P		x 30 x 18		1											
Line "PR-X"				()	1 - 1														
	74+65	LT.		R2-1(55)	24														
	74+65	RT.		W2-6		x 30													
				W13-1P		x 18													
	75+50	LT.		M3-3	 	x 18													
				M1-5		x 36													
	76+58	RT.		R1-2	36														
				M3-3	24														
	76+65	LT.		M1-5	24														
				M6-2(R)	21														
	76+66	RT.		R1-2	36														
	77+11	RT.		R6-4		x 24													
	77+72	LT.		R6-4	30														
	78+17	LT.		R1-2		x 36													
				M3-1	24														
	78+20	RT.		M1-5	24									1					
				M6-2(R)	21														
	78+26	LT.		R1-2		x 36													
	79+50	RT.		M3-1		x 18													
				M1-5	36		 												
	80+09	LT.		W2-6 W13-1P	30			1											
	80+19	RT.		R2-1(55)	24														

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

4/16/2024

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	
DESIGNED: HMM	DRAWN: JJP		
CHECKED: JMB	CHECKED: JMB		

INDIANA	HORIZONTAL SCALE 1"=20'
DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE
	N.A.
	SURVEY BOOK
EVICTING CLIEFT CICAL O DOCT CLIMMADY	ELECTRONIC
EXISTING SHEET SIGN & POST SUMMARY	CONTRACT

1 -20		IV.A.	
VERTICAL SCALE	DES	IGNATI	ON
N.A.	20	003082	
SURVEY BOOK	S	HEETS	
ELECTRONIC	51	of	92
CONTRACT	PF	ROJECT	-
D 44024	2	บบวบอว	<u>.</u>

BRIDGE FILE

				T				T	PAVEME	NI MAKK	INGS SUM	IMARY OF	QUANTIT	IES		T		T		T		1	T
LOCA ⁻	TION	Alignme	nt		LINE, THER	RMOPLASTIC		LINE, THERMOPLASTIC					E MARKINGS ASTIC STOP NE	IKANSVEKSI	E MARKINGS TCH LINE	TRANSVERSE MARKINGS THERMOPLASTIC CROSSWALK LINE		TRANSVERSE MARKINGS THERMOPLASTI C YIELD LINE	PAVEMENT MESSAGE THERMOPLASTIC LANE INDICATION ARROW	PAVEMENT MESSAGE THERMOPLASTIC WORD "ONLY"	EMENT MESSAGE MARKING, HERMOPLASTIC PED XING	PAVEMENT MESSAGE THERMOPLASTIC WORD "X-ing"	SNOWPLOWABLE RAISED PAVEMENT MARKERS
				SOLID	SOLID	DOTTED	SOLID	BROKEN	BROKEN	BROKEN	BROKEN	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	JEN RMC INI ARI	MEN: RMC	MEN' MAR' RMC	JEN: RMC	WPI ED F
				WHITE 6 in	YELLOW 6 in	WHITE 6 in	YELLOW 8 in	WHITE 6 in	YELLOW 6 in	WHITE 8 in	YELLOW 8 in	WHITE 12 in	WHITE 24 in	YELLOW 12 in	YELLOW 24 in	WHITE 6 in	WHITE 24 in	WHITE 27 in	AVEN THE	AVEN THE	PAVEN THE	AVEN THE	SNC
From	То	Lt CL	Rt	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	EACH	EACH	EACH	EACH	EACH
Line "I			V	20																			
10+20 10+20	10+50 10+50	X	X	30	60																		
10+20	10+50	X		30	00																		
10+50	12+37	X			374																		
10+50	15+44		Х	503																			
10+50	15+49	X		503																			
12+37	13+33	X												54									
12+37 12+37	15+30 15+27	V	X		295																		
15+30	15+34	X		5	291																		
15+27	15+37		X	12																			
15+			X	† - -															3				
15+	-26																	18					
15+		X		43																			
15+			X			9													2				
15+	-41 	X																	2				
Line "F	 PR-7"																						
20+46	24+95		X	452																			
20+		Х		1 .52															2				
20+64 20+	20+86	X	Y	23		11																	
20+72	24+95		X	433		11																	
20+71	20+75	Х		4																			
20+	_	X		48																			
20+75		X			328																		
20+			X		216													17					
20+86		X	X		316														3				
22+76	24+00	X												40					<u> </u>				
24+00	24+95	Х			190									-									
Line "F	│ PR-X"																						
73+50	77+16		Х	381																			
73+50	73+72	X			44																		
73+50	76+85	X		340	200																		
73+72 73+72	76+68 74+71	X	X	1	298									83									
73+72	76+65	X			295									ری									
76+			X															18					
76+65	76+74	Х		11																			
76+68	76+72		X	5																			
76+			V	43		10																	
76+ 77+78	81+60		X	394		13																	
77+76			X) J J1		11																	
78+10	81+60		X	357																			
78+11	78+20		Х	10																			
78+11	78+15	X		5																			
78+	T	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		42	201																		
78+15 78+	-20	X			306													10					
78+20	81+19	^	X		300													18					
80+08	81+19	X		+	300	+								61									
81+19	81+60	X			82																		
76+	-43		Х																3				
	70		T																2				
76+ 78+		X																					

₹
ار
Ž
ا
5_23_P
' 92
9
3\220(
les\02 DGN\Plans\220076
<u>P</u>
Ź
2
2
) <u>(</u>
₽
Я
SS
04 Desig
8
ag
ot\09Road
6
묪
ad
&
Ž
ş
ā
St
Б
ላ 13 and St
:\220076-SR 13
ķ
9/(
500
$\overset{\sim}{\sim}$
تة
>
回
4 ,
29
16/2024 2 29 49
24
/20
16/
6/20241 4/16/20241 2:29:49 PM
24
5/2024
/91

		TAUDTANIA	HORIZONTAL SCALE	BR1	DGE FIL	.E	
RECOMMENDED		INDIANA	1"=20'		N.A.		
FOR APPROVAL		DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION			
	DESIGN ENGINEER DATE		N.A.	2003082			
DEGLEVED LIMM	DRAWN JIB		SURVEY BOOK	9			
DESIGNED: HMM	DRAWN: JJP		ELECTRONIC	52	of	92	
CUECUED IMP	CUECKED IMP	PAVEMENT MARKING SUMMARY	CONTRACT	Р			
CHECKED: JMB	CHECKED: JMB		R-44024	2003082			

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: HMM	DRAWN:_ JJP	
CHECKED: JMB	CHECKED: JMB	

	PAVEMENT QUANTITIES AND APPROACH TABLE																													
LOCATION (APPROA	RIPTION ACH TYPE CLASS)	WIDTH	LENGTH	RADII	TANCE BEYOND R/W LINE		GRADE		TEMP PAVE	A FOR ORARY MENT, PE C	QC/QA-HMA, 4, 76, SURFACE 12.5 mm		QC/QA-HMA, 4, 64, BASE 33 19.0 mm		MILLING, ASPHALT, 2 IN.	MILLING, PROFILE	P FOR APPROACHES, 6 IN	PCCP, 9 IN	ADE TREATMENT, TYPE IBC, (CEMENT)	PHALT FOR TACK COAT	JOINT ADHESIVE SURFACE	- ADHESIVE INTERMEDIATE	GEOGRID TYPE 1B	DENSE GRADE SUBBASE	COMPAC FOR	CTED AC R BASE N		XTILE FOR PAVEMENT TYPE	SADE TREATMENT, TYPE IC	REMARKS
					SIQ			1	LBS. Pl	ER SYD.		LBS. P	ER SYD.	1	Σ		PCC		SUBGR	AS) 	JOINT				DEPTH ((IN)	EOTE	SUBGRADE	
	-					1	2	3	165	660	165	275	330	330	6)/6	67/6	6)/6	67.46		67.46			6)/6	6)/6	4	6	7.5			
		FT	FT	FT	FT	%	%	%	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	LFT	SYS	SYS	SYS	CYS	CYS	CY	S SYS	SYS	
Drives																														
Line PR-X																														
		11.2	20.0	15.0		X	X																							
Mainline Pavement	nt																													
Line PR-Y																														
10+50.00 15+	+32.06									1	X	X	X	X						X	X	X			X	X			X	
Line PR-Z																													X	
20+72.00 24+	+95.00										X	X	X	X						X	X	X			X	X			X	
Line PR-X																														
73+50.00 76+	⊦69.93										X	X	X	X						X	X	X			X	X			X	
78+13.93 81+	⊦60.00										X	X	X	X						X	X	Х			Х	X			Х	
Line TA-1	F2 20										V	V	V	V				V	V	V	V	V			V	V	X		V	
	52.39										X	X	X	X				X	X	Α	Α	X			X	X			X	
Incidential Pavemer	ent																													
Line PR-Y																														
10+20.00 10+	+50.00										X				X															
Line PR-Z											X				X															
24+95.00 25+	+25.00					1				1							1													
COLUMN TOTALS																														
FACTOR									0.0825	0.33	0.083	0.138	0.165	0.165	1	1	1	1	1	0.00034	1	1	1	0.167	1	1	1	1	1	
QUANTITY UNIT												TON		TON		SYS	SYS	SYS	SYS	TON	LFT	LFT	SYS	CYS	CYS	CYS	CY	S SYS	SYS	
OINTI									TON	I ON	TON	TON	TON	TON	313	313	313	313	313	TON			313	CIS	CIS	CIS	Cf	3 313	313	

/20241 4/16/20241 2:30:03 PM 1 P:\220076-SR 13 and Strawtown Road Rdbt\09Road\04 Design files\02 DGN\Plans\220076_24_Sht_Approach

		TNIDTANIA	HORIZONTAL SCALE	BRIDGE FILE
 RECOMMENDED		INDIANA	1"=20'	N.A.
FOR APPROVAL		DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION
	DESIGN ENGINEER DATE		N.A.	2003082
DECICNED. LIMM	DDAMAL IID		SURVEY BOOK	SHEETS
DESIGNED: HMM	DRAWN: JJP	ADDDOACH TADLE	ELECTRONIC	53 of 92
CUECKED IMP	CHECKED IMP	APPROACH TABLE	CONTRACT	PROJECT
CHECKED: JMB	CHECKED: JMB		R-44024	2003082

STRUCTURE DATA																																			
CTURE NUMBER	LO	CATION E	CROSS	OFFSET SIZE	IPE TYPE	DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	PIPE LENGTH	ATER QAULITY PIPE LENGTH	SKEW		FLOW LIN UP STREAM	DOWN STREAM	SERVICE LIFE	DESIGNATION T	KFILL METHOD	STRUCTURE BACKFILL	TYPE	FLOWABLE BACKFILL	ТҮРЕ	GEOTEXTILES, TYPE 1A	TURF EINFORCEMENT MAT	CLASS I RIPRAP	REVETMENT RIPRAP	ЛМР DEРТН	EOTEXTII E	IR PROTE	RIPRAP NOILUS		CONCRETE	PIPE END SECTION		TY META SECTION		NECT TO STR.	REMARKS
STRU	Line "PR-Y"			FT IN.	```		LFT	LFT LF	-T	LFT	ELEV.	ELEV.	YRS	SITE	BAC	CYS		CYS		SYS	SYS	TON	TON	ਲ IN.	SY		TYPE	TONS	EA.	EA.	TYPE	SLOPE	EA.	CO	
10	15+25		X	15	1	Pipe	134				810.56	809.56	75	N 7																2					
20	12+00	X	(12	2	Inlet B-15	96				811.36	810.21	75	N 7																					
21	13+00	X	(12	2	Inlet C-15	177				810.11	808.34	75	N 7																					
22	14+80		(12		Inlet C-15	5				808.24	808.19		N 7																				23	
23	14+90	X	(12	2	Inlet C-15	23				808.09	807.98	75	N 7																					
23A	15+00		X	0.0' 12	2	Manhole C-4	28				807.88	807.74	75	N 7																					
24	14+99	X	(12	2	Inlet B-15	4				811.90	811.88	75	N 7																				23	
25	14+94	Х		12	2	Inlet B-15	4				811.29	811.27	75	N 7																				26	
26	15+03	X		12	2	Inlet C-15	23				807.64	807.53	75	N 7																1					
27	15+12	X		12	2	Inlet B-15	5				811.29	811.27	75	N 7																				26	
28	Line "PR-Z" 20+83	X		12	2	Inlet B-15	3				811.65	811.62	75	N 7																				29	
29	20+90	X		12	2	Inlet C-15	39				811.52	811.13	75	N 7																1					
30	20+98	X		12	2	Inlet B-15	3				811.65	811.62	75	N 7																				29	
31	20+81	X	(12	2	Inlet B-15	6				812.46	812.43	75	N 7																				32	
32	20+90	Х	(12	2	Inlet C-15	11				812.35	812.24	75	N 7																1					
33	20+99	X	(12	2	Inlet B-15	5				812.48	812.45	75	N 7																				32	
33A	21+38		X		2	Pipe	88				811.61																			1				33B	
33B	21+22	X	3	34.4' 24		Manhole C-4	29				810.32	810.17	75	N 7																1					
34	Line "PR-X" 76+45	X	(12	2	Inlet B-15	3				813.23	813.20	75	N 7											-									35	
35	76+52	X	(4				813.10			N 7																					
36	76+60		(12			3				813.22			N 7											-									35	
37	76+49	X		12			5				813.02																							38	
38	76+58	X			2		23				812.89	812.66		N 7															_						
39	76+66	X		12			4				813.01																							38	
40	77+64	X			2		100				813.05 803.37																			1					
41	80+60	X		30"X1	9"	Pipe	25				803.37	გიკ.19	/5	N 7																2					

/2024| 4/16/2024| 2:30:13 PM | P:\220076-SR 13 and Strawtown Road Rdbt\09Road\04 Design files\02 DGN\Plans\220076_27_Sht_Str_Data_T

		TAIDTANIA	HORIZONTAL SCALE	BRIDGE FILE	
RECOMMENDED		INDIANA	1"=20'	N.A.	
FOR APPROVAL		DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION	
-	DESIGN ENGINEER DATE		N.A.	2003082	
DEGLED LIMANA	224444 132		SURVEY BOOK	SHEETS	
DESIGNED: HMM	DRAWN: JJP	CTDLICTUDE DATA TABLE	ELECTRONIC	54 of 9	92
CHECKED IMP	CLIECKED IMP	STRUCTURE DATA TABLE	CONTRACT	PROJECT	
CHECKED: JMB	CHECKED: JMB		R-44024	2003082	

APPENDIX C

Early Coordination





100 North Senate Avenue Room N758-ES Indianapolis, Indiana 46204 PHONE: (317) 694-8283

Eric Holcomb, Governor Michael Smith, Commissioner

July 10, 2023

Sample Early Coordination Letter

Re: Early Coordination Letter, Des. No.: 2003082, Intersection Improvement Project, SR 13 at

Strawtown Avenue

Hamilton and Madison Counties, Indiana

KEG No. 21-1155.03

Dear Interested Party,

The Indiana Department of Transportation (INDOT), with federal funding, intends to proceed with a project involving the aforementioned roadway in Hamilton and Madison Counties. This letter is part of the early coordination phase of the environmental review process. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. **Please use the above designation number and description in your reply**. We will incorporate your comments into a study of the project's environmental impacts.

This project is located at the intersection of SR 13 and Strawtown Avenue in Hamilton and Madison Counties. This section SR 13 and Strawtown Avenue is a two-lane *Rural-Minor-Arterial*. The existing SR 13 and Strawtown Avenue approaches consist of two 12' travel lanes bordered by 1' paved shoulders. The existing intersection is a two-way stop-controlled intersection. The draft need is due to the above average crash severity at the intersection. Per RoadHAT analysis (INDOT traffic engineering safety modeling software) of 2017-2019 crash data, the index of crash frequency (ICF) is 4.17 (well above average) and the index of crash cost (ICC) is 2.68 (well above average). These indices compare the crash cost and crash frequency for this intersection to intersections with similar volumes, roadway classifications, and control type throughout Indiana. The ICC and ICF exceed the threshold of 1.00 set by INDOT's Office of Traffic Safety, flagging the intersection as a safety concern. The draft purpose is to reduce crash potential at the intersection, improve the ICC and ICF to below 1.00, and provide a long-term solution to ensure safe and efficient operation of the intersection. The approximate existing right-of-way (ROW) is 10' south and 10' north of Strawtown Ave, and 12' to 50' west and 12' to 50' east of SR 13.

The proposed project is anticipated to include replacing the existing two-way stop with a single-lane (RAB). The RAB will include raised concrete islands, a center truck apron, outside truck aprons, new curb and gutters, a stormwater system, new roadside ditches, and lighting. The project will require the acquisition of approximately 4.09 acres of permanent ROW and 0.55 acre of temporary ROW. Proposed ROW widths from the centerline along SR 13 are 45' to 55' and along SR 128 are 40' to 55'. The project will be approximately 810' in length along SR 13 and 1,050' along Strawtown Road / 8th Street. The proposed method of traffic maintenance is anticipated to include lane shifts, lane closures, and a detour. There is the potential for less than 0.01 acre of tree removal. The project is anticipated to begin construction in Spring 2026.

Land use in the vicinity of the project is forested and agricultural, with a residence west and east of the project. Kaskaskia Engineering Group, LLC will perform waters and wetlands determinations to identify water resources that may be present. The project is anticipated to qualify for the Rangewide Programmatic Agreement for the Indiana bat and northern long-eared

bat by completing the Information for Planning and Consultation (IPaC). Coordination will occur with INDOT Cultural Resources Office (CRO) to evaluate the project area for archaeological and historic resources and for Section 106 compliance. The results of this investigation will be forwarded to the State Historic Preservation Officer (SHPO) for review and concurrence as appropriate.

Please provide your response within thirty (30) calendar days from the date of this letter. However, should you find that an extension to the response time is necessary; a reasonable amount may be granted upon request. If you have any questions regarding this matter, please feel free to contact me, at 217-213-3046 or jstern@kaskaskiaeng.com, or Kim Szewczak, INDOT Project Manager at 317-289-3193 or kszewczak@indot.in.gov. Thank you in advance for your input.

Sincerely,

Jessica Stern

Environmental Scientist

Kaskaskia Engineering Group, LLC

Attachment -

- Early Coordination Letter Recipient List
- Maps (Location, Aerial, Topographic)
- Photo Log

cc: Tom Heustis, Kimley-Horn Kate Williams, Kimley-Horn John Beery, BLN Attachments omitted to avoid duplication



Organization and Project Information

21-1155.03 **Project ID:** Des. ID: 2003082

Project Title: Intersection Improvement Name of Organization: Kaskaskia Engineering Group

Requested by: JESSICA STERN

Environmental Assessment Report

1. Geological Hazards:

- Moderate liquefaction potential
- Floodway
- 2. Mineral Resources:
 - Bedrock Resource: High Potential
 - Sand and Gravel Resource: High Potential
- 3. Active or abandoned mineral resources extraction sites:
 - Petroleum Exploration Wells

DISCLAIMER:

This document was compiled by Indiana University, Indiana Geological Survey, using data believed to be accurate; however, a degree of error is inherent in all data. This product is distributed "AS-IS" without warranties of any kind, either expressed or implied, including but not limited to warranties of suitability to a particular purpose or use. No attempt has been made in either the design or production of these data and document to define the limits or jurisdiction of any federal, state, or local government. The data used to assemble this document are intended for use only at the published scale of the source data or smaller (see the metadata links below) and are for reference purposes only. They are not to be construed as a legal document or survey instrument. A detailed on-the-ground survey and historical analysis of a single site may differ from these data and this document.

This information was furnished by Indiana Geological Survey

Address: 1001 E. 10th St., Bloomington, IN 47405

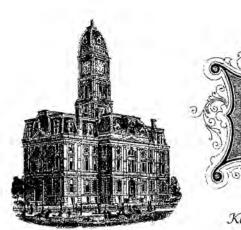
Email: IGSEnvir@indiana.edu

Phone: 812 855-7428 Date: July 10, 2023

^{*}All map layers from Indiana Map (maps.indiana.edu)









Kenton C. Ward, CFM Surveyor of Hamilton County Phone (317) 776-8495 Fax (317) 776-9628 Suite 188 One Hamilton County Square Noblesville, Indiana 46060-2230

July 13, 2023

Kaskaskia Engineering Group, LLC Jessica Stern 208 East Main Street, Suite 100 Belleville, IL 62220

RE: Intersection Improvement Project, S.R. 13 at Strawtown Ave, Des No. 2003082

I have received your Early Coordination letter dated July 10, 2023 regarding the above referenced project. I have the following comments regarding this project.

REGULATED DRAINS -

Although there are no regulated drains within the project limits, the Lincoln Smith Drain is located 1,245 feet west of the intersection of S.R. 13 and Strawtown Avenue. In your letter I noted that a stormwater system will be part of the plan. If you are going to utilize this drain for your outlet, the outlet must be approved by the Surveyor per IC 36-9-27-17. Also, Hamilton County requires detention for any additional impervious areas proposed if the outlet will fall within Hamilton County. The Hamilton County Stormwater Management Technical Standards Manual can be found at this link – www.hamilton.county.in.gov/document center/view/1373 Hamilton-County-Stormwater-Manual-PDF.

FLOODPLAIN -

It does not appear to be any floodplain within the project limits as shown on the site location map which was provided. However, floodplain does exist approximately 300 feet north and 1,180 feet west of the intersection. Please be aware that Hamilton County has a prohibition against any fill within the floodplain.

SECTION CORNERS -

None located within the project limits.

BENCH MARKS -

None located with the project limits.

Note that the Hamilton County GIS is available online at www.hamiltoncounty.in.gov. The online mapping may be of help to you as you develop this project.

Sincerely,

Kenton C. Ward, CFM Hamilton County Surveyor

Cc: Brian Rayl, PS
John Campbell, PS

Tom Shepherd, Madison County Surveyor



Farm
Production
and
Conservation

Natural Resources Conservation Service Indiana State Office 6013 Lakeside Boulevard Indianapolis, Indiana 46278 317-295-5800

July 17, 2023

Jessica Stern Environmental Scientist 301 N Neil St STE 400 Champaign, Illinois 61820

Dear Ms. Stern:

The proposed Intersection Improvement Project, SR 13 at Strawtown Avenue in Hamilton and Madison Counties, Indiana (Des. No. 2003082), as referred to in your letter received July 10, 2023, will cause a conversion of prime farmland.

The attached packet of information is for your use competing Parts VI and VII of the AD-1006. After completion, the federal funding agency needs to forward one copy to NRCS for our records.

If you need additional information, please contact John Allen at 317-295-5859 or john.allen@usda.gov.

Sincerely,

JOHN ALLEN

Digitally signed by JOHN ALLEN Date: 2023.07.18 06:50:38 -04'00'

JOHN ALLEN State Soil Scientist

Enclosers

FA	U.S. Departme	J		ATING						
PART I (To be completed by Federal Agency,		Date Of La	and Evaluation	Request						
Name of Project DES2003082_SR13	at Strawtown Ave (F	Federal A	gency Involved							
Proposed Land Use	,		nd State Hami	ton County	, IN					
PART II (To be completed by NRCS)		Date Requ	uest Received	By Person Completing Form:						
Does the site contain Prime, Unique, Statewid	e or Local Important Farmland	? Y	ES NO	Acres I	rrigated	_	Farm Size			
(If no, the FPPA does not apply - do not comp	lete additional parts of this form	n) [\checkmark	218 ac						
Major Crop(s)	Farmable Land In Govt.					Defined in FI	PPA			
Corn	Acres: 175655 % 68				94 <u>1</u> % 6					
Name of Land Evaluation System Used LESA	Name of State or Local S	Site Assessn	nent System	7/17/23		eturned by N	RCS			
PART III (To be completed by Federal Agenc	y)			Site A	Alternative Site B	Site Rating	Site D			
A. Total Acres To Be Converted Directly				1.77	Sile B	Site C	Site D			
B. Total Acres To Be Converted Indirectly				0.0						
C. Total Acres In Site				2.45						
PART IV (To be completed by NRCS) Land I	Evaluation Information			2.10						
A. Total Acres Prime And Unique Farmland				2.45						
B. Total Acres Statewide Important or Local In	nportant Farmland			0.00						
C. Percentage Of Farmland in County Or Loca		0.001								
D. Percentage Of Farmland in Govt. Jurisdiction		135								
PART V (To be completed by NRCS) Land E Relative Value of Farmland To Be Con		58								
PART VI (To be completed by Federal Agence (Criteria are explained in 7 CFR 658.5 b. For Co		CPA-106)	Maximum Points	Site A	Site B	Site C	Site D			
Area In Non-urban Use			(15)	12						
2. Perimeter In Non-urban Use			(10)	10						
3. Percent Of Site Being Farmed			(20)	12						
4. Protection Provided By State and Local Go	vernment		(15)	0						
5. Distance From Urban Built-up Area			(15)	5		-				
6. Distance To Urban Support Services			(10)	10						
Size Of Present Farm Unit Compared To A Screation Of Non-farmable Farmland	verage		(10)	8		1				
			(5)	2						
Availability Of Farm Support Services 10. On-Farm Investments			(20)	0		+				
11. Effects Of Conversion On Farm Support S	envices		(10)	0						
12. Compatibility With Existing Agricultural Us			(10)	1						
TOTAL SITE ASSESSMENT POINTS	<u> </u>		160	60	0	0	0			
PART VII (To be completed by Federal Age	ency)			00	0					
Relative Value Of Farmland (From Part V)			100	58	0	0	0			
Total Site Assessment (From Part VI above of	local site assessment)		160	60	0	0	0			
TOTAL POINTS (Total of above 2 lines)			260	118	0	0	0			
Site Selected:	ate Of Selection			Was A Loca YE		sment Used?				
Reason For Selection:				1						
Name of Federal agency representative comple	ting this form: Molly Barle	etta			D	ate: 12/7/2	23			

PART I (To be completed by Federal Agency) Name of Project DES 2003082 SR13 at Proposed Land Use	Strawtown Ave (N	Federal Aç		Request										
	Strawtown Ave (N		gency Involved	Date Of Land Evaluation Request										
	·													
p		County and State Madison County, IN												
PART II (To be completed by NRCS)		Date Requ	uest Received I	Зу	Person Co JRA	Person Completing Form:								
Does the site contain Prime, Unique, Statewide o	r Local Important Farmland?	Y	ES NO	Acres Ir	rigated	_	Farm Size							
(If no, the FPPA does not apply - do not complete		_	<u> </u>	312 ac										
Major Crop(s)	Farmable Land In Govt. J			Amount of Farmland As Defined in FPPA										
Corn	Acres:281875 % 97			Acres: 27	012% 9	<u> </u>	200							
Name of Land Evaluation System Used LESA	Name of State or Local Si	ite Assessm	nent System	7/17/23	valuation Re	turned by NF	RUS							
PART III (To be completed by Federal Agency)	1			0		Site Rating								
A. Total Acres To Be Converted Directly				Site A 1.64	Site B	Site C	Site D							
B. Total Acres To Be Converted Indirectly				0										
C. Total Acres In Site				2.29										
PART IV (To be completed by NRCS) Land Eva	luation Information			2.20										
A. Total Acres Prime And Unique Farmland				2.29										
B. Total Acres Statewide Important or Local Impo	rtant Farmland			0.00										
C. Percentage Of Farmland in County Or Local G		<0.001												
D. Percentage Of Farmland in Govt. Jurisdiction \		99												
PART V (To be completed by NRCS) Land Evaluative Value of Farmland To Be Convert		53												
PART VI (To be completed by Federal Agency) (Criteria are explained in 7 CFR 658.5 b. For Corric	Site Assessment Criteria	•	Maximum Points	Site A	Site B	Site C	Site D							
1. Area In Non-urban Use			(15)	12										
2. Perimeter In Non-urban Use			(10)	10										
3. Percent Of Site Being Farmed			(20)	12										
4. Protection Provided By State and Local Gover	nment		(20)	0										
5. Distance From Urban Built-up Area			(15)	5										
6. Distance To Urban Support Services			(15)	10										
7. Size Of Present Farm Unit Compared To Aver	age		(10)	8										
8. Creation Of Non-farmable Farmland			(5)	2										
Availability Of Farm Support Services			(20)	0										
10. On-Farm Investments			(10)	0										
Effects Of Conversion On Farm Support Serv Compatibility With Existing Agricultural Use	ices		(10)	0										
TOTAL SITE ASSESSMENT POINTS			160	60	0	0	0							
PART VII (To be completed by Federal Agenc	w)			60	0	0	0							
Relative Value Of Farmland (From Part V)	у)		100	53	0	0	0							
Total Site Assessment (From Part VI above or loc	cal site assessment)		160	60	0	0	0							
TOTAL POINTS (Total of above 2 lines)	our ente decedeament,		260	113	0	0	0							
				Was A Local										
	e Of Selection			YES	S	NO								
Reason For Selection: Name of Federal agency representative completing	this form: Molly Rarle	etta			∩a	ite: 12/7/2) 3							

DEM

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb

Governor

Brian C. Rockensuess

Commissioner

July 25, 2023

Kaskaskia Engineering Group, LLC Attention: Jessica Stern 301 North Neil Street, Suite 400 Champaign, IL 61820

Dear Jessica Stern:

Re: Wellhead Protection Area
Proximity Determination
Des No 2003082, Intersection Improvement
Project, SR 13 at Strawtown Avenue
Hamilton and Madison Counties, Indiana

Upon review of the above referenced project site, it has been determined that the proposed project area **is not located within** a Wellhead Protection Area. The information is accurate to the best of our knowledge; however, there are in some cases a few factors that could impact the accuracy of this determination. Some Wellhead Protection Area Delineations have not been submitted, and many have not been approved by this office. In these cases, we use a 3,000-foot fixed radius buffer to make the proximity determination. To find the status of a Public Water Supply System's (PWSS's) Wellhead Protection Area Delineation please visit our tracking database at http://www.in.gov/idem/cleanwater/2456.htm and scroll to the bottom of the page.

The project area is located within a Source Water Assessment Area for a PWSS's surface water intake. The Source Water Assessment Area relates to the surface water drainage area that water could potentially flow and influence water quality for a PWSS's source of drinking water. The PWSS that could be impacted by the project is Citizens Water – Indianapolis. A contact person for Citizens Water – Indianapolis is John Havard, and he could be reached via e-mail and/or phone at: JHavard@citizensenergygroup.com and 317-693-8716. The contact information is provided as a courtesy and reference for you if any issues arise that could potentially impact the water quality for the PWSS during the course of the project. It is not a requirement of IDEM that you contact the system regarding the project.

In the future, **please consider using this self-service tool** if it suits your needs. The Drinking Water Branch has a self-service tool which allows one to determine wellhead proximity without submitting the application form. Go to https://www.in.gov/idem/cleanwater/pages/wellhead/ and use the instructions at the bottom of the page.



Jessica Stern Page 2

If you have any additional questions, please feel free to contact me at the address above or at 317-233-9158 and aturnbow@idem.in.gov.

Sincerely,

Alisha Turnbow, Environmental Manager Ground Water Section Drinking Water Branch Office of Water Quality

Electronic cc: John Havard, Citizens Water - Indianapolis

THIS IS NOT A PERMIT

State of Indiana DEPARTMENT OF NATURAL RESOURCES Division of Fish and Wildlife

Early Coordination/Environmental Assessment

DNR#: ER-25753

Request Received: July 10, 2023

Requestor:

Jessica Stern Kaskaskia Engineering Group, LLC 301 North Neil Street, Suite 400 Champaign, IL 61820

Project:

SR 13 & Strawtown Avenue roundabout construction; KEG #21-1155.03, Des #2003082

County/Site Info: Hamilton County, Madison County

The Indiana Department of Natural Resources has reviewed the above referenced project per your request. Our agency offers the following comments for your information and in accordance with the National Environmental Policy Act of 1969.

If our agency has regulatory jurisdiction over the project, the recommendations contained in this letter may become requirements of any permit issued. If we do not have permitting authority, all recommendations are voluntary.

Regulatory Assessment:

Formal approval by the Department of Natural Resources under the regulatory programs administered by the Division of Water is not required for this project.

Natural Heritage Database:

The Natural Heritage Program's data have been checked. The following state listed mussel species have been reported to occur in the White River in vicinity of the project site:

- Clubshell (Pleurobema clava), State endangered
- Rabbitsfoot (Theliderma cylindrica), State endangered
- Sheepnose (Plethobasus cyphyus), State endangered
- Northern Riffleshell (Epioblasma rangiana), State endangered
- Little Spectaclecase (Villosa lienosa), State special concern
- Kidneyshell (Ptychobranchus fasciolaris), State special concern
- Purple Lilliput (Toxolasma lividus), State special concern
- Wavyrayed Lampmussel (Lampsilis fasciola), State special concern

Because work is not proposed in the river, significant or detrimental impacts to the state-listed mussels are not anticipated as a result of this project so long as appropriate erosion and sediment control measures are in place to minimize movement of sediment into nearby waterways.

Fish and Wildlife Comments:

Avoid and minimize impacts to fish, wildlife, and botanical resources to the greatest extent possible, and compensate for impacts. The following are recommendations that address potential impacts identified in the proposed project area:

A) Lighting:

Most transportation corridor designers and municipalities are trending toward LED lighting. Certain types of LED lighting can have negative impacts on both human and wildlife health and safety. Scientific evidence suggests that artificial light at night has negative and deadly effects on many organisms including amphibians, birds, mammals, insects, and plants (https://www.darksky.org/light-pollution/wildlife/). A June 2016 American Medical Association (AMA) report, "Human and Environmental Effects of Light Emitting Diode Community Lighting," concluded that "white LED street lighting patterns may contribute to the risk of chronic disease in the populations of cities in which they have been installed."

The International Dark-Sky Association has developed recommendations (https://www.darksky.org/our-work/lighting/lighting-for-citizens/led-guide/) for communities choosing LED lighting systems that will aid in the selection of lighting that is energy and cost efficient, yet ensures safety and security, protects wildlife, and promotes the goal of reducing light pollution:

- Always choose fully shielded fixtures that emit no light upward.
- Use "warm-white" or filtered LEDs (CCT < 3,000 K; S/P ratio < 1.2) to minimize harmful blue light emission.
- Look for products with adaptive controls like dimmers, timers, and motion sensors.
- Consider dimming or turning off lights during non-peak overnight hours.
- Avoid the temptation to over-light because of the higher luminous efficiency of LEDs.
- Only light the exact space and in the amount required for particular tasks.

B) Pavement Rehabilitation:

Pavement rehabilitation projects typically do not have a significant impact on fish, wildlife, and botanical resources as long as best management practices (BMPs) are in place to limit the migration of Polycyclic aromatic hydrocarbons (PAHs) into local waterways. PAHs are a byproduct of asphalt and coal tar based sealants and negatively impact aquatic systems. The use of sealants that are free of petroleum and coal tar based products is encouraged whenever possible. Contaminated road runoff can significantly impact the aquatic environment through increased turbidity and release of sediment into the stream which can be harmful to fish and other aquatic organisms, their eggs, and their food supply. Where possible, road runoff should be directed to riprap turnouts and sediment filtration prior to entering a stream to reduce impacts to aquatic species. We recommend the use of pollutant trapping technology such as storm drain inserts to reduce the runoff of roadside pollutants.

