

MONTGOMERY COUNTY

BRIDGE SCOUR MAINTENANCE PROJECT

Bridge 9 – CR 575 W over North Fork of Coal Creek

Bridge 14 – CR 700 E over Little Potato Creek

Bridge 25 – CR 700 E over Sugar Creek

Bridge 95 – CR 80 N over Black Creek

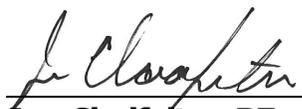
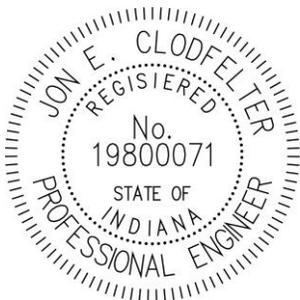
Bridge 127 – CR 400 S over Offfield Creek

Bridge 134 – CR 100 E over Offfield Creek

Bridge 136 – CR 200 E over Offfield Creek

Bridge 174 – CR 550 E over Haw Creek

Bridge 197 – CR 1200 S over Big Racoon Creek



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REGULAR PROPOSAL, CONTRACT and SPECIFICATIONS

SPECIFICATIONS AND CONTRACT DOCUMENTS
for the **BRIDGE SCOUR MAINTENANCE PROJECT**

in

MONTGOMERY COUNTY, INDIANA

July 2024

BOARD OF COUNTY COMMISSIONERS
MONTGOMERY COUNTY

John E. Frey, Board President

Jim Fulwider, Board Vice President

Dan Guard, Member

AUDITOR: Mindy Byers

PREPARED BY:



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Bridge Scour Maintenance Project
for
Montgomery County Bridge No. 9, 14, 25, 95, 127, 134, 136, 174, 197

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Bridge Identification and Location

Department (“Owner”): **Montgomery County Highway Department**

Project/Work: **Bridge Scour Protection Maintenance**

Bridge Number	Bridge Name	NBI Number	Location	Latitude	Longitude
54-00009	CR 575W over North Fork of Coal Creek	5400006	1 mile E of CR 900 N	40.18553 N	-87.01311 W
54-00014	CR 700E over Little Potato Creek	5400009	0.1 miles N of CR 85 N	40.16596 N	-86.77103 W
54-00025	CR 700E over Sugar Creek	5400018	0.8 miles S of CR 650 N	40.12422 N	-86.77205 W
54-00095	CR 80N over Black Creek	5400077	0.11 miles E of CR 300 W	40.05149 N	-86.95970 W
54-00127	CR 400S over Offield Creek	5400100	0.1 miles W of US 231	39.98146 N	-86.90365 W
54-00134	CR 100E over Offield Creek	5400104	0.3 miles N of CR 500 S	39.9717 N	-86.88449 W
54-00136	CR 200E over Offield Creek	5400105	0.5 miles S of CR 400 S	39.97501 N	-86.86568 W
54-00174	CR 550E over Haw Creek	5400130	0.1 miles S of CR 1100 S	39.87891 N	-86.79897 W
54-00197	CR 1200S over Big Raccoon Creek	5400199	0.1 miles E of CR 240 E	39.86555 N	-86.85960 W

See the attached County Bridge Map attached to this bid document for further location information.

NOTICE TO BIDDERS

Notice is hereby given that Montgomery County, by and through its Board of County Commissioners, will receive sealed bids for the construction of :

***Bridge Scour Maintenance Project,
Montgomery County Bridge No. 9, 14, 25, 95, 127, 134, 136, 174, 197***

Sealed proposals will be received at the Montgomery County Auditor's Office, 1580 Constitution Row, Suite A, Crawfordsville, IN, 47933, until 4:00 p.m. on September 6, 2024. Bids received after the 4:00 p.m. deadline will not be considered but will be returned to the bidder unopened. All proposals will then be publicly opened and read aloud at the County Commissioner's Meeting at 8:00 a.m. on September 9, 2024.

The work to be performed and the proposals to be submitted shall include a bid for all general construction, labor, material, tools, equipment, taxes, permits, licenses, insurance, service costs, etc. incidental to and required for this project.

All materials furnished and labor performed incidental to and required by the proper and satisfactory execution of the contracts to be made, shall be furnished and performed in accordance with requirements from the drawings and specifications included in these documents. Copies of the Plans, Specifications, and bidding documents may be obtained in the Office of the Montgomery County Auditor, 1580 Constitution Row, Suite A, Crawfordsville, IN, 47933.

