

**Addendum No. 1
To
Specifications
For Project No. ENG2002871394**

**Description: Public Access Site; Boat Ramp and Parking Lot
Location: Brooksburg, Indiana**

FOR AGENCY: Department of Natural Resources

The specifications have been updated on the website since the initial posting. Please use HWC specifications dated February 24, 2020. The remediation allowance is \$5,000 for this project.

The information contained in this Addendum shall become a part of the basic plans and specifications the same as if original incorporated therein. The original plans and specifications shall remain in their entirety, except as modified by this Addendum. The items herein shall supersede information in the specifications and on the plans.

ITEM No. 1: Updated Plan Set/Spec. Update

Plan Set:

Sheet 4: Skid Ramp Length adjusted to 40'

Sheet 8: Concrete depth of ADA parking spaces and shelter house pad changed to 6" Concrete. Updated Aisle width to 5' for ADA area.

Sheet 9: Minimum pool elevation corrected.

Sheet 10: Updated dimensions and N/E callouts for revision to Aisle width.

Sheet 12: Alternate Asphalt Bid Limits have been updated to include the ADA parking area.

Spec Book:

Revisions to SP 04 – Area where Excavation is Prohibited (see attached). A geotextile fabric shall be placed under the gravel.

ITEM No. 2: Pre-bid Meeting Agenda, Minutes, and attendee Sheet attached.

ITEM No. 3: Questions/Comments

Q: Is a cofferdam or dewatering information included in the permits?

A: We have added verbiage to the permits to include this work in the permits so that the contractor can use a coffer dam, if needed, to construct the project.

Q: Will a schedule of values be provided?

A: This project will be bid as lump sum and thus no schedule of values will be included with this project.

Q: How does one obtain the CAD files?

A: Email the engineer at: dwarren@hwcengineering.com so that he can provide a CAD transfer agreement. After the agreement is signed, the contractor will be provided with CAD files.

Q: What are the Mooring Eyes locations/quantity?

A: Two at 15' on Center 3 feet above the OHWM (434.3') and two at 15' on center 3 feet above low pool (418.7')

Q: How many Solar power Lights and where will it be located?

A: There will be one, and the location will be coordinated with the project manager on site.

Q: Do both Cast-in-place and precast areas of the ramp require grooves?

A: Yes.

Q: What is the length of the concrete skid ramp?

A: Contractor can adjust skid ramp length based on water elevations at time of construction/placement. Plans indicate 40 FT

Q: What are acceptable manufacturers for the shelter house?

A: Cedar Forest Products, Poligon, or approved equal.

Q: Where does the Silt Fence transition to Filter Sock on the west side of the project?

A: The transition will be determined based on current site conditions. The contractor will make adjustments as needed.

Q: Gravel Area in the northern most lot?

A: A geotextile fabric shall be placed under the 6' of gravel with NO Cutting allowed.