C) Drainage and Stormwater Management:

The Division of Fish and Wildlife recommends considering a more sustainable approach to stormwater management. The traditional model of stormwater management aims to drain runoff as quickly as possible with the help of channels and pipes, which increases peak flows and costs of stormwater management. This type of solution only transfers drainage problems from one section of a basin to another. A more sustainable approach should aim to rebuild the natural water cycle by using storage techniques (retention basins, constructed wetlands, raingardens, etc.) and recharging groundwater using infiltration techniques (infiltration basins or trenches, pervious pavement, etc.). The following links give a good overview of traditional and sustainable stormwater management systems and their pros and cons for consideration during the design of the proposed project: https://www.epa.gov/greeningepa/epa-facility-stormwater-management; https://www.epa.gov/greeningepa/stormwater-management-practices-epa-facilities

D) Tree Removal:

The Division of Fish and Wildlife recommends avoiding removing trees along a roadway to the greatest extent possible and replacing trees that must be removed. Street trees are important to fish and wildlife resources in urban and rural areas. Indiana's street trees also provide millions of dollars of tangible benefits to Indiana communities by their presence in the urban environment. Their shade and beauty contribute to the quality of life. They provide significant increases in real estate values, create attractive settings for commercial businesses, and improve community neighborhood appeal. Trees decrease energy consumption by providing shade and acting as windbreaks. They reduce water treatment costs and impede soil erosion by slowing the runoff of stormwater. Trees also cool the air temperature, cleanse pollutants from the air, and produce oxygen while absorbing carbon dioxide. Trees are an integral component of the urban environment. Proactively managing and maintaining a street tree population will ultimately maximize the benefits afforded by their aesthetic and ecological functions. The following links give a good overview of the benefits of a street tree

program and how to select the right species to avoid the negative impacts of non-native invasive species such as the common and popular Bradford pear: https://www.in.gov/dnr/forestry/forestry-publications-and-presentations/ (scroll down to the Community & Urban Forestry section).

The additional measures listed below should be implemented to avoid, minimize, or compensate for impacts to fish, wildlife, and botanical resources:

- 1. Revegetate all bare and disturbed areas that are not currently mowed and maintained with a mixture of grasses, sedges, and wildflowers native to Central Indiana as soon as possible upon completion; turf-type grasses (including low-endophyte, friendly endophyte, and endophyte free tall fescue but excluding all other varieties of tall fescue) may be used in currently mowed areas only. A native herbaceous seed mixture must include at least 5 species of grasses and sedges and 5 species of wildflowers.
- 2. Do not excavate in the waterway and minimize disturbance to bank vegetation and contain disturbance to within the project limits.
- 3. Do not cut any trees suitable for Indiana Bat or Northern Long-eared Bat roosting (3 inches or greater diameter-at-breast height, living or dead, with loose hanging bark, or with cracks, crevices, or cavities) from April 1 through September 30.
- 4. Appropriately designed measures for controlling erosion and sediment must be implemented to prevent sediment from entering the waterbody or leaving the construction site; maintain these measures until construction is complete and all disturbed areas are stabilized.
- 5. Seed and protect all disturbed streambanks and slopes not protected by other methods that are 3:1 or steeper with erosion control blankets that are heavy-duty, biodegradable, and net free or that use loose-woven / Leno-woven netting to minimize the entrapment and snaring of small-bodied wildlife such as snakes and turtles (follow manufacturer's recommendations for selection and installation); seed and apply mulch on all other disturbed areas.
- 6. Plant five trees, 1 inch to 2 inches in diameter-at-breast height, for each tree which is removed that is 10 inches or greater in diameter-at-breast height.

Contact Staff:

Our agency appreciates this opportunity to be of service. Please contact me at RVanVoorhis@dnr.IN.gov or (317) 232-8163 if we can be of further assistance.

Rachel Van Voorhis
Rachel Van Voorhis
Environmental Coordinator
Division of Fish and Wildlife

Date: August 9, 2023



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Indiana Ecological Services Field Office 620 South Walker Street Bloomington, IN 47403-2121 Phone: (812) 334-4261 Fax: (812) 334-4273

In Reply Refer To: 10/08/2024 15:38:31 UTC

Project Code: 2024-0009372

Project Name: SR 13, Intersection Improvement Project, DES 2003082

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 enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

Please use the species list provided and visit the U.S. Fish and Wildlife Service's Region 3 Section 7 Technical Assistance website at - http://www.fws.gov/midwest/endangered/section7/s7process/index.html. This website contains step-by-step instructions which will help you

determine if your project will have an adverse effect on listed species and will help lead you through the Section 7 process. 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.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see https://www.fws.gov/program/migratory-bird-permit/what-we-do.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see https://www.fws.gov/library/collections/threats-birds.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of

Executive Order 13186, please visit https://www.fws.gov/partner/council-conservation-migratory-birds.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code 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
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

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:

Indiana Ecological Services Field Office 620 South Walker Street Bloomington, IN 47403-2121 (812) 334-4261

PROJECT SUMMARY

Project Code: 2024-0009372

Project Name: SR 13, Intersection Improvement Project, DES 2003082

Project Type: Road/Hwy - Maintenance/Modification

Project Description: This project is located at the intersection of SR 13 at Strawtown Avenue

in Hamilton and Madison Counties, Indiana. The proposed project is anticipated to include replacing the existing two-way stop with a single-lane roundabout (RAB). The RAB will include raised concrete islands, a center truck apron, outside truck aprons, new curb and gutters, a stormwater system, and new roadside ditches. The existing 15-inch corrugated metal pipe (CMP) will be replaced with a new 19-inch by 30-inch elliptical pipe. There is a suitable summer habitat adjacent to the project area. No trees will be removed as part of this project. On March 27, 2023, INDOT personnel from the Greenfield District stated that a review of the USFWS database did not indicate the presence of any endangered bat species in or within 0.5 miles of the project area. According to a culvert inspection by Kaskaskia Engineering Group, LLC on May 10th, 2023, no evidence of bats was seen or heard in the culvert. Permanent lighting changes are anticipated; temporary lighting changes

are possible due to the potential for nighttime construction. Construction is anticipated to begin in Spring 2026.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@40.13886144999999,-85.86304410530305,14z



Counties: Hamilton and Madison counties, Indiana

ENDANGERED SPECIES ACT SPECIES

There is a total of 3 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.

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. <u>NOAA Fisheries</u>, 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

Indiana Bat Myotis sodalis

Endangered

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

Species profile: https://ecos.fws.gov/ecp/species/5949

BIRDS

NAME STATUS
Whooping Crane *Grus americana* Experimental

Population: U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY)

No critical habitat has been designated for this species.

Species profile: https://ecos.fws.gov/ecp/species/758

Population, Non-Essential

INSECTS

NAME STATUS

Monarch Butterfly *Danaus plexippus*

Candidate

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743

CRITICAL HABITATS

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

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act¹ and the Migratory Bird Treaty Act².

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats³, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

- 1. The Bald and Golden Eagle Protection Act of 1940.
- 2. The Migratory Birds Treaty Act of 1918.
- 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

There are likely bald eagles present in your project area. For additional information on bald eagles, refer to <u>Bald Eagle Nesting and Sensitivity to Human Activity</u>

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME BREEDING SEASON

Bald Eagle *Haliaeetus leucocephalus*

Breeds Oct 15 to Aug 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

https://ecos.fws.gov/ecp/species/1626

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (**•**)

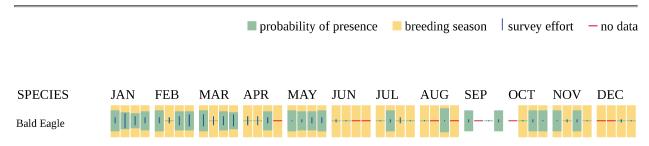
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (-)

A week is marked as having no data if there were no survey events for that week.



Non-BCC Vulnerable

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

- 1. The Migratory Birds Treaty Act of 1918.
- 2. The Bald and Golden Eagle Protection Act of 1940.
- 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

	BREEDING
NAME	SEASON
American Golden-plover <i>Pluvialis dominica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
https://ecos.fws.gov/ecp/species/10561	

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Aug 31
Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9406	Breeds Mar 15 to Aug 25
Lesser Yellowlegs <i>Tringa flavipes</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Pectoral Sandpiper <i>Calidris melanotos</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9561	Breeds elsewhere
Prothonotary Warbler <i>Protonotaria citrea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9439	Breeds Apr 1 to Jul 31
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9398	Breeds May 10 to Sep 10
Rusty Blackbird <i>Euphagus carolinus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9478	Breeds elsewhere
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9431	Breeds May 10 to Aug 31

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (

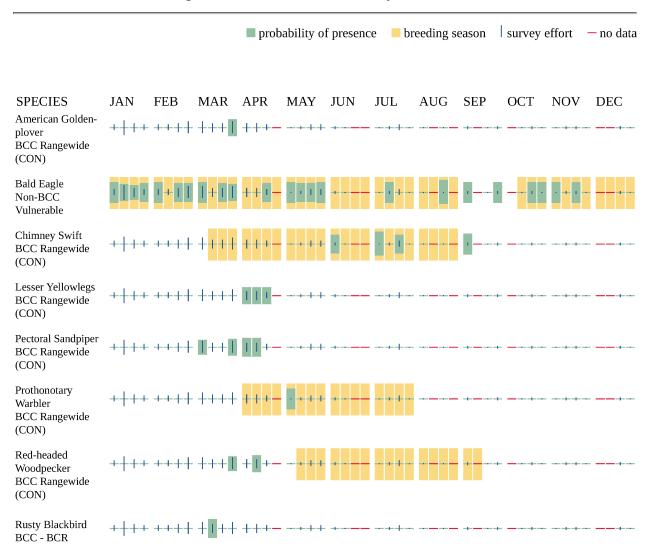
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

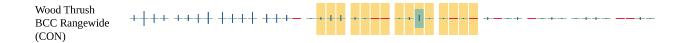
Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (-)

A week is marked as having no data if there were no survey events for that week.





Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

WETLANDS

Impacts to <u>NWI wetlands</u> and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local <u>U.S. Army Corps of Engineers District</u>.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.

IPAC USER CONTACT INFORMATION

Agency: Kaskaskia Engineering Group

Name: Erin Purdy Address: 323 Main St City: Evansville

State: IN Zip: 47708

Email epurdy@kaskaskiaeng.com

Phone: 6182335877

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration

You have indicated that your project falls under or receives funding through the following special project authorities:

■ BIPARTISAN INFRASTRUCTURE LAW (BIL) (OTHER)



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Indiana Ecological Services Field Office 620 South Walker Street Bloomington, IN 47403-2121 Phone: (812) 334-4261 Fax: (812) 334-4273

In Reply Refer To: 05/13/2024 18:33:20 UTC

Project code: 2024-0009372

Project Name: SR 13, Intersection Improvement Project, DES 2003082

Subject: Concurrence verification letter for the 'SR 13, Intersection Improvement Project, DES

2003082' project under the amended February 5, 2018, FHWA, FRA, FTA

Programmatic Biological Opinion (dated March 23, 2023) for Transportation Projects

within the Range of the Indiana Bat and Northern Long-eared Bat (NLEB).

To whom it may concern:

The U.S. Fish and Wildlife Service (Service) has received your request dated May 13, 2024 to verify that the **SR 13, Intersection Improvement Project, DES 2003082** (Proposed Action) may rely on the concurrence provided in the amended February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion (dated March 23, 2023) for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat (PBO) to satisfy requirements under Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 *et seq.*).

Based on the information you provided (Project Description shown below), you have determined that the Proposed Action is within the scope and adheres to the criteria of the PBO, including the adoption of applicable avoidance and minimization measures. At least one of the qualification interview questions indicated an activity or portion of your project is consistent with a not likely to adversely affect determination therefore, the overall determination for your project is, may affect, and is not likely to adversely affect (NLAA) the endangered Indiana bat (*Myotis sodalis*) and/or the endangered northern long-eared bat (*Myotis septentrionalis*). Consultation with the Service pursuant to section 7(a)(2) of ESA (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) is required.

The Service has 14 calendar days to notify the lead Federal action agency or designated non-federal representative if we determine that the Proposed Action does not meet the criteria for a NLAA determination under the PBO. If we do <u>not</u> notify the lead Federal action agency or designated non-federal representative within that timeframe, you may proceed with the Proposed Action under the terms of the NLAA concurrence provided in the PBO. This verification period allows Service Field Offices to apply local knowledge to implementation of the PBO, as we may

identify a small subset of actions having impacts that were unanticipated. In such instances, Service Field Offices may request additional information that is necessary to verify inclusion of the proposed action under the PBO.

For Proposed Actions that include bridge/culvert or structure removal, replacement, and/or maintenance activities: If your initial bridge/culvert or structure assessment documented signs of bat use or occupancy, or an assessment failed to detect Indiana bats and/or NLEBs, yet are later detected prior to, or during construction, please submit the Post Assessment Discovery of Bats at Bridge/Culvert or Structure Form (User Guide Appendix E) to this Service Office within 2 working days of any potential take. In these instances, potential incidental take of Indiana bats and/or NLEBs is covered under the Incidental Take Statement in the 2018 FHWA, FRA, FTA PBO (provided that the take is reported to the Service).

If the Proposed Action is modified, or new information reveals that it may affect the Indiana bat and/or northern long-eared bat in a manner or to an extent not considered in the PBO, further review to conclude the requirements of ESA Section 7(a)(2) may be required.

For Proposed Actions that include bridge/culvert or structure removal, replacement, and/or maintenance activities:

If your initial bridge/culvert or structure assessments failed to detect Indiana bats and/or NLEB use or occupancy, yet bats are later detected prior to, or during construction, please submit the Post Assessment Discovery of Bats at Bridge/Culvert or Structure Form (User Guide Appendix E) to this Service Office within 2 working days of the incident. In these instances, potential incidental take of Indiana bats and/or NLEBs may be exempted provided that the take is reported to the Service.

If the Proposed Action may affect any other federally-listed or proposed species, and/or any designated critical habitat, additional consultation between the lead Federal action agency and this Service Office is required. If the proposed action has the potential to take bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act may also be required. In either of these circumstances, please contact this Service Office.

The following species may occur in your project area and **are not** covered by this determination:

- Monarch Butterfly Danaus plexippus Candidate
- Tricolored Bat *Perimyotis subflavus* Proposed Endangered
- Whooping Crane *Grus americana* Experimental Population, Non-Essential

PROJECT DESCRIPTION

The following project name and description was collected in IPaC as part of the endangered species review process.

NAME

SR 13, Intersection Improvement Project, DES 2003082

DESCRIPTION

This project is located at the intersection of SR 13 at Strawtown Avenue in Hamilton and Madison Counties, Indiana. The proposed project is anticipated to include replacing the existing two-way stop with a single-lane roundabout (RAB). The RAB will include raised concrete islands, a center truck apron, outside truck aprons, new curb and gutters, a stormwater system, and new roadside ditches. The existing 15-inch corrugated metal pipe (CMP) will be replaced with a new 19-inch by 30-inch elliptical pipe. There is a suitable summer habitat adjacent to the project area. No trees will be removed as part of this project. On March 27, 2023, INDOT personnel from the Greenfield District stated that a review of the USFWS database did not indicate the presence of any endangered bat species in or within 0.5 miles of the project area. According to a culvert inspection by Kaskaskia Engineering Group, LLC on May 10th, 2023, no evidence of bats was seen or heard in the culvert. Permanent lighting changes are anticipated; temporary lighting changes are possible due to the potential for nighttime construction. Construction is anticipated to begin in Spring 2026.

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@40.13884605,-85.86310125960335,14z



DETERMINATION KEY RESULT

Based on your answers provided, this project(s) may affect, but is not likely to adversely affect the endangered Indiana bat and/or the endangered northern long-eared bat, therefore, consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended 16 U.S.C. 1531 *et seq.*) is required. However, also based on your answers provided, this project may rely on the concurrence provided in the amended February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion (dated March 23, 2023) for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat.

QUALIFICATION INTERVIEW

- 1. Is the project within the range of the Indiana bat^[1]?
 - [1] See Indiana bat species profile

Automatically answered

Yes

- 2. Is the project within the range of the northern long-eared bat^[1]?
 - [1] See northern long-eared bat species profile

Automatically answered

Yes

- 3. Which Federal Agency is the lead for the action?
 - A) Federal Highway Administration (FHWA)
- 4. Are *all* project activities limited to non-construction^[1] activities only? (examples of non-construction activities include: bridge/abandoned structure assessments, surveys, planning and technical studies, property inspections, and property sales)
 - [1] Construction refers to activities involving ground disturbance, percussive noise, and/or lighting. *No*
- 5. Does the project include *any* activities that are **greater than** 300 feet from existing road/rail surfaces^[1]?
 - [1] Road surface is defined as the actively used [e.g. motorized vehicles] driving surface and shoulders [may be pavement, gravel, etc.] and rail surface is defined as the edge of the actively used rail ballast.

No

- 6. Does the project include *any* activities **within** 0.5 miles of a known Indiana bat and/or NLEB hibernaculum^[1]?
 - [1] For the purpose of this consultation, a hibernaculum is a site, most often a cave or mine, where bats hibernate during the winter (see suitable habitat), but could also include bridges and structures if bats are found to be hibernating there during the winter.

No

Project code: 2024-0009372 05/13/2024 18:33:20 UTC

- 7. Is the project located within a karst area? No
- 8. Is there *any* suitable^[1] summer habitat for Indiana Bat or NLEB **within** the project action area^[2]? (includes any trees suitable for maternity, roosting, foraging, or travelling habitat)
 - [1] See the Service's summer survey guidance for our current definitions of suitable habitat.
 - [2] The action area is defined as all areas to be affected directly or indirectly by the Federal action and not merely the immediate area involved in the action (50 CFR Section 402.02). Further clarification is provided by the User's Guide for the Range-wide Programmatic Consultation for Indiana Bat and Northern Long-eared Bat.

Yes

- 9. Will the project remove *any* suitable summer habitat^[1] and/or remove/trim any existing trees within suitable summer habitat?
 - [1] See the Service's summer survey guidance for our current definitions of suitable habitat. No
- 10. Have presence/probable absence (P/A) summer surveys^{[1][2]} been conducted^{[3][4]} within the suitable habitat located within your project action area?
 - [1] See the Service's summer survey guidance for our current definitions of suitable habitat.
 - [2] Presence/probable absence summer surveys conducted within the fall swarming/spring emergence home range of a documented Indiana bat hibernaculum (contact local Service Field Office for appropriate distance from hibernacula) that result in a negative finding requires additional consultation with the local Service Field Office to determine if clearing of forested habitat is appropriate and/or if seasonal clearing restrictions are needed to avoid and minimize potential adverse effects on fall swarming and spring emerging Indiana bats.
 - [3] For projects within the range of either the Indiana bat or NLEB in which suitable habitat is present, and no bat surveys have been conducted, the transportation agency will assume presence of the appropriate species. This assumption of presence should be based upon the presence of suitable habitat and the capability of bats to occupy it because of their mobility.
 - [4] Negative presence/probable absence survey results obtained using the summer survey guidance are valid for a minimum of two years from the completion of the survey unless new information (e.g., other nearby surveys) suggest otherwise.

No

11. Does the project include activities **within documented Indiana bat habitat**^{[1][2]}?

[1] Documented roosting or foraging habitat – for the purposes of this consultation, we are considering documented habitat as that where Indiana bats and/or NLEB have actually been captured and tracked using (1) radio telemetry to roosts; (2) radio telemetry biangulation/triangulation to estimate foraging areas; or (3) foraging areas with repeated use documented using acoustics. Documented roosting habitat is also considered as suitable summer habitat within 0.25 miles of documented roosts.)

[2] For the purposes of this key, we are considering documented corridors as that where Indiana bats and/or NLEB have actually been captured and tracked to using (1) radio telemetry; or (2) treed corridors located directly between documented roosting and foraging habitat.

No

- 12. Does the project include activities **within documented NLEB habitat**^{[1][2]}?
 - [1] Documented roosting or foraging habitat for the purposes of this consultation, we are considering documented habitat as that where Indiana bats and/or NLEB have actually been captured and tracked using (1) radio telemetry to roosts; (2) radio telemetry biangulation/triangulation to estimate foraging areas; or (3) foraging areas with repeated use documented using acoustics. Documented roosting habitat is also considered as suitable summer habitat within 0.25 miles of documented roosts.)
 - [2] For the purposes of this key, we are considering documented corridors as that where Indiana bats and/or NLEB have actually been captured and tracked to using (1) radio telemetry; or (2) treed corridors located directly between documented roosting and foraging habitat.

No

13. Does the project include wetland or stream protection activities associated with compensatory wetland mitigation?

No

14. Does the project include slash pile burning?

No

- 15. Does the project include *any* bridge removal, replacement, and/or maintenance activities (e.g., any bridge repair, retrofit, maintenance, and/or rehabilitation work)? *Yes*
- 16. Is there *any* suitable habitat^[1] for Indiana bat or NLEB **within** 1,000 feet of the bridge? (includes any trees suitable for maternity, roosting, foraging, or travelling habitat)
 - [1] See the Service's current <u>summer survey guidance</u> for our current definitions of suitable habitat. *Yes*

- 17. Has a bridge assessment^[1] been conducted **within** the last 24 months^[2] to determine if the bridge is being used by bats?
 - [1] See <u>User Guide Appendix D</u> for bridge/structure assessment guidance
 - [2] Assessments must be completed no more than 2 years prior to conducting any work below the deck surface on all bridges that meet the physical characteristics described in the Programmatic Consultation, regardless of whether assessments have been conducted in the past. Due to the transitory nature of bat use, a negative result in one year does not guarantee that bats will not use that bridge/structure in subsequent years.

Yes

SUBMITTED DOCUMENTS

- 21-1155.03_2003082_USFWS Bat Form for Structures.pdf https://ipac.ecosphere.fws.gov/project/HZTLW3FXRVB37HZZG47JJZPQVE/projectDocuments/143163463
- 18. Did the bridge assessment detect *any* signs of Indiana bats and/or NLEBs roosting in/under the bridge (bats, guano, etc.)^[1]?
 - [1] If bridge assessment detects signs of *any* species of bats, coordination with the local FWS office is needed to identify potential threatened or endangered bat species. Additional studies may be undertaken to try to identify which bat species may be utilizing the bridge prior to allowing *any* work to proceed.

Note: There is a small chance bridge assessments for bat occupancy do not detect bats. Should a small number of bats be observed roosting on a bridge just prior to or during construction, such that take is likely to occur or does occur in the form of harassment, injury or death, the PBO requires the action agency to report the take. Report all unanticipated take within 2 working days of the incident to the USFWS. Construction activities may continue without delay provided the take is reported to the USFWS and is limited to 5 bats per project.

No

19. Will the bridge removal, replacement, and/or maintenance activities include installing new or replacing existing **permanent** lighting?

No

20. Does the project include the removal, replacement, and/or maintenance of *any* structure other than a bridge? (e.g., rest areas, offices, sheds, outbuildings, barns, parking garages, etc.)

No

21. Will the project involve the use of **temporary** lighting *during* the active season? *Yes*

22. Is there *any* suitable habitat **within** 1,000 feet of the location(s) where **temporary** lighting will be used?

Yes

23. Will the project install new or replace existing **permanent** lighting? *Yes*

24. Is there *any* suitable habitat **within** 1,000 feet of the location(s) where **permanent** lighting will be installed or replaced?

Yes

25. Does the project include percussives or other activities (**not including tree removal/ trimming or bridge/structure work**) that will increase noise levels above existing traffic/background levels?

Yes

- 26. Will the activities that use percussives (**not including tree removal/trimming or bridge/ structure work**) and/or increase noise levels above existing traffic/background levels be conducted *during* the active season^[1]?
 - [1] Coordinate with the local Service Field Office for appropriate dates.

Yes

- 27. Will *any* activities that use percussives (**not including tree removal/trimming or bridge/ structure work**) and/or increase noise levels above existing traffic/background levels be conducted *during* the inactive season^[1]?
 - [1] Coordinate with the local Service Field Office for appropriate dates.

Yes

28. Are *all* project activities that are **not associated with** habitat removal, tree removal/ trimming, bridge and/or structure activities, temporary or permanent lighting, or use of percussives, limited to actions that DO NOT cause any additional stressors to the bat species?

Examples: lining roadways, unlighted signage, rail road crossing signals, signal lighting, and minor road repair such as asphalt fill of potholes, etc.

Yes

29. Will the project raise the road profile **above the tree canopy**?

No

30. Are the project activities that use percussives (not including tree removal/trimming or bridge/structure work) consistent with a Not Likely to Adversely Affect determination in this key?

Automatically answered

Yes, because the activities are within 300 feet of the existing road/rail surface, greater than 0.5 miles from a hibernacula, and conducted during the active season within undocumented habitat.

31. Are the project activities that use percussives (not including tree removal/trimming or bridge/structure work) and/or increase noise levels above existing traffic/background levels consistent with a No Effect determination in this key?

Automatically answered

Yes, because the activities are within 300 feet of the existing road/rail surface, greater than 0.5 miles from a hibernacula, and conducted during the inactive season

32. Is the bridge removal, replacement, or maintenance activities portion of this project consistent with a No Effect determination in this key?

Automatically answered

Yes, because the bridge has been assessed using the criteria documented in the BA and no signs of bats were detected

33. General AMM 1

Will the project 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 Avoidance and Minimization Measures?

Yes

34. Lighting AMM 1

Will *all* **temporary** lighting be directed away from suitable habitat during the active season?

Yes

35. Lighting AMM 2

Does the lead agency use the BUG (Backlight, Uplight, and Glare) system developed by the Illuminating Engineering Society^[1] to rate the amount of light emitted in unwanted directions?

[1] Refer to The BUG System—A New Way To Control Stray Light

Yes

36. Lighting AMM 2

Will the **permanent** lighting be designed to be as close to 0 for all three BUG ratings as possible, with a priority of "uplight" of 0 and "backlight" as low as practicable? *Yes*

PROJECT QUESTIONNAIRE

1. Have you made a No Effect determination for *all* other species indicated on the FWS IPaC generated species list?

N/A

2. Have you made a May Affect determination for *any* other species on the FWS IPaC generated species list?

N/A

3. Please describe the proposed bridge work:

The existing 15-inch corrugated metal pipe (CMP) will be replaced with a new 19-inch by 30-inch elliptical pipe.

4. Please state the timing of all proposed bridge work:

Spring 2026

5. Please enter the date of the bridge assessment:

May 10, 2023

AVOIDANCE AND MINIMIZATION MEASURES (AMMS)

This determination key result includes the committment to implement the following Avoidance and Minimization Measures (AMMs):

LIGHTING AMM 1

Direct temporary lighting away from suitable habitat during the active season.

LIGHTING AMM 2

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 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.

GENERAL AMM 1

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.

DETERMINATION KEY DESCRIPTION: FHWA, FRA, FTA PROGRAMMATIC CONSULTATION FOR TRANSPORTATION PROJECTS AFFECTING NLEB OR INDIANA BAT

This key was last updated in IPaC on October 30, 2023. Keys are subject to periodic revision.

This decision key is intended for projects/activities funded or authorized by the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), and/or Federal Transit Administration (FTA), which may require consultation with the U.S. Fish and Wildlife Service (Service) under Section 7 of the Endangered Species Act (ESA) for the endangered **Indiana bat** (*Myotis sodalis*) and the endangered **northern long-eared bat** (NLEB) (*Myotis septentrionalis*).

This decision key should <u>only</u> be used to verify project applicability with the Service's <u>amended February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion (dated March 23, 2023) for Transportation Projects</u>. The programmatic biological opinion covers limited transportation activities that may affect either bat species, and addresses situations that are both likely and not likely to adversely affect either bat species. This decision key will assist in identifying the effect of a specific project/activity and applicability of the programmatic consultation. The programmatic biological opinion is <u>not</u> intended to cover all types of transportation actions. Activities outside the scope of the programmatic biological opinion, or that may affect ESA-listed species other than the Indiana bat or NLEB, or any designated critical habitat, may require additional ESA Section 7 consultation.

IPAC USER CONTACT INFORMATION

Agency: Indiana Department of Transportation

Name: Delaney Weston Address: 32 S Broadway City: Greenfield

State: IN Zip: 46140

Email dweston@indot.in.gov

Phone: 3174673901

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration

You have indicated that your project falls under or receives funding through the following special project authorities:

■ BIPARTISAN INFRASTRUCTURE LAW (BIL) (OTHER)

APPENDIX D

Section 106 of the NHPA

FEDERAL HIGHWAY ADMINISTRATION'S SECTION 4(F) COMPLIANCE REQUIREMENTS (for historic properties) AND SECTION 106 FINDINGS AND DETERMINATIONS AREA OF POTENTIAL EFFECT ELIGIBILITY DETERMINATIONS 106 EFFECT FINDING

SR 13 AT STRAWTOWN AVENUE INTERSECTION IMPROVEMENT PROJECT DES. NO. 2003082

AREA OF POTENTIAL EFFECTS (Pursuant to 36 CFR Section 800.4(a)(1))

The area of potential effects (APE) is the "geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties, if any such properties exist. The APE is influenced by the scale and nature of the undertaking..." (36 CFR 800.16[d]).

The aboveground resources APE complies with INDOT's directive regarding APEs for streetscape improvements and roundabout (RAB) projects. Per the INDOT Cultural Resources Manual, the suggested APE for streetscape improvements, RABs, and trail projects includes adjacent properties and properties within the project viewshed (Part II, Chapter 5, Page 4). The APE is one parcel deep on all sides surrounding the immediate project footprint, with consideration given to broadened areas as appropriate for potential auditory or visual impacts. The APE generally follows parcel lines except where prudent to truncate or expand the survey area in consideration of potential visual impacts, thus resulting in an irregularly shaped polygon. The APE includes 170 acres (0.27 square mile) and is a mixture of agricultural and residential uses.

The archaeological APE for this project includes all areas with the potential for direct impact, including the project area, utility easement, existing right-of-way, and proposed right-of-way.

ELIGIBILITY DETERMINATIONS (Pursuant to 36 CFR 800.4(c)(2))

BUKOURICZ HOUSE (CA.1928)

The Bukouricz House (ca.1928), 16528 Strawtown Avenue, is located along the north side of Strawtown Avenue just west of Atlantic Avenue (SR 13). The historic property boundary consists of one tax parcel, 07-04-32-00-00-013.001, measuring 1.0 acre. The parcel contains a single residential building and no outbuildings. The Bukouricz House is a one-and-one-half-story, wood-frame dwelling constructed ca. 1928. It has an asymmetric massed plan with a side-gabled roof and a hipped rear addition. Although the exterior has been slightly altered, it exhibits classic Craftsman detailing and form. Constructed near the end of the Craftsman period of popularity (ca. 1905-1930), this house incorporated many of the trend's most recognizable identifying features. The Burkouricz House is eligible for listing in the NRHP under Criterion C for its embodiment of the distinctive characteristics of the Craftsman type, period, and method of construction.

EFFECT FINDING

BUKOURICZ HOUSE (CA.1928)—No Adverse Effect.

INDOT, acting on FHWA's behalf, has determined a "No Adverse Effect" finding is appropriate for this undertaking. INDOT respectfully requests the Indiana State Historic Preservation Officer provide written concurrence with the Section 106 determination of effect.

SECTION 4(F) COMPLIANCE REQUIREMENTS (for historic properties)

BUKOURICZ HOUSE (CA.1928)

This undertaking will not convert property from the Bukouricz House, a Section 4(f) historic property, to a transportation use; the INDOT, acting on FHWA's behalf, has determined the appropriate Section 106 finding is "No Adverse Effect"; therefore no Section 4(f) evaluation is required for the Bukouricz House.

Matthew S. Coon, for FHWA

Manager

INDOT Cultural Resources

November 4, 2024

Approved Date

FEDERAL HIGHWAY ADMINISTRATION DOCUMENTATION OF SECTION 106 FINDING OF NO ADVERSE EFFECT

SUBMITTED TO THE STATE HISTORIC PRESERVATION OFFICER PURSUANT TO 36 CFR SECTION 800.5(C)

SR 13 AT STRAWTOWN AVENUE INTERSECTION IMPROVEMENT PROJECT DES. NO. 2003082

1. DESCRIPTION OF THE UNDERTAKING

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration (FHWA), proposes to proceed with the SR 13 at Strawtown Avenue Intersection Improvement Project (Des. No. 2003082). The undertaking is located at SR 13 and Strawtown Avenue (8th Street Road) in Madison and Hamilton counties. It is located within Jackson Township (Madison County) and White River Township (Hamilton County) and appears on the Frankton, IN, USGS quadrangle in Sections 32 (Hamilton County) and 33 (Madison County), Township 20N, Range 6E.

Purpose and Need

The purpose of this project is to reduce or eliminate the high frequency and severity of crashes at the SR 13 at Strawtown Avenue intersection while maintaining good intersection mobility.

The identified need at this location involves the very high frequency of severe crashes compared to the volume of traffic at this intersection, specifically, the high frequency and severity of right-angle crashes. The two minor approaches at the intersection are offset from each other and both intersect SR 13 at a skew, which adds additional time for decision making and maneuvering and increases the exposure window for users. Sightlines at the intersection are very poor. The topography at the intersection causes sight distance issues with westbound traffic on the east approach. Approach speeds on SR 13 are high when compared to the minor road approaches.

Crash data from 2017 to 2019 was analyzed for the intersection. During this timeframe, there were a total of 22 crashes, 15 of which were right-angle crashes, three rear-end crashes, two run-off-the-road crashes, and one other crash. Of the 22 crashes, eight resulted in injury, with seven being incapacitating and one non-incapacitating. The remaining 14 crashes involved property damage. The intersection was analyzed via RoadHAT 3 (a road hazard analysis tool) that determined the statistics of Index of Crash Costs (ICC) and Index of Crash Frequency (ICF). The ICC for this intersection is 2.68, indicating that it is prone to crashes of significant severity and cost. The ICF of the intersection is 4.17, indicating that the frequency of crashes at this intersection is exceptionally higher than what should be expected for an intersection of similar vehicular volume.

Project Description/ Preferred Alternative

INDOT and the FHWA intend to proceed with the preferred alternative, which includes replacing the existing two-way stop with a single-lane RAB. The proposed RAB will reduce the existing intersection skew and eliminate the offset between the minor leg approaches. The RAB will include raised concrete islands, a center truck apron, and outside truck aprons. The preferred alternative includes new curb and gutters, a stormwater system, new roadside ditches, improved sight distance, and new lighting. Vehicle speeds will also be reduced at the intersection. Collisions associated with unprotected left-hand turns will also be reduced.

The project will require the acquisition of approximately 4.09 acres of permanent right-of-way (ROW) and approximately 0.55 acre of temporary ROW to reinstate existing entrances. No relocations are proposed.

Proposed excavation along the project corridor includes the removal of the existing roadway and roadbed to a depth of approximately four feet, a drainage system with pipes and structure depths ranging from three-to-four feet deep, and excavation to install lighting foundations at a depth of eight feet.

Area of Potential Effects

The area of potential effects (APE) is the "geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties, if any such properties exist. The APE is influenced by the scale and nature of the undertaking..." (36 CFR 800.16[d]).