Each proposal must be enclosed in a sealed envelope with the supplied sealed bid notice, bearing the title of the project, bid opening date and the name and address of the bidder firmly attached. The proposal shall be accompanied by a certified check or acceptable ***Bidder's Bond***, made payable to the Montgomery County Auditor, in a sum of not less than ***five percent*** of the total amount of the proposal, which check or bond will be held by the said Montgomery County as evidence that the bidder will, if awarded a contract, enter into the same with the *OWNER* upon notification from him to do so within ten days of said notification. Failure to execute the contract and to furnish performance bond to Montgomery County, will be cause for forfeiture of the amount of money represented by the certified check, or bidder's bond, as and for liquidated damages. Form 96, as prescribed by the Indiana State Board of Accounts, shall be properly completed, and submitted with bid proposals.

Proposals may be held by the Board of Commissioners for a period not to exceed sixty (60) days from the opening date.

The successful Contractor will be required to furnish a Performance Bond in the amount of one hundred percent (100%) of the Contract price within ten (10) days after award of contract.

No Contractor may withdraw his proposal within sixty (60) days after the opening date.

The Board of Commissioners reserves the right to reject any or all proposals, to waive technicalities or irregularities therein, to delete any item or items and to award a contract on the proposal that in their judgment is the most advantageous to Montgomery County.

BOARD OF COMMISSIONERS
MONTGOMERY COUNTY, INDIANA

>NOTICE<

Sealed Bid Documents shall contain on the outside of the sealed envelope the following completed self-sticking label:

SEALED BID DOCUMENTS (To be completed by bidder before submission)		
Equipment Type	_____	
Annual Bid Category #	_____	
Road Contract # / Bridge # (Desc.) (Circle One)	_____	
Name of Bidder:	_____	
Bid Opening Date:	_____	
Other Documents Enclosed:		
Bid Bond	(Y)	(N)
Certified Check	(Y)	(N)
Form 95	(Y)	(N)
Form 96	(Y)	(N)
Other	_____	
For Montgomery County Use Only! Received by the Montgomery Co. Commissioners File Stamp		
Time Received:	_____	

All mailer packets will be opened upon receipt. Make sure the sealed envelope is contained within.

>NOTICE<

PROPOSAL

To the Board of County Commissioners of Montgomery County, of the State of Indiana; hereinafter referred to as *OWNER*:

Bridge Scour Maintenance Project
Montgomery County Bridge No. 9, 14, 25, 95, 127, 134, 136, 174, 197

Pursuant to the legal notice that sealed proposals for the above project would be received by the Board of County Commissioners of Montgomery County,

The undersigned hereby tenders this bid to construct the work in accordance with the plans, profiles, drawings, specifications, and all authorized revisions for this contract which are on file in the office of the Montgomery County Highway Department; and to furnish all necessary machinery, equipment, tools, labor and other means of construction and to furnish all material specified in the manner and at the time prescribed and under the supervision and direction of the *OWNER* or his duly authorized representative and pursuant to the terms of the ***Performance Bond*** and the ***Payment Bond*** in the amounts of not less than ***One Hundred Percent*** of the amount of the Proposal, for the unit prices given on the attached Itemized Proposal dated _____

_____.

Together with this PROPOSAL, the undersigned has:

- A. Filed an Itemized Proposal with a unit price and extension for each item listed, together with a total amount for all items, based upon the unique characteristics of this contract;
- B. Executed the Form No. 96 filed herewith;
- C. Filed a properly executed Bid Bond or certified check made payable to the Montgomery County Highway Department herewith in an amount greater than or equal to ten percent of the amount of this proposal;
- D. Executed the Non-Collusion affidavit filed herewith
- E. Executed the Legal Status of Bidder Form filed herewith;
- F. Filed a current Financial Statement herewith;

If awarded the contract, the undersigned promises to prosecute the work so as to complete the contract within the time specified in the Special Provisions.

Witness our hands this _____ day of _____, _____.

Firm Name _____

Address _____

By: _____
(Signature)

Name: _____
(Printed)

Title: _____
(Printed)

CONTRACT DOCUMENTS AND ADDENDA

The Bidder agrees to be bound by the terms and provisions of all Contract Documents as defined in the General Conditions and incorporates such Contract Documents herein by reference

The Bidder acknowledges receipt of the following addenda:

Addendum Number

Date

EXCEPTIONS

Instructions To Bidders:

The Bidder shall fully state each exception taken to the Specifications or other Contract Documents in this Part.

Bidder is cautioned that any exception taken by Bidder and deemed by Owner to be a material qualification or variance from the terms of the Contract Documents may result in this Bid being rejected as non-responsive.

Exceptions:

E-VERIFY PROGRAM

Pursuant to Indiana Code 22-5-1.7-11, the contractor awarded the Bid is required to enroll in and verify the work eligibility status of all its newly hired employees through the E-Verify program. The contractor who is awarded the Bid is not required to verify the work eligibility status of all its newly hired employees through the E-Verify program if the E-Verify program no longer exists.