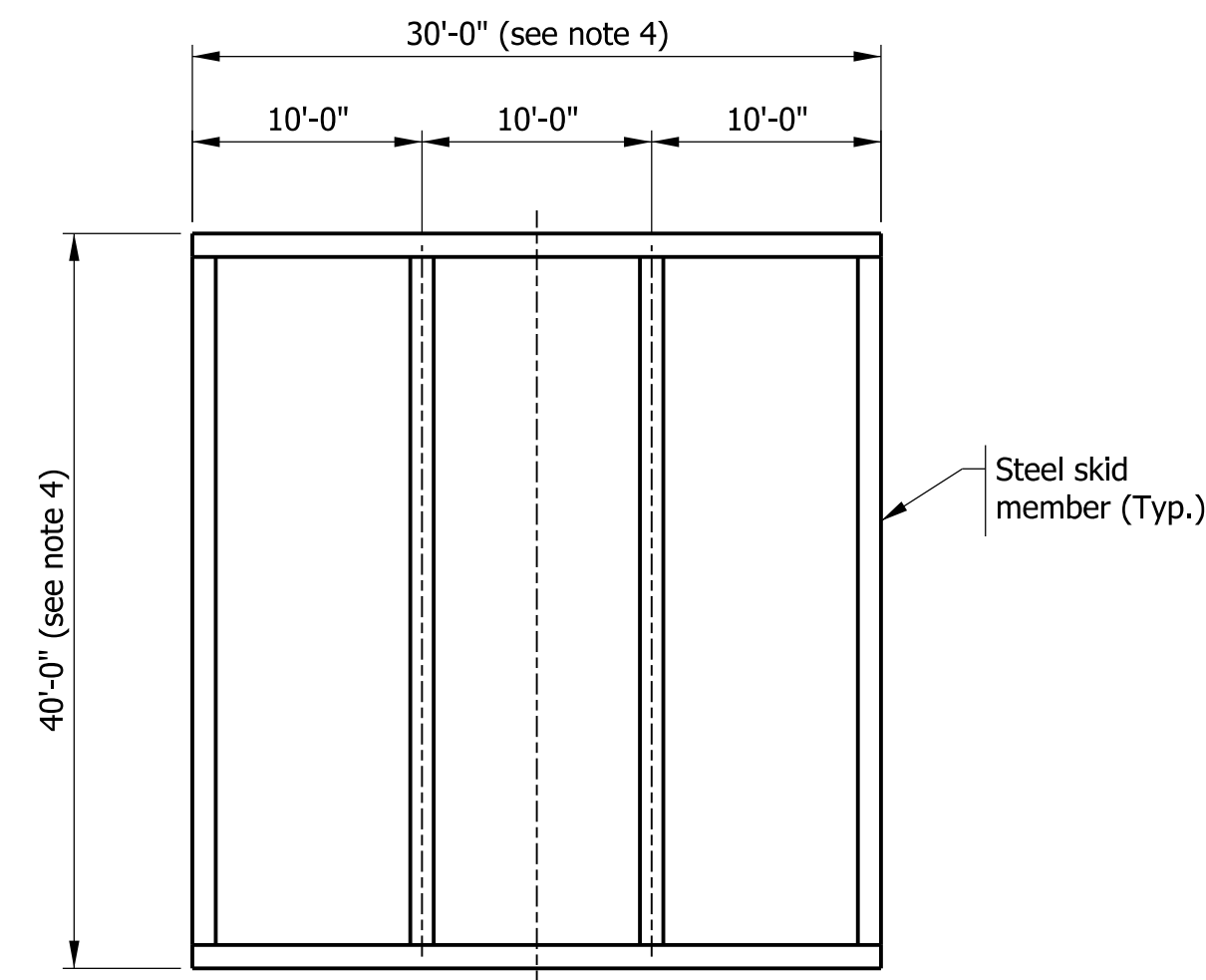
Q: Are there utility relocations on this project?

A: There are utility relocations on this project. Southeastern Indiana REMC will require relocation and reimbursement in the estimated amount of \$5,542.29. Contractor will include this amount in their bid for this work. Frontier Communication will require relocation, but no reimbursement.