The aboveground resources APE complies with INDOT's directive regarding APEs for streetscape improvements and roundabout (RAB) projects. Per the INDOT Cultural Resources Manual, the suggested APE for streetscape improvements, RABs, and trail projects includes adjacent properties and properties within the project viewshed (Part II, Chapter 5, Page 4). The APE is one parcel deep on all sides surrounding the immediate project footprint, with consideration given to broadened areas as appropriate for potential auditory or visual impacts. The APE generally follows parcel lines except where prudent to truncate or expand the survey area in consideration of potential visual impacts, thus resulting in an irregularly shaped polygon. The APE includes 170 acres (0.27 square mile) and is a mixture of agricultural and residential uses.

The archaeological APE for this project includes all areas with the potential for direct impact, including the project area, utility easement, existing right-of-way, and proposed right-of-way.

2. EFFORTS TO IDENTIFY HISTORIC PROPERTIES

Identification of Historic Properties

Project historians used historical maps and aerial photographs to determine the historic development of the project area/APE. In this way, historians were able to locate above-ground resources not previously surveyed that will be 50 years of age or older by the time of project letting. Cartographic resources used for this purpose include USGS topographic quadrangle maps and historic aerial photographs.

A field survey, consisting of a vehicular and pedestrian examination of the APE, was conducted May 8-11, 2023, to verify the condition of any previously recorded resources [there were none] and to identify and evaluate previously unrecorded resources within the APE that are at least 50 years of age by the time of project letting, meaning they were constructed in or before 1974. Documentation of each resource included, where appropriate, the completion of historic resource field forms, field notes, sketches, site plans, and digital photography.

Following the literature review and field work, the project historians identified two above-ground resources that are 50 years of age or older within the APE: the J. Zeller House (9910 W 8th Street, Anderson, IN) and the Bukouricz House (16528 Strawtown Avenue, Noblesville, IN).

After project historians identified the above-ground resources, they conducted research to determine whether any previously recorded or newly identified above-ground resources might merit a Notable or Outstanding rating in the Indiana Historic Sites and Structures Inventory (IHSSI). The HPSR was distributed to consulting parties on November 8, 2023, and recommended that both houses be rated Contributing according to IHSSI standards.

On December 8, 2023, Beth McCord, Deputy State Historic Preservation Officer, provided comments on the HPSR on behalf of the Division of Historic Preservation and Archaeology (DHPA). The letter disagreed with the findings of the HPSR, saying that the "Bukouricz House may be eligible for the National Register of Historic Places under Criterion C in the area of architecture." In order to advance the Section 106 process, INDOT CRO has agreed to treat this property as eligible for the purposes of this undertaking.

The HPSR was first distributed to consulting parties on November 8, 2023. The Indiana SHPO responded to the findings of the HPSR in a letter dated December 8, 2023.

The Archaeology Short Report (ASR) was first distributed to consulting parties on May 2, 2024.

Copies of the abstracts and summary/conclusion pages from the HPSR, Effects Report, and ASR are included in Appendix D.

3. DESCRIBE AFFECTED HISTORIC PROPERTIES

BUKOURICZ HOUSE (ca. 1928)

There is one historic property within the project APE—the Bukouricz House (ca.1928), 16528 Strawtown Avenue. The Bukouricz House is located along the north side of Strawtown Avenue just west of Atlantic Avenue (SR 13). The property's mailing address is Noblesville; however, the building is nearest to Perkinsville and Strawtown, Indiana. The historic property boundary consists of one tax parcel, 07-04-32-00-00-013.001, measuring 1.0 acre. The parcel contains a single residential building and no outbuildings. The adjacent parcel, immediately to the west (07-04-32-00-00-013.002), is also owned by the Bukouricz heirs. That parcel contains a multi-purpose chicken house/sheep barn and a second barn with an attached garage.

The Bukouricz House is a one-and-one-half-story, wood-frame dwelling constructed ca. 1928. It has an asymmetric massed plan with a side-gabled roof and a hipped rear addition. Although the exterior has been slightly altered, it exhibits classic Craftsman detailing and form. Constructed near the end of the Craftsman period of popularity (ca. 1905-1930), this house incorporated many of the trend's most recognizable identifying features.

The Burkouricz House is eligible for listing in the NRHP under Criterion C for its embodiment of the distinctive characteristics of the Craftsman type, period, and method of construction. The exterior of the house retains many stylistic details that convey the style, which was popular from ca. 1905-1930. Character-defining features include the low-pitched gabled roof with wide, unenclosed eave overhangs and exposed rafter tails; decorative brackets; centered dormer windows; full porch/veranda with cedar shingles and three-centered arches; and any original doors and windows.

4. DESCRIBE THE UNDERTAKING'S EFFECTS ON HISTORIC PROPERTIES

BUKOURICZ HOUSE (ca. 1928)

Under the Preferred Alternative, the proposed project replaces the existing two-way stop at the intersection of SR 13 and Strawtown Avenue with a single-lane RAB. From the west, the approach to the RAB begins at Station 10+50.00 (UTM Northing 20568.11; Easting 825207.26), approximately 585 feet east of the centerline of SR 13. The nearest edge of the Burkouricz House property is approximately 727 feet east of the centerline of SR 13. The Burkouricz House, therefore, is approximately 142 feet west of the nearest project limits and ROW acquisition. The project will have no direct impact upon the Burkouricz House.

5. EXPLAIN APPLICATION OF CRITERIA OF ADVERSE EFFECT -- INCLUDE CONDITIONS OR FUTURE ACTIONS TO AVOID, MINIMIZE OR MITIGATE ADVERSE EFFECTS

The NRHP-eligible Bukouricz House is located within the APE of the proposed undertaking, meaning, the historic property has the potential to be be affected by the undertaking (per 36 CFR 800.4(d)(2)).

The below discussion and examples pertain to the application of the criteria of adverse effect. 36 CFR § 800.5(a)(1) states:

An adverse effect is found when an undertaking may alter, directly or indirectly, any of the characteristics of a historic property that qualify the property for inclusion in the National Register in a manner that would diminish the integrity of the property's location, design, setting, materials, workmanship, feeling, or association. Consideration shall be given to all qualifying characteristics of a historic property, including those that may have been identified subsequent to the original evaluation of the property's eligibility for the National Register. Adverse effects may include reasonably foreseeable effects caused by the undertaking that may occur later in time, be farther removed in distance or be cumulative.

When considering adverse effects, agencies often look to 36 CFR 800.5(a)(2), *Examples of Adverse Effects*, for guidance on identifying possible adverse effects. Within the regulations, adverse effects on historic properties include, but are not limited to:

- (i) Physical destruction of or damage to all or part of the property;
- (ii) Alteration of a property, including restoration, rehabilitation, repair, maintenance, stabilization, hazardous material remediation and provision of handicapped access, that is not consistent with the Secretary's Standards for the Treatment of Historic Properties (36 CFR§68) and applicable guidelines;
- (iii) Removal of the property from its historic location;
- (iv) Change of the character of the property's use or of physical features within the property's setting that contribute to its historic significance;
- (v) Introduction of visual, atmospheric, or audible elements that diminish the integrity of the property's significant historic features;

(vi) Neglect of a property which causes its deterioration, except where such neglect and deterioration are recognized qualities of a property of religious and cultural significance to an Indian tribe or Native Hawaiian organization; and

Transfer, lease, or sale of property out of Federal ownership or control without adequate and enforceable restrictions or conditions to ensure long-term preservation of the property's historic significance.

BUKOURICZ HOUSE (ca. 1928)

The discussion below considers the effects of the proposed undertaking on the Bukouricz House using the examples given in 36 CFR 800.5(a)(2).

- (i) **Physical destruction of or damage to all or part of the property**: The proposed undertaking will not result in the physical destruction or damage to any part of the Bukouricz House.
- (ii) Alteration of a property, including restoration, rehabilitation, repair, maintenance, stabilization, hazardous material remediation and provision of handicapped access, that is not consistent with the Secretary's Standards for the Treatment of Historic Properties (36 CFR§68) and applicable guidelines: The proposed undertaking will not result in the "restoration, rehabilitation, repair, maintenance, stabilization, hazardous material remediation and/[or] provision of handicapped access" to the Bukouricz House.
- (iii) **Removal of the property from its historic location**: The proposed undertaking will not remove the Bukouricz House from its historic location.
- (iv) Change of the character of the property's use or of physical features within the property's setting that contribute to its historic significance: The proposed undertaking will not change the character of the historic property's use as the property's residential use is likely to remain unchanged. None of the property's character-defining features that contribute to its architectural significance will be altered or diminished.
 - Introduction of visual, atmospheric, or audible elements that diminish the integrity of the property's significant historic features: The proposed undertaking will not introduce visual, atmospheric, or audible elements that diminish the integrity of the Bukouricz House's significant historic features. The nearest roadway improvement will occur approximately 142 feet east of the historic property boundary at its southeast corner. There, slight roadway modifications have no potential to visually affect the historic property due to their distance from the historic property (142 feet), and due to the inobtrusive nature of the undertaking at that location (paving). Furthermore, mature coniferous trees along the eastern boundary of the Burkouricz House property line provide a visual buffer between the historic property and the undertaking, serving to eliminate the line of sight between the two. In addition, the installation of streetlights within the roadway improvement area will not introduce new visual elements as lighting is already present along Strawtown Avenue (a streetlight is located at the driveway to the Burkouricz House). Due to the existing streetlight in front of the historic property, the installation of additional streetlights farther away from the historic property does not have the potential to visually affect the resource.
- (v) Neglect of a property which causes its deterioration, except where such neglect and deterioration are recognized qualities of a property of religious and cultural significance to an Indian tribe or Native Hawaiian

organization: The proposed undertaking will not cause neglect of the Bukouricz House resulting in its deterioration.

(vi) Transfer, lease, or sale of property out of Federal ownership or control without adequate and enforceable restrictions or conditions to ensure long-term preservation of the property's historic significance: The Bukouricz House is not under Federal ownership or control.

6. SUMMARY OF CONSULTING PARTIES AND PUBLIC VIEWS

An Early Coordination Letter (ECL) was sent to potential non-tribal and tribal consulting parties on April 28, 2023. Identified consulting parties and copies of correspondence are located in Appendix B. Invited consulting parties include:

- Beth McCord, Director and Deputy State Historic Preservation Officer, Indiana Division of Historic Preservation and Archaeology (DHPA-SHPO)
- Darlene Likens, Commissioner, Madison County
- John Richwine, Commissioner, Madison County
- Olivia Pratt, Commissioner, Madison County
- Mark Heirbrandt, Commissioner, Hamilton County
- Christine Altman, Commissioner, Hamilton County
- Steve Dillinger, Commissioner, Hamilton County
- Jerrold Bridges, Regional Director, Madison County Council of Governments (MCCOG)
- Dave Benefiel, ACIP, Principal Transportation Planner, Anderson MPO
- Brittany Miller, Eastern Regional Office, Director, Indiana Landmarks
- Stephen T. Jackson, Madison County Historian
- David Heighway, Hamilton County Historian
- Richard E. Kreegar, President, Madison County Historical Society
- Hamilton County Historical Society
- Scott Harless, Highway Superintendent, Madison County
- Bradley Davis, Highway Director, Hamilton County
- Absentee Shawnee Tribe of Oklahoma
- Delaware Nation of Oklahoma
- Delaware Tribe of Indians
- Eastern Shawnee Tribe of Oklahoma
- Forest County Potawatomi Community
- Miami Tribe of Oklahoma
- Peoria Tribe of Indians of Oklahoma
- Pokagon Band of Potawatomi Indians
- Shawnee Tribe

On May 1, 2023, in response to the ECL, Brittany Miller, Director of Indiana Landmark's Eastern Regional Office, requested (via email) to be included as a consulting party.

On May 1, 2023, Alex Brooks, Community Preservation Specialist for Indiana Landmarks, requested to be added as a representative of Tipton and Hamilton Counties, along with Mark Dollase.

On May 1, 2023, Ben Rhodd, Tribal Historic Preservation Officer for the Forest County Potawatomi Tribe (FCPT), offered a preliminary finding of "No Historic Properties" affected with significance to the FCPT.

On May 5, 2023, Diane Hunter, Tribal Historic Preservation Officer for the Miami Tribe of Oklahoma, sent a letter to INDOT CRO stating that the tribe has "no objection" to the proposed project at this time.

On May 30, 2023, Carissa Speck, Historic Preservation Director for the Delaware Nation, responded to the Early Coordination Letter (EC), stating that the tribe should be alerted "should any human remains and/or any Native American archaeological resources inadvertently be uncovered."

On May 30, 2023, Beth McCord, Deputy State Historic Preservation Officer, accepted consulting party status and affirmed the list of identified consulting parties was accurate.

On June 7, 2023, Erin Paden, Tribal Historic Preservation Specialist for the Shawnee Tribe, sent an email accepting consulting party status.

On June 20, 2023, Paul Barton, Tribal Historic Preservation Officer for the Eastern Shawnee Tribe of Oklahoma, sent a letter to INDOT CRO stating that the project poses "no adverse effect" to known sites of interest to the Eastern Shawnee Tribe.

On November 8, 2023, the Historic Property Short Report was distributed to tribal and non-tribal consulting parties.

On November 10, 2023, Brittany Miller, Director of Landmarks Eastern Regional Office, sent an email indicating that she had no comments at this time.

On December 8, 2023, Beth McCord, Deputy State Historic Preservation Officer, provided comments on the HPSR on behalf of the Division of Historic Preservation and Archaeology (DHPA). The letter disagreed with the findings of the HPSR, saying that the "Bukouricz House may be eligible for the National Register of Historic Places under Criterion C in the area of architecture."

On December 14, 2023, Carissa Speck, Historic Preservation Director for the Delaware Nation, emailed INDOT CRO indicating that the tribe had no new concerns or questions related to the project.

On December 28, 2023, Paul Barton, Tribal Historic Preservation Officer for the Eastern Shawnee Tribe of Oklahoma, sent a letter to INDOT CRO stating that the project poses "no adverse effect" to known sites of interest to the Eastern Shawnee Tribe.

On December 28, 2023, Ben Rhodd, Tribal Historic Preservation Officer for the Forest County Potawatomi Tribe (FCPT), sent a letter indicating the project finding of "No Historic Properties" affected with significance to the FCPT.

On May 2, 2024, the Archaeological Short Report (ASR) was released on INSCOPE, emailed to SHPO, and physically mailed to SHPO.

On May 29, 2024, the Effects Report was distributed to tribal and non-tribal consulting parties. In addition, the ASR was distributed to tribal consulting parties on this day.

On May 31, 2024, Alex Brooks, Community Preservation Specialist for Indiana Landmarks, sent an email indicating "no objections to the project."

On June 28, 2024, Beth McCord, Deputy State Historic Preservation Officer, provided comments on the Effects Report on behalf of the Division of Historic Preservation and Archaeology (DHPA). The letter agreed that the project would not alter the characteristics of the Bukouricz House that qualify it for inclusion or eligibility in or eligibility for the National Register.

On July 25, 2024, Erin Paden, Tribal Historic Preservation Specialist for the Shawnee Tribe, sent INDOT CRO an email concurring that no known historic properties would be negatively impacted by this project. It also requested to be kept apprised of any potential discoveries.

On September 16, 2024, Beth McCord, Deputy State Historic Preservation Officer, provided comments on the Phase Ia Field Reconnaissance Survey Report on behalf of the Division of Historic Preservation and Archaeology (DHPA). The letter indicated "that no further archaeological investigations appear necessary at the proposed project area."

Copies of all consulting party coordination letters are included in Appendix B.

Michael Baker

Appendix A. Map

Documentation of Section 106 Finding of No Adverse Effect SR 13 at Strawtown Avenue Intersection Improvement Project

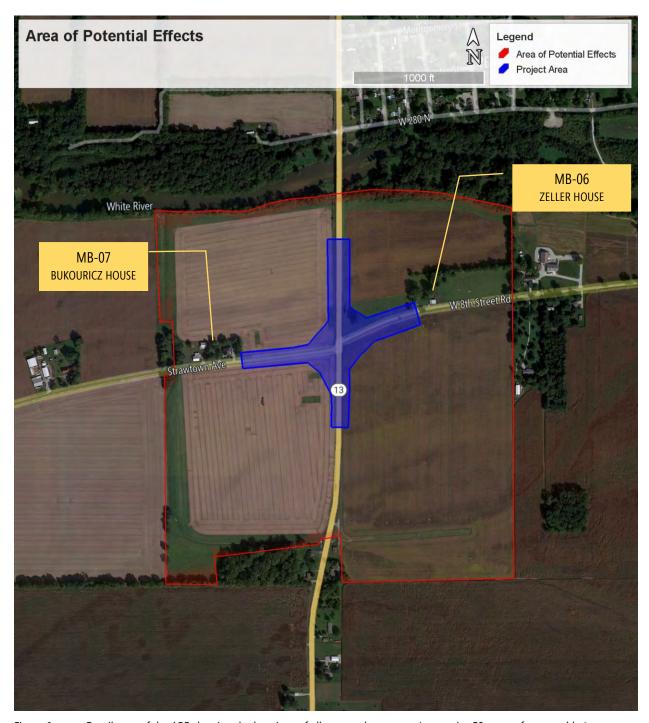


Figure 1. Detail map of the APE showing the locations of all surveyed resources (properties 50 years of age or older).

Michael Baker

Appendix B. Consulting Party Correspondence

Documentation of Section 106 Finding of No Adverse Effect SR 13 at Strawtown Avenue Intersection Improvement Project Identified consulting parties included the following (entities who accepted consulting party status are highlighted in **bold** font):

- Beth McCord, Director and Deputy State Historic Preservation Officer, Indiana Division of Historic Preservation and Archaeology (DHPA-SHPO)
- Darlene Likens, Commissioner, Madison County
- John Richwine, Commissioner, Madison County
- Olivia Pratt, Commissioner, Madison County
- Mark Heirbrandt, Commissioner, Hamilton County
- Christine Altman, Commissioner, Hamilton County
- Steve Dillinger, Commissioner, Hamilton County
- Jerrold Bridges, Regional Director, Madison County Council of Governments (MCCOG)
- Dave Benefiel, ACIP, Principal Transportation Planner, Anderson MPO
- Brittany Miller, Eastern Regional Office, Director, Indiana Landmarks
- Alex Brooks, Community Preservation Specialist, Indiana Landmarks
- Mark Dollase, Vice President, Indiana Landmarks
- Stephen T. Jackson, Madison County Historian
- David Heighway, Hamilton County Historian
- Richard E. Kreegar, President, Madison County Historical Society
- Hamilton County Historical Society
- Scott Harless, Highway Superintendent, Madison County
- Bradley Davis, Highway Director, Hamilton County
- Absentee Shawnee Tribe of Oklahoma
- Delaware Nation of Oklahoma
- Delaware Tribe of Indians
- Eastern Shawnee Tribe of Oklahoma
- Forest County Potawatomi Community
- Miami Tribe of Oklahoma
- Peoria Tribe of Indians of Oklahoma
- Pokagon Band of Potawatomi Indians
- Shawnee Tribe

Correspondence 1. April 28, 2023

From: Molnar, Katherine J

McCord, Beth K; Brittany Miller; heighwayd@earthlink.net; madisonCHS@sbcglobal.net; To:

hamiltoncomuseum@att.net; sharless@madisoncounty.in.gov; county.highway@hamiltoncounty.in.gov; dikens@madisoncountv.in.gov; prichwine@madisoncountv.in.gov; oprattt@madisoncountv.in.gov; ienv@heartlandmoo.ora; Dave@heartlandmoo.ora; madisoncountv.instorian@comcast.net; bradlev.davis@hamiltoncountv.in.gov; James W. Neal; mark.heirbrandt@hamiltoncountv.in.gov; christine.allman@hamiltoncountv.in.gov; StevenCbillinger@aol.com

Cc: Curtis, William; Zinn, Timothy; Bodor, Thomas; Heustis, Tom; Molly Barletta; Szewczak, Kimberly; Brinker, Haley;

Coon, Matthew

Subject: FHWA Project: Des. No. 2003082; SR 13 at Strawtown Avenue Intersection Improvement Project, Madison and

Hamilton counties, Indiana Date: Friday, April 28, 2023 11:18:31 AM

Attachments: SR 13-Strawtown Ave RAB Des2003082 ECL 2023-04-28.pdf

Des. No.: 2003082

Project Description: SR 13 at Strawtown Avenue Intersection Improvement Project Location: Perkinsville, Madison and Hamilton counties, Indiana

The Indiana Department of Transportation, with funding from the Federal Highway Administration, proposes to proceed with the SR 13 at Strawtown Avenue Intersection Improvement Project (Des. No. 2003082).

Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic properties. The following agencies/individuals are being invited to become consulting parties:

- · Beth McCord, Director and Deptuy State Historic Preservation Officer, Indiana Division of Historic Preservation and Archaeology (DHPA-SHPO)
- · Darlene Likens, Commissioner, Madison County
- · John Richwine, Commissioner, Madison County
- Olivia Pratt, Commissioner, Madison County
- Mark Heirbrandt, Commissioner, Hamilton County
- · Christine Altman, Commissioner, Hamilton County
- · Steve Dillinger, Commissioner, Hamilton County
- Jerrold Bridges, Regional Director, Madison County Council of Governments (MCCOG)
- Dave Benefiel, ACIP, Principal Transportation Planner, Anderson MPO
- · Brittany Miller, Eastern Regional Office, Director, Indiana Landmarks
- · Stephen T. Jackson, Madison County Historian
- · David Heighway, Hamilton County Historian

- · Richard E. Kreegar, President, Madison County Historical Society
- · Hamilton County Historical Society
- Scott Harless, Highway Superintendent, Madison County
- · Bradley Davis, Highway Director, Hamilton County
- · Absentee Shawnee Tribe of Oklahoma
- · Delaware Nation of Oklahoma
- · Delaware Tribe of Indians
- · Eastern Shawnee Tribe of Oklahoma
- · Forest County Potawatomi Community
- Miami Tribe of Oklahoma
- · Peoria Tribe of Indians of Oklahoma
- Pokagon Band of Potawatomi Indians
- · Shawnee Tribe

This letter is part of the early coordination phase of the environmental review process requesting comments associated with this project. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. Please use the above Des. Number and project description in your reply, and your comments will be incorporated into the formal environmental study.

Please review the attached letter, which is also located in IN SCOPE at http://erms12c.indot.in.gov/Section106Documents/ (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with your comments on any historic property impacts incurred as a result of this project so that an environmental report can be completed. We also welcome your related opinions and other input to be considered in the preparation of the environmental document. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comment. If we do not receive a response from an invited consulting party within the time allotted, the project will proceed consistent with the proposed design. Therefore, if we do not receive a response within thirty (30) days, your agency or organization will not receive any further information on the project unless the scope of work changes.

Tribal Contacts please respond to INDOT's Tribal Liaison, Matt Coon at mcoon@indot.in.gov (317-

697-9752) with any responses pertaining to this project including to provide INDOT/Indiana FHWA
additional information about Tribal resources/concerns and questions/comments regarding cultural
resources. The FHWA point of contact is Kari Carmany-George at K. Carmany-George @dot.gov (317-
226-5629).
Thank you in advance for your input,
Katie
Katherine J Molnar Architectural Historian
Rapid City, SD O 602-294-2250 M 970-482-8094
katherine.molnar@mbakerintl.com www.mbakerintl.com

Correspondence 2. April 28, 2023

From: Brinker, Haley

Sent: Friday, April 28, 2023 1:32 PM

To: snease@astribe.com; cspeck@delawarenation-nsn.gov; lheady@delawaretribe.org; sbachor@delawaretribe.org; thpo@estoo.net; THPO@MiamiNation.com; Matthew.Bussler@pokagonband-nsn.gov; bfletcher@peoriatribe.com; Section106 <Section106@shawnee-tribe.com>; Benjamin Rhodd <benjamin.rhodd@fcp-nsn.gov>

Cc: Curtis, William William.Curtis@mbakerintl.com; Zinn, Timothy <Tzinn@mbakerintl.com; Thomas.Bodor@mbakerintl.com; Molly Barletta <MBarletta@kaskaskiaeng.com; Szewczak, Kimberly <KSzewczak@indot.IN.gov>; Coon, Matthew <mcoon@indot.IN.gov>; Branigin, Susan <SBranigin@indot.IN.gov>; Kelly, Clint <CKelly1@indot.IN.gov>; Alexander, Kelyn <KAlexander3@indot.IN.gov>

Subject: FW: FHWA Project: Des. No. 2003082; SR 13 at Strawtown Avenue Intersection Improvement Project, Madison and Hamilton counties, Indiana

From: Molnar, Katherine J < Katherine. Molnar@mbakerintl.com >

Sent: Friday, April 28, 2023 1:19 PM

To: McCord, Beth K < BMccord@dnr.IN.gov>; Brittany Miller < bmiller@indianalandmarks.org>; heighwayd@earthlink.net; madisonCHS@sbcglobal.net; hamiltoncomuseum@att.net; sharless@madisoncounty.in.gov; county.highway@hamiltoncounty.in.gov; Likens, Darlene < dlikens@madisoncounty.in.gov>; irichwine@madisoncounty.in.gov; opratt@madisoncounty.in.gov: jerry@heartlandmpo.org; Dave@heartlandmpo.org; madisoncountyhistorian@comcast.net; bradley.davis@hamiltoncounty.in.gov; James W. Neal < James.Neal@hamiltoncounty.in.gov>; mark.heirbrandt@hamiltoncounty.in.gov; christine.altman@hamiltoncounty.in.gov; StevenCDillinger@aol.com

Cc: Curtis, William < Will

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

Des. No.: 2003082

Project Description: SR 13 at Strawtown Avenue Intersection Improvement Project Location: Perkinsville, Madison and Hamilton counties, Indiana

The Indiana Department of Transportation, with funding from the Federal Highway Administration, proposes to proceed with the SR 13 at Strawtown Avenue Intersection Improvement Project (Des. No. 2003082).

Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic properties. The following agencies/individuals are being invited to become consulting parties:

- Beth McCord, Director and Deptuy State Historic Preservation Officer, Indiana Division of Historic Preservation and Archaeology (DHPA-SHPO)
- Darlene Likens, Commissioner, Madison County
- · John Richwine, Commissioner, Madison County
- · Olivia Pratt, Commissioner, Madison County
- · Mark Heirbrandt, Commissioner, Hamilton County

- · Christine Altman, Commissioner, Hamilton County
- · Steve Dillinger, Commissioner, Hamilton County
- · Jerrold Bridges, Regional Director, Madison County Council of Governments (MCCOG)
- Dave Benefiel, ACIP, Principal Transportation Planner, Anderson MPO
- · Brittany Miller, Eastern Regional Office, Director, Indiana Landmarks
- · Stephen T. Jackson, Madison County Historian
- · David Heighway, Hamilton County Historian
- Richard E. Kreegar, President, Madison County Historical Society
- · Hamilton County Historical Society
- · Scott Harless, Highway Superintendent, Madison County
- · Bradley Davis, Highway Director, Hamilton County
- Absentee Shawnee Tribe of Oklahoma
- · Delaware Nation of Oklahoma
- Delaware Tribe of Indians.
- Eastern Shawnee Tribe of Oklahoma
- · Forest County Potawatomi Community
- Miami Tribe of Oklahoma
- · Peoria Tribe of Indians of Oklahoma
- · Pokagon Band of Potawatomi Indians
- Shawnee Tribe

This letter is part of the early coordination phase of the environmental review process requesting comments associated with this project. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. Please use the above Des. Number and project description in your reply, and your comments will be incorporated into the formal environmental study.

Please review the attached letter, which is also located in IN SCOPE at http://erms12c.indot.in.gov/Section106Documents/ (the Des. No. is the most efficient search term,

once in IN SCOPE), and respond with your comments on any historic property impacts incurred as a result of this project so that an environmental report can be completed. We also welcome your related opinions and other input to be considered in the preparation of the environmental document. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comment. If we do not receive a response from an invited consulting party within the time allotted, the project will proceed consistent with the proposed design. Therefore, if we do not receive a response within thirty (30) days, your agency or organization will not receive any further information on the project unless the scope of work changes.

Tribal Contacts please respond to INDOT's Tribal Liaison, Matt Coon at mcoon@indot.in.gov (317-697-9752) with any responses pertaining to this project including to provide INDOT/Indiana FHWA additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at K.CarmanyGeorge@dot.gov (317-226-5629).

Thank you in advance for your input,

Katherine J Molnar | Architectural Historian
Rapid City, SD | [0] 602-294-2250 | [M] 970-482-8094
katherine.molnar@mbakerintl.com | www.mbakerintl.com



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue Room N758-ES Indianapolis, Indiana 46204 PHONE: (855) 463-6848

Eric Holcomb, Governor Michael Smith, Commissioner

April 28, 2023

This letter was sent to the listed parties.

RE: SR 13 at Strawtown Avenue Intersection Improvement Project Perkinsville, Madison and Hamilton counties, Indiana Des. No. 2003082

Dear Consulting Party (see attached list):

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration (FHWA), proposes to proceed with the SR 13 at Strawtown Avenue Intersection Improvement Project in Perkinsville, Indiana (Des. No. 2003082). Kaskaskia Engineering, Inc., working with Michael Baker International, Inc. (Michael Baker), is under contract with INDOT to advance the environmental documentation for the referenced project.

This letter is part of the early coordination phase of the environmental review process requesting comments associated with this project. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. Please use the above Des. Number and project description in your reply, and your comments will be incorporated into the formal environmental study.

The proposed undertaking is located along SR 13 and Strawtown Avenue (8th Street Road) in Madison and Hamilton counties, Indiana. It is within Jackson (Madison County) and White River (Hamilton County) Townships, on the Frankton, IN, USGS quadrangle, in Sections 32 (Hamilton County) and 33 (Madison County), Township 20N, Range 6E. The project area can be viewed online at https://arcg.is/jqueP (the Des. No. is the most efficient search term once in the CRO - Public Web Map App).

The purpose of this project is to reduce or eliminate the high frequency and severity of crashes at this intersection while maintaining good intersection mobility.

The identified need at this location involves the very high frequency of severe crashes comparative to the volume of traffic at this intersection, specifically, the high frequency and severity of right-angle crashes. The two minor approaches at the intersection are offset from each other and both intersect SR 13 at a skew, which adds additional time for decision making and maneuvering and increases the exposure window for users. Sightlines at the intersection are very poor. The topography at the intersection causes sight distance issues with westbound traffic on the east approach. Approach speeds on SR 13 are high when compared to the minor road approaches.



Crash data from 2017 to 2019 was analyzed for this intersection. During this timeframe, there were a total of 22 crashes, 15 of which were right-angle crashes, three rear-end crashes, two run-off-road-crashes, and one other crash. Of the 22 crashes, eight resulted in injury, with seven being incapacitating, and one non-incapacitating. The remaining 14 crashes involved property damage. The intersection was analyzed via RoadHAT 3 (a road hazard analysis tool) determining the statistics of Index of Crash Costs (ICC) and Index of Crash Frequency (ICF). The ICC for this intersection is 2.68, indicating that this intersection is prone to crashes of significant severity and cost. The ICF of this intersection is 4.17, indicating that the frequency of crashes at this intersection is exceptionally higher than what should be expected for an intersection of similar vehicular volume.

INDOT and the FHWA intend to proceed with the preferred alternative, which includes replacing the existing two-way stop with a single-lane roundabout (RAB). The proposed roundabout will reduce the existing intersection skew and eliminate the offset between the minor leg approaches. The RAB will include raised concrete islands, a center truck apron, and outside truck aprons. The preferred alternative includes new curb and gutters, a stormwater system, new roadside ditches, improved sight distance, and new lighting. Vehicle speeds will also be reduced at the intersection. Collisions associated with unprotected left-hand turns will also be reduced.

The project will require the acquisition of approximately 4.09 acres of permanent right-of-way (ROW) and approximately 0.55 acre of temporary ROW to reinstate existing entrances. Portions of the project area contain undisturbed soils. No relocations are proposed.

Proposed excavation along the project corridor includes the removal of the existing roadway and roadbed to a depth of approximately four feet, a drainage system with pipes and structure depths ranging from three-to-four feet deep, and excavation to install lighting foundations at a depth of eight feet.

Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic properties. In accordance with 36 CFR 800.2 (c), you are hereby requested to be a consulting party to participate in the Section 106 process. Entities that have been invited to participate in the Section 106 consultation process for this project are identified in the attached list. Per 36 CFR 800.3(f), we hereby request that the Indiana State Historic Preservation Officer (SHPO) notify this office if the SHPO staff is aware of any other parties that may be entitled to be consulting parties or should be contacted as potential consulting parties for the project.

The Section 106 process involves efforts to identify historic properties potentially affected by the undertaking, assess the project's effects on historic properties, and to seek ways to avoid, minimize or mitigate any adverse effects on historic properties. For more information regarding the protection of historic properties, please see the Advisory Council on Historic Preservation's guide: Protecting Historic Properties: A Citizen's Guide to Section 106 Review available online at https://www.achp.gov/sites/default/files/documents/2017-01/CitizenGuide.pdf.

The Area of Potential Effects (APE) is the area in which the proposed project may cause alterations in the character or use of historic properties. At this time, no cultural resources investigations have occurred; however, the results of cultural resources identification and evaluation efforts, both above-ground and archaeological, will be forthcoming. Consulting parties will receive notification when these reports are completed.

Please review the information and comment within thirty (30) calendar days of receipt. If you indicate that you do not desire to be a consulting party, or if you do not respond, you will not be included on the list of consulting parties for this project. If we do not receive your response in the time allotted, the project will proceed consistent with the proposed design, and you will not receive further information about the project unless the design changes.



For questions concerning specific project details, you may contact Molly Barletta of Kaskaskia Engineering Inc. at 618-233-5877 or Mbarletta@kaskaskiaeng.com. All future responses regarding the proposed project should be forwarded to Kaskaskia Engineering Inc. at the following address:

Molly Barletta Environmental Scientist Kaskaskia Engineering Inc. 208 E Main Street, Ste 100 Belleville, IL 62220 Mbarletta@kaskaskiaeng.com

Tribal Contacts please respond to INDOT's Tribal Liaison, Matt Coon at mcoon@indot.in.gov (317-697-9752) with any responses pertaining to this project including to provide INDOT/Indiana FHWA additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at k.CarmanyGeorge@dot.gov (317-226-5629).

Sincerely,

Matthew S. Coon, Manager Cultural Resources Office

Environmental Services

www.in.gov/dot/ An Equal Opportunity Employer NextLevel

Enclosures:

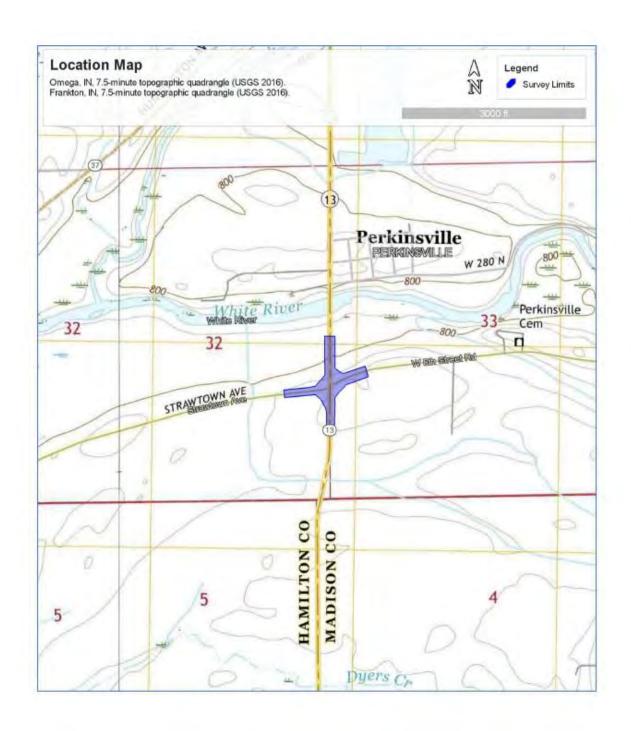
Project area as depicted on a topographic quadrangle map.