The individual person(s) executing this Proposal, being first duly sworn, depose(s) and state(s) that the Bidder does not knowingly employ an unauthorized alien. The undersigned further affirms that, prior to entering into an agreement for this Bid, the undersigned business entity will enroll in and agrees to verify the work eligibility status of all its newly hired employees through the E-Verify program.

Itemized Proposal
Montgomery County Bridge No. 9, 14, 25, 95, 127, 134, 136, 174, 197
Bridge Scour Maintenance
Summary of Bid

*Base Bid:	
*Alternative Bid 1:	
*Alternative Bid 2:	
*Alternative Bid 3:	
*Alternative Bid 4:	
*Alternative Bid 5:	
*Alternative Bid 6:	
*Alternative Bid 7:	
*Alternative Bid 8:	
**Total of Base Bid plus All Alternative Bids:	

Submitted By: _____
Signature: _____
Title: _____
Address: _____

*Note: Bid amounts listed above will be read aloud at the time of bid opening and used for announcing the apparent low bidder. Therefore, it the bidder's responsibility to ensure the amounts listed match those included in the Itemized proposal. Neither the Owner nor the Engineer shall be required to discover or correct any error or omission and the Bidder shall assume the risk of and be bound to the consequences of any such error or omission.

**Note: This amount to shall be used to calculate Bid Security and the amounts listed in the Bidders Itemized Proposal and Declarations.

ITEMIZED PROPOSAL
MONTGOMERY COUNTY
BRIDGE SCOUR MAINTENANCE
 July, 2024

ITEM No.	INDOT ITEM	DESCRIPTION	TOTAL QUANTITY	UNIT	UNIT PRICE	EXTENSION
Bridge 9 Pay Items						
1	110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS		
2	206-51235	STORMWATER MANAGEMENT BUDGET	1	LS		
3	206-51235	COFFERDAM	1	LS		
4	616-05688	RIPRAP CLASS 1	376	TON		
5	616-12246	GEOTEXTILE FOR RIPRAP TYPE 1A	319	SYS		
SUBTOTAL:						
Bridge 14 Pay Items						
1	110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS		
2	206-51235	STORMWATER MANAGEMENT BUDGET	1	LS		
3	206-51235	COFFERDAM	1	LS		
4	616-05688	RIPRAP CLASS 1	246	TON		
5	616-12246	GEOTEXTILE FOR RIPRAP TYPE 1A	190	SYS		
SUBTOTAL:						
Bridge 25 Pay Items						
1	110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS		
2	206-51235	STORMWATER MANAGEMENT BUDGET	1	LS		
3	206-51235	COFFERDAM	1	LS		
4	616-05688	RIPRAP CLASS 1	528	TON		
5	616-12246	GEOTEXTILE FOR RIPRAP TYPE 1A	437	SYS		
SUBTOTAL:						
Bridge 95 Pay Items						
1	110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS		
2	206-51235	STORMWATER MANAGEMENT BUDGET	1	LS		
3	206-51235	COFFERDAM	1	LS		
4	616-05688	RIPRAP CLASS 1	299	TON		
5	616-12246	GEOTEXTILE FOR RIPRAP TYPE 1A	233	SYS		
SUBTOTAL:						

ITEMIZED PROPOSAL
MONTGOMERY COUNTY
BRIDGE SCOUR MAINTENANCE
 July, 2024

ITEM No.	INDOT ITEM	DESCRIPTION	TOTAL QUANTITY	UNIT	UNIT PRICE	EXTENSION
Bridge 127 Pay Items						
1	110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS		
2	206-51235	STORMWATER MANAGEMENT BUDGET	1	LS		
3	206-51235	COFFERDAM	1	LS		
4	616-05688	RIPRAP CLASS 1	222	TON		
5	616-12246	GEOTEXTILE FOR RIPRAP TYPE 1A	169	SYS		
SUBTOTAL:						
Bridge 134 Pay Items						
1	110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS		
2	206-51235	STORMWATER MANAGEMENT BUDGET	1	LS		
3	206-51235	COFFERDAM	1	LS		
4	616-05688	RIPRAP CLASS 1	236	TON		
5	616-12246	GEOTEXTILE FOR RIPRAP TYPE 1A	235	SYS		
SUBTOTAL:						
Bridge 136 Pay Items						
1	110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS		
2	206-51235	STORMWATER MANAGEMENT BUDGET	1	LS		
3	206-51235	COFFERDAM	1	LS		
4	616-05688	RIPRAP CLASS 1	264	TON		
5	616-12246	GEOTEXTILE FOR RIPRAP TYPE 1A	207	SYS		
SUBTOTAL:						
Bridge 174 Pay Items						
1	110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS		
2	206-51235	STORMWATER MANAGEMENT BUDGET	1	LS		
3	206-51235	COFFERDAM	1	LS		
4	616-05688	RIPRAP CLASS 1	323	TON		
5	616-12246	GEOTEXTILE FOR RIPRAP TYPE 1A	263	SYS		
SUBTOTAL:						