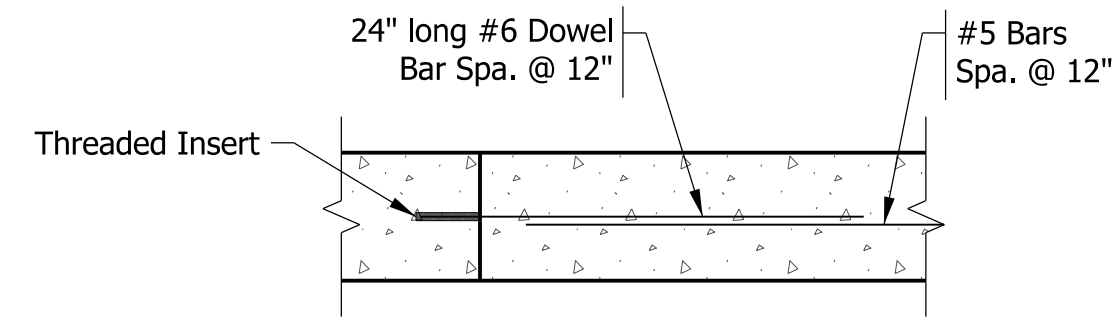
END OF ADDENDUM

State Form 21208R4

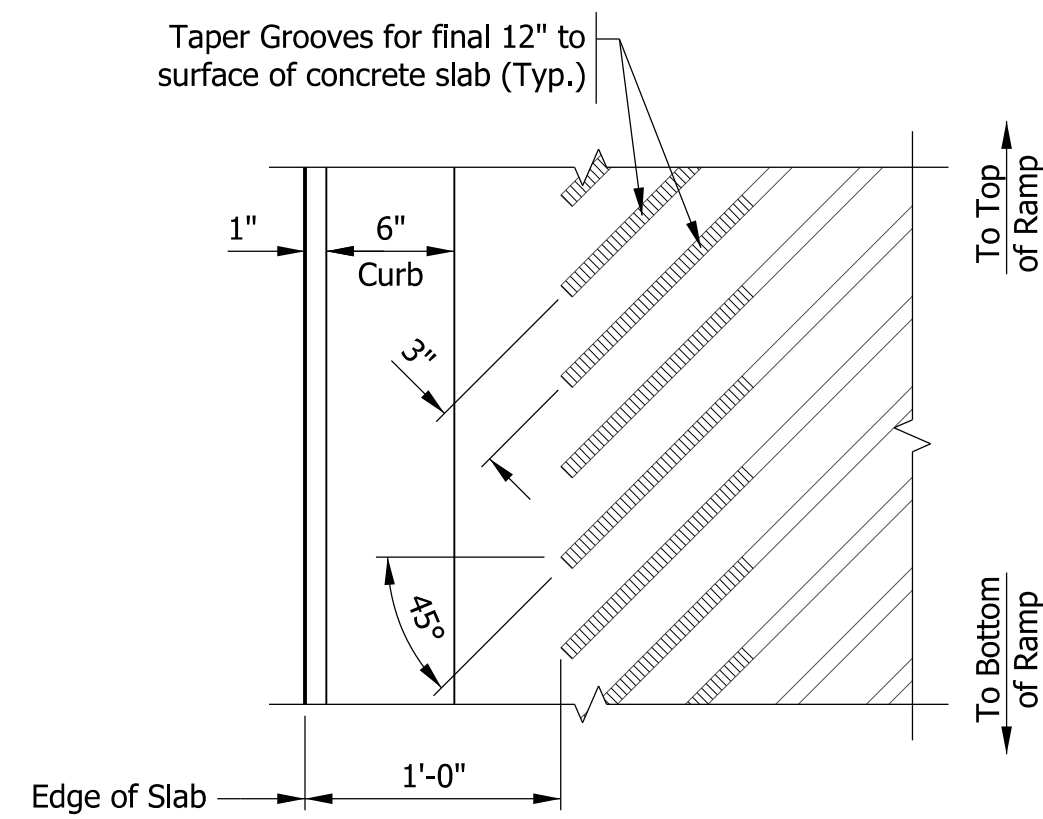
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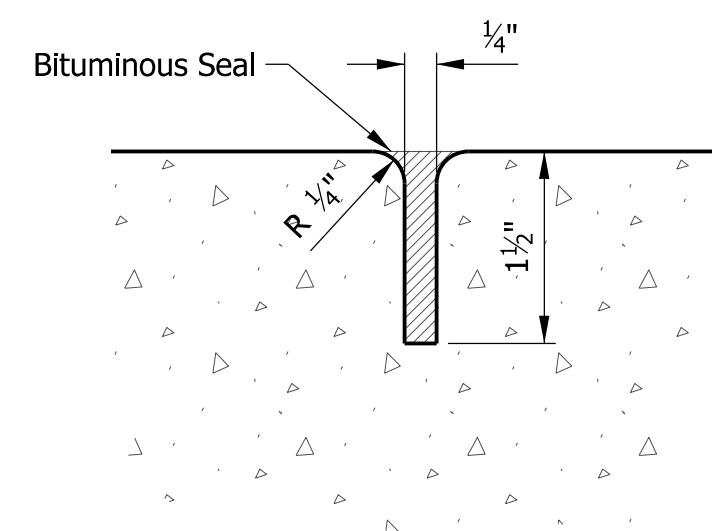
CONCRETE SKID RAMP PLAN
Not to Scale