Distribution List:

- Beth McCord, Director and Deptuy State Historic Preservation Officer, Indiana Division of Historic Preservation and Archaeology (DHPA-SHPO)
- Darlene Likens, Commissioner, Madison County
- John Richwine, Commissioner, Madison County
- Olivia Pratt, Commissioner, Madison County
- Mark Heirbrandt, Commissioner, Hamilton County
- Christine Altman, Commissioner, Hamilton County
- Steve Dillinger, Commissioner, Hamilton County
- Jerrold Bridges, Regional Director, Madison County Council of Governments (MCCOG)
- Dave Benefiel, ACIP, Principal Transportation Planner, Anderson MPO
- Brittany Miller, Eastern Regional Office, Director, Indiana Landmarks
- ☑ Stephen T. Jackson, Madison County Historian

- David Heighway, Hamilton County Historian
- Richard E. Kreegar, President, Madison County Historical Society
- ☑ Hamilton County Historical Society
- Scott Harless, Highway Superintendent, Madison County
- Bradley Davis, Highway Director, Hamilton County
- ☑ Absentee Shawnee Tribe of Oklahoma
- ☑ Delaware Nation of Oklahoma
- ☑ Delaware Tribe of Indians
- ☑ Eastern Shawnee Tribe of Oklahoma
- ☑ Forest County Potawatomi Community
- ☑ Miami Tribe of Oklahoma
- Peoria Tribe of Indians of Oklahoma
- Pokagon Band of Potawatomi Indians
- ☑ Shawnee Tribe







Correspondence 4. May 1, 2023

From: Brittany Miller <bri>bmiller@indianalandmarks.org>

Sent: Monday, May 1, 2023 8:46 AM

To: Molnar, Katherine J; Carmany-George, Karstin (FHWA)

Cc: Alex Brooks; Haley Swindle; Mark Dollase

Subject: EXTERNAL: RE: FHWA Project: Des. No. 2003082; SR 13 at Strawtown Avenue Intersection

Improvement Project, Madison and Hamilton counties, Indiana

Attachments: SR 13 Strawtown Ave RAB_Des2003082_ECL_2023 04 28.pdf

Categories: CP COMMENT

Katherine.

Thank you for including Indiana Landmarks. I've added Alex Brooks and Mark Dollase to this email, as they represent Hamilton County.

Would you continue to include the Eastern Office as a consulting party, as we'd like to review the cultural resources report when it's available? Please send future communications to east@indianalandmarks.org. That is our preferred email for these notifications.

Thank you, Brittany

Best,

Brittany Miller (she/her) Director, Eastern Regional Office

Indiana Landmarks
Ph. 765-231-6429, 800-450-4534
Cell 765-593-1218
Indianalandmarks.org

Correspondence 5. May 1, 2023

From: Alex Brooks <abrooks@indianalandmarks.org>

Sent: Monday, May 1, 2023 2:57 PM

To: Molnar, Katherine J

Subject: EXTERNAL: FHWA Project: Des. No. 2003082; SR 13 at Strawtown Avenue Intersection Improvement

Project

Categories: CP COMMENT

Katherine,

Since we at the Indiana Landmarks Central Regional Office represent Hamilton county, we (myself at this email address and my boss Mark Dollase at mdollase@indianalandmarks.org) would like to be a consulting party on FHWA Project: Des. No. 2003082; SR 13 at Strawtown Avenue Intersection Improvement Project.

Best,

Alex Brooks

Community Preservation Specialist

Indiana Landmarks 1201 Central Avenue Indianapolis, IN 46202 Ph. 317-822-7908, 800-450-4534

Fax 317-822-7906, 800-450-453 Fax 317-639-6734 www.indianalandmarks.org

Indiana Landmarks revitalizes communities, strengthens connections to our diverse heritage, and saves meaningful places

Become a member | Subscribe to our e-letter | Find us on Facebook

Correspondence 6. May 1, 2023

From: Benjamin Rhodd <Benjamin.Rhodd@fcp-nsn.gov>

Sent: Monday, May 1, 2023 10:12 AM
To: Brinker, Haley <HBrinker@indot.IN.gov>

Subject: RE: FHWA Project: Des. No. 2003082; SR 13 at Strawtown Avenue Intersection Improvement Project, Madison and Hamilton counties, Indiana

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

Ms. Brinker,

Pursuant to consultation under Section 106 of the National Historic Preservation Act (1966 as amended) the Forest County Potawatomi Community (FCPC), a Federally Recognized Native American Tribe, reserves the right to comment on Federal undertakings, as defined under the act.

The Tribal Historic Preservation Office (THPO) staff has reviewed the information you provided for this project. Upon review of site data and supplemental cultural history within our Office, the FCPC THPO is pleased to offer a finding of No Historic Properties affected of significance to the FCPC, however, we request to remain as a consulting party for this project.

As a standard caveat sent with each proposed project reviewed by the FCPC THPO, the following applies. In the event an Inadvertent Discovery (ID) occurs at any phase of a project or undertaking as defined, and human remains or archaeologically significant materials are exposed as a result of project activities, work should cease immediately. The Tribe(s) must be included with the SHPO in any consultation regarding treatment and disposition of an ID find.

In addition to my Office being notified of projects, and in case you send notices to my Chairman, please see the change in the Forest County Potawatomi Community's authorizing officials. The original sent from my Office has been modified and updated with a new email for Chairman Crawford's contact information:

Primary Authorizing Official (effective 2/13/2023)

James A. Crawford, Tribal Chairman (primary AOR) PO Box 340 5416 Everybody's Road Crandon, WI 54520 (715) 478-7200 Chairmanoffice@fcp_nsn.gov

Secondary Authorizing Official (effective 11/7/2022)

Ms. Heather R. VanZile, Tribal Vice-Chair (Authorizing Official in the Chairman's absence)
PO Box 340
5416 Everybody's Road
Crandon, WI 54520
(715) 478-7200

Thank you for protecting cultural and historic properties and if you have any questions or concerns, please contact me at the email or number listed below.

Respectfully,

Ben Rhodd, MS, RPA, Tribal Historic Preservation Officer Forest County Potawatomi Historic Preservation Office 8130 Mish ko Swen Drive, P.O. Box 340, Crandon, Wisconsin 54520 P: 715-478-7354 C: 715-889-0202 Main: 715-478-7474

Email: Benjamin.Rhodd@fcp-nsn.gov

www.fcpotawatomi.com



Miami Tribe of Oklahoma

3410 P.St. NW, Miami, OK 74354 • P.O. Box 1326, Miami, OK 74355 Ph; (918) 541-1300 • Fax; (918) 542-7260 www.miamination.com



Via email: mcoon@indot.in.gov

May 5, 2023

Matt Coon, Tribal Liaison INDOT, Cultural Resources Office 100 North Senate Avenue, N758-ES Indianapolis, Indiana 46204

Re: Des. No. 2003082, SR 13 at Strawtown Avenue Intersection Improvement, Madison, Hamilton, & Perkinsville Counties, Indiana – Comments of the Miami Tribe of Oklahoma

Dear Mr. Coon:

Aya, kweehsitoolaani- I show you respect. The Miami Tribe of Oklahoma, a federally recognized Indian tribe with a Constitution ratified in 1939 under the Oklahoma Indian Welfare Act of 1936, respectfully submits the following comments regarding Des. No. 2003082, SR 13 at Strawtown Avenue Intersection Improvement in Madison, Hamilton, & Perkinsville Counties, Indiana.

The Miami Tribe offers no objection to the above-referenced project at this time, as we are not currently aware of existing documentation directly linking a specific Miami cultural or historic site to the project site. However, given the Miami Tribe's deep and enduring relationship to its historic lands and cultural property within present-day Indiana, if any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) or archaeological evidence is discovered during any phase of this project, the Miami Tribe requests immediate consultation with the entity of jurisdiction for the location of discovery. In such a case, please contact me at 918-541-8966 or by email at THPO@miamination.com to initiate consultation.

The Miami Tribe accepts the invitation to serve as a consulting party to the proposed project. In my capacity as Tribal Historic Preservation Officer I am the point of contact for consultation.

Respectfully,

Diane Hunter

Diane Hunter Tribal Historic Preservation Officer



May 30, 2023

To Whom It May Concern:

The Delaware Nation Historic Preservation Department received correspondence regarding the following referenced project(s):

Project: INDOT Des No 2003082, SR 13 at Strawtown Ave Intersection Improvement, Madison and Hamilton Counties, IN

In accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470f), and implementing regulation 36 CFR 800, "Protection of Historic Properties," Delaware Nation accepts your invitation for consultation on this project.

Our office is committed to protecting tribal heritage, culture and religion with particular concern for archaeological sites potentially containing burials and associated funerary objects. The Lenape people occupied the area indicated in your letter during and prior to European contact until their eventual removal to our present locations. According to our files, there are no known cultural or religious sites of interest to the Delaware Nation within or near the project location. If there are plans for a cultural resource survey, please provide a copy of the report upon completion.

Continue with the project as planned keeping in mind, should human remains and/or any Native American archaeological resources inadvertently be uncovered, all construction and ground disturbing activities should immediately be halted until the appropriate state agencies, as well as this office, are notified (within 24 hours), and a proper archaeological assessment can be made.

Please note that Delaware Nation, the Delaware Tribe of Indians, and the Stockbridge Munsee Community are the only Federally Recognized Delaware/Lenape entities in the United States and consultation for Lenape homelands must be made with only the designated staff of these three Nations (and/or other federally recognized tribal nations who may have overlapping areas of interest). We appreciate your cooperation in contacting the Delaware Nation Historic Preservation Office to conduct proper Section 106 consultation. Should you have any questions, feel free to contact our offices at 405-247-2448 ext. 1403.

Carissa Speck

Carissa Speck

Historic Preservation Director Delaware Nation 405-247-2448 ext. 1403

cspeck@delawarenation-nsn.gov



Eric Holcomb, Governor Daniel W. Bortner, Director

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



May 30, 2023

Molly Barletta Environmental Scientist Kaskaskia Engineering, Inc. 208 E. Main Street, Ste. 100 Belleville, Illinois 62220

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

Re: Early coordination for the SR 13 at Strawtown Avenue Intersection Improvement Project (Des. No. 2003082; DHPA No. 30738)

Dear Ms. Barletta:

Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108), 36 C.F.R. Part 800, and the "Programmatic Agreement (PA) Among the Federal Highway Administration, the Indiana Department of Transportation, the Advisory Council on Historic Preservation and the Indiana State Historic Preservation Officer Regarding the Implementation of the Federal Aid Highway Program In the State of Indiana," the staff of the Indiana State Historic Preservation Officer ("Indiana SHPO") has reviewed your April 28, 2023, review request submittal form, received by our office April 28, 2023, and for the submission which enclosed INDOT's early coordination letter that was received on May 3, 2023; for this project proposed for locations at White River Township, in Hamilton County, and at Jackson Township, in Madison County; Indiana.

We are not aware of any parties who should be invited to participate in the Section 106 consultation on this federal undertaking, beyond those whom INDOT already has invited. However, if right-of-way is likely to be taken from a potentially historic property, it might be advisable to invite the owner of that property as soon as possible. In your next regular correspondence on this project, please advise us as to which of the invited consulting parties has accepted the invitation.

We look forward to reviewing the proposed area of potential effects and the reports on investigations of above-ground cultural resources and archaeological resources that the early coordination letter indicated will be forthcoming.

The Indiana SHPO staff's archaeological reviewer for this project is Wade T. Tharp, and the structures reviewer is Toni Lynn Giffin. However, if you have a question about the Section 106 process, please contact initially the INDOT Cultural Resources staff members who are assigned to this project.

The DNR mission: Protect, enhance, preserve and wisely use natural, cultural and recreational resources for the benefit of Indiana's citizens through professional leadership, management and education. www.IN.gov/DNR An Equal Opportunity Employer Molly Barletta May 30, 2023 Page 2

In all future correspondence about the SR 13 at Strawtown Avenue intersection improvement project in White River Township, Hamilton County and Jackson Township, Madison County, Indiana (Des. No. 2003082), please refer to DHPA No. 30738.

Very truly yours,

B. V. William

Beth K. McCord

Deputy State Historic Preservation Officer

BKM:TLG:WTT:wtt

eme: Matt Coon, Ph.D., Indiana Department of Transportation Susan Branigin, Indiana Department of Transportation Molly Barletta, Kaskaskia Engineering, Inc. Katherine J. Molnar, Michael Baker International Toni Lynn Giffin, Indiana DNR-DIPA Wade T. Tharp, Indiana DNR-DIPA

Correspondence 10. June 7, 2023

From: Laserfiche Notification <donotreply@laserfiche.com>

Sent: Wednesday, June 7, 2023 4:12 PM

To: Brinker, Haley <HBrinker@indot.IN.gov>

Subject: Section 106 Consultation - INDOT Project: Des. No. 2003082; SR 13 at Strawtown Avenue Intersection Improvement Project,

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

This email is in response to INDOT Project: Des. No. 2003082; SR 13 at Strawtown Avenue Intersection Improvement Project,.

The Shawnee Tribe's Tribal Historic Preservation Department concurs that no known historic properties will be negatively impacted by this project. However, there is still potential for the discovery of unknown resources. We would like to accept your invitation for consultation.

We have no issues or concerns at this time, but in the event archaeological materials are encountered during construction, use, or maintenance of this location, please re-notify us at that time as we would like to resume immediate consultation under such a circumstance.

If you have any questions, you may contact me via email at Section106@shawnee-tribe.com





EASTERN SHAWNEE CULTURAL PRESERVATION DEPARTMENT

70500 East 128 Road, Wyandotte, OK 74370

June 20, 2023 INDOT - Indiana Department of Transportation 100 N. Senate Ave. IGCN642 Indianapolis, IN 46201

RE: Des No. 2003082, Madison and Hamilton County, Indiana

Dear Mr. Coon,

The Eastern Shawnee Tribe has received your letter regarding the above referenced project(s) within Madison and Hamilton County, Indiana. The Eastern Shawnee Tribe is committed to protecting sites important to Tribal Heritage, Culture and Religion. Furthermore, the Tribe is particularly concerned with historical sites that may contain but not limited to the burial(s) of human remains and associated funerary objects.

As described in your correspondence, and upon research of our database(s) and files, we find our people occupied these areas historically and/or prehistorically. However, the project proposes **NO Adverse Effect** or endangerment to known sites of interest to the Eastern Shawnee Tribe. Please continue project as planned. However, should this project inadvertently discover an archeological site or object(s) we request that you immediately contact the Eastern Shawnee Tribe, as well as the appropriate state agencies (within 24 hours). We also ask that all ground disturbing activity stop until the Tribe and State agencies are consulted. Please note that any future changes to this project will require additional consultation.

In accordance with the NHPA of 1966 (16 U.S.C. § 470-470w-6), federally funded, licensed, or permitted undertakings that are subject to the Section 106 review process must determine effects to significant historic properties. As clarified in Section 101(d)(6)(A-B), historic properties may have religious and/or cultural significance to Indian Tribes. Section 106 of NHPA requires Federal agencies to consider the effects of their actions on all significant historic properties (36 CFR Part 800) as does the National Environmental Policy Act of 1969 (43 U.S.C. § 4321-4347 and 40 CFR § 1501.7(a). This letter evidences NHPA and NEPA historic properties compliance pertaining to consultation with this Tribe regarding the referenced proposed projects.

Thank you, for contacting the Eastern Shawnee Tribe, we appreciate your cooperation. Should you have any further questions or comments please contact our Office.

Paul Barton, Tribal Historic Preservation Officer (THPO) Eastern Shawnee Tribe of Oklahoma

(918) 666-5151 Ext:1833

THPO@estoo.net

Sincerely,

Correspondence 12. November 8, 2023

From: Molnar Katherine 1

To: McCord, Beth K; Brittany Miller; Mark Dollase; abrooks@indianalandmarks.org; DHPA@dnr.IN.gov

Cc: Curtis, William; Zinn, Timothy; Bodor, Thomas; Heustis, Tom; Molly Barletta; Szewczak, Kimberly; Brinker, Haley; Brankain, Susan

Subject: FHWA Project: Des. No. 2003082; HPSR, SR 13 at Strawtown Avenue Intersection Improvement Project, Madison and Hamilton counties, Indiana

Date: Wednesday, November 8, 2023 10:00:41 AM

Attachments: SR 13-Strawtown RAB Des2003082 RDL for HPSR 20231108.pdf

Des. No.: 2003082

Project Description: SR 13 at Strawtown Avenue Intersection Improvement Project Location: Perkinsville, Madison and Hamilton counties, Indiana

The Indiana Department of Transportation, with funding from the Federal Highway Administration, proposes to proceed with the SR 13 at Strawtown Avenue Intersection Improvement Project (Des. No. 2003082). The Section 106 Early Coordination Letter for this project was originally distributed on April 27, 2023.

As part of Section 106 of the National Historic Preservation Act, a Historic Property Short Report has been prepared and is ready for review and comment by consulting parties.

Please review this documentation located in IN SCOPE at http://erms12c.indot.in.gov/Section106Documents/ (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with any comments that you may have. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comment. Therefore, if we do not receive a response within thirty (30) days, your agency or organization will not receive any further information on the project unless the scope of work changes.

Tribal Contacts please respond to INDOT's Acting Tribal Liaison, Matt Coon mcoon@indot.in.gov. (317-697-9752) with any responses pertaining to this project including to provide INDOT/Indiana FHWA additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at K.CarmanyGeorge@dot.gov (317-226-5629).

Thank you in advance for your input,

Katie

Katherine J Molnar | Architectural Historian

Rapid City, SD | [0] 602-294-2250 | [M] 970-482-8094

katherine.molnar@mbakerintl.com | www.mbakerintl.com

Correspondence 13. November 8, 2023

Date:

From: Brinker, Haley

To: Carissa Speck; thoo@estoo.net; Benjamin Rhodd; THPO@MiamiNation.com; Section106

Cc: Branigin, Susan; Coon, Matthew; Molnar, Katherine J; Szewczak, Kimberly

Subject: EXTERNAL: FHWA Project: Des. No. 2003082; HPSR, SR 13 at Strawtown Avenue Intersection Improvement

Project, Madison and Hamilton counties, Indiana Wednesday, November 8, 2023 10:12:12 AM

Attachments: SR 13-Strawtown RAB Des2003082 RDL for HPSR 20231108.odf

EXTERNAL EMAIL

Des. No.: 2003082

Project Description: SR 13 at Strawtown Avenue Intersection Improvement Project Location: Perkinsville, Madison and Hamilton counties, Indiana

The Indiana Department of Transportation, with funding from the Federal Highway Administration, proposes to proceed with the SR 13 at Strawtown Avenue Intersection Improvement Project (Des. No. 2003082). The Section 106 Early Coordination Letter for this project was originally distributed on April 27, 2023.

As part of Section 106 of the National Historic Preservation Act, a Historic Property Short Report has been prepared and is ready for review and comment by consulting parties.

Please review this documentation located in IN SCOPE at http://erms12c.indot.in.gov/Section106Documents/ (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with any comments that you may have. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comment. Therefore, if we do not receive a response within thirty (30) days, your agency or organization will not receive any further information on the project unless the scope of work changes.

Tribal Contacts please respond to INDOT's Acting Tribal Liaison, Matt Coon mccon@indot.in.gov; (317-697-9752) with any responses pertaining to this project including to provide INDOT/Indiana FHWA additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at k.CarmanyGeorge@dot.gov (317-226-5629).

Thank you in advance for your input,

Katie

Katherine J Molnar | Architectural Historian
Rapid City, SD | [0] 602-294-2250 | [M] 970-482-8094
katherine.molnar@mbakerintl.com | www.mbakerintl.com



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue Room N758-ES Indianapolis, Indiana 46204 PHONE: (855) 463-6848

Eric Holcomb, Governor Michael Smith, Commissioner

November 8, 2023

This letter was sent to the listed parties.

RE: SR 13 at Strawtown Avenue Intersection Improvement Project Perkinsville, Madison and Hamilton counties, Indiana

Des. No. 2003082

Dear Consulting Party,

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration (FHWA), proposes to proceed with the SR 13 at Strawtown Avenue Intersection Improvement Project in Perkinsville, Indiana (Des. No. 2003082).

This letter is part of the Section 106 review process for this project. Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic properties. We are requesting comments from you regarding the possible effects of this project. Please use the above Des. Number and project description in your reply and your comments will be incorporated into the formal environmental study.

A Section 106 early coordination letter was distributed on April 28, 2023.

The proposed undertaking is located at SR 13 and Strawtown Avenue (8th Street Road) in Madison and Hamilton counties. It is located within Jackson Township (Madison County) and White River Township (Hamilton County) and appears on the *Frankton, IN*, USGS quadrangle in Sections 32 (Hamilton County) and 33 (Madison County), Township 20N, Range 6E. The project area can be viewed online at https://arcg.is/jqueP (the Des. No. is the most efficient search term once in the CRO-Public Web Map App).

The purpose of this project is to reduce or eliminate the high frequency and severity of crashes at this intersection while maintaining good intersection mobility.

The identified need at this location involves the very high frequency of severe crashes comparative to the volume of traffic at this intersection, specifically, the high frequency and severity of right-angle crashes. The two minor approaches at the intersection are offset from each other and both intersect SR 13 at a skew, which adds additional time for decision making and maneuvering and increases the exposure window for users. Sightlines at the intersection are very poor. The topography at the intersection causes sight distance issues with westbound traffic on the east approach. Approach speeds on SR 13 are high when compared to the minor road approaches.

www.in.gov/dot/
An Equal Opportunity Employer

NextLevel

Crash data from 2017 to 2019 was analyzed for this intersection. During this timeframe, there were a total of 22 crashes, 15 of which were right-angle crashes, three rear-end crashes, two run-off-the-road crashes, and one other crash. Of the 22 crashes, eight resulted in injury, with seven being incapacitating and one non-incapacitating. The remaining 14 crashes involved property damage. The intersection was analyzed via RoadHAT 3 (a road hazard analysis tool) that determined the statistics of Index of Crash Costs (ICC) and Index of Crash Frequency (ICF). The ICC for this intersection is 2.68, indicating that this intersection is prone to crashes of significant severity and cost. The ICF compares the crash rate of this intersection to other similar intersections throughout the state. An ICF of 0 indicates that an intersection is performing as expected. An ICF of 2 or higher may be considered a high crash location. The ICF of this intersection is 4.17, indicating that the frequency of crashes at this intersection is exceptionally higher than what should be expected for an intersection of similar vehicular volume.

INDOT and the FHWA propose to proceed with the preferred alternative, which includes replacing the existing two-way stop with a single-lane roundabout (RAB). The proposed roundabout will reduce the existing intersection skew and eliminate the offset between the minor leg approaches. The RAB will include raised concrete islands, a center truck apron, and outside truck aprons. The preferred alternative includes new curb and gutters, a stormwater system, new roadside ditches, improved sight distance, and new lighting. Vehicle speeds will also be reduced at the intersection. Collisions associated with unprotected left-hand turns will also be reduced.

The project will require the acquisition of approximately 4.09 acres of permanent right-of-way (ROW) and approximately 0.55 acre of temporary ROW to reinstate existing entrances. No relocations are proposed.

Proposed excavation along the project corridor includes the removal of the existing roadway and roadbed to a depth of approximately four feet, a drainage system with pipes and structure depths ranging from three-to-four feet deep, and excavation to install lighting foundations at a depth of eight feet.

Kimley-Horn and Associates, Inc. (Kimley-Horn) is under contract with INDOT to advance the environmental documentation for the referenced project. Kimley-Horn has subcontracted with Kaskaskia Engineering, Inc. to complete the environmental documentation, and with Michael Baker International, Inc. (Michael Baker) to complete the Section 106 documentation for the project.

In accordance with 36 CFR 800.2 (c), you were invited to become a consulting party as part of the Section 106 process, or you are hereby invited to become a consulting party as part of the Section 106 process. Entities that have previously accepted consulting party status—as well as additional entities that are currently being invited to become consulting parties—are identified in the attached list.

The Section 106 process involves efforts to identify historic properties potentially affected by the undertaking, to assess the undertaking's effects on historic properties, and to seek ways to avoid, minimize, or mitigate any adverse effects on historic properties. For more information regarding the protection of historic properties, please see the Advisory Council on Historic Preservation's guide: Protecting Historic Properties: A Citizen's Guide to Section 106 Review available online at https://www.achp.gov/sites/default/files/documents/2017-01/CitizenGuide.pdf.

The Area of Potential Effects (APE) is the area in which the proposed project may cause alterations in the character or use of historic properties. The APE contains no resources listed in the National Register of Historic Places (NRHP).

www.in.gov/dot/
An Equal Opportunity Employer

NextLevel

A historian who meets the Secretary of the Interior's Professional Qualification Standards identified and evaluated aboveground resources within the APE for potential eligibility for listing in the NRHP. As a result of the historic property identification and evaluation efforts, no aboveground resources are recommended as eligible for listing in the NRHP.

An archaeologist who meets the Secretary of the Interior's Professional Qualification Standards is conducting a survey of archaeological resources within the APE for potential eligibility for listing in the NRHP. A report of that investigation is forthcoming and will be distributed to the appropriate consulting parties for review at a later date.

On May 1, 2023, in response to the ECL, Brittany Miller, Director of Indiana Landmark's Eastern Regional Office, requested (via email) to be included as a consulting party.

On May 1, 2023, Alex Brooks, Community Preservation Specialist for Indiana Landmarks, requested to be added as a representative of Tipton and Hamilton Counties, along with Mark Dollase.

On May 1, 2023, Ben Rhodd, Tribal Historic Preservation Officer for the Forest County Potawatomi Tribe (FCPT), offered a preliminary finding of "No Historic Properties" affected with significance to the FCPT.

On May 5, 2023, Diane Hunter, Tribal Historic Preservation Officer for the Miami Tribe of Oklahoma, sent a letter to INDOT CRO stating that the tribe has "no objection" to the proposed project at this time.

On May 30, 2023, Carissa Speck, Historic Preservation Director for the Delaware Nation, responded to the Early Coordination Letter (EC), stating that the tribe should be alerted "should any human remains and/or any Native American archaeological resources inadvertently be uncovered."

On May 30, 2023, Beth McCord, Deputy State Historic Preservation Officer, accepted consulting party status and affirmed the list of identified consulting parties was accurate.

On June 7, 2023, Erin Paden, Tribal Historic Preservation Specialist for the Shawnee Tribe, sent an email accepting consulting party status.

On June 20, 2023, Paul Barton, Tribal Historic Preservation Officer for the Eastern Shawnee Tribe of Oklahoma, sent a letter to INDOT CRO stating that the project poses "no adverse effect" to known sites of interest to the Eastern Shawnee Tribe.

The Historic Property Short Report is available for review in IN SCOPE at http://erms12c.indot.in.gov/Section106Documents/ (the Des. No. is the most efficient search term, once in IN SCOPE). You are invited to review this document and to respond with comments on any historic property impacts incurred as a result of this project so that an environmental report can be completed. We also welcome your related opinions and other input to be considered in the preparation of the environmental document. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Please review the information and comment within thirty (30) calendar days of receipt. If you indicate that you do not desire to be a consulting party or if you have not previously accepted consulting party status and you do not respond to this letter, you will not be included on the list of consulting parties for this project and will not receive further information about the project unless the design changes.



For questions concerning specific project details, you may contact Molly Barletta of Kaskaskia Engineering Inc. at 618-233-5877 or Mbarletta@kaskaskiaeng.com. All future responses regarding the proposed project should be forwarded to Kaskaskia Engineering Inc. at the following address:

Molly Barletta Environmental Scientist Kaskaskia Engineering Inc. 208 E Main Street, Ste 100 Belleville, IL 62220 Mbarletta@kaskaskiaeng.com

Tribal Contacts please respond to INDOT's Acting Tribal Liaison, Matt Coon mcoon@indot.in.gov; (317-697-9752) with any responses pertaining to this project including providing INDOT/Indiana FHWA with additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at K.CarmanyGeorge@dot.gov (317-226-5629).

Sincerely,

Matthew S. Coon, Manager Cultural Resources Office Environmental Services

Enclosures:

- Area of Potential Effects Map
- Distribution List

Correspondence 15. November 10, 2023

From: Brittany Miller Molnar, Katherine J Cc: EXTERNAL: RE: FHWA Project: Des. No. 2003082; HPSR, SR 13 at Strawtown Avenue Intersection Improvement Subject: Project, Madison and Hamilton counties, Indiana Date: Friday, November 10, 2023 10:55:11 AM EXTERNAL EMAIL Thank you for this email. I have no further comments at this time but would like to be notified if the APE or project changes. Best. Brittany Miller (she/her) Director Eastern Regional Office Indiana Landmarks Ph. 765-231-6429, 800-450-4534 Cell 765-593-1218 indianalandmarks.org



Eric Holcomb, Governor Daniel W. Bortner, Director

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 ·



December 8, 2023

Molly Barletta Environmental Scientist Kaskaskia Engineering Inc. 208 E Main Street, Ste 100 Belleville, IL 62220

Federal Agency: Indiana Department of Transportation ("INDOT"),

on behalf of Federal Highway Administration, Indiana Division ("FHWA")

Re: Historic property short report (Molnar, 11/2023) for the SR 13 at Strawtown Avenue Intersection

Improvement Project (Des. No. 2003082; DIIPA No. 30738)

Dear Ms. Barletta:

Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108), 36 C.F.R. Part 800, and the "Programmatic Agreement (PA) Among the Federal Highway Administration, the Indiana Department of Transportation, the Advisory Council on Historic Preservation and the Indiana State Historic Preservation Officer Regarding the Implementation of the Federal Aid Highway Program in the State of Indiana," the staff of the Indiana State Historic Preservation Officer ("Indiana SHPO") has reviewed your November 8, 2023, submission which enclosed the historic property short report ("HPSR", Molnar, 11/2023) for the SR 13 at Strawtown Avenue Intersection Improvement Project, and received on the same day for this project in White River Township, in Hamilton County, and at Jackson Township, in Madison County, Indiana.

The area of potential effects ("APE") proposed in the HPSR appears to be of adequate size to encompass the geographic area in which direct and indirect effects of a project of this nature could occur.

For the purposes of the Section 106 review of this undertaking and based on the information provided in the HPSR, we agree with the conclusions in the HPSR that there are no previously recorded National Register of Historic Places ("NRHP")-listed or -cligible resources located within the APE. Furthermore, we also agree with the conclusion in the HPSR of the Contributing-rated status of the J. Zeller House (MB-6) at 9910 W 8th Street, Anderson, Indiana documented during survey.

However, for the purposes of the Section 106 review of this undertaking and based on the information provided in the HPSR, our staff disagrees with the HPSR that the Bukouricz House (MB-7) at 16528 Strawtown Avenue, Noblesville, IN is not eligible for inclusion in the NRHP. Our staffs believes the Bukouricz House may be eligible for the National Register of Historic Places under Criterion C in the area of architecture. The 1928 house exhibits several exterior character-defining features of the Craftsman style, including the side-gabled roof with wide overhanging eaves supported by knee braces, the large, hipped roof dormer, and the full-width integrated front porch. An unusual feature of the house are the shingle-covered, wide arches that rest on short piers and support the porch roof.

As previously indicated, we look forward to reviewing the report on investigations of archaeological resources that your previous submission, the early coordination letter, indicated will be forthcoming.

The DNR mission: Protect, enhance, preserve and wisely use natural, cultural and recreational resources for the benefit of Indiana's citizens through professional leadership, management and education.

www.IN.gov/DNR An Equal Opportunity Employer Molly Barletta December 8, 2023 Page 2

The Indiana SHPO staff's archaeological reviewer for this project is Wade T. Tharp, and the structures reviewer is Toni Lynn Giffin. However, if you have a question about the Section 106 process, please contact initially the INDOT Cultural Resources staff members who are assigned to this project.

In all future correspondence about the SR 13 at Strawtown Avenue Intersection Improvement Project in Perkinsville, White River Township, Hamilton County and Jackson Township, Madison County, Indiana (Des. No. 2003082), please refer to DHPA No. 30738.

Very truly yours,

Beth K. McCord

Deputy State Historic Preservation Officer

BKM:WTT:TLG:tlg

emc: Matt Coon, Ph.D., Indiana Department of Transportation Susan Branigin, Indiana Department of Transportation Molly Barletta, Kaskaskia Engineering, Inc. Katherine J. Molnar, Michael Baker International, Inc. Toni Lynn Giffin, Indiana DNR-DHPA Wade T. Tharp, Indiana DNR-DHPA

Correspondence 17. December 14, 2023

From: Carissa Speck <cspeck@delawarenation-nsn.gov>

Sent: Thursday, December 14, 2023 9:07 AM

To: Coon, Matthew

Subject: RE: FHWA Project: Des. No. 2003082; HPSR, SR 13 at Strawtown Avenue Intersection Improvement

Project, Madison and Hamilton counties, Indiana

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

Hi Matt,

Our office has no new concerns or questions with the project after reviewing the HP report. Please proceed as planned. Thank you!

Wanishi,

Carissa Speck
Delaware Nation
Historic Preservation Director
405-247-2448 Ext. 1403

cspeck@delawarenation-nsn.gov





EASTERN SHAWNEE CULTURAL PRESERVATION DEPARTMENT

70500 East 128 Road, Wyandotte, OK 74370

December 28, 2023 INDOT - Indiana Department of Transportation 100 N. Senate Ave. IGCN642 Indianapolis, IN 46201

RE: Des No. 2003082, Perkinsville, Madison, and Hamilton County, Indiana

Dear Mr. Coon.

The Eastern Shawnee Tribe has received your letter regarding the above referenced project(s) within Perkinsville, Madison, and Hamilton County, Indiana. The Eastern Shawnee Tribe is committed to protecting sites important to Tribal Heritage, Culture and Religion. Furthermore, the Tribe is particularly concerned with historical sites that may contain but not limited to the burial(s) of human remains and associated funerary objects.

As described in your correspondence, and upon research of our database(s) and files, we find our people occupied these areas historically and/or prehistorically. However, the project proposes NO Adverse Effect or endangerment to known sites of interest to the Eastern Shawnee Tribe. Please continue project as planned. However, should this project inadvertently discover an archeological site or object(s) we request that you immediately contact the Eastern Shawnee Tribe, as well as the appropriate state agencies (within 24 hours). We also ask that all ground disturbing activity stop until the Tribe and State agencies are consulted. Please note that any future changes to this project will require additional consultation.