ITEMIZED PROPOSAL
MONTGOMERY COUNTY
BRIDGE SCOUR MAINTENANCE
 July, 2024

ITEM No.	INDOT ITEM	DESCRIPTION	TOTAL QUANTITY	UNIT	UNIT PRICE	EXTENSION
Bridge 197 Pay Items						
1	110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS		
2	206-51235	STORMWATER MANAGEMENT BUDGET	1	LS		
3	206-51235	COFFERDAM	1	LS		
4	301-12231	COMPACTED AGGREGATE NO. 2	9	CYS		
5	301-12234	COMPACTED AGGREGATE NO. 53	9	CYS		
6	616-05688	RIPRAP CLASS 1	352	TON		
7	616-12246	GEOTEXTILE FOR RIPRAP TYPE 1A	297	SYS		
SUBTOTAL:						
TOTAL:						



CONTRACTOR'S BID FOR PUBLIC WORK - FORM 96

State Form 52414 (R2 / 2-13) / Form 96 (Revised 2013)
Prescribed by State Board of Accounts

PART I

(To be completed for all bids. Please type or print)

Date (month, day, year): _____

1. Governmental Unit (Owner): _____

2. County : _____

3. Bidder (Firm): _____

Address: _____

City/State/ZIPcode: _____

4. Telephone Number: _____

5. Agent of Bidder (if applicable): _____

Pursuant to notices given, the undersigned offers to furnish labor and/or material necessary to complete the public works project of _____

(Governmental Unit) in accordance with plans and specifications prepared by _____

_____ and dated _____ for the sum of
_____ \$ _____

The undersigned further agrees to furnish a bond or certified check with this bid for an amount specified in the notice of the letting. If alternative bids apply, the undersigned submits a proposal for each in accordance with the notice. Any addendums attached will be specifically referenced at the applicable page.

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the governmental unit. If the bid is to be awarded on a unit basis, the itemization of the units shall be shown on a separate attachment.

The contractor and his subcontractors, if any, shall not discriminate against or intimidate any employee, or applicant for employment, to be employed in the performance of this contract, with respect to any matter directly or indirectly related to employment because of race, religion, color, sex, national origin or ancestry. Breach of this covenant may be regarded as a material breach of the contract.

CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS *(If applicable)*

I, the undersigned bidder or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel products on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

ACCEPTANCE

The above bid is accepted this _____ day of _____, _____, subject to the following conditions: _____

Contracting Authority Members:

PART II

(For projects of \$110,000 or more – IC 36-1-12-4)

Governmental Unit: _____

Bidder (Firm) _____

Date (month, day, year): _____

These statements to be submitted under oath by each bidder with and as a part of his bid. Attach additional pages for each section as needed.

SECTION I EXPERIENCE QUESTIONNAIRE

- What public works projects has your organization completed for the period of one (1) year prior to the date of the current bid?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

- What public works projects are now in process of construction by your organization?

Contract Amount	Class of Work	Expected Completion Date	Name and Address of Owner

3. Have you ever failed to complete any work awarded to you? _____ If so, where and why?

4. List references from private firms for which you have performed work.

SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE

1. Explain your plan or layout for performing proposed work. *(Examples could include a narrative of when you could begin work, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.)*

2. Please list the names and addresses of all subcontractors *(i.e. persons or firms outside your own firm who have performed part of the work)* that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor.

3. If you intend to sublet any portion of the work, state the name and address of each subcontractor, equipment to be used by the subcontractor, and whether you will require a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project.

4. What equipment do you have available to use for the proposed project? Any equipment to be used by subcontractors may also be required to be listed by the governmental unit.

5. Have you entered into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which would corroborate the prices listed.

SECTION III CONTRACTOR'S FINANCIAL STATEMENT

Attachment of bidder's financial statement is mandatory. Any bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the contract must be specific enough in detail so that said governing body can make a proper determination of the bidder's capability for completing the project if awarded.

BID OF

_____ (Contractor)

_____ (Address)

FOR
PUBLIC WORKS PROJECTS
OF

Filed _____, _____

Action taken _____

BID BOND

KNOWN BY ALL PERSONS BY THESE PRESENTS THAT THE UNDERSIGNED:

BIDDER: _____

as principal, and

SURETY: [Name] _____

[Address] _____

as Surety,

are firmly bound unto the Board of County Commissioners of Montgomery County, Indiana in the full and just sum of an amount equal to ***FIVE PERCENT*** of the amount of the Principal's bid, to the payment of which, well and truly to be made, we bind ourselves jointly and severally, and our joint and several heirs, executors, administrators and assigns, firmly by these presents.