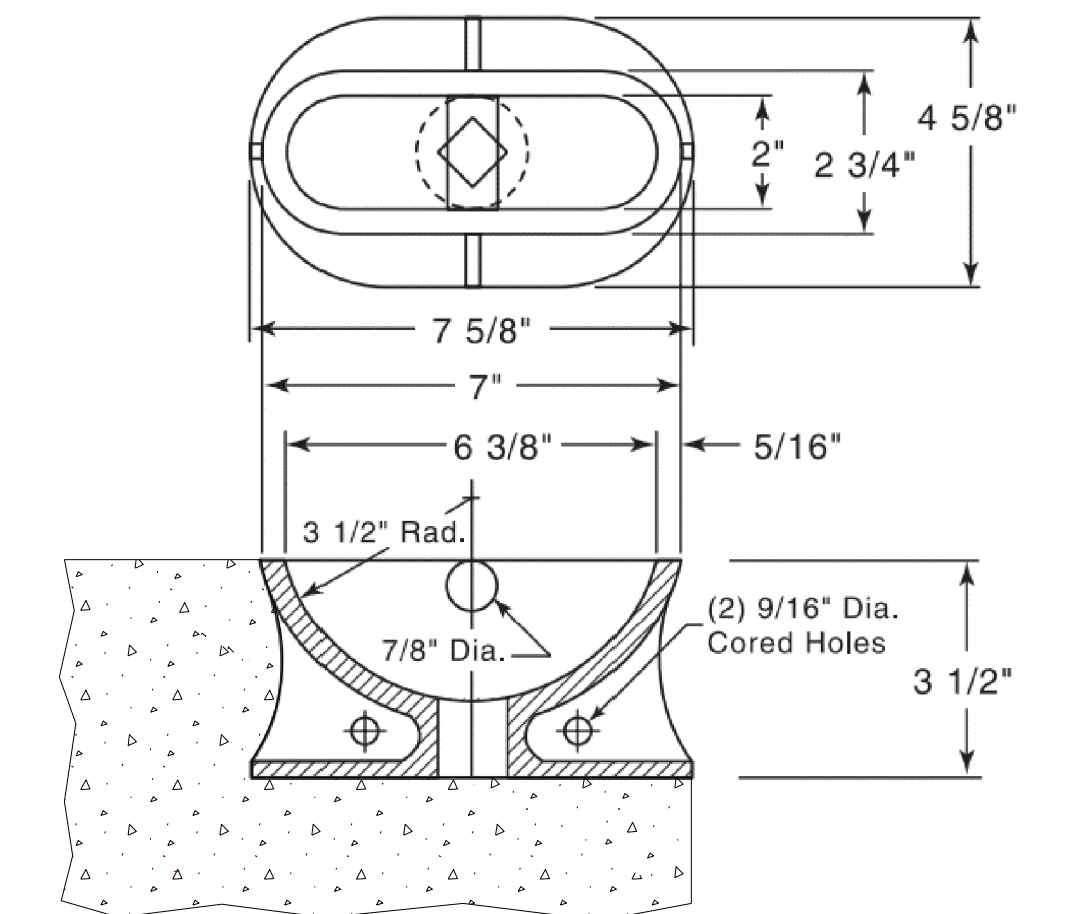
DOWEL BAR TRANSITION
Not to Scale



PLAN OF RAMP GROOVES
Not to Scale

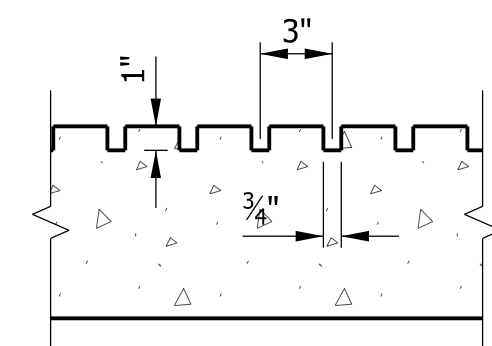


BITUMINOUS SEAL CONTRACTION JOINT
Not to Scale

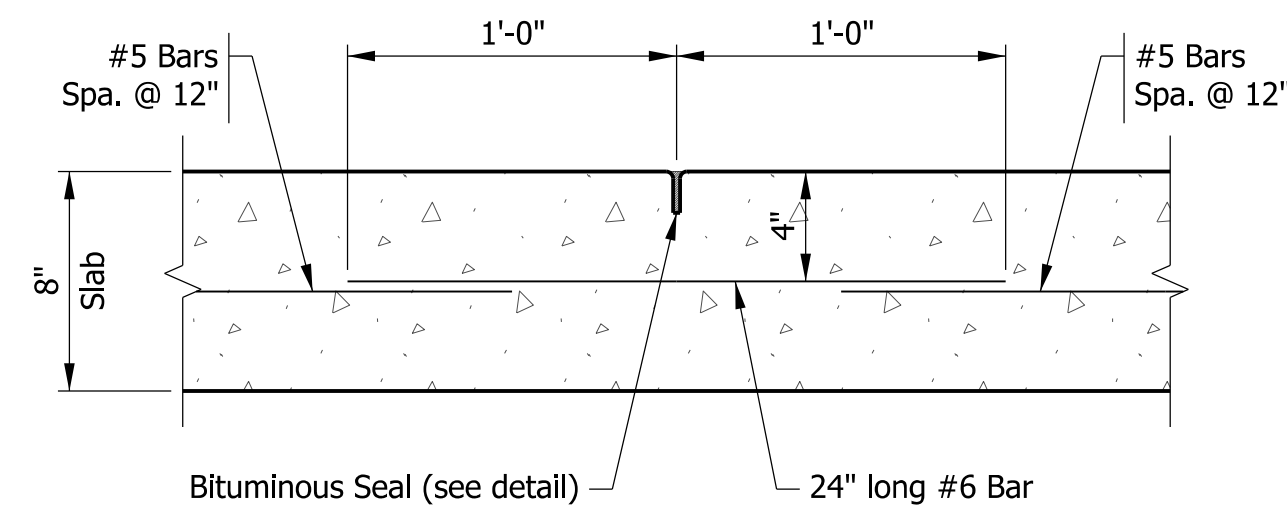


MOORING EYE

Neenah R-3490 3 1/2" mooring eye or equivalent. Mooring eye is placed on subgrade and filled with sand to exclude concrete during the pouring and finishing operation. Opening at bottom of eye is socket for wood or metal stake to bring eye to grade. Sand is washed out of eye when paving is complete. Alternative method is to push the eye in position in the wet concrete. Both methods are acceptable.