In accordance with the NHPA of 1966 (16 U.S.C. § 470-470w-6), federally funded, licensed, or permitted undertakings that are subject to the Section 106 review process must determine effects to significant historic properties. As clarified in Section 101(d)(6)(A-B), historic properties may have religious and/or cultural significance to Indian Tribes. Section 106 of NHPA requires Federal agencies to consider the effects of their actions on all significant historic properties (36 CFR Part 800) as does the National Environmental Policy Act of 1969 (43 U.S.C. § 4321-4347 and 40 CFR § 1501.7(a). This letter evidences NHPA and NEPA historic properties compliance pertaining to consultation with this Tribe regarding the referenced proposed projects.

Thank you, for contacting the Eastern Shawnee Tribe, we appreciate your cooperation. Should you have any further questions or comments please contact our Office.

Paul Barton, Tribal Historic Preservation Officer (THPO) Eastern Shawnee Tribe of Oklahoma

(918) 666-5151 Ext:1833

Sincerely,

Correspondence 19. December 28, 2023

From: Benjamin Rhodd <Benjamin.Rhodd@fcp-nsn.gov>

Sent: Thursday, December 28, 2023 12:15 PM **To:** Brinker, Haley <HBrinker@indot.IN.gov>

Subject: RE: FHWA Project: Des. No. 2003082; HPSR, SR 13 at Strawtown Avenue Intersection Improvement Project,

Madison and Hamilton counties, Indiana

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

Ms. Brinker,

Pursuant to consultation under Section 106 of the National Historic Preservation Act (1966 as amended) the Forest County Potawatomi Community (FCPC), a Federally Recognized Native American Tribe, reserves the right to comment on Federal undertakings, as defined under the act inclusive of licensing, permitting or use of federal funds by a delegated agency.

The Tribal Historic Preservation Office (THPO) staff has reviewed the information you provided for this project. Upon review of site data and supplemental cultural history within our Office, the FCPC THPO is pleased to offer a finding of No Historic Properties affected of significance to the FCPC, however, we request to remain as a consulting party for this project.

As a standard caveat sent with each proposed project reviewed by the FCPC THPO, the following applies. In the event an Inadvertent Discovery (ID) occurs at any phase of a project or undertaking as defined, and human remains or archaeologically significant materials are exposed as a result of project activities, work should cease immediately. The Tribe(s) must be included with the SHPO in any consultation regarding treatment and disposition of an ID find.

Thank you for protecting cultural and historic properties and if you have any questions or concerns, please contact me at the email or number listed below.

Respectfully,

Ben Rhodd, MS, RPA, Tribal Historic Preservation Officer Forest County Potawatomi Historic Preservation Office 8130 Mish ko Swen Drive, P.O. Box 340, Crandon, Wisconsin 54520

P: 715-478-7354 C: 715-889-0202 Main: 715-478-7474

Email: Benjamin.Rhodd@fcp-nsn.gov

www.fcpotawatomi.com

Correspondence 20. May 2, 2024

 From:
 Bodor, Thomas

 To:
 dhpareview@dnr.IN.gov

 Cc:
 Blum, Kaylee; Molnar, Katherine J

Subject: RE: FHWA Project: Des. No. 2003082; SR 13 at Strawtown Avenue Intersection Improvement Project, Madison

Date: Friday, May 3, 2024 11:38:23 AM

My apologies – the email below should have referred to just the Phase IA archaeology report for the above referenced project. There is no Phase IB or Cemetery Development Plan for this project. Sorry for any confusion.

Thomas Bodor | Department Manager - Archaeology

100 Airside Drive, Airside Business Park | Moon Township, PA 15108 | [O] 412-269-2049 | [M] 410-353-0401

thomas.bodor@mbakerintl.com | www.mbakerintl.com



From: Bodor, Thomas

Sent: Thursday, May 2, 2024 5:25 PM

To: dhpareview@dnr.IN.gov

Cc: Blum, Kaylee <KBlum@indot.IN.gov>; Molnar, Katherine J <Katherine.Molnar@mbakerintl.com>
Subject: FHWA Project: Des. No. 2003082; SR 13 at Strawtown Avenue Intersection Improvement
Project, Madison and Hamilton counties, Indiana

Dear SHPO review team,

Please see the attached email transmitting a Phase IB Archaeology Report and Cemetery
Development Plan for your review. One hard copy each of these reports will be forwarded to your
office. Please let me know if you have any questions. Thank you!

Tom Bodor

Thomas Bodor | Department Manager - Archaeology

100 Airside Drive, Airside Business Park | Moon Township, PA 15108 | [O] 412-269-2049 | [M] 410-353-0401

thomas.bodor@mbakerintl.com | www.mbakerintl.com

Correspondence 21. May 29, 2024

From: Molnar, Katherine 1

To: McCord, Beth K; Brittany Miller; Mark Dollase; abrooks@indianalandmarks.org; DHPA@dnr.IN.gov

Cc: Curtis, William: Zinn, Timothy: Bodor, Thomas: Heustis, Tom: Molly Barletta; Szewczak, Kimberly: Brinker, Haley; Braniqin, Susan; Laura Jack; Molnar, Katherine J

Subject: FHWA Project: Des. No. 2003082; Effects Report, SR 13 at Strawtown Avenue Intersection Improvement Project,

Madison and Hamilton counties, Indiana

Date: Wednesday, May 29, 2024 11:59:34 AM

Attachments: SR 13-Strawtown RAB Des2003082 RDL for ER 2024-05-29.pdf

Des. No.: 2003082

Project Description: SR 13 at Strawtown Avenue Intersection Improvement Project Location: Perkinsville, Madison and Hamilton counties, Indiana

The Indiana Department of Transportation, with funding from the Federal Highway Administration, proposes to proceed with the SR 13 at Strawtown Avenue Intersection Improvement Project (Des. No. 2003082). The Section 106 Early Coordination Letter for this project was originally distributed on April 27, 2023. In addition, a letter distributed on November 8, 2023, notified consulting parties that a historic property short report was available for review and comment.

As part of Section 106 of the National Historic Preservation Act, an Effects Report has been prepared and is ready for review and comment by consulting parties.

Please review this documentation located in IN SCOPE at http://erms12c.indot.in.gov/Section106Documents/ (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with any comments that you may have. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comment. Therefore, if we do not receive a response within thirty (30) days, your agency or organization will not receive any further information on the project unless the scope of work changes.

Tribal Contacts please respond to INDOT's Acting Tribal Liaison, Matt Coon mcoon@indot.in.gov; (317-697-9752) with any responses pertaining to this project including to provide INDOT/Indiana FHWA additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at k.CarmanyGeorge@dot.gov (317-226-5629).

Thank y	ou in advanc	ce for your	input
---------	--------------	-------------	-------

Katie

Katherine J Molnar | Architectural Historian
Rapid City, SD | [O] 602-294-2250 | [M] 970-482-8094
katherine.molnar@mbakerintl.com | www.mbakerintl.com

Correspondence 22. May 29, 2024

Date:

From: Brinker, Haley

Carissa Speck; thpo@estoo.net; Olivia.Nunway@fcp-nsn.gov; THPO@MiamiNation.com; Sec To:

Cc: Coon, Matthew; Branigin, Susan; Molnar, Katherine J; Carmany-George, Karstin (FHWA)

Subject: EXTERNAL: FHWA Project: Des. No. 2003082; Effects Report, SR 13 at Strawtown Avenue Intersection

Improvement Project, Madison and Hamilton counties, Indiana

Wednesday, May 29, 2024 12:07:28 PM Attachments: SR 13-Strawtown RAB Des2003082 RDL for ER 2024-05-29 pdf

EXTERNAL EMAIL

Des. No.: 2003082

Project Description: SR 13 at Strawtown Avenue Intersection Improvement Project Location: Perkinsville, Madison and Hamilton counties, Indiana

The Indiana Department of Transportation, with funding from the Federal Highway Administration, proposes to proceed with the SR 13 at Strawtown Avenue Intersection Improvement Project (Des. No. 2003082). The Section 106 Early Coordination Letter for this project was originally distributed on April 27, 2023. In addition, a letter distributed on November 8, 2023, notified consulting parties that a historic property short report was available for review and comment.

As part of Section 106 of the National Historic Preservation Act, an Effects Report has been prepared and is ready for review and comment by consulting parties.

Please review this documentation located in IN SCOPE at http://erms12c.indot.in.gov/Section105Documents/ (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with any comments that you may have. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comment. Therefore, if we do not receive a response within thirty (30) days, your agency or organization will not receive any further information on the project unless the scope of work changes.

Tribal Contacts please respond to INDOT's Acting Tribal Liaison, Matt Coon mcoon@indot.in.gov; (317-697-9752) with any responses pertaining to this project including to provide INDOT/Indiana FHWA additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at K.CarmanyGeorge@dot.gov (317-226-5629).

Thank you in advance for your input,

Katie

Katherine J Molnar | Architectural Historian Rapid City, SD | [O] 602-294-2250 | [M] 970-482-8094

Correspondence 23. May 29, 2024

From: Blum, Kaylee

To: thpo@estoo.net; thpo@estoo.net; thpo@miamination.com; bfletcher@peoriatribe.com; Matthew Bussler; Section106@shawnee-tribe.com; sbachor@delawaretribe.org; Martina Thomas; snease@astribe.com; cspeck@delawarenation-nsn.gov

Cc: Coon, Matthew; Molnar, Katherine J; Bodor, Thomas; Blum, Kaylee

Subject: EXTERNAL: Notification for FHWA Project: Des. No. 2003082, SR 13 Intersection Improvement, Hamilton and

Madison Counties, Indiana

Date: Wednesday, May 29, 2024 11:25:00 AM

Attachments: image004.png image008.png

EXTERNAL EMAIL

Notification for FHWA Project: Des. No. 2003082, SR 13 Intersection Improvement, Hamilton and Madison Counties, Indiana

Des. No.: 2003082

Project Description: SR 13 Intersection Improvement Location: Hamilton and Madison Counties, Indiana

The Indiana Department of Transportation, with funding from the Federal Highway Administration, proposes to proceed with the SR 13 Intersection Improvement (INDOT Des. No.: 2003082). The Section 106 Early Coordination Letter for this project was originally distributed in a letter on April 27, 2023.

As part of Section 106 of the National Historic Preservation Act, an Archaeology report has been prepared and is ready for review and comment by consulting parties.

Please review this documentation located in IN SCOPE at

https://erms12c.indot.in.gov/Section106Documents (the Des. No. is the most efficient search term, once in IN SCOPE), and respond with any comments that you may have. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days. Consulting parties have thirty (30) calendar days from receipt of this information to review and provide comment.

Tribal Contacts please respond to INDOT's Acting Tribal Liaison, Matt Coon mcoon@indot.in.gov (317-697-9752) with any responses pertaining to this project including to provide INDOT/Indiana FHWA additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at K.CarmanyGeorge@dot.gov (317-226-5629).

Thank you,

KayLee A. Blum, M.S.

Archaeologist

Indiana Department of Transportation, Cultural Resources Office 100 North Senate Ave., N758 — Environmental Services Indianapolis, IN 46204

Office: (317) 439-3337
Email: kblum@indot.in.gov





INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue Room N758-ES Indianapolis, Indiana 46204 PHONE: (855) 463-6848

Eric Holcomb, Governor Michael Smith, Commissioner

May 29, 2024

This letter was sent to the listed parties.

RE: SR 13 at Strawtown Avenue Intersection Improvement Project

Perkinsville, Madison and Hamilton counties, Indiana

Des. No. 2003082

Dear Consulting Party,

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration (FHWA), proposes to proceed with the SR 13 at Strawtown Avenue Intersection Improvement Project in Perkinsville, Indiana (Des. No. 2003082).

This letter is part of the Section 106 review process for this project. Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic properties. We are requesting comments from you regarding the possible effects of this project. Please use the above Des. Number and project description in your reply and your comments will be incorporated into the formal environmental study.

A Section 106 early coordination letter was distributed on April 28, 2023. In addition, a letter distributed on November 8, 2023, notified consulting parties that a historic property short report was available for review and comment.

The proposed undertaking is located at SR 13 and Strawtown Avenue (8th Street Road) in Madison and Hamilton counties. It is located within Jackson Township (Madison County) and White River Township (Hamilton County) and appears on the Frankton, IN, USGS quadrangle in Sections 32 (Hamilton County) and 33 (Madison County), Township 20N, Range 6E. The project area can be viewed online at https://arcg.is/jqueP (the Des. No. is the most efficient search term once in the CRO-Public Web Map App).

The purpose of this project is to reduce or eliminate the high frequency and severity of crashes at the SR 13 at Strawtown Avenue intersection while maintaining good intersection mobility.

The identified need at this location involves the very high frequency of severe crashes compared to the volume of traffic at this intersection, specifically, the high frequency and severity of right-angle crashes. The two minor approaches at the intersection are offset from each other and both intersect SR 13 at a skew, which adds additional time for decision making and maneuvering and increases the exposure window for users. Sightlines at the



intersection are very poor. The topography at the intersection causes sight distance issues with westbound traffic on the east approach. Approach speeds on SR 13 are high when compared to the minor road approaches.

Crash data from 2017 to 2019 was analyzed for the intersection. During this timeframe, there were a total of 22 crashes, 15 of which were right-angle crashes, three rear-end crashes, two run-off-the-road crashes, and one other crash. Of the 22 crashes, eight resulted in injury, with seven being incapacitating and one non-incapacitating. The remaining 14 crashes involved property damage. The intersection was analyzed via RoadHAT 3 (a road hazard analysis tool) that determined the statistics of Index of Crash Costs (ICC) and Index of Crash Frequency (ICF). The ICC for this intersection is 2.68, indicating that it is prone to crashes of significant severity and cost. The ICF of the intersection is 4.17, indicating that the frequency of crashes at this intersection is exceptionally higher than what should be expected for an intersection of similar vehicular volume.

INDOT and the FHWA intend to proceed with the preferred alternative, which includes replacing the existing two-way stop with a single-lane RAB. The proposed RAB will reduce the existing intersection skew and eliminate the offset between the minor leg approaches. The RAB will include raised concrete islands, a center truck apron, and outside truck aprons. The preferred alternative includes new curb and gutters, a stormwater system, new roadside ditches, improved sight distance, and new lighting. Vehicle speeds will also be reduced at the intersection. Collisions associated with unprotected left-hand turns will also be reduced.

The project will require the acquisition of approximately 4.09 acres of permanent right-of-way (ROW) and approximately 0.55 acre of temporary ROW to reinstate existing entrances. No relocations are proposed.

Proposed excavation along the project corridor includes the removal of the existing roadway and roadbed to a depth of approximately four feet, a drainage system with pipes and structure depths ranging from three-to-four feet deep, and excavation to install lighting foundations at a depth of eight feet.

Kimley-Horn and Associates, Inc. (Kimley-Horn) is under contract with INDOT to advance the environmental documentation for the referenced project. Kimley-Horn has subcontracted with Kaskaskia Engineering, Inc. to complete the environmental documentation, and with Michael Baker International, Inc. (Michael Baker) to complete the Section 106 documentation for the project.

In accordance with 36 CFR 800.2 (c), you were invited to become a consulting party as part of the Section 106 process, or you are hereby invited to become a consulting party as part of the Section 106 process. Entities that have previously accepted consulting party status—as well as additional entities that are currently being invited to become consulting parties—are identified in the attached list.

The Section 106 process involves efforts to identify historic properties potentially affected by the undertaking, to assess the undertaking's effects on historic properties, and to seek ways to avoid, minimize, or mitigate any adverse effects on historic properties. For more information regarding the protection of historic properties, please see the Advisory Council on Historic Preservation's guide: Protecting Historic Properties: A Citizen's Guide to Section 106 Review available online at https://www.achp.gov/sites/default/files/documents/2017-01/CitizenGuide.pdf.

The Area of Potential Effects (APE) is the area in which the proposed project may cause alterations in the character or use of historic properties. The APE contains no resources listed in the National Register of Historic Places (NRHP).



A historian who meets the Secretary of the Interior's Professional Qualification Standards identified and evaluated aboveground resources within the APE for potential eligibility for listing in the NRHP. As a result of the historic property identification and evaluation efforts, no aboveground resources are recommended as eligible for listing in the NRHP.

An archaeologist who meets the Secretary of the Interior's Professional Qualification Standards is conducting a survey of archaeological resources within the APE for potential eligibility for listing in the NRHP. A report of that investigation is forthcoming and will be distributed to the appropriate consulting parties for review at a later date.

On May 1, 2023, in response to the ECL, Brittany Miller, Director of Indiana Landmark's Eastern Regional Office, requested (via email) to be included as a consulting party.

On May 1, 2023, Alex Brooks, Community Preservation Specialist for Indiana Landmarks, requested to be added as a representative of Tipton and Hamilton Counties, along with Mark Dollase.

On May 1, 2023, Ben Rhodd, Tribal Historic Preservation Officer for the Forest County Potawatomi Tribe (FCPT), offered a preliminary finding of "No Historic Properties" affected with significance to the FCPT.

On May 5, 2023, Diane Hunter, Tribal Historic Preservation Officer for the Miami Tribe of Oklahoma, sent a letter to INDOT CRO stating that the tribe has "no objection" to the proposed project at this time.

On May 30, 2023, Carissa Speck, Historic Preservation Director for the Delaware Nation, responded to the Early Coordination Letter (EC), stating that the tribe should be alerted "should any human remains and/or any Native American archaeological resources inadvertently be uncovered."

On May 30, 2023, Beth McCord, Deputy State Historic Preservation Officer, accepted consulting party status and affirmed the list of identified consulting parties was accurate.

On June 7, 2023, Erin Paden, Tribal Historic Preservation Specialist for the Shawnee Tribe, sent an email accepting consulting party status.

On June 20, 2023, Paul Barton, Tribal Historic Preservation Officer for the Eastern Shawnee Tribe of Oklahoma, sent a letter to INDOT CRO stating that the project poses "no adverse effect" to known sites of interest to the Eastern Shawnee Tribe.

On December 8, 2023, Beth McCord, Deputy State Historic Preservation Officer, provided comments on the HPSR on behalf of the Division of Historic Preservation and Archaeology (DHPA). The letter disagreed with the findings of the HPSR, saying that the "Bukouricz House may be eligible for the National Register of Historic Places under Criterion C in the area of architecture."

On December 14, 2023, Carissa Speck, Historic Preservation Director for the Delaware Nation, emailed INDOT CRO indicating that the tribe had no new concerns or questions related to the project.

On December 28, 2023, Paul Barton, Tribal Historic Preservation Officer for the Eastern Shawnee Tribe of Oklahoma, sent a letter to INDOT CRO stating that the project poses "no adverse effect" to known sites of interest to the Eastern Shawnee Tribe.



On December 28, 2023, Ben Rhodd, Tribal Historic Preservation Officer for the Forest County Potawatomi Tribe (FCPT), sent a letter indicating the project finding of "No Historic Properties" affected with significance to the FCPT.

The Effects Report is available for review in IN SCOPE at http://erms12c.indot.in.gov/Section106Documents/ (the Des. No. is the most efficient search term, once in IN SCOPE). You are invited to review this document and to respond with comments on any historic property impacts incurred as a result of this project so that an environmental report can be completed. We also welcome your related opinions and other input to be considered in the preparation of the environmental document. If a hard copy of the materials is needed, please respond to this email with your request within seven (7) days.

Please review the information and comment within thirty (30) calendar days of receipt. If you indicate that you do not desire to be a consulting party or if you have not previously accepted consulting party status and you do not respond to this letter, you will not be included on the list of consulting parties for this project and will not receive further information about the project unless the design changes.

For questions concerning specific project details, you may contact Katherine Molnar of Michael Baker International, Inc. at 602-294-2250 or Katherine.molnar@mbakerintl.com. All future responses regarding the proposed project should be forwarded to Michael Baker International, Inc. at the following address:

Katherine Molnar Architectural Historian Michael Baker International, Inc. 3815 River Crossing Parkway, Suite 20 Indianapolis, IN 46240 Katherine molnar@mbakerintl.com

Tribal Contacts please respond to INDOT's Acting Tribal Liaison, Matt Coon mcoon@indot.in.gov; (317-697-9752) with any responses pertaining to this project including providing INDOT/Indiana FHWA with additional information about Tribal resources/concerns and questions/comments regarding cultural resources. The FHWA point of contact is Kari Carmany-George at K.CarmanyGeorge@dot.gov (317-226-5629).

Sincerely.

Matthew S. Coon, Manager Cultural Resources Office Environmental Services

Enclosures:

- Area of Potential Effects Map
 - Distribution List

www.in.gov/dot/ An Equal Opportunity Employer

NextLevel

Correspondence 25. May 31, 2024

From: Alex Brooks
To: Molnar, Katherine J

Subject: EXTERNAL: Re: FHWA Project: Des. No. 2003082; Effects Report, SR 13 at Strawtown Avenue Intersection

Improvement Project, Madison and Hamilton counties, Indiana

Date: Friday, May 31, 2024 8:46:03 AM

EXTERNAL EMAIL

There do not appear to be any historic properties in the affected area, so we have no objections to the project.

.....

Alex Brooks

Community Preservation Specialist

Indiana Landmarks

1201 Central Avenue Indianapolis, IN 46202

Ph. 317-822-7908, 800-450-4534

Fax: 317-639-6734

www.indianalandmarks.org

Indiana Landmarks revitalizes communities, strengthens connections to our diverse heritage, and saves meaningful places.

Become a member | Subscribe to our e-letter | Find us on Facebook



Eric Holcomb, Governor Daniel W. Bortner, Director

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

June 28, 2024

Katherine Molnar Architectural Historian Michael Baker International, Inc. 3815 River Crossing Parkway, Suite 20 Indianapolis, Indiana 46240

Federal Agency:

Indiana Department of Transportation ("INDOT"),

on behalf of Federal Highway Administration, Indiana Division ("FHWA")

Re: Eff

Effects report for the Strawtown Avenue Intersection Improvement Project (Des. No. 2003082; DHPA No.

30738)

Dear Ms. Molnar:

Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108), 36 C.F.R. Part 800, and the "Programmatic Agreement (PA) Among the Federal Highway Administration, the Indiana Department of Transportation, the Advisory Council on Historic Preservation and the Indiana State Historic Preservation Officer Regarding the Implementation of the Federal Aid Highway Program In the State of Indiana," the staff of the Indiana State Historic Preservation Officer ("Indiana SHPO") has reviewed your May 29, 2024, submission, which was received by our office May 29, 2024, for this proposed project, the project area of which is located at White River Township, in Hamilton County; and in Jackson Township, in Madison County, Indiana.

Based on the information provided to our office, we believe that there will not be any alterations to the characteristics of the Bukouricz House (MB-7) at 16528 Strawtown Avenue, Noblesville, Indiana, that qualify it for inclusion in or eligibility for the National Register.

Additionally, we have received the archaeological report associated with this project. We will respond to that submission under separate cover.

The Indiana SHPO staff's archaeological reviewer for this project is Wade T. Tharp, and the structures reviewer is Toni Lynn Giffin. However, if you have a question about the Section 106 process, please contact initially the INDOT Cultural Resources staff members who are assigned to this project.

In all future correspondence about the Strawtown Avenue Intersection Improvement Project (Des. No. 2003082), the project area of which is located at White River Township, in Hamilton County; and in Jackson Township, in Madison County, Indiana, please refer to DHPA No. 30738.

Very truly yours,

Beth K McCord

Deputy State Historic Preservation Officer

BKM:TLG:WTT:wtt

eme: Matt Coon, Ph.D., Indiana Department of Transportation Susan Branigin, Indiana Department of Transportation Katherine Molnar, Michael Baker International, Inc. Toni Lynn Giffin, Indiana DNR-DHPA

Toni Lynn Giffin, Indiana DNR-DHPA Wade T. Tharp, Indiana DNR-DHPA

The DNR mission: Protect, enhance, preserve and wisely use natural, cultural and recreational resources for the benefit of Indiana's citizens through professional leadership, management and education.

www.IN.gov/DNR An Equal Opportunity Employer

Correspondence 27. July 25, 2024

From: Laserfiche Notification < donotreply@laserfiche.com>

Sent: Thursday, July 25, 2024 2:11 PM

To: Brinker, Haley < HBrinker@indot.IN.gov>

Subject: Section 106 Consultation - No. 2003082; Effects Report, SR 13 at Strawtown Avenue Intersection Improvement Project

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

This email is in response to No. 2003082; Effects Report, SR 13 at Strawtown Avenue Intersection Improvement Project. The Shawnee Tribe's Tribal Historic Preservation Department concurs that no known historic properties will be negatively impacted by this project. However, there is still potential for the discovery of unknown resources.

We have no issues or concerns at this time. Please continue with the project as planned, but in the event archaeological materials are encountered during construction, use, or maintenance of this location, please re-notify us at that time as we would like to resume immediate consultation under such a circumstance.

If you have any questions, you may contact me via email at Section106@shawnee-tribe.com

Thank you for giving us the opportunity to comment on this project



Erin Paden
TRIBAL HISTORIC PRESERVATION
SPECIALIST
Office: (918) 542-2441, x140
Emall: apaden@shawnee-tribe.com
29 S Hwy 69A
Miami. OK 74354



Eric Holcomb, Governor Daniel W. Bortner, Director

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 ·



September 17, 2024

Thomas Bodor Michael Baker International, Inc. 3815 River Crossing Parkway, Suite 20 Indianapolis, Indiana 46240

Federal Agency: Indiana Department of Transportation ("INDOT"),

on behalf of Federal Highway Administration, Indiana Division ("FHWA")

Re: Phase Ia Archaeological Field Reconnaissance Survey Report (Robinson et al., 04/23/2024) for the State Road 13 at Strawtown Avenue Intersection Improvement Project (Des. No. 2003082; DHPA No. 30738), proposed for locations in Madison County and in Hamilton County, Indiana

Dear Mr. Bodor:

Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108), 36 C.F.R. Part 800, and the "Programmatic Agreement (PA) Among the Federal Highway Administration, the Indiana Department of Transportation, the Advisory Council on Historic Preservation and the Indiana State Historic Preservation Officer Regarding the Implementation of the Federal Aid Highway Program in the State of Indiana," the staff of the Indiana State Historic Preservation Officer ("Indiana SHPO"/ "Indiana DNR-DHPA") has reviewed your submission, which was dated May 1, 2024, and originally received by our office May 2, 2024, which included the Phase Ia Archaeological Field Reconnaissance Survey Report (Robinson et al., 04/23/2024), as well as subsequently-received additional information and clarifications regarding the submissions to Indiana DNR-DHPA SHAARD system database. These materials are related to the State Road 13 at Strawtown Avenue Intersection Improvement Project (Des. No. 2003082; DHPA No. 30738), which is proposed for areas located in Madison County and in Hamilton County, Indiana.

In terms of archaeological resources, based on the submitted information and the documentation available to the staff of the Indiana SHPO, there is insufficient information regarding archaeological sites 12-M-0212 and 12-M-0285 (portions of each of which have been mapped immediately adjacent to portions of the proposed project area; and portions of each of which were subjected to resurvey during the archaeological investigations) to determine whether they are eligible for inclusion in the NRHP. However, the portions of these sites that may lie within the proposed project area do not appear to contain significant archaeological deposits, and we concur with the opinion of the archaeologist, as expressed in the Phase Ia Archaeological Field Reconnaissance Survey Report (Robinson et al., 04/23/2024), that no further archaeological investigations appear necessary at these portions of the proposed project area. The portions of archaeological sites 12-M-0212 and 12-M-0285 that are mapped outside the proposed project area must either be avoided or subjected to further archaeological investigations. Additionally, those areas of the site should be clearly marked so that they are avoided by all ground-disturbing project activities. If avoidance is not feasible, then a plan for subsurface archaeological investigations must be submitted to Indiana DNR-DHPA for review and comment. Any further archaeological investigations must be done in accordance with the "Secretary of the Interior's Standards and guidelines for Archeology and Historic Preservation" (48 F.R. 44716).

Additionally, in terms of 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 proposed project area. We concur with the opinions of the archaeologist, as expressed in the Phase Ia Archaeological Field Reconnaissance Survey Report (Robinson et al., 04/23/2024),

The DNR mission: Protect, enhance, preserve and wisely use natural, cultural and recreational resources for the benefit of Indiana's citizens through professional leadership, management and education.

www.IN.gov/DNR An Equal Opportunity Employer Thomas Bodor September 17, 2024 Page 2

that archaeological site 12-H-2009 (which was identified during the archaeological investigations) does not appear to be eligible for inclusion in the NRHP, and 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.

Thank you for uploading the Phase Ia Archaeological Field Reconnaissance Survey Report (Robinson et al., 04/23/2024) to the Indiana DNR-DHPA SHAARD system database; the report has been assigned the identifier AR-48-00406. Additionally, thank you for uploading the archaeological site resurvey record forms for archaeological sites 12-M-0212_R1 and 12-M-0285_R1, and the archaeological site survey record form for archaeological site 12-H-2009. The archaeological report and the archaeological site survey/resurvey record forms have been reviewed and approved.

The Indiana SHPO staff's archaeological reviewer for this project is Wade T. Tharp, and the structures reviewer is Toni Lynn Giffin. However, if you have a question about the Section 106 process, please contact initially the INDOT Cultural Resources staff members who are assigned to this project. In all future correspondence about the State Road 13 at Strawtown Avenue Intersection Improvement Project (Des. No. 2003082;), proposed for locations in Madison County and in Hamilton County, Indiana), please refer to DHPA No. 30738.

Very truly yours,

Beth K. McCord

Deputy State Historic Preservation Officer

BKM:WTT:wtt

emc: Matt Coon, Ph.D., Indiana Department of Transportation Susan Branigin, Indiana Department of Transportation Thomas Bodor, Michael Baker International, Inc. Molly Barletta, Kaskaskia Engineering, Inc. Katherine J. Molnar, Michael Baker International, Inc. Toni Lynn Giffin, Indiana DNR-DHPA Wade T. Thapy, Indiana DNR-DHPA

Documentation of Section 106 Finding of No Adverse Effect SR 13 at Strawtown Avenue Intersection Improvement Project

THIS PAGE INTENTIONALLY LEFT BLANK

Michael Baker

Appendix C. Project Area Photographs

Documentation of Section 106 Finding of No Adverse Effect SR 13 at Strawtown Avenue Intersection Improvement Project THIS PAGE INTENTIONALLY LEFT BLANK



Figure 2. Photo key on an aerial background.

THIS PAGE INTENTIONALLY LEFT BLANK



Photo 1. MB-07, Bukouricz House, showing the south (front) façade, facing north.



Photo 2. MB-07, Bukouricz House, showing the south (front) and east (side) façades, facing northwest.



Photo 3. Streetview along Strawtown Avenue approximately 100 feet west of the intersection of SR 13, facing east.



Photo 4. Streetview along SR 13 approximately 100 feet south of the intersection of Strawtown Avenue, facing north.



Photo 5. Streetview along SR 13 approximately 100 feet south of the intersection of Strawtown Avenue, facing south.



Photo 6. Streetview along SR 13 near the intersection of Strawtown Avenue, facing north.



Photo 7. Streetview along SR 13 approximately 100 feet north of the intersection of Strawtown Avenue, facing south.



Photo 8. MB-06, J. Zeller House, showing the south (front) and east (side) façades, facing northwest.

Michael Baker

Appendix D. Report Abstracts

Documentation of Section 106 Finding of No Adverse Effect SR 13 at Strawtown Avenue Intersection Improvement Project

Historic Property Short Report

SR 13 at Strawtown Avenue Intersection Improvement Project

Intersection of State Road 13 and Strawtown Avenue Jackson (Madison County) and White River (Hamilton County) Townships

Madison and Hamilton counties, Indiana

Des. No. 2003082 DHPA No. 30738

November 2023

Prepared For: Kimley-Horn and Associates, Inc. Indianapolis, Indiana

Prepared By: **Michael Baker International, Inc.** 100 Airside Drive Moon Township, Pennsylvania 15108

Principal Investigator: Katherine Molnar, MS

Contact: Timothy G. Zinn, MA Tzinn@mbakerintl.com 412-269-4619



ABSTRACT

This report documents the identification and evaluation efforts for properties included in the Area of Potential Effects (APE) for the SR 13 at Strawtown Avenue Intersection Improvement Project in Madison and Hamilton counties, Indiana (Des. No. 2003082). Above-ground resources located within the project APE were identified and evaluated in accordance with Section 106, National Historic Preservation Act (NHPA) of 1966, as amended, and the regulations implementing Section 106 (36 CFR Part 800).

As a result of the NHPA, as amended, and CFR Part 800, federal agencies are required to take into account the impact of federal undertakings on historic properties in the area of the undertaking. Historic properties include buildings, structures, sites, objects, and/or districts that are eligible for or listed in the National Register of Historic Places (NRHP). As this project is receiving funding from the Federal Highway Administration (FHWA), it is subject to a Section 106 review.

The APE contains no properties listed in the NRHP.

The APE contains no properties that are recommended eligible for listing in the NRHP.

5.0 Conclusions

The APE contains no properties listed in the NRHP.

As a result of identification and evaluation efforts for this project, no properties are recommended eligible for listing in the NRHP.

**Please note that the report in its entirety is available for review in IN SCOPE at http://erms12c.indot.in.gov/Section106Documents/ (the Des. No. is the most efficient search term, once in IN SCOPE).

Effects Report

SR 13 at Strawtown Avenue Intersection Improvement Project

Intersection of State Road 13 and Strawtown Avenue Jackson Township (Madison County) and White River (Hamilton County) Township

Madison and Hamilton Counties, Indiana

Des. No. 2003082 DHPA No. 30738

May 2024

Prepared For: Kimley-Horn and Associates, Inc. Indianapolis, Indiana

Prepared By: Michael Baker International, Inc. 100 Airside Drive Moon Township, Pennsylvania 15108

Principal Investigator: Katherine Molnar, MS

Contact: Timothy G. Zinn, MA Tzinn@mbakerintl.com 412-269-4619



1.0 Introduction

The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration (FHWA), proposes to proceed with the State Route (SR) 13 at Strawtown Avenue Intersection Improvement Project (Des. No. 2003082). Kimley-Horn and Associates, Inc. (Kimley-Horn) is under contract with INDOT to advance the environmental documentation for the referenced project. Kimley-Horn has subcontracted with Kaskaskia Engineering, Inc. to complete the environmental documentation and with Michael Baker International, Inc. (Michael Baker) to complete the Section 106 documentation for the project. The proposed undertaking is located along SR 13 and Strawtown Avenue (8th Street Road) in Madison and Hamilton counties, Indiana. It is within Jackson Township (Madison County) and White River Township (Hamilton County) and appears on the *Frankton, IN*, USGS topographic map in Sections 32 (Hamilton County) and 33 (Madison County), Township 20N, Range 6E (Figure 1).

This Effects Report (ER) was prepared in accordance with the INDOT Procedural Manual for Preparing Environmental Documents and with INDOT's *Cultural Resources Manual* (March 2014; updated 2019). It was prepared by personnel meeting the Secretary of the Interior's Professional Qualification Standards. Katherine Molnar, MS is the principal investigator and author of this document. She researched and evaluated the aboveground resources that will be 50 years of age or older by the time of the proposed project letting for National Register of Historic Places (NRHP) eligibility and assessed the project's potential impacts upon any NRHP listed or eligible historic properties within the project's area of potential effects (APE).

FINDING:

The SR 13 at Strawtown Avenue Intersection Improvement Project results in a finding of **No Adverse Effect** (36 CFR 800.5(b)) for the Bukouricz House.