THE CONDITIONS OF THE ABOVE OBLIGATIONS ARE SUCH THAT, whereas, the Principal is herewith submitting a bid and proposal for construction and completion of this contract in accordance with plans and specifications, which are made part of this bond;

NOW, THEREFORE, if the Board of County Commissioners of Montgomery County shall award the Principal the contract and the Principal shall promptly enter into a contract with the Board of County Commissioners of Montgomery County, then this obligation shall be void; otherwise to remain in full force, virtue, and effect.

IT IS AGREED that no modifications, omissions, or additions in or to the terms of such contract or in or to the plans or specifications therefore shall affect the obligation of such sureties on this bond.

IN WITNESS WHEREOF, we hereto set our hands and seals:

<< BIDDER >>

(Bid Bond)

(Signature)

(Printed)

(Title)

State of Indiana. County of _____, SS:
Before me, the undersigned Notary Public, personally appeared;

_____ as Principal and acknowledged the execution of the above
bond on this _____ day of _____, _____.

My Commission Expires: _____

(County of Residence)

(Notary Signature & Seal)

<< SURETY >>

(Bid Bond)

(Signature)

(Printed)

(Title)

State of Indiana. County of _____, SS:
Before me, the undersigned Notary Public, personally appeared;

_____ as Surety and acknowledged the execution of the
above bond on this _____ day of _____, _____.

My Commission Expires: _____

(County of Residence)

(Notary Signature & Seal)

PAYMENT BOND

KNOWN BY ALL PERSONS BY THESE PRESENTS THAT THE UNDERSIGNED:

CONTRACTOR: _____

as principal, and

SURETY: *[Name]* _____

[Address] _____

as Surety,

are firmly bound unto the Board of County Commissioners of Montgomery County, Indiana in the penal sum of an amount equal to **ONE HUNDRED PERCENT** of the amount of the Principal's bid, if the proposal is accepted, for the payment of which, well and truly made, we bind ourselves jointly and severally, and our joint and several heirs, executors, administrators and assigns, firmly by these presents.

THE CONDITIONS OF THE ABOVE OBLIGATION ARE SUCH THAT, whereas, the Principal is herewith submitting a bid and proposal for construction and completion of this contract in accordance with plans and specifications, which are made part of this bond;

NOW, THEREFORE, if the Board of County Commissioners of Montgomery County shall award the Principal the contract for work and the Principal shall promptly enter into a contract with the Board of County Commissioners of Montgomery County, for the work and shall promptly make payments of all amounts due to all Claimants, then this obligation shall be void; otherwise to remain in full force, virtue, and effect. Claimant shall mean any subcontractor, material supplier or other person, firm, or corporation furnishing materials or equipment for or performing labor or services in the prosecution of the work provided in such an agreement, including lubricants, oil, gasoline, coal, and coke, repairs on machinery, and tools, whether consumed or used in connection with the construction of such work, and all insurance premiums on said work, and for all labor, performed in such work.

IT IS AGREED that no modifications, omissions, or additions in or to the terms of such contract or in or to the plans or specifications therefore shall affect the obligation of such sureties on this bond.

IN WITNESS WHEREOF, we hereto set our hands and seals:

<< CONTRACTOR >>

(Payment Bond)

(Signature)

(Printed)

(Title)

State of Indiana. County of _____, SS:

Before me, the undersigned Notary Public, personally appeared;

_____ as Principal and acknowledged the execution of the
above bond on this _____ day of _____, _____.

My Commission Expires: _____

(County of Residence)

(Notary Signature & Seal)

<< SURETY >>

(Payment Bond)

(Signature)

(Printed)

(Title)

State of Indiana. County of _____, SS:

Before me, the undersigned Notary Public, personally appeared;

_____ as Surety and acknowledged the execution of the
above bond on this _____ day of _____, _____.

My Commission Expires: _____

(County of Residence)

(Notary Signature & Seal)

PERFORMANCE BOND

KNOWN BY ALL PERSONS BY THESE PRESENTS THAT THE UNDERSIGNED:

CONTRACTOR: _____

as principal, and

SURETY: [Name] _____

[Address] _____

as Surety,

are firmly bound unto the Board of County Commissioners of Montgomery County, Indiana in the penal sum of an amount equal to ***ONE HUNDRED PERCENT*** of the amount of the Principal's bid, if the proposal is accepted, for the payment of which, well and truly made, we bind ourselves jointly and severally, and our joint and several heirs, executors, administrators and assigns, firmly by these presents.