RAMP GROOVE DETAILS
Not to Scale

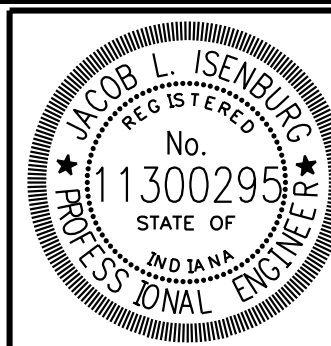


LONGITUDINAL CONSTRUCTION JOINT
Not to Scale

NOTES

- Contractor may decrease the length of precast concrete section and increase length of cast-in-place concrete if river elevation allows.
- Reinforcement in precast section to be designed by the Contractor and submitted for approval. Minimum reinforcement shall be #5 bars spaced at 12".
- For underwater placement, place B-borrow to bottom of Subgrade.
- Skid and skid connection designs and details shall be submitted by Contractor for approval.
- As an alternative to a precast push slab, the Contractor may elect to install a cofferdam, dewater the area, and install the lower portion with cast-in-place methods. Both methods are acceptable.

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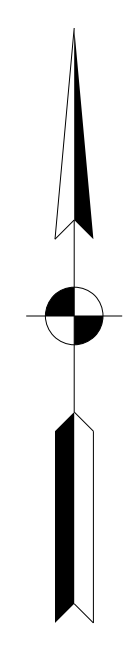
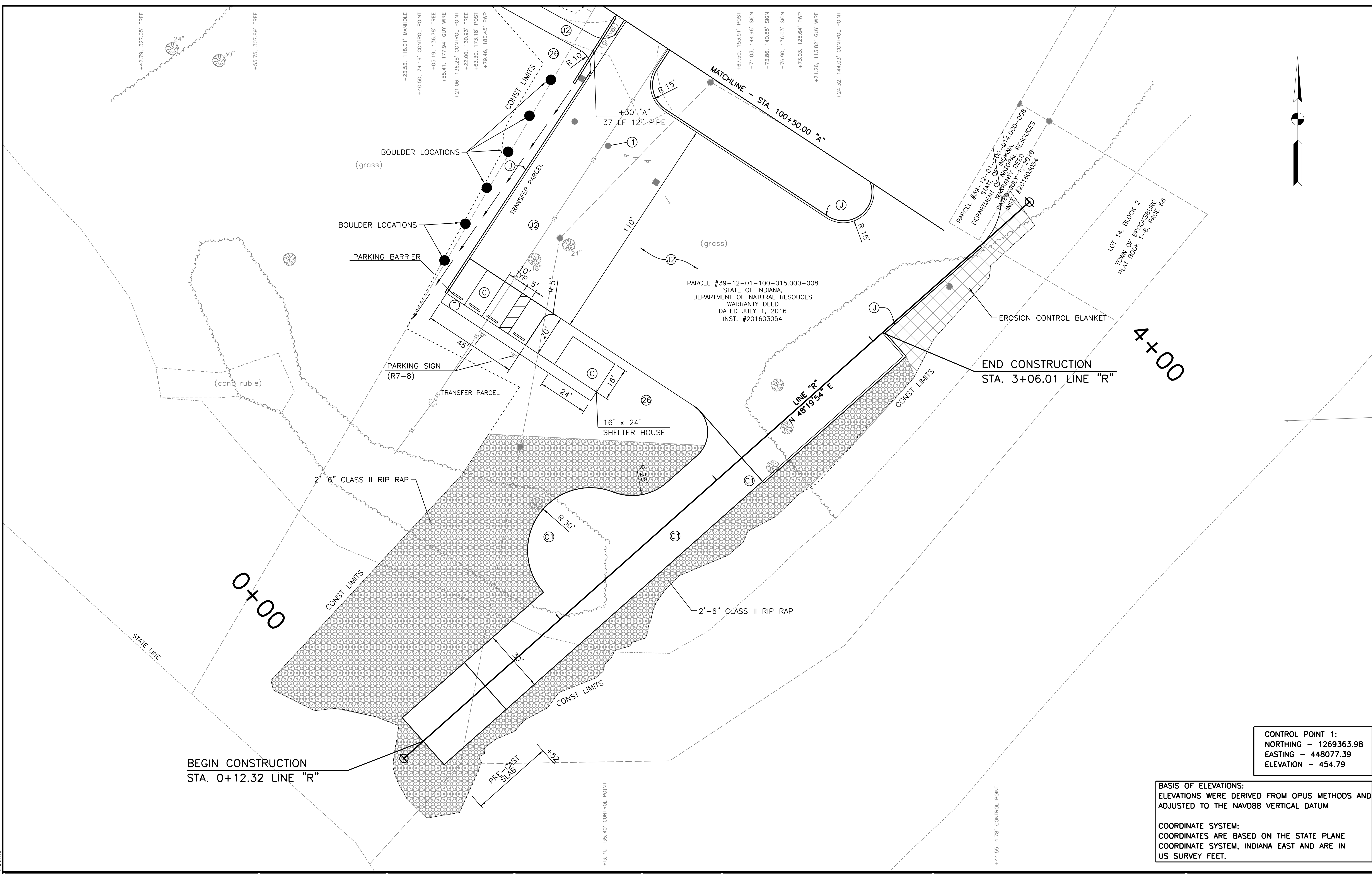