***Please note that the report in its entirety is available for review in IN SCOPE at http://erms12c.indot.in.gov/Section106Documents/ (the Des. No. is the most efficient search term, once in IN SCOPE).

PHASE IA ARCHAEOLOGICAL RECONNAISSANCE FOR THE SR 13 at STRAWTOWN AVENUE INTERSECTION IMPROVEMENT PROJECT, MADISON AND HAMILTON COUNTIES, INDIANA

DES No. 2003082

Prepared for:

Federal Highway Administration and Indiana Department of Transportation

Prepared by:

Ryan Robinson Thomas Bodor Martin Fuess

Principal Investigator:

Thomas W. Bodor, MA, RPA

Michael Baker International, Inc. 100 Airside Drive Moon Township, PA 15108

August 2023

ABSTRACT

This report presents the results of the Phase Ia archaeological reconnaissance for the SR 13 at Strawtown Avenue Intersection Improvement Project in Madison and Hamilton Counties, near Perkinsville, Indiana (Des. No. 2003082). The Indiana Department of Transportation (INDOT), with funding from the Federal Highway Administration (FHWA), proposes the undertaking located along SR 13 and Strawtown Avenue (8th Street Road) within Jackson (Madison County) and White River (Hamilton County) Townships, on the *Frankton, IN*, USGS quadrangle, in Sections 32 (Hamilton County) and 33 (Madison County), Township 20N, Range 6E. The project area can be viewed online at https://arcg.is/jqueP (the Des. No. is the most efficient search term once in the CRO - Public Web Map App).

The purpose of this project is to reduce or eliminate the high frequency and severity of crashes at this intersection while maintaining good intersection mobility. INDOT and the FHWA intend to proceed with the preferred alternative, which includes replacing the existing two-way stop with a single-lane roundabout (RAB). The proposed roundabout will reduce the existing intersection skew and eliminate the offset between the minor leg approaches. The RAB will include raised concrete islands, a center truck apron, and outside truck aprons. The preferred alternative includes new curb and gutters, a stormwater system, new roadside ditches, improved sight distance, and new lighting. Vehicle speeds will also be reduced at the intersection. Collisions associated with unprotected left-hand turns will also be reduced.

Ten archaeological sites have been identified within a 0.8 km (0.5 mi) radius of the proposed Project Area and the potential for identifying additional archaeological sites within the Project Area is high.

The field investigations, which were conducted on June 1 through June 4, 2023, consisted of pedestrian reconnaissance, surface collection and the excavation of shovel test probes. The archaeological Area of Potential Effects (APE) is located along SR 13 and Strawtown Avenue and encompasses approximately 4.09 acres of permanent right-of-way (ROW) and approximately 0.55 acre of temporary ROW to reinstate existing entrances.

Phase Ia archaeological reconnaissance resulted in the identification of one archaeological site, 12-H-2009, consisting of a single, isolated, Pre-Contact lithic flake. The site is recommended as not eligible for inclusion in the National Register of Historic Places (NRHP).

CONCLUSIONS AND RECOMMENDATIONS

Summary

Michael Baker completed Phase Ia archaeological reconnaissance for proposed improvements to the SR 13 intersection with Strawtown Ave. and W 8th St. in Hamilton and Madison Counties, Indiana on behalf of the INDOT and FHWA. The APE for the proposed undertaking measures 4.2 ha (10.4 ac) and consists of permanent and temporary ROW. Field investigations were conducted between June 1-4, 2023, and consisted of pedestrian reconnaissance, surface survey, and subsurface sampling through excavation of 26 STPs

One Pre-Contact archaeological site, 12-H-2009, was identified within the southwest quadrant of the SR 13 and SR 128 intersection. The site consists of a single specimen of flaked stone debris recovered from within 22 cm of the ground surface in plowzone context from STP SW 2. Radial STPs excavated at five and 10 meters in cardinal directions around SW 2 were all negative for archaeological materials. No other archaeological materials were identified through subsurface sampling or other methods within the APE.

Recommendations

Phase Ia archaeological reconnaissance resulted in the identification of one archaeological site within the APE. Site 12-H-2009 consists of a single specimen of flaked stone debris recovered from disturbed (plowzone) context. Neither the artifact nor the site occupation is attributable to a specific cultural group or temporal affiliation. It is the opinion of Michael Baker that 12-H-2009 lacks integrity and significance and, therefore, is unlikely to yield information important to the interpretation of Indiana prehistory. Michael Baker recommends that 12-H-2009 is not eligible for the NRHP. No additional archaeological investigations are recommended at 12-H-2009. In addition, based on the results of the Phase Ia reconnaissance, Michael Baker recommends that the APE is unlikely to contain archaeological resources that are eligible for the NRHP and that no additional archaeological investigations are warranted within the APE based on the current design.

Should any human remains, burial objects, or features be uncovered during construction, work must immediately cease in the location of the discovery and INDOT-CRO and INDR, DHPA notified immediately.

***Please note that the report in its entirety is available for review [Tribes Only] in IN SCOPE at http://erms12c.indot.in.gov/Section106Documents/

(the Des. No. is the most efficient search term, once in IN SCOPE).

Indianapolis Legals From: Bischoff, Melissa

Subject: EXTERNAL: Thank you for placing your order with us.

Date: Saturday, November 9, 2024 12:45:50 PM

Attachments: ATT00001.jpg

ATT00002.jpg

EXTERNAL EMAIL

THANK YOU for your ad submission!

This is your confirmation that your order has been submitted. Below are the details of your transaction. Please save this confirmation for your records.

We appreciate you using our online self-service ads portal, available 24/7. Please continue to visit Indianapolis Star's online Classifieds HERE to place your legal notices in the future.

Changes and/or cancellations may not be honored up to 2 business days prior to your first publication date.

Job Details

Order Number: LSBN0190641 Classification: **Govt Public Notices**

Package: General Package Additional Options: 1 Affidavit \$0.00

Base amount: \$47.00 \$1.88 Service fee: Cash/Check/ACH • Discount: -\$0.00 \$48.88 Total payment:

As an incentive for customers, we provide a discount off the total order cost equal to the 3.99% service fee if you pay with Cash/Check/ACH. Pay by Cash/Check/ACH and save! In no event are service

fees refundable.

Payment Type: amex

Account Details

Michael Baker International 3815 River Crossing PKWY # 20 Indianapolis, IN � 46240-7756

317-689-6922

Melissa.Bischoff@mbakerintl.com Michael Baker International Credit Card - amex ********1006

Schedule for ad number LSBN01906410

Wed Nov 13, 2024

Indianapolis Star All Zones





Eric Holcomb, Governor Daniel W. Bortner, Director

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

December 9, 2024

Katherine Molnar Architectural Historian Michael Baker International, Inc. 3815 River Crossing Parkway, Suite 20 Indianapolis, Indiana 46240

Federal Agency: Indiana Department of Transportation ("INDOT"),

on behalf of Federal Highway Administration, Indiana Division ("FHWA")

Re: Indiana Department of Transportation's finding of "no adverse effect" on behalf of the Federal

Highway Administration for the State Road 13 at Strawtown Avenue Intersection Improvement

Project (Des. No. 2003082; DHPA No. 30738)

Dear Ms. Molnar:

Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108), 36 C.F.R. Part 800, and the "Programmatic Agreement (PA) Among the Federal Highway Administration, the Indiana Department of Transportation, the Advisory Council on Historic Preservation and the Indiana State Historic Preservation Officer Regarding the Implementation of the Federal Aid Highway Program In the State of Indiana," the staff of the Indiana State Historic Preservation Officer ("Indiana SHPO") has reviewed your November 7, 2024, submission, which enclosed INDOT's finding and supporting documentation, received in full by our office December 3, 2024, for the above-referenced project, which has been proposed for areas located at White River Township, in Hamilton County; and at Jackson Township, in Madison County; Indiana.

As previously indicated, the area of potential effects ("APE") proposed in the HPSR appears to be of adequate size to encompass the geographic area in which direct and indirect effects of a project of this nature could occur.

Also, as previous stated, for the purposes of the Section 106 review of this undertaking and based on the information provided in the HPSR, we agree with the conclusions in the HPSR that there are no previously recorded National Register of Historic Places ("NRHP")-listed or -eligible resources located within the APE. Furthermore, we also agree with the conclusion in the HPSR of the Contributing-rated status of the J. Zeller House (MB-6) at 9910 W 8th Street, Anderson, Indiana documented during survey.

Additionally, we previously commented, however, for the purposes of the Section 106 review of this undertaking and based on the information provided in the HPSR, our staff disagrees with the HPSR that the Bukouricz House (MB-7) at 16528 Strawtown Avenue, Noblesville, IN is not eligible for inclusion in the NRHP. Our staffs believes that the Bukouricz House may be eligible for the National Register of Historic Places under Criterion C in the area of architecture. The 1928 house exhibits several exterior character-defining features of the Craftsman style, including the side-gabled roof with wide overhanging eaves supported by knee braces, the large, hipped roof dormer, and the full-width integrated front porch. An unusual feature of the house are the shingle-covered, wide arches that rest on short piers and support the porch roof.

In terms of archaeological resources, as previously indicated, based on the submitted information and the documentation available to the staff of the Indiana SHPO, there is insufficient information regarding archaeological sites 12-M-0212 and 12-M-0285 (portions of each of which have been mapped immediately adjacent to portions of the proposed project area; and portions of each of which were subjected to resurvey during the archaeological investigations) to determine whether they are eligible for inclusion in the NRHP. However, the portions of these sites that may lie within the proposed project area do not appear to contain significant archaeological deposits, and we concur with the opinion of the archaeologist, as expressed in the Phase Ia Archaeological Field Reconnaissance Survey

Katherine Molnar December 9, 2024 Page 2

Report (Robinson et al., 04/23/2024), that no further archaeological investigations appear necessary at these portions of the proposed project area. The portions of archaeological sites 12-M-0212 and 12-M-0285 that are mapped outside the proposed project area must either be avoided or subjected to further archaeological investigations. Additionally, those areas of the site should be clearly marked so that they are avoided by all ground-disturbing project activities. If avoidance is not feasible, then a plan for subsurface archaeological investigations must be submitted to Indiana DNR-DHPA for review and comment. Any further archaeological investigations must be done in accordance with the "Secretary of the Interior's Standards and guidelines for Archeology and Historic Preservation" (48 F.R. 44716).

Additionally, in terms of archaeological resources, as previously indicated, 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 proposed project area. We concur with the opinions of the archaeologist, as expressed in the Phase Ia Archaeological Field Reconnaissance Survey Report (Robinson et al., 04/23/2024), that archaeological site 12-H-2009 (which was identified during the archaeological investigations) does not appear to be eligible for inclusion in the NRHP, and 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.

Accordingly, we concur with INDOT's November 4, 2024, Section 106 finding of "No Adverse Effect," on behalf of FHWA, for this federal undertaking.

The Indiana SHPO staff's archaeological reviewer for this project is Wade T. Tharp, and the structures reviewer is Toni Lynn Giffin. However, if you have a question about the Section 106 process, please contact initially the INDOT Cultural Resources staff members who are assigned to this project.

In all future correspondence about the SR 13 at Strawtown Avenue Intersection Improvement Project in Perkinsville, White River Township, Hamilton County and Jackson Township, Madison County, Indiana (Des. No. 2003082), please refer to DHPA No. 30738.

Very truly yours,

Beth K. McCord

Deputy State Historic Preservation Officer

BKM:TLG:WTT:wtt:tlg

emc: Matt Coon, Ph.D., Indiana Department of Transportation Susan Branigin, Indiana Department of Transportation Molly Barletta, Kaskaskia Engineering, Inc. Katherine J. Molnar, Michael Baker International, Inc. Toni Lynn Giffin, Indiana DNR-DHPA Wade T. Tharp, Indiana DNR-DHPA

APPENDIX E

Red Flag Investigation and Hazardous Materials



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue Room N758-ES Indianapolis, Indiana 46204 PHONE: (855) 463-6848 (855) INDOT4U **Eric Holcomb, Governor Michael Smith, Commissioner**

Date: June 8, 2023

To: Site Assessment & Management (SAM)

Environmental Policy Office - Environmental Services Division (ESD)

Indiana Department of Transportation (INDOT)

100 N Senate Avenue, Room N758-ES

Indianapolis, IN 46204

From: Jessica Stern

Kaskaskia Engineering Group, LLC

301 North Neil Street

Suite 400 Champaign, IL

jstern@kaskaskiaeng.com

Re: RED FLAG INVESTIGATION

DES # 2003082, State Project

Intersection Improvement, Roundabout

SR 13 at Strawtown Avenue

Hamilton and Madison Counties, Indiana

PROJECT DESCRIPTION

The proposed state project is located on SR 13 and Strawtown Avenue, in the Indiana Department of Transportation (INDOT) Greenfield District. The proposed project includes replacing the existing two-way stop with a single-lane roundabout (RAB). The RAB will include raised concrete islands, a center truck apron, outside truck aprons, new curb and gutters, a stormwater system, new roadside ditches, and new lighting.

Bridge Work Included in Project: Yes □ No ⊠ Structure #(s)
If this is a bridge project, is the bridge Historical? Yes \square No \square , Select \square Non-Select \square
(Note: If the project involves a historical bridge, please include the bridge information in the Recommendations
Section of the report).
Culvert Work Included in Project: Yes □ No ⊠ Structure #(s)
Proposed right of way: Temporary \boxtimes # Acres <u>0.55</u> Permanent \boxtimes # Acres <u>4.09</u> , Not Applicable \square
Type and proposed depth of excavation: Removal of the existing roadway and roadbed to a depth of approximately 4
feet below ground surface (ft-bgs); a drainage system with pipes and structure depths ranging from 3 to 4 ft-bgs; and excavation to install lighting foundations at a depth of 8 ft-bgs.
Maintenance of traffic (MOT): Maintenance of traffic will be phased and include lane shifts, lane closures, and a detour.
Work in waterway: Yes □ No ☒ Below ordinary high water mark: Yes □ No ☒
State Project: ⊠ LPA: □
Any other factors influencing recommendations: N/A

INFRASTRUCTURE TABLE AND SUMMARY

Infrastructure Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
Religious Facilities	1*	Recreational Facilities	1
Airports ¹	N/A	Pipelines	N/A
Cemeteries	1	Railroads	N/A
Hospitals	N/A	Trails	N/A
Schools	N/A	Managed Lands	1

¹In order to complete the required airport review, a review of public-use airports within 3.8 miles (20,000 feet) is required.

Explanation:

Religious Facilities*: Although not mapped on the GIS layer, one (1) religious facility was identified within the 0.5 mile search radius. The religious facility, Perkinsville Community Church, is located 0.41 mile northeast of the project area. No impact is expected.

Cemeteries: One (1) cemetery is located within the 0.5 mile search radius. The cemetery, Perkinsville Cemetery, is located 0.47 mile northeast of the project area. No impact is expected.

Recreational Facilities: One (1) recreational facility is located within the 0.5 mile search radius. The recreational facility, Perkinsville Park, is located 0.37 mile northeast of the project area. No impact is expected.

Managed Lands: One (1) managed land is located within the 0.5 mile search radius. The managed land, White River Restoration, is located 0.32 mile northeast of the project area. No impact is expected.

WATER RESOURCES TABLE AND SUMMARY

Water Resources Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
NWI - Points	N/A	Canal Routes - Historic	N/A
Karst Springs	N/A	NWI - Wetlands	5
Canal Structures – Historic	N/A	Lakes	2
NPS NRI Listed	1	Floodplain - DFIRM	9
NWI-Lines	2	Cave Entrance Density	N/A
IDEM 303d Listed Streams and Lakes (Impaired)	1	Sinkhole Areas	N/A
Rivers and Streams	1	Sinking-Stream Basins	N/A

If unmapped water features are identified that might impact the project area, direct coordination with INDOT ESD Ecology and Waterway Permitting will occur.

Explanation:

NPS NRI Listed: One (1) NPS NRI listed river is located within the 0.5 mile search radius. The NPS NRI listed river, White River, is located 0.14 mile north of the project area. No impact is expected.

NWI-Lines: Two (2) NWI line segments are located within the 0.5 mile search radius. The nearest NWI line segment is located 0.47 mile northeast of the project area. No impact is expected.

IDEM 303d Listed Streams and Lakes (Impaired): One (1) IDEM 303d Listed Streams is located within the 0.5 mile search radius. The IDEM 303d listed stream, White River, is located 0.14 mile north of the project area. White River is listed as impaired for Impaired Biotic Communities (IBC), mercury, nutrient impairment, Dissolved Oxygen (DO), pH, and PCBs. No impact is expected.

Rivers and Streams: One (1) river and stream segment is located within the 0.5 mile search radius. The river segment, White River, is located 0.14 mile north of the project area. No impact is expected.

NWI-Wetlands: Five (5) wetlands are located within the 0.5 mile search radius. The nearest wetland is located 0.13 northeast of the project area. No impact is expected.

Lakes: Two (2) lakes are located within the 0.5 mile search radius. The nearest lake is located 0.17 mile northeast of the project area. No impact is expected.

Floodplain-DFIRM: Nine (9) floodplain polygons are located within the 0.5 mile search radius. The project area is located within two of the floodplain polygons. Coordination with INDOT ESD Ecology and Waterway Permitting will occur.

MINING AND MINERAL EXPLORATION TABLE AND SUMMARY

Mining/Mineral Exploration Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:				
Petroleum Wells	4	Mineral Resources	N/A	
Mines – Surface	N/A	Mines – Underground	N/A	

Explanation:

Petroleum Wells: Four (4) petroleum wells are located within the 0.5 mile search radius. The nearest petroleum well is located 0.06 mile northwest of the project area. No impact is expected.

HAZARDOUS MATERIAL CONCERNS TABLE AND SUMMARY

Hazardous Material Concerns Indicate the number of items of concern found within the 0.5 mile search radius. If there are no items, please indicate N/A:			
Superfund	N/A	Manufactured Gas Plant Sites	N/A
RCRA Generator/ TSD	N/A	Open Dump Waste Sites	N/A
RCRA Corrective Action Sites	N/A	Restricted Waste Sites	N/A
State Cleanup Sites	N/A	Waste Transfer Stations	N/A
Septage Waste Sites	N/A	Tire Waste Sites	N/A

Underground Storage Tank (UST) Sites	N/A	Confined Feeding Operations (CFO)	N/A
Voluntary Remediation Program	N/A	Brownfields	N/A
Construction Demolition Waste	N/A	Institutional Controls	N/A
Solid Waste Landfill	N/A	NPDES Facilities	1
Infectious/Medical Waste Sites	N/A	NPDES Pipe Locations	N/A
Leaking Underground Storage (LUST) Sites	N/A	Notice of Contamination Sites	N/A

Unless otherwise noted, site specific details presented in this section were obtained from documents reviewed on the Indiana Department of Environmental Management (IDEM) Virtual File Cabinet (VFC).

Explanation:

NPDES Facilities: One (1) NPDES Facility is located within the 0.5 mile search radius. The NPDES facility, Permit Number INR10K128, is located 0.34 mile northeast of the project area, and was terminated on October 28, 2020. No impact is expected.

ECOLOGICAL INFORMATION SUMMARY

The Hamilton County and Madison County listings of the Indiana Natural Heritage Data Center information on endangered, threatened, or rare (ETR) species and high quality natural communities are provided at https://www.in.gov/dnr/nature-preserves/files/np_hamilton.pdf and https://www.in.gov/dnr/nature-preserves/files/np_hamilton.pdf and https://www.in.gov/dnr/nature-preserves/files/np_madison.pdf, respectively. A preliminary review of the Indiana Natural Heritage Database by INDOT ESD did indicate the presence of ETR species within the 0.5 mile search radius. Coordination with IDNR will occur.

A review of the USFWS database did not indicate the presence of endangered bat species in or within 0.5 mile of the project area. The range-wide programmatic coordination consultation for the Indiana Bat and Northern Long-eared Bat will be completed according to the most recent "Using the USFWS's IPaC System for Listed Bat Consultation for INDOT Projects".

RECOMMENDATIONS SECTION

Include recommendations from each section. If there are no recommendations, please indicate N/A:

INFRASTRUCTURE: N/A

WATER RESOURCES:

A Waters of the US Report is recommended based on the presence of mapped features, and coordination with INDOT ESD Ecology and Waterway Permitting will occur for the following features:

The project area is located within a floodplain (coordination only).

MINING/MINERAL EXPLORATION: N/A

HAZARDOUS MATERIAL CONCERNS: N/A

ECOLOGICAL INFORMATION: Coordination with IDNR will occur. The range-wide programmatic consultation for the

Indiana Bat and Northern Long-eared Bat will be completed according to the most recent "Using the USFWS's IPaC System for Listed Bat Consultation for INDOT Projects".

(Signature)

Dariane

Digitally signed by Dariane Davis Date: 2023.06.08 14:55:28

INDOT ESD concurrence: Davis

-04'00'

Prepared by:

Jessica Stern

Environmental Scientist

Kaskaskia Engineering Group, LLC

Graphics:

A map for each report section with a 0.5 mile search radius buffer around all project area(s) showing all items identified as possible items of concern is attached. If there is not a section map included, please change the YES to N/A:

SITE LOCATION: YES

INFRASTRUCTURE: YES

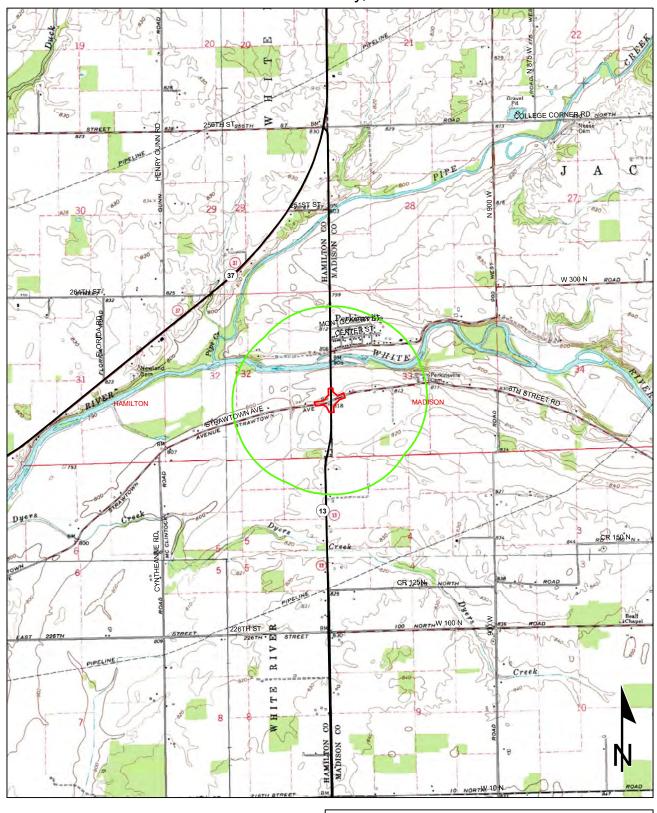
WATER RESOURCES: YES

MINING/MINERAL EXPLORATION: YES

HAZARDOUS MATERIAL CONCERNS: YES

Red Flag Investigation - Site Location SR 13 at Strawtown Road

Des. No. 2003082, Intersection Improvement, Roundabout Hamilton County, Indiana



0.5 0.25 0.5 Miles

Non Orthophotography

Data - Obtained from the State of Indiana Geographical Information Office Library

Orthophotography - Obtained from Indiana Map Framework Data

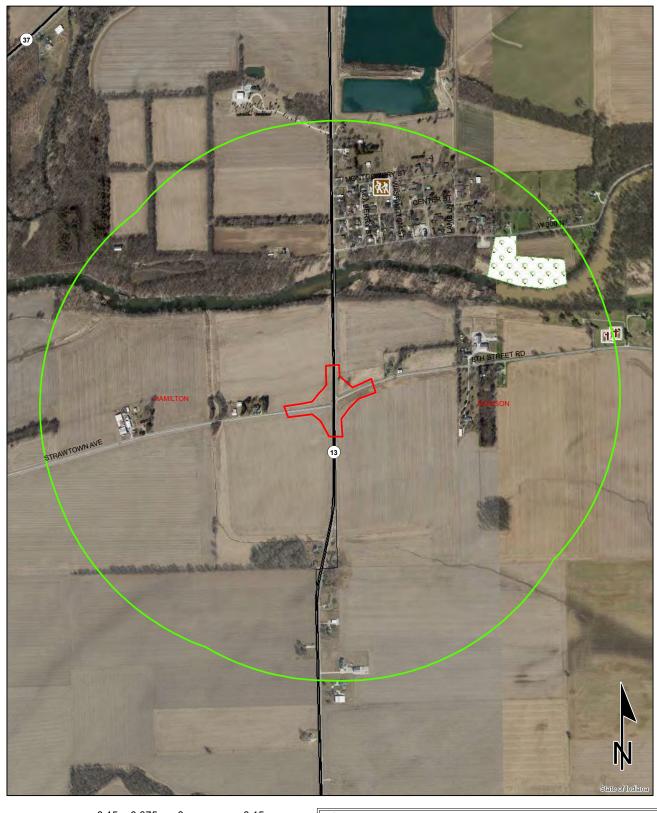
This map is intended to serve as an aid in graphic

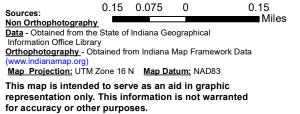
(www.indianamap.org)
Map Projection: UTM Zone 16 N Map Datum: NAD83 representation only. This information is not warranted for accuracy or other purposes.

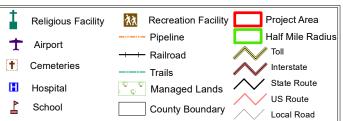
FRANKTON QUADRANGLE **INDIANA** 7.5 MINUTE SERIES (TOPOGRAPHIC)

Red Flag Investigation - Infrastructure SR 13 at Strawtown Avenue

Des. No. 2003082, Intersection Improvement, Roundabout Hamilton and Madison Counties, Indiana

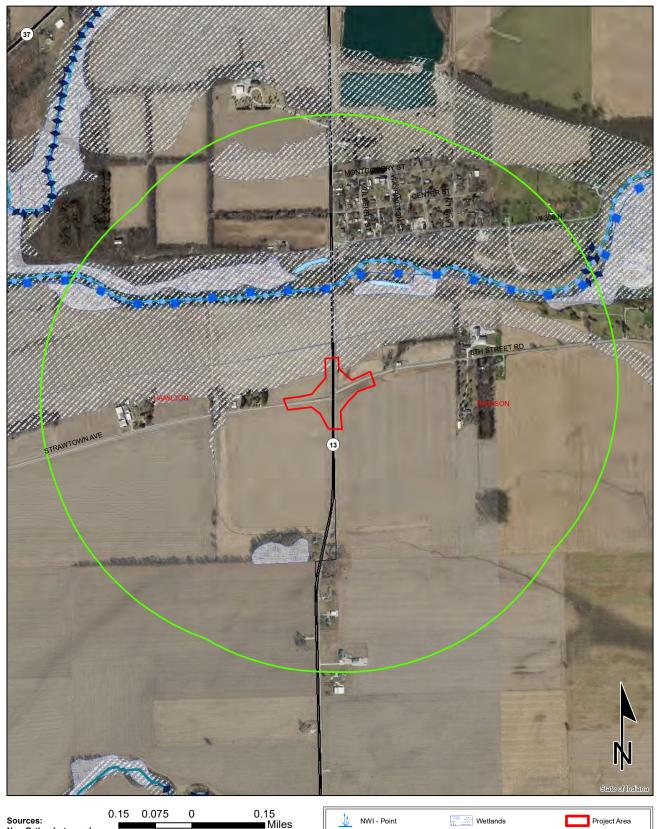






Red Flag Investigation - Water Resources SR 13 at Strawtown Avenue

Des. No. 2003082, Intersection Improvement, Roundabout Hamilton and Madison Counties, Indiana



Sources:
Non Orthophotography

Data - Obtained from the State of Indiana Geographical Information Office Library

Orthophotography - Obtained from Indiana Map Framework Data (www.indianamap.org)

Map Projection: UTM Zone 16 N Map Datum: NAD83

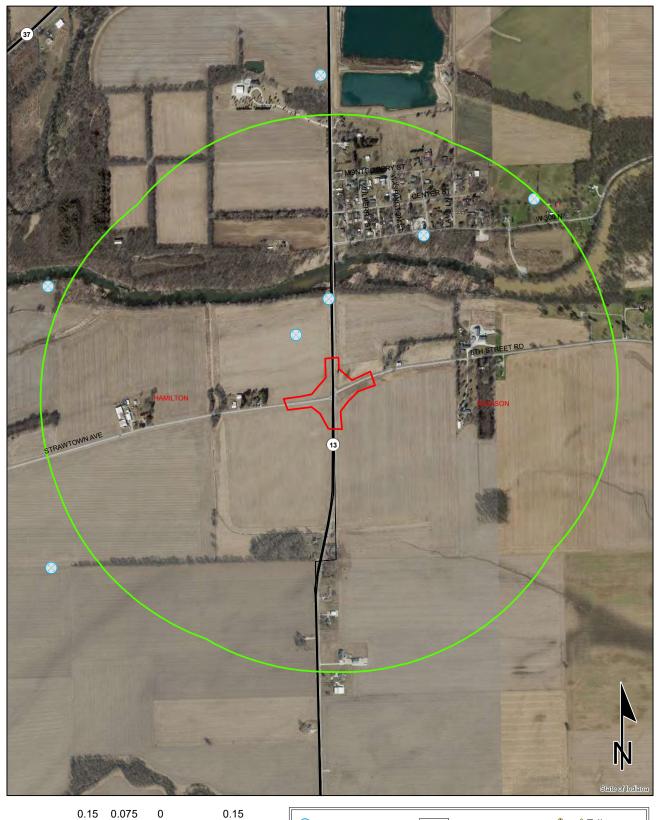
This map is intended to serve as an aid in graphic

This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.



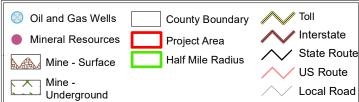
Red Flag Investigation - Mining and Mineral Exploration SR 13 at Strawtown Avenue

Des. No. 2003082, Intersection Improvement, Roundabout Hamilton and Madison Counties, Indiana

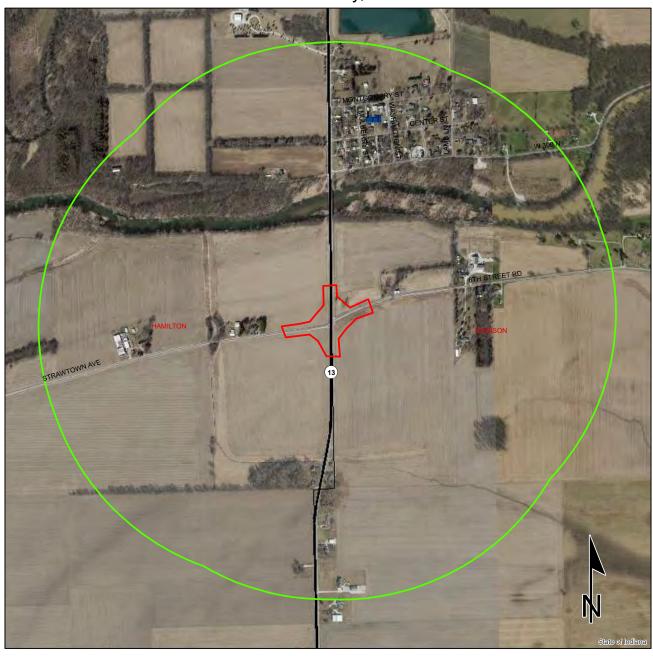


Non Orthophotography
Data - Obtained from the State of Indiana Geographical
Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data
(www.indianamap.org)
Map Projection: UTM Zone 16 N Map Datum: NAD83
This map is intended to serve as an aid in graphic

This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.



Red Flag Investigation - Hazardous Material Concerns SR 13 at Strawtown Avenue Des. No. 2003082, Intersection Improvement, Roundabout Hamilton County, Indiana





0.15 0.075 0 0.15 Miles

This map is intended to serve as an aid in graphic

Map Projection: UTM Zone 16 N Map Datum: NAD83

APPENDIX F

Water Resources

Chad Kelly

From: Geissler, Aidan < AGeissler@indot.IN.gov>

Sent: Tuesday, June 27, 2023 1:47 PM

To: Brigitte Moneymaker

Cc: Curry, Jennifer; Molly Barletta; Jessica Stern; Szewczak, Kimberly

Subject: RE: No WOTUS Concurrence DES 2003082 [21-1155.03]

Attachments: 2023 Permit Determination Checklist.pdf

Categories: Saved to SharePoint by Managed Filing,

https://kaskaskiaeng.sharepoint.com/sites/21-1155.03/Emails

Hi Brigitte,

Thank you for reaching out, and for sharing the attachments and description. I agree that a Waters Report is not necessary for this work, and no 401/404 permits will be necessary. When you are able, can you please fill out (or have the designer complete) the attached Permit Determination Checklist to assess whether other permits will be needed. Thank you!

Take care,

Aidan Geissler

Ecology and Waterway Permitting Office, INDOT

100 N Senate Ave. Indianapolis, IN 46204 Cell: (317)-694-7134

Email: ageissler@indot.in.gov

From: Brigitte Moneymaker < BMoneymaker@kaskaskiaeng.com>

Sent: Thursday, June 22, 2023 12:32 PM **To:** Geissler, Aidan <AGeissler@indot.IN.gov>

Cc: Curry, Jennifer <JCurry1@indot.IN.gov>; Molly Barletta <MBarletta@kaskaskiaeng.com>; Jessica Stern

<JStern@kaskaskiaeng.com>

Subject: No WOTUS Concurrence DES 2003082 [21-1155.03]

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

Good Morning,

We feel a WOTUS is not necessary for the above referenced project since no jurisdictional waters were found within the investigated area. Please review and provide your concurrence:

- Location: Intersection of State Road (SR) 13 and Strawtown Avenue in Hamilton and Madison Counties
- **Project Description:** INDOT proposes to replace the existing two-way stop with a single-lane roundabout (RAB). The RAB will include raised concrete islands, a center truck apron, outside truck aprons, new curb and gutters, a stormwater system, new roadside ditches, and new lighting.
- Mapping/Visual Resources: IndianaMAP, NWI, USGS, NHD, USGS Topo maps, and IDNR Best Available Floodplain were reviewed. The NHD map showed one drainageway that flows from South to North underneath 8th Street Road within the eastern quadrant of the investigated area. There was one roadside ditch (RSD1) found along the west side of SR 13 within the investigated area, but it did not have a defined OHWM. It was determined to be excavated wholly in and draining only uplands and did not carry a relatively permanent flow of

- water. No other mapped water resources were found within the investigated area. KEG completed a site visit on May 10, 2023, and did not find any jurisdictional streams or wetlands within the project area.
- **Attached**: Attached are maps of the project location, a USGS map, NWI, NHD, and floodplain map, a photo direction map, and photos from the site visit.
- **Associated vegetation**: Dominant species along the roadway were common ditch grass species, including false rye grass (*Schedonorus arundinaceus*, FACU) and Kentucky blue grass (*Poa pratensis*, FAC).