THE CONDITIONS OF THE ABOVE OBLIGATION ARE SUCH THAT, whereas, the Principal is herewith submitting a bid and proposal for construction and completion of this contract in accordance with plans and specifications, which are made part of this bond;

NOW, THEREFORE, if the Board of County Commissioners of Montgomery County shall award the Principal the contract for work and the Principal shall promptly enter into a contract with the Board of County Commissioners of Montgomery County, for the work and shall well and faithfully do and perform the same in all respects according to the plans and specifications and according to the time, terms, and conditions specified in this contract to be entered into, and in accordance with all requirements of law and shall promptly pay all debts incurred by the Principal or a subcontractor in the construction of the work, including labor, service, and materials furnished, *and shall remain in effect at least until one year after the date when final payment becomes due*, then this obligation shall be void; otherwise to remain in full force, virtue, and effect.

IT IS AGREED that no modifications, omissions, or additions in or to the terms of such contract or in or to the plans or specifications therefore shall affect the obligation of such sureties on this bond.

IN WITNESS WHEREOF, we hereto set our hands and seals:

<< CONTRACTOR >>

(Performance Bond)

(Signature)

(Printed)

(Title)

State of Indiana. County of _____, SS:
Before me, the undersigned Notary Public, personally appeared;

_____ as Principal and acknowledged the execution of the
above bond on this _____ day of _____, _____.

My Commission Expires: _____

(County of Residence)

(Notary Signature & Seal)

<< SURETY >>

(Performance Bond)

(Signature)

(Printed)

(Title)

State of Indiana. County of _____, SS:
Before me, the undersigned Notary Public, personally appeared;

_____ as Surety and acknowledged the execution of the
above bond on this _____ day of _____, _____.

My Commission Expires: _____

(County of Residence)

(Notary Signature & Seal)

NON-COLLUSION AFFIDAVIT

STATE OF _____)
) SS
COUNTY OF _____)

The undersigned *CONTRACTOR*, being duly sworn, on oath, says that it has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by it, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone, nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding in any way or manner whatever.

BY _____
(Signature)

(Title)

FOR _____
(Firm or Corporation)

Before me, the undersigned as Notary Public, personally appeared;

_____ this _____ day of _____, _____.

My Commission Expires: _____

(County of Residence)

(Notary Signature & Seal)

LEGAL STATUS OF BIDDER

This Proposal is submitted in the name of:

Firm Name _____

The undersigned hereby designates below his business address to which all notices, directions or other communications may be served or mailed:

Street _____

City _____

State _____ Zip Code _____

The undersigned hereby declares that he has legal status checked below:

- INDIVIDUAL
- INDIVIDUAL DOING BUSINESS UNDER AN ASSUMED NAME
- CO-PARTNERSHIP (The Assumed name of the partnership is registered in the County of _____, Indiana.
- CORPORATION INCORPORATED UNDER THE LAWS OF THE STATE OF _____.
The Corporation is:
 - LICENSED TO DO BUSINESS IN INDIANA
 - NOT NOW LICENSED TO DO BUSINESS IN INDIANA

The name, titles and home address of all persons who are officers or Partners in the organization are as follows:

<i>NAME AND TITLE</i>	<i>HOME ADDRESS</i>
_____	_____
_____	_____
_____	_____

Signed and Sealed this _____ day of _____, _____

By _____
(Signature)

(Printed)

(Title)

MONTGOMERY COUNTY HIGHWAY DEPARTMENT

CHANGE ORDER #

Project No. _____

Contract No. _____

Project Description:

Whereas, the Standard Specifications for this contract provides for such work to be performed, the following change is recommended.
(Give location, description and reason)

ITEM NO.	DESCRIPTION OF ITEM	UNIT PRICE	INCREASE		DECREASE		% CHANGE	
			QUANTITY	AMOUNT	QUANTITY	AMOUNT	THIS C.O.	TO DATE
PLACE "EW" FOR EXTRA WORK ITEMS		TOTALS						
PLACE "FA" FOR FORCE ACCOUNT ITEMS		NET	INCREASED DECREASED	ESTIMATED COST \$				

This contract has been extended / reduced (circle one) by _____ work / calendar (circle one) days or the completion date has been moved to _____ to accommodate the changes made in this change order. It is the intent of the parties that this change order is full and complete compensation for the work described above. Notification and consent to this change in plans is hereby acknowledged.

Contractor: _____

By: _____ Date: _____
Title: _____

Submitted for Consideration	
P.E.	Const. Engr.
County Engr.	Dir. High.