RECOMMENDED FOR APPROVAL	<i>J. Iseburg</i>	DESIGN ENGINEER	2-24-20	DATE
DESIGNED:	DW	DRAWN:	KM	
CHECKED:	PL	CHECKED:	DW	

INDIANA DEPARTMENT OF NATURAL RESOURCES	
BOAT RAMP DETAILS	

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	
VERTICAL SCALE	DESIGNATION
N/A	?
SURVEY BOOK	SHEETS
N/A	4 of 15
CONTRACT	PROJECT
	ENG2002871394

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 NGD:TLB



BEGIN CONSTRUCTION
 STA. 0+12.32 LINE "R"

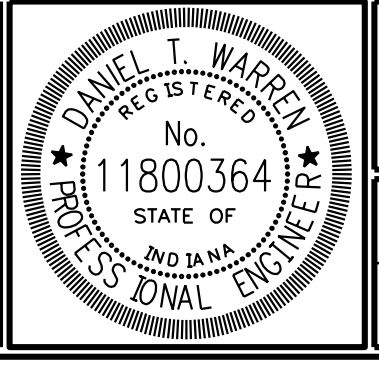
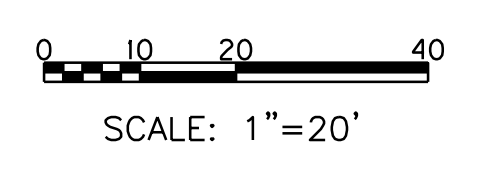
END CONSTRUCTION
 STA. 3+06.01 LINE "R"

CONTROL POINT 1:
 NORTHING - 1269363.98
 EASTING - 448077.39
 ELEVATION - 454.79

BASIS OF ELEVATIONS:
 ELEVATIONS WERE DERIVED FROM OPUS METHODS AND ADJUSTED TO THE NAVD88 VERTICAL DATUM

COORDINATE SYSTEM:
 COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM, INDIANA EAST AND ARE IN US SURVEY FEET.

(C)	PCCP 6"	(J)	6" AGGREGATE SHOULDER
(C1)	PCCP 8"	(R)	CURB RAMP, CONCRETE
(F)	SIDEWALK, CONCRETE, 4 IN.		
(J2)	AGGREGATE 6"		
(29)	SEEDING		



RECOMMENDED FOR APPROVAL	<i>D.T. Warren</i>	DESIGN ENGINEER	2-24-20	DATE
DESIGNED:	DW	DRAWN:	KM	
CHECKED:	PL	CHECKED:	DW	

INDIANA DEPARTMENT
 OF NATURAL RESOURCES

PLAN SHEET
 STA. 0+00.00 TO STA. 4+00.00 "R"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	?
SURVEY BOOK	SHEETS
	8 of 15
CONTRACT	PROJECT
	ENG2002871394

P.V.I. 2+06.01
ELEV. 445.69
20' V.C.

END CONSTRUCTION
STA. 2+16.01 LINE "R"
ELEV. 445.84

EXISTING GROUND

16.000%

PROPOSED GRADE BOAT RAMP

MINIMUM POOL ELEVATION
418.70' (NAVD88)

BEGIN CONSTRUCTION
STA. 0+12.32 LINE "R"
ELEV. = 414.70

440

440

430

430

420

420

0+00

1+00

2+00

3+00

4+00

407.7
412.75

420.9
420.75

430.8
428.75

440.1
436.75

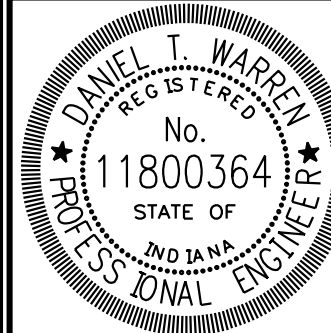
445.5

447.3

448.5

448.3

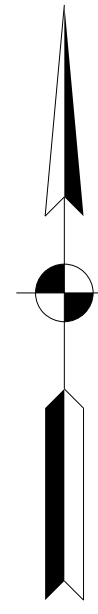
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RECOMMENDED FOR APPROVAL *D.T.W.* 2-24-20
DESIGN ENGINEER DATE
DESIGNED: DW DRAWN: KM
CHECKED: PL CHECKED: DW