Name	Lat	Long	Location	Description	Length
RSD 1	40.138151	-85.862941	Drains from south to north along the west side of SR 13	Grassy swale	494.78 ft

Thank you for your time, Brigitte



Brigitte Moneymaker Environmental Scientist

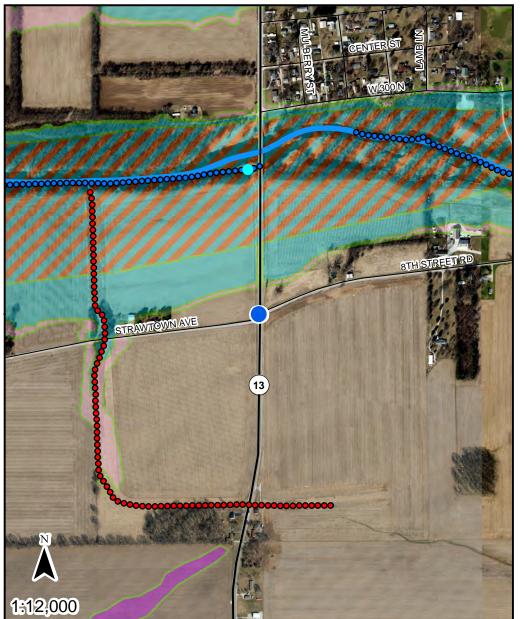
Certified: WBE/DBE/WOSB/EDWOSB

434.962.3525 cell

BMoneymaker@kaskaskiaeng.com



Floodplain Analysis & Regulatory Assessment (FARA)



Point of Interest

Base Flood Elevation Point

Flood Elevation Points

- STUDIED STREAM
- JURISDICTIONAL UNSTUDIED **STREAM**

Rivers and Streams at least 1 square mile

Drainage Area (sq. miles)

1 - 10

> 500

FEMA Zone AE Floodway; FEMA

Administrative Floodway

FEMA Zone AE

DNR Approximate Fringe

Additional Floodplain Area; DNR .2

Percent Flood Hazard

Point of Interest Coordinates (WGS84)

Long: -85.862880118

Lat: 40.1389642297

The information provided below is based on the point of interest shown in the map above.

County: Hamilton Approximate Ground Elevation: 817.0 feet (NAVD88)

Stream Name: Base Flood Elevation: 803.8 feet (NAVD88) **West Fork White River**

Drainage Area: Not available

Best Available Flood Hazard Zone: Not Mapped

National Flood Hazard Zone: Not Mapped

Is a Flood Control Act permit from the DNR needed for this location? See following pages

Is a local floodplain permit needed for this location? Contact your local Floodplain Administrator-

Floodplain Administrator: CJ Taylor, Plan Commission Director

Community Jurisdiction: Hamilton County, ETJ

Phone: (317) 776-8490

Email: CJ.Taylor@hmiltoncounty.in.gov

US Army Corps of Engineers District: Louisville

APPENDIX G

Public Involvement

We Make a Difference



Sample

Re: Designation Number: 2003082, SR 13 at Strawtown Avenue Intersection Improvement Project, Madison, Hamilton, and Tipton counties, Indiana

Notice of Entry for Survey or Investigation

May 1, 2023

Dear Property Owner,

Our information indicates that you own/or reside at a property near a proposed transportation project located at the intersection of State Road (SR) 13 and Strawtown Avenue (8th Street Road), within Madison and Hamilton counties, near Strawtown and Lapel, Indiana. Representatives of the Indiana Department of Transportation will be conducting environmental surveys of the project area in the near future. These studies will evaluate the roadway as well as the surrounding area near the intersection. It may be necessary for them to enter onto your property to complete this work. This is permitted under Indiana Code § 8-23-7-26. Anyone performing this type of work has been instructed to identify him or herself to you, if you are available, before they enter your property. If you no longer own this property or it is currently occupied by someone else, please let us know the name of the new owner or occupant so that we can contact them about the survey.

Please read the attached notice to inform you of what the "Notice of Entry for Survey or Investigation" means. The survey work may include the identification and mapping of wetlands, measuring and identification of trees and/or vegetation, archaeological investigations (which may involve the survey, testing, or excavation of identified archaeological sites), and various other environmental studies. Any excavation work conducted as part of this project will involve hand tools only. Excavations will be backfilled upon completion. The information we obtain from such studies is necessary for the proper planning and design of this highway project.

Staff performing this work will retain a copy of this letter and will attempt to identify themselves to the occupant before they enter the property. We anticipate these field investigations will occur starting May 2023 (weather dependent).

If any problems do occur, please communicate with the field crew or INDOT Project Manager, Kim Szewczak, at 317-289-3193, email: kszewczak@indot.in.gov or Consultant Project Manager, Tom Heustis at 317-643-4047, email: Heustis, Tom Tom.Heustis@kimley-horn.com.

Please be aware that you have the right to request any or all archaeological artifacts collected from your property. If you do not ask that artifacts be returned to you, all recovered archaeological material will be curated at a state-approved Qualified Curation Facility. If you wish to have artifacts returned to you, please call or email Matt Coon at mcoon@indot.in.gov or 317-697-6752.

It is our sincere desire to cause as little inconvenience as possible during this survey, and we thank you in advance for your cooperation.

Sincerely, Bill Curtis, PE Project Manager - Highway Michael Baker International, Inc.

Attachments: Omitted

- Notice of Survey
- Indiana Code



S.R. 13 Roundabouts - Public Information Meeting August 17, 2023 LaPel High School

Name	Address	Email
Sharon Antrim	8573N 900 W	
Garland Antrim	samo J	
Clera & Cely Barber	9881 W. Centers St.	
Frank Shafter by	9845 W. Montgomery, Anderson 40011	Houkand Tande Tradier com
MIKE FOUNTAIN	9910 WETH STREOT	Hosekand Tande Transcer. com
Varighe Bracken	1412N. 5R.B	anduson, In 46011
John Simmer non	9538 W State Rd32	Lapel In 4(003/
Din Hurron	9493 Auswer G	LAPRI 14 46051
Janet Shetterly	9845 W Montgomery	Anderson IN 46011
Glen Hune Godon	16285 B. 21614	No6 46060
Adam Hester	929 W 7th Anderson 46016	& ahester@dlz.com



S.R. 13 Roundabouts

To improve safety and maintain mobility at two intersections in Hamilton, Madison and Tipton counties

The Indiana Department of Transportation (INDOT) is seeking public input on the proposed construction of two roundabouts on State Road (S.R.) 13:

- 1. S.R. 13/37 and S.R. 128/East 296th Street near Elwood (Des. No. 2003081)
- 2. S.R. 13 and Strawtown Avenue/West 8th Street near Perkinsville (Des. No. 2003082)

Safety: Low-cost improvements at these intersections have not reduced crash frequency and severity. Reasons for the higher-than-normal number of crashes and injuries include:

- Limited sight distance for local cross traffic
- High traffic speeds on S.R. 13

Cost: The existing two-way stop intersections would be converted to single-lane roundabouts at an estimated cost of \$3 to \$4 million per intersection. See the second page for more information about the specific intersections.

Project status: The project is in the early stages of development. The project team will assess potential impacts the project will have on the human and natural environments.

Contact INDOT:

- 855-INDOT4U (1-855-463-6848)
- www.indot4u.com
- indot@indot.in.gov





S.R. 13/37 and S.R. 128/E. 296th St. near Elwood



Location: State Road 13 is also S.R. 37 at this intersection where the Hamilton, Madison and Tipton county lines intersect.

Safety: There were 18 crashes at this intersection over a three-year period, including 7 injury crashes.

Nearby bridge: Roundabout construction would shift the intersection to avoid impacting a bridge 100 feet west of the intersection.

Construction traffic: North-south traffic on S.R. 13/37 is expected to be maintained with short-term closures. The east and west approaches may be closed for the majority of construction.

S.R. 13 and Strawtown Ave./W. 8th St. near Perkinsville

Location: This intersection is just south of the White River bridge on the Hamilton-Madison county line.

Construction traffic: Temporary closures, in phases, of each approach to the intersection are being considered.

Safety: There were 22 crashes at this intersection over a three-year period, including 8 injury crashes. A hill on the south side of the intersection limits sight distance for cross-traffic.





855-INDOT4U (1-855-463<u>-6848)</u>



www.indot4u.com



indot@indot.in.gov

STATE OF INDIANA }

}SS.

COUNTY OF HAMILTON

Public Notice: DES #s 2003081 and 2003082

Petitioner: INDOT/Compass

Outreach Solutions

AFFIDAVIT OF PUBLICATION

Personally appeared before me, a notary public in and for said county and state, the undersigned, Steve Greenberg who, being duly sworn, says that the Publisher of Current in Fishers and Current in Noblesville newspapers of general circulation printed and published in the English language in the city of Carmel in state and county afore-said, and that the printed matter attached hereto is a true copy, which was duly published in said papers, the date of publication being as follows:

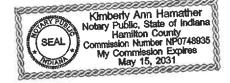
August 15, 2023.

0 0

Subscribed and sworn to before me on August 15, 2023.

Notary Public Signature

Publisher's Fee: \$56.30



MEETING FOR INDOT DES #s 2003081 and 2003082 G-6
S.R.13 Roundabouts in Hamilton, Madison and Tipton Counties
The Indiana Department of Transportation (IN-

LEGAL NOTICE OF PUBLIC INFORMATION

DOT) will host a public information meeting to discuss the proposed construction of two roundabouts on State Road (S.R.) 13 in Hamilton, Madison and Tipton counties.

What: INDOT Public Information Meeting
When: Thursday, August 17, 2023
5 to 7 p.m.; presentation at 5:30 p.m.
Where: Lapel High School Auditorium
1850 S 900 W. Lapel, IN 46051

The first roundabout is proposed at the intersection of S.R. 13 and Strawtown Avenue/West 8th Street near Perkinsville. The second roundabout would be located at the intersection of S.R. 13/37 and S.R. 128/East 296th Street near Elwood.

The purpose of the public open house is to give residents an opportunity to learn more about the proposed roundabouts and to provide feedback to the project team. Doors will open at 5 p.m. and the presentation will begin at 5:30 p.m. Project

maps and handouts will be available for public review before and after the presentation at an open house session.

The purpose of the project is to improve safety and mobility at both intersections. Existing two-way stop intersections would be converted to single-lane roundabouts at an estimated cost of \$

ingle-lane roundabouts at an estimated cost of \$3 to 4 million per intersection.

INDOT is committed to ensuring that all public meetings are accessible to individuals with disabilities. If you require special accommodations

INDO I is committed to ensuring that all public meetings are accessible to individuals with disabilities. If you require special accommodations to participate in this meeting, please contact Erin Pipkin at erin@compassoutreachsolutions.com or (317) 966-7301 in advance of the meeting.

General Form No 99P (Rev. 2009A)

Daily Reporter

Prescribed by State	Board of Accounts	General Form No 99P (Rev. 2009A)
Attn: Name: • Address:	Pipkin, Erin /L 920 Moonlight Court	AIM MEDIA INDIANA d/b/a DAILY REPORTER PO BOX 3213 McALLEN, TX 78502-3213
City/State:	Mooresville, IN 46158	FED I.D. #32-0472774
Acct #	G11218847	
Order#	60125200	
(Government Unit	County: Hancock	
(dovernment one	PUBLISHER'S CL	AIM
LINE COUNT		80
Data for com	oputing costs: Number of equivalent lines per colum	[[]
Number of C	olumns	
Number of I	nsertions	
COMPUTATION	OF CHARGES	
	ines, 1 column(s) x rate of 0.3739 cents per line	
	ges for notices containing rule or tabular work percent surcharge included in rate above) a proofs of publication (\$1.00 for each proof in excess	ss of two included in rate above)
	TAL AMOUNT OF CLAIM	29.91
amount claimed i	s legally due, after allowing all just credits, and that FIDAVIT al Advertising Clerk of the newspaper of general circ if Greenfield in state and county aforesaid, and tha	tify that the foregoing account is just and correct, that the no part of the same has been paid. ulation printed and published in the English language in the printed matter attached hereto is a true copy, which
8.	/12/2023	
	ely Clark gal Advertising Clerk	8/14/2023 Date

08/14/2023 07:50:56 1 of 2 Page

Order Number PO Number

Customer

Contact

Address1 Address2

City St Zip Phone Fax

Credit Card

Printed By **Entered By**

: Keywords ě. Notes Zones

60125200

G11218847 Pipkin, Erin /L

920 Moonlight Court

Mooresville IN 46158 (317) 966-7301

Cindy Fillenworth Dee Berge

DES #s 2003081 and 2003082

50163250 Ad Number

Ad Key 812 - DR Class 2 - Berge Salesperson Daily Reporter

Publication 60 Notices Section 60 Notices Sub Section 6015 Legals

Category 08/12/2023-08/12/2023 Dates Run

Days

1 x 7.76, 80 lines Size

261 Words

L-Government Ad Rate

29.91 Ad Price 0.00 **Amount Paid** 29.91 **Amount Due**

Legal Advertisement LEGAL NOTICE OF PUBLIC INFORMATION MEETING FOR INDOT DES #s 2003081 and 2003082

S.R.13 Roundabouts in Hamilton, Madison and **Tipton Counties**

The Indiana Department of Transportation (INDOT) will host a public information meeting to discuss the proposed construction of two construction of two roundabouts on State Road (S.R.) 13 in Hamil-ton Medico ton, Madison and Tipton

counties. What: INDOT Public Inforwhat: INDOT Public Infor-mation Meeting When: Thursday, August 17, 2023 5 to 7 p.m.; presentation

at 5:30 p.m. Where: Lapel High School

Auditorium 1850 S 900 W, Lapel, IN 46051

The first roundabout is proposed at the inter-section of S.R. 13 and Strawtown Avenue/West 8th Street near Per-kinsville. The second roundabout would be located at the intersection of S.R. 13/37 and S.R. 128/East 296th Street

near Elwood. The purpose of the public open house is to give residents an opportunity to learn more about the proposed roundabouts and to provide feedback to the project team. Doors will open at 5 p.m. and the presentation will begin at 5:30 p.m. Project maps and handouts will be available for public review before and at the property of the project has been presented as the property of the project has a property of the project has been project to be project to the project has been project to the ter the presentation at an open house session.
The purpose of the project

is to improve safety and mobility at both intersec-tions. Existing two-way stop intersections would converted single-lane roundabouts at an estimated cost of \$3 to 4 million per intersection.

Order Number

Customer

PO Number

G11218847 Pipkin, Erin /L

Contact Address1

Address2

City St Zip Phone

Fax Credit Card Printed By

Entered By

Keywords Notes Zones

60125200

920 Moonlight Court

Mooresville IN 46158 (317) 966-7301

Cindy Fillenworth Dee Berge

DES #s 2003081 and 2003082

50163250 Ad Number

Ad Key

Category

Salesperson Publication Section **Sub Section**

60 Notices 60 Notices 6015 Legals

08/12/2023-08/12/2023

Daily Reporter

812 - DR Class 2 - Berge

Dates Run Days

1 x 7.76, 80 lines Size 261

Words

L-Government Ad Rate 29.91 Ad Price 0.00 **Amount Paid** 29.91 **Amount Due**

suring that all public meetings are accessible to individuals with disabilities. If you require special accommodations to participate in this meeting, please contact Erin Pipkin at erin@compassoutreachs olutions.com or (317) olutions.com or (317) 966-7301 in advance of the meeting. 60125200 hspaxlp DR 8/12/23

General Form No 99P (Revised 2

Tax I.D 82-2664009

To: Anderson Herald Bulletin P.O. Box 1090, Anderson, Ind

LEGAL NOTICE OF PUBLIC INFORMATION MEETING FOR INDOT
DES #s 2003081 and 2003082
S.R.13 Roundabouts in Hamilton, Madison and Tipton Counties The Indians Department Transportation (INDOT) will host a public information meeting to discuss the proposed construction of two roundabouts on State Road (S.R.) 13 in Hamilton, Madison and Tipton counties. What: INDOT Public Information Meeting When: Thursday, August 17, 2023 5 to 7 p.m.; presentation at 5:30 p.m. Where: Lapel High School Auditorium 1850 900 W. Lapel, IN 46051 The first roundabout is proposed at the intersection of S.R. 13 and Strawtown Avenue/West 8th Street near Perkinsville. The second roundabout would be located at the Intersection of S.R. 13/37 and S.R. 128/East 296th Street near Elwood. The purpose of the public open house is to give residents an opportunity to learn more about the proposed roundabouts and to provide feedback to the project team. Doors will open at 5 p.m. and the presentation will begin at 5:30 p.m. Project maps and handouts will be available for public review before and after the presentation at an open house session. The purpose of the project is to improve safety and mobility at both intersections. Existing two-way stop intersections. INDOT is committed to ensuring that all public meetings are accessible to individuals pewith disabilities. If you require spece 1 accessible to individuals pewith disabilities. If you require spece 1 accessible to individuals pewith disabilities. If you require spece 1 accessible to individuals pewith disabilities. If you require spece 1 accessible to individuals pewith disabilities. If you require spece 1 accessible to individuals pewith disabilities. If you require spece 1 accessible to individuals pewith disabilities. If you require spece 1 accessible to individuals pewith disabi Indiana Department of Transportation (INDOT) Lapel High School (Governmental Unif) Madison County, Indiana **PUBLISHER'S CLAIM** HB- 590 LINE COUNT Ad # 1842845 Display Master (Must not exceed two actual lines, neither of which shall total more more than four solid lines of the type in which the body of the advertisement is set) - number of equivalent lines Head - number of lines Body - number of lines Total number of lines in notice **COMPUTATION OF CHARGES** columns wide equals 54 lines. equivalent lines at 0.8086 cents per line \$43.66 Serger in the services to Additional charge for notices containing rule or tabular work (50 percent of above amount) Charge for extra proofs of publication (\$1.00 for each proof in excess of two) **Total Amount of Claim** DATA FOR COMPUTING COST 99 Size of type 7 point Width of single column in picas Number of insertions 2 m or (317) 966-7301 in advance of the meeting. HB-590 8/7.14 hspaxip 1842845 Pursuant to the provisions and penalties of IC 5-11-10-1, I hereby certify that the foregoing account is just and correct, that the amount claimed is legally due, after allowing all just credits, and that no part of the same has been paid I also certify that the printed matter attached hereto is a true copy, of the same column width and type size, which was duly published in said paper 2 times. The dates of publication being as follows: August 7, 2023 August 14, 2023 Additionally, the statement checked below is true and correct: Newspaper does not have a Web site Newspaper has a Web site and this public notice was posted on the same day as it was published in the newspaper Newspaper has a Web site, but due to technical problem or error, publish notice was posted on Newspaper has a Web site but refuses to post the public notice Title Legal Advertising Clerk August 14, 2023

See table of legal rates in the applicable State Board of Accounts Bulletin

LEGAL ADVERTISING

Claim No	Warrant No.	i nave examined the	e within claim and hereby
		certify as follows:	
	IN FAVOR OF	That it is in proper form.	
		That it is duly authenticate	d as required by law.
		<u></u>	
		That it is based upon state	itory authority
			correct
	\$	That it is apparently	incorrect
ON ACCOUNT OF APPROPRI	ATION FOR	correct; that the and for which ch	ne within claim is true and e services there in itemized large is made were ordered re necessary to the public business
Ар	propriation No		
			=
ALLOWED			
ALLOWED	*		
	IN THE SUM OF \$	=	
			-
-			
-			
*			
90			
	Attest		

APPENDIX H

Air Quality

Federal Transit Administration Region V 200 West Adams St., Suite 320 Chicago, IL 60606-5253



U.S. Department of Transportation

Federal Highway Administration Indiana Division 575 N. Pennsylvania St., Rm 254 Indianapolis, IN 46204-1576

September 1, 2023

Mr. Michael Smith Commissioner Indiana Department of Transportation 100 N Senate Ave. N955 Indianapolis, IN 46204

SUBJECT: Indiana FY2024-2028 STIP Approval and Associated Federal Planning Finding

Dear Mr. Smith:

The Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) have completed our review of the FY2024-2028 Indiana Statewide Transportation Improvement Program (INSTIP), which was submitted by the Indiana Department of Transportation (INDOT) request letter dated August 23, 2023.

Based on our review of the information provided, certifications of the Statewide and Metropolitan transportation planning processes for and within the state of Indiana, and our participation in those transportation planning processes (including planning certification reviews conducted in Transportation Management Areas), FHWA and FTA are jointly approving the FY2024-2028 STIP, including the Metropolitan Planning Organization (MPO) Transportation Improvement Programs (TIPs) incorporated into the STIP by reference, subject to the corrective actions identified in the attached Federal Planning Finding (FPF) report. FHWA and FTA consider the projects in the 5th year for informational purposes only, and our approval does not exceed four years per 23 CFR 450.220(c).

FHWA and FTA are required under 23 CFR 450.220(b) to document and issue an FPF in conjunction with the approval of the FY2024-2028 STIP. At a minimum, the FPF verifies that the development of the STIP is consistent with the provisions of both the Statewide and Metropolitan transportation planning requirements. FHWA and FTA find that the Indiana FY2024-2028 STIP substantially meets the transportation planning requirements and are approving the STIP subject to the corrective actions outlined in the FPF. This approval is effective September 1, 2023 and is given with the understanding that an eligibility determination of individual projects for funding must be met, and INDOT must ensure the satisfaction of all administrative and statutory requirements, as well as address the corrective actions outlined in the attached report.

If you have questions or need additional information concerning our approval and the FPF, please contact Ms. Erica Tait of the FHWA Indiana Division at (317) 226-7481, or by email at erica.tait@dot.gov, or Mr. Tony Greep of the FTA Region 5 Office at (312) 353-1646, or by email at anthony.greep@dot.gov.

Sincerely,

KELLEY Digitally signed by KELLEY BROOKINS

BROOKINS Date: 2023.08.31
17:33:15-05'00'

Kelley Brookins Regional Administrator FTA Region V Sincerely,

JERMAINE Digitally signed by JERMAINE R HANNON Date: 2023.09.01 11:46:31 -04'00'

Jermaine R. Hannon Division Administrator FHWA Indiana Division

TOF TRANSPORTER

INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue Room N758-Executive Office Indianapolis, Indiana 46204 PHONE: (855) 463-6848

Eric Holcomb, Governor Michael Smith, Commissioner

August 28, 2023

Mr. Jermaine R. Hannon, Division Administrator FHWA Indiana Division 575 North Pennsylvania St., Room 254 Indianapolis, IN 46204

Ms. Kelley Brookins, Regional Administrator FTA Region 5 200 West Adams St. Suite 320 Chicago, IL 60606-5253

Dear Mr. Hannon /Ms. Brookins:

The Indiana Department of Transportation is pleased to submit its FY 2024-2028 Statewide Transportation Improvement Program (STIP) for review and approval by your offices.

Included in the final submitted document is a listing of the state's expansion/preservation and local small urban and rural and rural transit projects. The following Metropolitan Planning Organization TIPs will be included in the FY 2024-2028 STIP by reference.

Area Plan Commission of Tippecanoe County (APCTC)	FY 2024-2028
 https://www.tippecanoe.in.gov/DocumentCenter/View/40728/FY-2024- 	
2028-TIP-including-0-amendments	
Bloomington-Monroe County Metropolitan Planning Organization (BMCMPO)	FY 2024-2028
 https://bloomington.in.gov/sites/default/files/2023- 	
08/BMCMPO%20FY%202024%20-%202028%20TIP%20-%2006-30-	
23%20-%20ADOPTED%20FINAL.pdf	
Columbus Area Metropolitan Planning Organization (CAMPO)	FY 2024-2028
 https://www.columbus.in.gov/planning/tip/ 	
Delaware-Muncie Metropolitan Plan Commission (DMMPC)	FY 2022-2025
 Including Amendments/modifications through 2/14/23 	
 https://www.co.delaware.in.us/egov/documents/1692987897_47263.pdf 	
Evansville Metropolitan Planning Organization (EMPO)	FY 2024-2028
 http://www.evansvillempo.com/Docs/TIP/TIP_2024-2028/TIP_2024- 	
2028.pdf	
Kokomo-Howard County Governmental Coordinating Council (KHCGCC)	FY 2022-2026
Including Amendments/modification through 7/28/23	
• https://www.kokomompo.com/project/tip-2020-2024/	

www.in.gov/dot/ **An Equal Opportunity Employer**



	H-
Kentuckiana Regional Planning and Development Agency (KIPDA)	FY 2023-2026
• https://www.kipda.org/wp-content/uploads/2023/05/FY2023-TIP-FINAL-5-	
<u>25.pdf</u>	
Indianapolis Metropolitan Planning Organization (IMPO)	FY 2024-2027
 https://www.indympo.org/whats-underway/irtip 	
Michiana Area Council of Governments (MACOG)	FY 2024-2028
• http://www.macog.com/docs/transportation/tip/approved/fy2028tip_projects	
<u>.pdf</u>	
Madison County Council of Governments (MCCOG)	FY 2022-2026
 Including Amendments/modifications through 7/28/23 	
 https://irp.cdn-website.com/65a760a0/files/uploaded/TIP%202022- 	
2026%20-%20updated%205-1-23.pdf	
Northeastern Indiana Regional Coordinating Council (NIRCC)	FY 2024-2028
 https://www.nircc.com/uploads/1/2/9/8/129837621/final_2024-2028_tip_5- 	
<u>25-23.pdf</u>	
Northwestern Indiana Regional Planning Commission (NIRPC)	FY 2022-2026
 Including Amendments/modifications through 7/25/23 	
• https://nirpc.org/2040-plan/mobility/transportation-improvement-program/	
Ohio-Kentucky-Indiana Regional Council of Governments (OKI)	FY 2024-2027
• https://www.oki.org/transportation-planning/transportation-improvement-	
program-tip/	
Terre Haute Area Metropolitan Planning Organization (THAMPO)	FY 2024-2028
 https://www.terrehautempo.com/images/THAMPO_2024_2028_AdoptionT 	
<u>IP.pdf</u>	

In addition, INDOT has expanded our public involvement process by taking advantage of virtual meeting techniques and allowing accessibility to online documents, materials, virtual meeting registration, recorded virtual meetings, and comment forms. INDOT also leveraged our planning partner contacts (MPOs, RPOs, LTAP), social media, and notifications sent to local libraries, housing authorities, senior aging centers, and local newspapers across the state.

We greatly appreciate FHWA/FTA support in the development of the STIP 2024-2028 and look forward to working together to achieve our mutual goals. Should you have any questions pertaining to this amendment, please contact April Leckie, STIP Administration at 317-232-5466 or at aleckie@indot.in.gov.

Sincerely,

Michael Smith, Commissioner

Indiana Department of Transportation

cc: (w/enclosure): Angelica Salgado, FTA

Cecilia Crenshaw, FTA Erica Tait, FHWA Lyndsay Quist, INDOT Kristin Brier, INDOT Kathy Eaton-McKalip, INDOT

Louis Feagans, INDOT

April Leckie, INDOT Roy Nunnally, INDOT Larry Buckel, INDOT Jay Mitchell, INDOT Jason Casteel, INDOT Michael McNeil, INDOT



RESOLUTION 17 --

AMENDMENT TO THE SFY 2022-2026 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

2024

WHEREAS, each urban area participating in the programs of the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) must assure that relevant transportation plans are maintained through a process that is comprehensive, cooperative and coordinated, and

WHEREAS, the Madison County Council of Governments (MCCOG) is the agency designated by the Governor as the Anderson Metropolitan Planning Organization (MPO) required to maintain those plans for the Anderson Metropolitan Planning Area (MPA), and

WHEREAS, the basis for transportation planning and improvement programming in the Anderson Metropolitan Planning Area (MPA) is the 2050 Metropolitan Transportation Plan (adopted in 2022) and the Transportation Improvement Program (TIP) Document, prepared every four (4) years, and

WHEREAS, the requirements of 40 CFR Parts 51 and 93 have been met and the Transportation Improvement Program (TIP) Document maintains Air Quality and Transportation Conformity, and

WHEREAS, the planning process maintained by the staff of the Madison County Council of Governments (MCCOG) has assured that those plans and subsequent improvement projects are consistent with the comprehensively-planned development of the Anderson Metropolitan Planning Area in compliance with all federal policies and priorities, and

WHEREAS, the Indiana Department of Transportation (INDOT) or the Local Public Agency (LPA) have requested an amendment to the SFY 2022-2026 Transportation Improvement Program (TIP) or in some cases, the SFY 2020-2023, 2018-2021 or 2016-2019 Transportation Improvement Programs (TIP) as follows:

SR 38 @ Bridge over Mud Creek, .31 miles West of SR Bridge Rehabilitation or Repair 13 (Lapel)

SR 38 @ Bridge over Mud Creek, .31 miles West of SR Bridge Rehabilitation or Repair 13 (Lapel)

SR 38 @ Bridge over Mud Creek, .31 miles West of SR Bridge Rehabilitation or Repair 13 (Lapel)

(Per Des. # Request Form submitted 7-23-24 by Sarah Doyle to add a new INDOT funded project to the TIP.)

"Exempt" for Air Quality & Transportation Conformity Requirements (AQC Exempt 9-9-24)

#2	2003081	NEW PROJECT:	IND	от	SR 13 @ SR 128	(Frankton)				Inte	rsection Impro	vement, Ro	oun	dabout
			2025	RW	HSIP	Federal:	\$	157,500	Local:	\$	17,500	Total	\$	175,000
			2026	CN	HSIP	Federal:	\$	2,931,739	Local:	\$	325,749	Total	\$	3,257,488
			(Per Des.	# Reque	st Form submitted	7-12-24 & re	subm	nitted 8-27-24	by Sarah	Doyl	e to add a new	INDOT fun	ded	project to

"Exempt" for Air Quality & Transportation Conformity Requirements (AQC Exempt 9-9-24)

the TIP.)

2003082	NEW PROJECT:	IND	от	SR 13 @ Strawto (Perkinsville)	own Avenue,	/w.	Eight Street Ro	bad	Inte	rsection Impro	vement, R	oun	dabout
		2025	PE	HSIP	Federal:	\$	81,735	Local:	\$	9,082	Total	\$	90,817
		2025	RW	HSIP	Federal:	\$	157,500	Local:	\$	17,500	Total	\$	175,000
		2026	CN	HSIP	Federal:	\$	3,863,689	Local:	\$	429,299	Total	\$	4,292,988
				HSIP est Form submitted	-			-		4404-1-104	1000		

#4	2200995	NEW PROJECT:	IND	от	Crossings (SR 1: Lapel Elementa	Various Locations in Greenfield District, Pedestrian Crossings (SR 128 @ Frankton High School, SR 13 @ Lapel Elementary/Middle School, & US 36/SR 38 @ Pendleton Heights High School)		3 @	Bike/Pedestrian Facilities					
			2025	PE	HSIP	Federal:	\$	697,864	Local:	\$	174,466	Total	\$	872,330

(Per Des. # Request Form submitted 8-26-24 by Sarah Doyle to add a new INDOT funded project to the TIP.)

"Exempt" for Air Quality & Transportation Conformity Requirements (AQC Exempt 9-9-24)

NDMENT and/or MODIFICATION REQUEST
Res. 9-18-24 Amendment
Modification
Grouped Project

Date: 10/25/24
Requestor: David Benefiel

Requestor: David Benefiel

Signed Off? (Month/Year Asset Program -DES 2028 Total Project Cost Contract # Work Type Location (State Projects Federa Match 2022 2024 2025 2027 Air Quality information (if applicable) Category empt for Air Quality & Transportation Confe Bridge Rehabilitation SR 38 @ Bridge over Mud Creek, .31 miles West of 9/18/2024 INDOT 2300771 R-45157 STBG \$134,820 \$14,980 \$ 149,800 3,108,258 Add New Project 10/14/27 MCCOG SR 13 (Lapel) Exempt for Air Quality & Transportation Confo Requirements (AQC Exempt 9-9-24) Intersection 9/18/2024 INDOT 2003081 R-44024 SR 13 @ SR 128 (Frankton) RW \$157,50 \$17,50 \$ 175,000 3,432,488 Add New Project 10/08/25 MCCOG ntersection mprovement, Roundabout lequirements (AQC Exempt 9-9-24) 9/18/2024 INDOT R-44024 SR 13 @ SR 128 (Frankton) reenfiel CN 2.931.73 325.7 3.257.48 3,432,488 Add New Project 10/08/25 MCCOG SR 13 @ Strawtown Avenue/W. Eight Street Road PE R-44024 81.735 \$ 90.817 5.611.554 Add New Project MCCOG 9/18/2024 INDOT 2003082 Improvement. Greenfield 10/08/25 (Perkinsville) oundahout Exempt for Air Quality & Transportation Conformity Requirements (AQC Exempt 9-9-24) SR 13 @ Strawtown Avenue/W. Eight Street Road INDOT R-44024 RW 157,500 17,500 \$ 175,000 5,611,554 Add New Project 10/08/25 MCCOG Exempt for Air Quality & Transportation Conformity
Requirements (AQC Exempt 9-9-24) SR 13 @ Strawtown Avenue/W. Eight Street Road INDOT R-44024 CN \$ 3,863,689 \$ 429,299 \$ 4,292,988 5,611,554 Add New Project 9/18/2024 2003082 Improvement, Exempt for Air Quality & Transportation Conformity Requirements (AQC Exempt 9-9-24) arious Locations in Greenfield District Pedestrian Bike/Pedestrian Facilities Crossings (SR 128 @ Frankton High School, SR 13 @ Lapel Elementary/Middle School, & US 36/SR 38 INDOT R-44608 PE 697,864 174,46 \$ 872,330 1,836,865 Add New Project 10/07/26 MCCOG Pendleton Heights High School) Exempt for Air Quality & Transportation Conformity Various Locations in Greenfield District, Sign Installation or Repair (I-69 SB Ramp @ MLK Boulevard/Pendelton Avenue, SR 236/Mill Road @ equirements (AQC Exempt 9-9-24) Signing Installation \$ 1,283,154 \$ \$ 1,603,942 6,344,942 Add New Project 9/18/2024 INDOT 2200003 T-44781 STBG PE 320,788 01/13/27 MCCOG Bridge over I-69, CR 700 S/CR 100 S/Mounds Road @ Bridge over I-69, I-69 @ NB Ramp to SR 13) Exempt for Air Quality & Transportation Conformity Requirements (AQC Exempt 9-9-24) Bridge Rehabilitation Or Repair SR 38 @ Bridge over Fosters Branch, 1.03 miles INDOT Greenfield STBG PE 135,360 \$ 3,108,258 Add New Project 10/14/27 MCCOG 9/18/2024 2300772 R-45157 15,040 \$ 150,400 West of I-69 (Lapel) Exempt for Air Quality & Transportation Requirements (AQC Exempt 9-9-24) Bridge Rehabilitat Or Repair SR 9/SR 67 @ Bridge over I-69 NB/SB, 2.65 miles 9/18/2024 INDOT 2300816 R-45157 Greenfield STBG PE 146,160 \$ 16,240 \$ 162,400 3,108,258 Add New Project 10/14/27 MCCOG North of US 36 (Anderson) Exempt for Air Quality & Transportation Conformity Bridge Rehabilitat Or Repair SR 9 @ Bridge over Prairie Creek, 1.12 miles South 9/18/2024 INDOT 2300929 R-45157 STBG PE 136,980 15,22 \$ 152,200 3,108,258 Add New Project 10/14/27 MCCOG Requirements (AQC Exempt 9-9-24) Bridge Rehabilita Or Repair I-69 @ NB Bridge over SR 9/SR 109, 3.35 miles Exempt for Air Quality & Transportation Co Requirements (AQC Exempt 9-9-24) INDOT 2300865 R-45157 STBG PE 177,570 \$ 19,730 \$ 197,300 10/14/27 South of SR 236 (Anderson) kempt for Air Quality & Transportation Con equirements (AQC Exempt 9-9-24) CR 400 @ Bridge over I-69, 2.19 miles North of SR Bridge Rehabilita Or Repair STBG PE \$ 165,300 INDOT R-45157 148,770 16,530 3,108,258 Add New Project 10/14/27 MCCOG 9/18/2024 2300861 Greenfield 38 (Anderson) Exempt for Air Quality & Transportation Conformity Requirements (AQC Exempt 9-9-24) Bridge Rehabilitation Or Repair CR 100 W/Brown Street @ Bridge over I-69, 1.67 STBG PE 9/18/2024 INDOT 2300862 R-45157 Greenfield \$ 137.070 15.230 \$ 152.300 3.108.258 Add New Project 10/14/27 MCCOG /ladison miles North of SR 67 (Anderson)

11/21/2024

APPENDIX I

Additional Information

Engineering Assessment Report

SR 13 @ Strawtown Ave. / W. 8th Street, Single Lane Roundabout DES No. 2003082

Safety Project Proposed Fiscal Year: 2026 Score: 92

Greenfield District
Tipton Sub-District
Madison County, Indiana
9/16/2020

Attachments were removed in the interest of document consolidation.