Approved for Montgomery County Highway Department

(Signature)

(Title)

(Date)

AFFIDAVIT AND WAIVER OF LIEN

Final Partial Payment to Follow

State of Indiana, County of _____ SS

_____ being duly sworn states that he is the _____ of
(Name of Officer) (Title)

_____ having contracted with _____ to furnish certain
(Subcontractor/Supplier) (CONTRACTOR)

materials and/or labor as follows _____

for the project known as _____ **Montgomery County Bridge Scour Maintenance Project** _____

located at _____ and owned by _____ **the Board of County Commissioners of Montgomery County**
and does hereby further state on behalf of the aforementioned subcontractor/supplier:

(PARTIAL WAIVER) that there is due from the CONTRACTOR the sum of

_____ Dollars(\$ _____)

- () receipt of which is hereby acknowledged; or
- () the payment of which has been promised as the sole consideration of this affidavit and Partial Waiver of Lien which is given solely with respect to said amount and which waiver shall be effective only upon receipt of payment thereof by the undersigned:

(FINAL WAIVER) that the final balance due from the CONTRACTOR is the sum of

_____ Dollars(\$ _____)

- () receipt of which is hereby acknowledged or
- () the payment of which has been promised as the sole consideration for this Affidavit and Final Waiver of Lien which shall become effective upon receipt of such payment

THEREFORE, the undersigned waives and releases unto the OWNER of said premises, any and all lien or claim whatsoever on the above-described property and improvements thereon on account of LABOR or material or both, furnished by the undersigned thereto, subject to limitations or conditions expressed herein, if any; and further certifies that no other party has any claim or right to a lien on account of any work performed or material furnished to the undersigned for said project, and within the scope of this affidavit and waiver.

_____ By _____ Title _____
(Firm) (Authorized Representative)

WITNESS MY HAND AND NOTARIAL SEAL this _____ day of _____ 20__.

(Notary Public)

My Commission Expires _____ Printed _____

Residing in _____ County

CERTIFICATION LETTER

TO BE COMPLETED BY ALL SUB-CONTRACTORS AND MATERIAL SUPPLIERS

Reference:

***Bridge Scour Maintenance Project
Montgomery County***

We hereby certify that we have examined the Contract Plans and Specifications for this project and that all materials and workmanship will be in strict compliance therewith.

Company Name _____

Address _____

By _____
(Signature)

(Printed)

(Title)

Date _____

Describe Item of work or material to be furnished:

Copy to: *United Consulting
8440 Allison Pointe Blvd.
Suite 200
Indianapolis, Indiana, 46250*

Scope of Work

BRIDGE 9:

- Place temporary cofferdams under the bridge for pier riprap installation.
- Install 24” Class I Riprap along the existing spillslopes. Riprap is to extend from the toe of the slope to the top of the slope and around each cone of the slope.
- Install 36” Class I Riprap 6’ in each direction around the piers.
- All new riprap is to be placed on Geotextiles for Riprap Type 1A.

BRIDGE 14:

- Place temporary cofferdams under the bridge for pier riprap installation.
- Install 24” Class I Riprap along the existing spillslopes. Riprap is to extend from the toe of the slope to the top of the slope.
- Install 36” Class I Riprap 6’ in each direction around the piers.
- All new riprap is to be placed on Geotextiles for Riprap Type 1A.

BRIDGE 25:

- Place temporary cofferdams under the bridge for pier riprap installation.
- Install 24” Class I Riprap along the existing spillslopes. Riprap is to extend from the toe of the slope to the top of the slope.
- Install 36” Class I Riprap 6’ in each direction around the piers.
- All new riprap is to be placed on Geotextiles for Riprap Type 1A.

BRIDGE 95:

- Place temporary cofferdams under the bridge for pier riprap installation.
- Install 36” Class I Riprap 6’ in each direction around the piers.
- All new riprap is to be placed on Geotextiles for Riprap Type 1A.

BRIDGE 127:

- Place temporary cofferdams under the bridge for pier riprap installation. Only one cofferdam may be placed at a time in order to not restrict channel flow.
- Install 36” Class I Riprap 6’ in each direction on unprotected perimeter around piers.
- All new riprap is to be placed on Geotextiles for Riprap Type 1A.

BRIDGE 134:

- Place temporary cofferdams under the bridge for pier riprap installation.
- Install 24” Class I Riprap along the existing spillslopes. Riprap is to extend from the toe of the slope to the top of the slope.
- Install 36” Class I Riprap 6’ in each direction around the piers.
- All new riprap is to be placed on Geotextiles for Riprap Type 1A.

BRIDGE 136:

- Place temporary cofferdams under the bridge for pier riprap installation.
- Install 24” Class I Riprap along the existing spillslopes. Riprap is to extend from the toe of the slope to the top of the slope.
- Install 36” Class I Riprap 6’ in each direction around the piers.
- All new riprap is to be placed on Geotextiles for Riprap Type 1A.