INDIANA DEPARTMENT OF NATURAL RESOURCES
PROFILE SHEET
STA. 0+00.00 TO STA. 4+00.00 "R"

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE 1" = 2'	DESIGNATION ?
SURVEY BOOK	SHEETS 9 of 15
CONTRACT	PROJECT ENG2002871394



BOOKBURG RIVERSIDE DR

- (A) N 1269425.37
E 448075.30
R = 10'
- (B) N 1269419.87
E 448083.65
- (C) N 1269416.62
E 448070.46
- (D) N 1269409.68
E 448064.05
- (E) N 1269395.43
E 448067.56
- (F) N 1269278.40
E 448050.35
R=5'
- (G) N 1269281.15
E 448046.18

N 1269400.93
E 448059.21
R = 10'

N 1269393.02
E 448112.67
R=30'

N 1269401.27
E 448100.14

N 1269394.69
E 448129.25

N 1269392.46
E 448256.14

N 1269380.49
E 448104.42
CONTROL POINT

N 1269341.84
E 448189.80
R=29.4'

N 1269354.61
E 448197.06

N 1269338.58
E 448235.23
R=30'

N 1269343.82
E 448264.77

N 1269310.08
E 448011.35

N 1269329.32
E 448182.11

N 1269293.44
E 448000.24

N 1269282.58
E 448053.10

N 1269316.17
E 448255.17

N 1269289.77
E 447997.49

N 1269272.83
E 448060.62

N 1269274.61
E 448208.48

N 1269268.62
E 448037.93

N 1269259.63
E 448080.67

N 1269263.41
E 448218.45

N 1269259.47
E 448051.82

N 1269239.66
E 448118.26

N 1269242.10
E 448069.11

N 1269221.78
E 448088.95
R = 25'

N 1269227.14
E 448110.01
R=15'

N 1269198.49
E 448079.87

N 1269215.93
E 448118.26

N 1269203.57
E 448151.22

N 1269170.53
E 448068.97
R = 30'

N 1269196.93
E 448143.75

N 1269150.59
E 448046.56

N 1269095.96
E 447985.18

N 1269073.55
E 448005.12

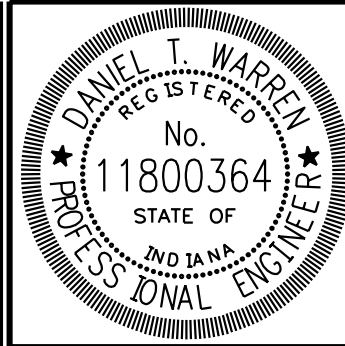
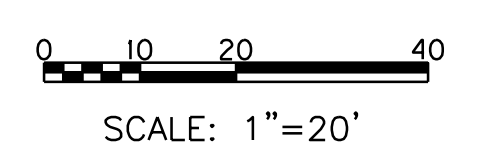
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- (V2) AGGREGATE 6"
- (26) SEEDING
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RECOMMENDED FOR APPROVAL *D.T.W.* 2-24-20 DATE
DESIGN ENGINEER

DESIGNED: DW DRAWN: KM
CHECKED: PL CHECKED: DW

INDIANA DEPARTMENT
OF NATURAL RESOURCES

LAYOUT PLAN
BOAT RAMP & PARKING LOT

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	?
SURVEY BOOK	SHEETS
	10 of 15
CONTRACT	PROJECT
	ENG2002871394

hardware kit.

Product dimensions (main floodlight body) approx. 11" x 12" x 4" (LxWxD).

Post / Pole

The pole will be made of galvanized steel.

The pole will include base plates and all hardware required for installation into a concrete base.

The CONTRACTOR will follow the manufacturers installation guidelines when installing the pole for the floodlight to attach to.

Battery Box

The LED Floodlight will include a battery box which is lockable (padlock not included).

Solar Panel

Aluminum framed 140 watt solar panel fitted with cable/cord.

Will include mounting frames to attach to the pole.

The hardware kit will allow the solar panel to be adjusted to a variety of different angles to suit the geographic location of the site.

140 watt solar panel dimensions approx. 44" x 39" x 2" (LxWxD). Size may vary depending upon solar panel wattage.

SP 03– PROPERTY BOUNDARY

The contractor is to place boulders between the parking area and the adjacent property to act as a visual boundary and to deter vehicles from pulling off into the grassy area. The CONTRACTOR will coordinate with the OWNER and ENGINEER on their size and placement on site. An approximate location can be found on sheet 8 of the plan set.

SP 04 – AREA WHERE EXCAVATION IS PROHIBITED

Please reference APPENDIX C Figure C-1 for areas where the contractor can not do any excavation activities. HWC will supply the CONTRACTOR with information regarding the location of the area. The CONTRACTOR is responsible for staking this area and ensuring that none take place within the limits as shown. A geotextile fabric is required under the 6" of gravel with NO cutting allowed. This will not be paid for directly but will be included in the lump sum bid for the project.