Prepared by:

Mark Muenz

Greenfield District Traffic Planning Engineer

Approved by:
Luis Laracuente, P.E.
District Traffic Engineer

Indiana Department of Transportation

Traffic Engineering
Greenfield District
32 South Broadway Greenfield IN 46140



Table of Contents

Exe	cutive Summa	ıry	4
Proj	ect Location		4
Purp	ose and Need	L	5
Proj	ect History		5
Exis	ting Condition	ns	5
	Notes from F	ield Check	5
	Structure Info	ormation	6
	Roadway Geo	ometrics and Pavement Information	6
	Traffic Data a	and Capacity Analysis	6
	Crash Informa	ation	8
	Design Consi	iderations	8
	Community/E	External Stakeholder Context	8
	Adjacent IND	OOT Projects	9
	Other Miscell	laneous Information	9
Ana	lysis and Alter	rnatives	9
	Description o	of Alternatives	9
	Cost Estimate	es	11
	Preliminary M	Maintenance of Traffic Plan (MOT)	11
	Pavement and	d Roadway Design	12
	Right-of-Way	y and Survey	12
	Utilities and I	Railroads	12
	Hydraulic Re	commendations	12
	Environmenta	al and Historic Considerations	12
	Design Criter	ia	13
Rec	ommended Al	ternative	13
Cha	nges to Propos	sal	13
Con	currence and A	Approval	14
Atta	chments		
	1.	Location Map & Field Check Photos	
	2.	Traffic Forecast and Volumes	
	3.	Capacity Analysis	
	4.	Crash Information and Diagrams	
	5.	RoadHAT Crash Report	
	6.	Project Scoring Sheets	
	7.	CMF Information	
	8.	Alternative Sketches	

- 9. Cost Estimate
- 10. RoW Information
- 11. Environmental Information
- 12. Project Support Letters

Executive Summary

The purpose of this report is to document the engineering assessment phase of project development, including all coordination that has been completed in preparation for this project. This document outlines the proposal and is intended to serve as a guide for subsequent survey, design, environmental, right of way and other project activities leading to construction. The preferred alternative identified in this document is considered predecisional, pending the outcome of environmental studies. An alternative other than the preferred alternative may not be selected without consultation with the preparer of this report.

This project is located at the intersection of SR 13 with Strawtown Ave. to the west, and with W. 8th St. to the east. It is located between the Reference Posts of 15 + 25 and 15 + 50 along SR 13, which itself is located on the boundary of Madison and Hamilton Counties. The intersection is experiencing a very high amount of severe crashes for its current volume and has been experiencing such conditions for some time. All low-cost options have been attempted and have failed to bring the high crash frequency and severity down.

The intersection geometry is contributing to the crash history as the local road approaches are offset from each other. In addition, sight distance is affected along SR 13 as the SB approach of SR 13 resides on a crest.

The preferred alternative is to convert the two-way stop-controlled intersection into a single lane roundabout while addressing the geometric deficiencies to reduce the frequency and severity of crashes at this intersection. This alternative is expected to operate exceptionally (LOS A) through the design year of 2046, as well as solve the extremely high frequency of right-angle crashes occurring at this intersection. The proposed safety improvement project scores 92 out of 100. The scoring details are included in attachment 6. The estimated cost of the preferred alternative at this location is \$2,356,000

Project Location

Table 1: Project Location Information

	Location Description								
Route	SR 13	Latitude	40.138897						
City	Perkinsville	Longitude	-85.86285						
County	Madison	Nearest Cross Street	W 280 N						
District	Greenfield	Distance From	0.3 mi						
Sub District	Tipton	RP From	15 + 25						
MPO	Madison (MCCOG)	RP To	15 + 50						
NHS Route?	No	Length	0.5						
Functional Class	Minor Arterial	Work Type	Intersection						
			Improvement,						
			Roundabout						

Rural or Urban	Rural	Work Category	Intersection				
			Improvement Project				
Other Location Info:	Agricultural surroundings on all sides of the intersection						

See attachments for a map showing the project location and for other pictures of the site.

Purpose and Need

The identified need at this location involves the very high frequency of severe crashes comparative to the volumes of traffic at this intersection. Specifically, the high frequency and severity of right-angle crashes.

The purpose of this project is to reduce or eliminate the high frequency and severity of crashes at this intersection, while maintaining good intersection mobility.

Project History

This intersection was first investigated in 2017 and was noted to have an increasing amount of right-angle crashes, but not enough to devote a project to it outside of continued monitoring. Another investigation in 2019 yielded that the concern for growing right-angle crashes was proving correct, and a potential project for an intersection realignment was proposed. However, due to the difficulty of proving that a realignment would solve the root cause of these crashes, the proposal was put on hold.

Existing Conditions

Notes from Field Check

Sightlines are very poor at this intersection. Due to a vertical curve on the southern side of the intersection, along with a rise in elevation in the SE corner, viewpoints from the minor approaches towards the southern approach are severely limited. Combined with the high speeds of SR 13, and many vehicles will not have the time to react to approach vehicles. Additionally, the offset of the two minor approaches increases the traversal time for a through movement, making it roughly double that of an ordinary intersection of similar size. This increases the exposure window for these movements, increasing risk as well, even from the relatively open sightlines to the north. Lastly, the surrounding fields grow corn, which, when closing in on full growth, also severely limits sight distance around the corners of the intersection. Pictures can be found in attachment 1 of this report.

Structure Information

There are no anticipated impacts to nearby roadway structures because of this project. The nearest structure is a bridge which lies just over 1,000 ft. to the north of this intersection

Roadway Geometrics and Pavement Information

Table 2: Roadway Geometrics and Pavement Information

Lane Width	12 ft.
Curbed	No
Shoulder Width	1.0 ft.
Number of lanes in each direction	1
Intersection Traffic Control	Two Way Stop
Speed Limit	55 mph
Pavement Type	Asphalt
Median Type	None

Traffic Data and Capacity Analysis

Table 3: Volume Information and Traffic Forecast

Representative AADT	2859
AADT Year	2019
% Trucks	19.18 %
DHV (%)	11.17 %
% Yearly Traffic Growth	1.78 %
2020 AADT	2910
2025 AADT	3178
2030 AADT	3471
2035 AADT	3792
2040 AADT	4141

The complete traffic forecast as provided by the Traffic Statistics Section in Central Office has been included in the attachment 2.

Table 4&5: Capacity Analysis

	AM PEAK												
Road P	Param	EB		WB			NB			SB			
	eter	L	T	R	L	T	R	L	T	R	L	T	R
TWSC: 2020	LOS	-	В	-	-	В	-	-	A	-	-	A	-
1 WSC: 2020	Delay	-	11.3	-	-	11.6	-	-	0.3	-	-	1.0	-
TWSC: 2046	LOS	-	В	-	•	В	•	•	A	•	•	A	-
1 WSC: 2040	Delay	-	12.6	•	1	12.9	-	ı	0.3	-	ı	1.0	-
ASWC: 2046	LOS	-	A	-	ı	A	-	ı	A	-	•	В	-
ASWC: 2040	Delay	-	8.9	-	-	8.7	-	-	9.4	-	-	10.3	-
Signal: 2046	LOS	В	В	-	В	В	-	A	A	-	A	A	-
Signal. 2040	Delay	12.5	13.9	-	13.4	12.6	-	3.5	3.3	-	3.5	3.5	-
Roundabout: 2046	LOS	-	A	-	•	A	-	ı	A	-	ı	A	-
	Delay	-	4.1	-	-	3.5	-	-	4.1	-	-	4.4	-

	PM PEAK													
Road Para			EB			WB			NB			SB		
	meter	L	T	R	L	T	R	L	T	R	L	T	R	
TWSC: 2020	LOS	-	В	-	ı	В	-	ı	A	-	-	A	-	
1 WSC: 2020	Delay	-	11.5	•	•	13.0	-	ı	0.1	-	-	1.3	-	
TWSC: 2046	LOS	-	В	-	•	В	-	-	A	-	-	A	-	
1 WSC: 2040	Delay	-	13.0	-	-	15.8	-		0.1	-	-	1.4	-	
ASWC: 2046	LOS	-	A	-	-	В	-	-	В	-	-	В	-	
A5WC: 2040	Delay	-	9.5	-	-	10.4	-	-	11.5	-	-	11.9	-	
Signal: 2046	LOS	В	В	-	В	В	-	A	A	-	A	A	-	
Signal: 2040	Delay	12.5	13.9	-	13.4	12.6	-	3.5	3.3	-	3.5	3.5	-	
Roundabout:	LOS	-	A	•	ı	A	-	ı	A	-	-	A	-	
2046	Delay	-	3.8	•	ı	4.0	-	-	4.1	-	-	4.3	-	

1.78% Growth Rate from forecast used.

For more information on the capacity analysis, see attachment 3.

Crash Information

Table 6: Crash History

ICC	2.68	Number of Crashes	22
ICF	4.17	Number of Fatal and Incapacitating Crashes	7
First Year of Crash Data	2017	Number of Non-Incapacitation Crashes	1
Last Year of Crash Data	2019	Number of Property Damage Only Crashes	14

The RoadHAT output, a detailed crash statistics summary and a crash diagram have been included in attachments 4 to this report.

Crash data from 2017 to 2019 was analyzed for this intersection. During this timeframe, there were a total of 22 crashes, of which 15 were right angle crashes, 3 rear end crashes, 2 ran off road crashes, and 1 other crash. Of these 22 crashes, 8 resulted in injury, with 7 being incapacitating, and 1 non-incapacitating. The remaining 14 crashes were property damage in nature. The intersection was analyzed via the RoadHAT 3 tool, determining the statistics of Index of Crash Costs, or ICC, and Index of Crash Frequency, or ICF. The ICC for this intersection is 2.68, indicating that this intersection is prone to crashes of significant severity and cost. The ICF of this intersection is 4.17, indicating that the frequency of crashes at this intersection is extremely above what could be expected for an intersection of similar vehicular volume.

Design Considerations

Significant vertical curves exist to the south and east of the intersection. With sufficiently long enough splitter islands, delineations, and distanced signage, they should not be problematic, but Stopping Sight Distance should be considered. This will require some leveling to be done during construction, and perhaps some extra investigation into site drainage.

Table 7: Other Design Considerations

Land Survey Location	SW 1/4 of Section 33, T. 20 N., R. 6 E
Civil Township	Jackson
Federal Aid System	Qualifies as "Rural On"
National Truck Network	Intersection not on NTN
Urban Area Boundary	None
Adjacent Land Use	Agricultural

Community/External Stakeholder Context

Both the Madison County and Hamilton County Highway Engineers have expressed support for the single lane roundabout alternative at this intersection. Emails supporting the roundabout are shown in attachment 12.

The design and environmental process of the roundabout development must include community outreach and education. Input from the community should be obtained in public forums to ensure their input is taken into consideration.

Adjacent INDOT Projects

There are several projects in the planning stage nearby to this location. The most significant of which is a plan for a bridge deck replacement of the bridge located 1000 ft. north of this intersection. While it is only in the planning stages at the moment, it is a significant enough of a project to be noted here. This potential project is planned for 2026.

Other Miscellaneous Information

This project resides exactly on the border between Madison and Hamilton Counties. As such, both should be consulted in terms of details for this project, though Madison County is assumed here.

Analysis and Alternatives

Description of Alternatives

Alternative 1 – Single Lane Roundabout. This would both maintain good mobility and level of service through the design year of 2046, as well as essentially eliminating this intersections most common and severe crash type, right angle crashes. Due to the intersections existing offset geometry, an offset roundabout will be necessary to be fully effective, which will be more intrusive on the surrounding lands. Due to high speeds, the splitter islands of the roundabout will likely need to be at least 300 ft. in length to accommodate for appropriate approach speed and angles. With the installation of this alternative, KABC crashes are expected to decrease by 61 %, with a total reduction in crashes of 48 %. A preliminary sketch is included in attachment 8

The cost estimate of this alternative is \$2,356,000

Alternative 2 – Realignment with Additional Left Turn Lanes. This alternative would shift the western approach north to realign the intersection, reducing overall traversal time for through movements. This realignment is also assumed to be conducted with a pavement overhaul of the existing roadway near to the intersection to ensure consistency. Additionally, 100 ft. left turn lanes would be added to the mainline to allow turning traffic to be bypassed by through movement traffic. This maintains good mobility through the design year of 2046. The intersection would remain 2-way stop controlled for the minor approach. This would fix some rear end issues and reduce total traversal time at this intersection, but the high-speed factors along SR-13 would still prove dangerous to users turning onto or from the minor approach.

The cost estimate of this alternative is \$1,604,000

Alternative 3 – Realignment with a Traffic Signal. This alternative would use the same proposed realignment of the western approach to normalize the intersection for a traffic signal. This alternative would maintain good mobility through the design year of 2046. This realignment is seen as necessary due to sight distance issues and risk exposure at the intersection. This intersection's volumes do not meet signal warrants, and with the high speeds along SR 13, rear end crashes are likely to increase, as well as risk of crashes due to disobedience of the traffic signal.

The cost estimate of this alternative is \$1,840,000

Alternative 4 – Realignment with All-Way Stop Control. This alternative uses the previous realignment, with the additions of stop signs on SR 13, making this intersection an all-way stop. This alternative is lower cost by comparison to the others but has several flaws. Rear end crashes are likely to increase due to the high speeds along SR 13, and, additionally, right-angle crashes associated with this intersection are likely to remain extremely severe.

The cost estimate for this alternative is \$1,349,000

Alternative 5 – **No Build**. The No build option was considered for this project. However, crashes at this intersection appear to only be worsening. The long-term safety consequences of this option are extremely detrimental to the safety of the public.

Cost Estimates

Table 8: Cost Estimate Summary

Alternative	Funding Category	Estimated Cost
	CN	\$1,823,000
	PE	\$493,000
Alternative 1	Utility	\$0
Roundabout	RoW	\$ 40,000
	Total Cost	\$ 2,356,000
	CN	\$1,304,000
Alternative 2	PE	\$261,000
Realignment + Left Turn	Utility	\$0
Lanes	RoW	\$ 40,000
Lanes	Total Cost	\$ 1,604,000
	CN	\$1,500,000
	PE	\$300,000
Alternative 3	Utility	\$20,000
Realignment + Traffic signal	RoW	\$40,000
	Total Cost	\$1,840,000
	CN	\$1,047,000
	PE	\$262,000
Alternative 4	Utility	\$0
Realignment + 4-Way Stop	RoW	\$40,000
	Total Cost	\$1,349,000
	CN	-
	PE	-
Alternative 5	Utility	-
No Build	RoW	-
	Total Cost	\$ 0

Complete and detailed cost estimates for all considered alternatives are included in attachment 9 of this report. Cost estimates were developed through averages from the Indiana 2019 Unit Price Summary list, and quantities were determined through digital measurement and evaluation.

Preliminary Maintenance of Traffic Plan (MOT)

This project is not considered a mobility significant project based on the classification of the facility, AADT, and additional factors. No nearby facilities are significantly impacted by a full closure of this intersection. If the potential bridge deck replacement north of this intersection is coordinated with this project, a full closure would likely be the best option for MOT.

The above information is preliminary and conceptual in nature. The designer of record for this project shall be responsible for the determination of MOT scheme and the full design of that scheme. The above information can be used to inform the decision making of the designer, but it does not absolve him of the responsibility of the design.

The provisions of the Indiana Manual on Uniform Traffic Control Devices, the Indiana Design Manual and the INDOT Standard Drawings concerning the design of an MOT zone shall be adhered to. A detailed design showing the MOT layout should be included in the final set of plans. The provisions of the Interstate Highway Congestion Policy shall be followed.

Pavement and Roadway Design

Standard single lane roundabout design features should be assumed and incorporated into this project. Objects of note should include the existing alignment issues of Strawtown Ave. and W. 8th St, of which a roundabout should correct. Additionally, the high approach speeds should be considered by including sufficient splitter islands and deflection to allow for more appropriate entry speeds into the roundabout.

Right-of-Way and Survey

Based on the proposed layout, the Right-of-Way Office estimates that there will be needed acquisitions for all corners of this intersection. Given the current agricultural land use of the surrounding area, it is estimated that this acquisition will cost \$40,000.

Utilities and Railroads

After a discussion with the Greenfield Utilities Department, impacts to utilities and railroads are expected to be minimal. The utilities are expected to be reimbursable but should be covered by contingency costs should something arise.

Hydraulic Recommendations

Some minor drainage ditch modifications will likely be necessary for this intersection. Additionally, drainage within the roundabout alternative should be accounted for and directed accordingly.

Environmental and Historic Considerations

This project will require documentation to ensure no unusual circumstances are present on environmental and historic grounds but should be covered by the PE % of the cost estimate.

This project will require an environmental document level CE2.

Design Criteria

The design of this project shall adhere to 3R Project, Non-Freeways standards per the Indiana Design Manual.

SEE IDM 40-06.01 FOR MORE INFORMATION.

Recommended Alternative

The preferred alternative is Alternative 1, a single lane roundabout. While this alternative may not be the most cost effective, it provides the most benefits to both the safety and mobility operations at this intersection. This is the only alternative that can be proven to address both the purpose and need of this intersection. This alternative will eliminate right angle and left turn crashes at this intersection, as well as fixing the intersections severe alignment issues. It also acts as a traffic calming measure, reducing the speed of vehicles along SR 13. It presents the best option for long term capacity and improves side traffic conditions. A roundabout maintains LOS A through the design year of 2046, scores a **92** for TSAM, and will cost **\$2,356,000**

Changes to Proposal

Contact the Greenfield District Traffic Engineer if deviation from this document is determined to be necessary during a later phase of project development, including but not limited to scope of work or letting changes. Any desired changes should include justification for the change and the estimated cost.

Concurrence and Approval

This document was prepared by: Mark Musing

NAME Mark Muenz

TITLE Traffic Planning Engineer

DATE 9/16/2020

This document was approved by: Luis A. Larumoto

NAME Luis Laracuente

TITLE District Traffic Engineer

DATE 09/16/2020

Land and Water Conservation Fund (LWCF) County Property List for Indiana (Last Updated March 2022)

ProjectNumber SubProjectCode	County	Property
1800017 1800017	Hamilton	Forest Park & Trail, White River Access Site
1800058 1800058	Hamilton	Forest Park & Trail, White River Access Site
1800128 1800128	Hamilton	Morse Park & Beach
1800198 1800198	Hamilton	Cicero Community Park
1800236 1800236	Hamilton	Forest Park & Trail, White River Access Site
1800493 1800493	Hamilton	Flowing Well Park
1800502 1800502	Hamilton	Cool Creek County Park
1800519 1800519	Hamilton	Taylor Property
1800551 1800551	Hamilton	MacGregor Park
1800581 1800581	Hamilton	MacGregor Park

^{*}Park names may have changed. If acquisition of publically owned land or impacts to publically owned land is anticipated, coordination with IDNR, Division of Outdoor Recreation, should occur.

Land and Water Conservation Fund (LWCF) County Property List for Indiana (Last Updated March 2022)

Proje	ectNumber	SubProjectCode	County	Property
	1800136	1800136	Madison	Funk Historic (8th St.) Park
	1800139	1800139	Madison	General Pulaski ParkE. 38th St. Park
	1800143	1800143	Madison	Streaty Park
	1800145	1800145	Madison	Southside Sports Complex
	1800169	1800169	Madison	Shadyside Recreation Complex (Aqua Gardens)
	1800169.6	1800169.6	Madison	Crawford Field
	1800171	1800171H	Madison	Mounds State Park
	1800204	1800204	Madison	Beulah Park
	1800238	1800238	Madison	Beulah Park
	1800254	1800254	Madison	Falls Park
	1800255	1800255	Madison	Alvin D. Brown Memorial Pool
	1800258	1800258	Madison	Athletic Park
	1800287	1800287	Madison	Shepherd Park
	1800292	1800292	Madison	Elwood Municipal Swimming Pool
	1800299	1800299	Madison	Alvin D. Brown Memorial Pool
	1800305	1800305G	Madison	Mounds State Park
	1800312	18003121	Madison	Mounds State Park
	1800370	1800370	Madison	Maple Meadows Park/Frankton Community Park
	1800382	1800382	Madison	Mounds State Park
	1800413	18004130	Madison	Mounds State Park
	1800442	1800442	Madison	Walbridge Acres Park
	1800466	1800466	Madison	Grand Avenue Wetlands & Killbuck Walkway
	1800477	1800477a	Madison	Anderson Riverwalk
	1800534	1800534	Madison	General Pulaski Park
	1800587	1800587	Madison	Bodenhorn Park

^{*}Park names may have changed. If acquisition of publically owned land or impacts to publically owned land is anticipated, coordination with IDNR, Division of Outdoor Recreation, should occur.

Table: ACSDT5Y2021.B03002

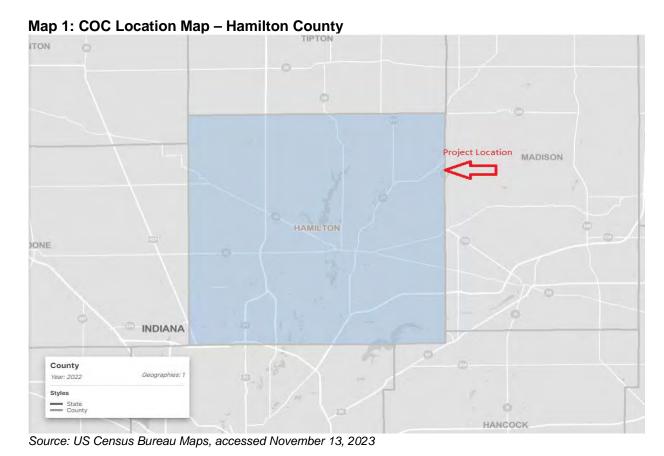
	United States	Hamilton County, Indiana	Census Tract 1101.02, Hamilton County, Indiana
Label	Estimate	Estimate	Estimate
Total:	329,725,481	341,616	4,200
Not Hispanic or Latino:	268,918,512	326,985	4,015
White alone	196,010,370	280,770	3,866
Black or African American alone	40,196,302	13,244	0
American Indian and Alaska			
Native alone	1,936,842	290	0
Asian alone	18,554,697	21,235	0
Native Hawaiian and Other			
Pacific Islander alone	555,712	145	22
Some other race alone	1,208,267	1,342	0
Two or more races:	10,456,322	9,959	127
Two races including Some			
other race	1,446,567	1,296	0
Two races excluding Some other race, and three or more			
races	9,009,755	8,663	127
Hispanic or Latino:	60,806,969	14,631	185
White alone	28,778,739	8,832	185
Black or African American alone	1,196,710	133	0
American Indian and Alaska			
Native alone	785,819	0	0
Asian alone	228,227	116	0
Native Hawaiian and Other			
Pacific Islander alone	59,845	0	0
Some other race alone	17,174,529	1,923	0
Two or more races:	12,583,100	3,627	0
Two races including Some			
other race	10,609,037	2,950	0
Two races excluding Some other race, and three or more			
races	1,974,063	677	0

United States		Hamilton County, Indiana	Census Tract 1101.02, Hamilton County, Indiana	
Label	Estimate	Estimate	Estimate	
otal:	321,897,703	339,636	4,200	
Income in the past 12 months				
below poverty level:	40,661,636	13,437	26	
Male:	18,132,275	5,717	26	
Under 5 years	1,804,943	497	0	
5 years	353,798	205	0	
6 to 11 years	2,181,236	949	0	
12 to 14 years	1,026,148	285	0	
15 years	340,274	133	0	
16 and 17 years	637,739	211	0	
18 to 24 years	2,391,976	619	26	
25 to 34 years	2,091,261	466	0	
35 to 44 years	1,771,681	647	0	
45 to 54 years	1,677,723	733	0	
55 to 64 years	2,013,935	514	0	
65 to 74 years	1,145,870	292	0	
75 years and over	695,691	166	0	
Female:	22,529,361	7,720	0	
Under 5 years	1,730,648	386	0	
5 years	338,260	55	0	
6 to 11 years	2,091,832	639	0	
12 to 14 years	984,832	405	0	
15 years	330,341	102	0	
16 and 17 years	623,373	274	0	
18 to 24 years	2,938,139	947	0	
25 to 34 years	3,288,904	1,246	0	
35 to 44 years	2,618,050	1,054	0	
45 to 54 years	2,093,750	714	0	
55 to 64 years	2,394,677	909	0	
65 to 74 years	1,606,946	374	0	
75 years and over	1,489,609	615	0	
Income in the past 12 months at				
or above poverty level:	281,236,067	326,199	4,174	
Male:	140,410,519	161,105	2,345	
Under 5 years	7,949,219	10,242	67	
5 years	1,629,773	2,702	142	
6 to 11 years	10,365,093	14,991	102	
12 to 14 years	5,510,127	7,805	84	
15 years	1,837,564	2,951	11	
16 and 17 years	3,700,754	5,160	171	
18 to 24 years	11,432,099	12,761	226	
25 to 34 years	20,162,923	18,843	148	
35 to 44 years	19,005,426	24,275	274	
45 to 54 years	18,704,195	23,780	430	
55 to 64 years	18,632,874	19,131	352	
65 to 74 years	13,557,621	12,190	241	
75 years and over	7,922,851	6,274	97	
Female:	140,825,548	165,094	1,829	
Under 5 years	7,579,318	10,131	16	
5 years	1,554,236	2,228	0	
6 to 11 years	9,880,929	14,248	119	
12 to 14 years	5,242,034	8,196	76	
15 years	1,763,653	2,873	52	
16 and 17 years	3,539,941	4,907	70	
18 to 24 years	10,383,838	12,028	141	
25 to 34 years	19,004,663	19,414	185	
35 to 44 years	18,424,189	25,306	241	
45 to 54 years	18,735,695	23,941	353	
55 to 64 years	19,429,976	19,694	396	
65 to 74 years	14,950,065	13,665	58	
75 years and over	10,337,011	8,463	122	

Table: ACSDT5Y2021.B03002

	United States	Madison County, Indiana	Census Tract 110, Madison County, Indiana
Label	Estimate	Estimate	Estimate
Total:	329,725,481	130,037	1,854
Not Hispanic or Latino:	268,918,512	124,263	1,854
White alone	196,010,370	109,091	1,769
Black or African American alone	40,196,302	10,185	46
American Indian and Alaska			
Native alone	1,936,842	122	0
Asian alone	18,554,697	748	4
Native Hawaiian and Other			
Pacific Islander alone	555,712	1	0
Some other race alone	1,208,267	456	19
Two or more races:	10,456,322	3,660	16
Two races including Some	1 446 567	520	
other race	1,446,567	528	0
Two races excluding Some other race, and three or more			
races	9,009,755	3,132	16
Hispanic or Latino:	60,806,969	5,774	0
White alone	28,778,739	3,177	0
Black or African American alone	1,196,710	144	0
American Indian and Alaska			
Native alone	785,819	202	0
Asian alone	228,227	4	0
Native Hawaiian and Other			
Pacific Islander alone	59,845	0	0
Some other race alone	17,174,529	1,389	0
Two or more races:	12,583,100	858	0
Two races including Some			
other race	10,609,037	745	0
Two races excluding Some other race, and three or more			
races	1,974,063	113	0

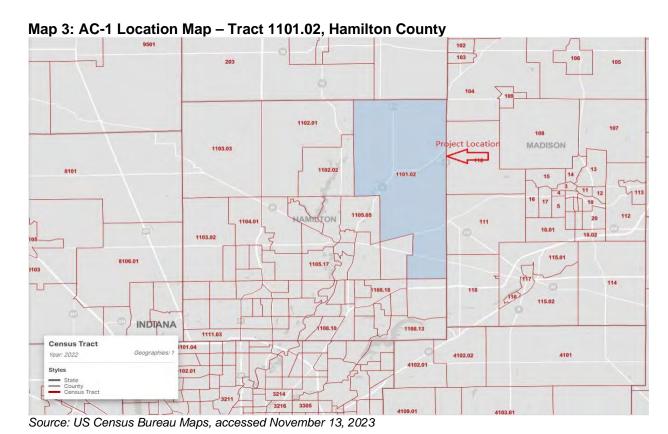
United States		Madison County, Indiana	Census Tract 110, Madison County, Indiana	
Label	Estimate	Estimate	Estimate	
otal:	321,897,703	123,456	1,854	
Income in the past 12 months				
below poverty level:	40,661,636	18,639	56	
Male:	18,132,275	8,282	18	
Under 5 years	1,804,943	865	0	
5 years	353,798	236	0	
6 to 11 years	2,181,236	688	0	
12 to 14 years	1,026,148	492	3	
15 years	340,274	389	0	
16 and 17 years	637,739	337	0	
18 to 24 years	2,391,976	806	3	
25 to 34 years	2,091,261	706	0	
35 to 44 years	1,771,681	1,143	0	
45 to 54 years	1,677,723	891	7	
55 to 64 years	2,013,935	1,054	5	
65 to 74 years	1,145,870	389	0	
75 years and over	695,691	286	0	
Female:	22,529,361	10,357	38	
Under 5 years	1,730,648	811	0	
5 years	338,260	229	0	
6 to 11 years	2,091,832	814	0	
12 to 14 years	984,832	636	0	
15 years	330,341	163	3	
16 and 17 years	623,373	342	0	
18 to 24 years	2,938,139	1,297	2	
25 to 34 years	3,288,904	1,484	0	
35 to 44 years	2,618,050	1,166	0	
45 to 54 years	2,093,750	1,123	7	
55 to 64 years	2,394,677	1,228	12	
65 to 74 years	1,606,946	665	0	
75 years and over	1,489,609	399	14	
Income in the past 12 months at				
or above poverty level:	281,236,067	104,817	1,798	
Male:	140,410,519	52,350	985	
Under 5 years	7,949,219	2,674	8	
5 years	1,629,773	781	0	
6 to 11 years	10,365,093	3,965	97	
12 to 14 years	5,510,127	1,816	20	
15 years	1,837,564	567	11	
16 and 17 years	3,700,754	1,218	33	
18 to 24 years	11,432,099	4,223	69	
25 to 34 years	20,162,923	6,607	68	
35 to 44 years	19,005,426	6,388	122	
45 to 54 years	18,704,195	7,178	171	
55 to 64 years	18,632,874	7,365	133	
65 to 74 years	13,557,621	5,933	195	
75 years and over	7,922,851	3,635	58	
Female:	140,825,548	52,467	813	
Under 5 years	7,579,318	2,497	25	
5 years	1,554,236	672	8	
6 to 11 years	9,880,929	3,222	79	
12 to 14 years	5,242,034	1,629	18	
15 years	1,763,653	416	17	
16 and 17 years	3,539,941	1,499	0	
18 to 24 years	10,383,838	3,608	72	
25 to 34 years	19,004,663	6,317	54	
35 to 44 years	18,424,189	6,371	101	
45 to 54 years	18,735,695	7,164	92	
55 to 64 years	19,429,976	7,549	127	
65 to 74 years	14,950,065	6,703	166	
			The second secon	

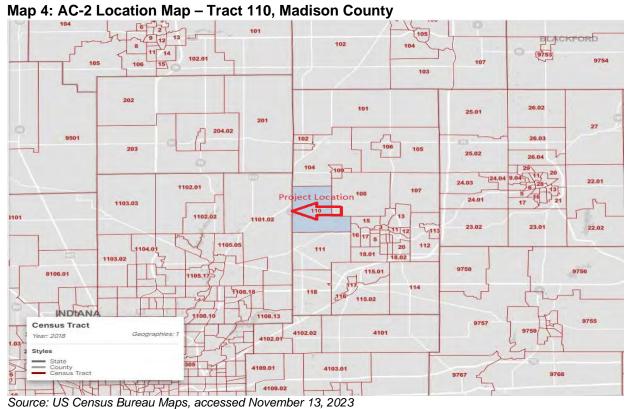


Map 2: COC Location Map - Madison County



Source: US Census Bureau Maps, accessed November 13, 2023





		coc	AC-1	
Census Table	Census Table Line Item	Hamilton County	Census Tract 1101.02, Hamilton County	Notes
Low-Income				
B17001	Pop, for whom Poverty Status Determined: Total	339,636	4,200	
B17001	Pop, for whom Poverty Status Determined: Income past 12 mos below poverty level	13,437	26	
	% Low-Income	4	1	
	125 % COC	5	1	
	Potential Low-Income EJ Impact?		No	Is the AC greater than 50%?
	Potential Low-income Est Impacts		No	Is the AC 25% higher than the COC?
Minority				
B03002	Total Population: Total	341,616	4,200	
B03002	Total Population - Not Hispanic or Latino: White Alone	280,770	3,866	
	Number Non-White/Minority	60,846	334	
	% Non-White/Minority	18	8	
	125 % COC	22	10	
	Potential Minarity Ellmaget		No	Is the AC greater than 50%?
	Potential Minority EJ Impact?		No	Is the AC 25% higher than the COC?

		coc	AC-1	
Census Table	Census Table Line Item	Madison County	Census Tract 110, Madison County	Notes
Low-Income				
B17001	Pop, for whom Poverty Status Determined: Total	123,456	1,854	
B17001	Pop, for whom Poverty Status Determined: Income past 12 mos below poverty level	18,639	56	
	% Low-Income	15	3	
	125 % COC	19	4	
	Potential Low-Income EJ Impact?		No	Is the AC greater than 50%?
	Potential Low-income Es impact:		No	Is the AC 25% higher than the COC?
Minority				
B03002	Total Population: Total	130,037	1,854	
B03002	Total Population - Not Hispanic or Latino: White Alone	109,091	1,769	
	Number Non-White/Minority	20,946	85	
	% Non-White/Minority	16	5	
	125 % COC	20	6	
	Potential Minority EJ Impact?		No	Is the AC greater than 50%?
	Fotential Millority Es Impact:		No	Is the AC 25% higher than the COC?