SP 05– GEOTECHNICAL REPORT

Contrary to the Geotechnical report, the following geotechnical recommendations are NOT to be included in the Construction unless otherwise noted:

- Deep Foundations – The boat ramp will not be constructed on deep foundations.
- Pavement Drainage Considerations – These considerations will not be included in the Contractor's Base Bid. These considerations will be included in Alternate 1.



**Indiana Department of Natural Resources
Brooksborg, Indiana – Public Access Site
Boat Ramp and Parking Lot**

**ENG2002871394 -Pre-Bid Meeting Agenda
March 5, 2020 @ 10:00 AM**

1. Introductions and Sign-in Sheet

2. Project Description

Construction of a Boat Ramp, Parking Lot, and Shelter House along the Ohio River in Brooksborg, Indiana.

3. Bid Date and Time

- Bids are due by Tuesday March 17, 2020 at the Bid Desk, Department of Administration, Public Works Division, 402 W. Washington St., Room W467, Indianapolis, Indiana, 46204 until 1:31 P.M. EST, after which bids will be opened.
- Provide all the documents required with the bid.

4. Contract Times

- Contract Times
 - Final Completion – December 31, 2020

5. Clarifications/Addenda

- All requests for clarification should be made in writing to:
Attn: Daniel Warren
HWC Engineering
Email: dwarren@hwcengineering.com
- Any changes to the project documents will be made by written addendum.
 - Last day for questions will be Monday March 9, 2020 by 12:00 PM Noon
 - A final addendum, if required, will be issued by Tuesday March 10, 2020.

6. Questions/Comments

Following the project overview the floor was opened to questions and comments the following reflects the discussion at the meeting:

- Deborah Kuehn is the DNR Project Manager
- Todd Sterns is the DNR Code Inspector and will Manage moving forward.

- The road will be closed during construction and only open to local traffic. The contractor will make sure that local property owners have reasonable access during construction.
- All Trees over 5" dbh that were anticipated to be removed with this project have already been cut.
- All Contractors must be pre-qualified by IDOA in one of the 2 categories as listed on the Notice to Bidders.
- Work cannot begin until the permits are received. Permits (IDNR, IDEM, USACE) are under review and are anticipated soon. Rule 5 Erosion Control Plan will be submitted soon. Expected Regulatory requirements are included in the bid documents.
- Contractors should note the sensitive area in the plans where no excavation may occur.
- **Utilities are relocating with this project. Contractors will include \$5,542.29 in their bid for this work that will be provided by utilities and reimbursed by IDNR.**
- The work is anticipated to be done when the water is at or below low pool.
- The Notice to Proceed is expected in mid-April

Q: Is a cofferdam or dewatering information included in the permits?

A: We have added verbiage to the permits to include this work in the permits so that the contractor can use whatever means they wish to construct the boat ramp.

Q: Will a schedule of values be provided?

A: This project will be bid as lump sum and thus no schedule of values will be included with this project.

Q: How does one obtain the CAD files?

A: Email the engineer at: dwarren@hwcengineering.com so that he can provide a CAD transfer agreement. After the agreement is signed, the contractor will be provided with CAD files.

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A: Contractor can adjust skid ramp length based on water elevations at time of construction/placement. Plans indicate 40 FT

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A: A geotextile fabric shall be placed under the 6" of gravel with NO cutting allowed.

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A: There are utility relocations on this project. Southeastern Indiana REMC will require relocation and reimbursement in the estimated amount of \$5,542.29. Contractor will include this amount in their bid for this work. Frontier Communication will require relocation, but no reimbursement.

Co.

IDNR – Brooksborg Indiana, Public Access Site
ENG2002871394

Pre-Bid Meeting Sign-In Sheet – March 5, 2020 @ 11:00 a.m.

Name	Organization	Email	Phone #
Deborah Kuehn	IDNR	<u>dkuehn1@dnr.IN.gov</u>	317-233-4473
Daniel Warren	HWC Engineering	<u>dwarren@hwcengineering.com</u>	812-913-6419
Kevin Feder	FORGE CO.	<u>kfeder@forgeco.com</u>	817-374-8652
JIMMY Bailer	DNR	<u>jbailer@dnr.IN.gov</u>	
RICHARD VUCKSON	R.L. VUCKSON	<u>RLVX@AOL.COM</u>	812-525-4265
John Bruce	R.L. Vuckson	<u>calljohnbruce@gmail.com</u>	812-525-7185
BRENNAN HITE	MAC CONSTRUCTION	<u>brennanh@macconstruction.com</u>	812-941-7895
TODD STEARNES	DNR Engineering	<u>TSTEARNS@dnr.in.gov</u>	317-449-2714