BRIDGE 174:

- Place temporary cofferdam under the bridge for pier riprap installation.
- Install 24” Class I Riprap along the existing spillslopes. Riprap is to extend from the toe of the slope to the top of the slope.
- Install 36” Class I Riprap 6’ in each direction around the piers.
- All new riprap is to be placed on Geotextiles for Riprap Type 1A.

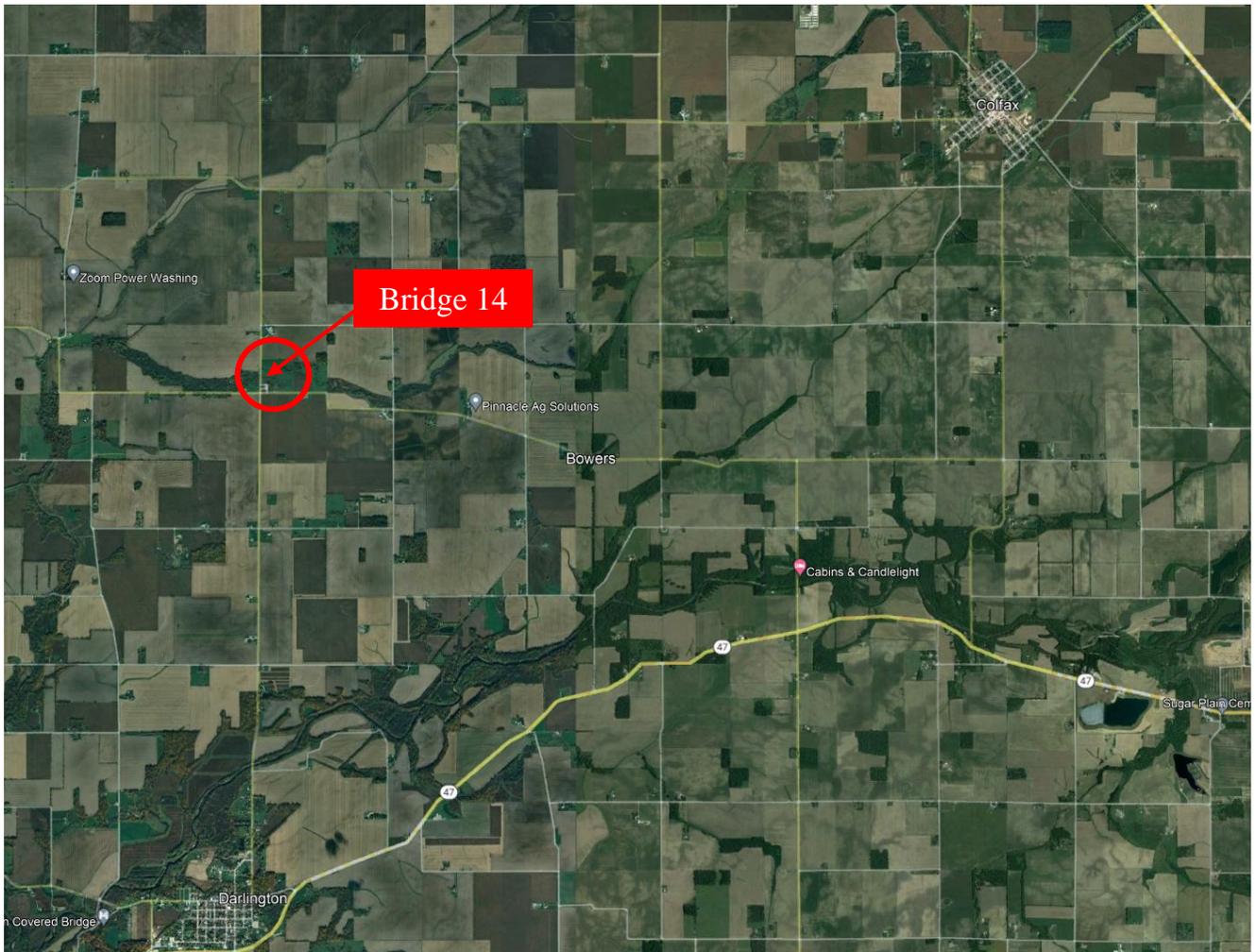
BRIDGE 197:

- Place temporary cofferdams under the bridge for pier riprap installation. Only one cofferdam may be placed at a time in order to not restrict channel flow.
- Install 24” Class I Riprap along the existing spillslopes. Riprap is to extend from the toe of the slope to the top of the slope.
- Install 36” Class I Riprap 6’ in each direction around the piers.
- All new riprap is to be placed on Geotextiles for Riprap Type 1A.
- Place a 3’ wide compacted aggregate animal crossing as shown on the elevation sheet.

Montgomery County Bridge 14 Location

CR 700 E over Little Potato Creek

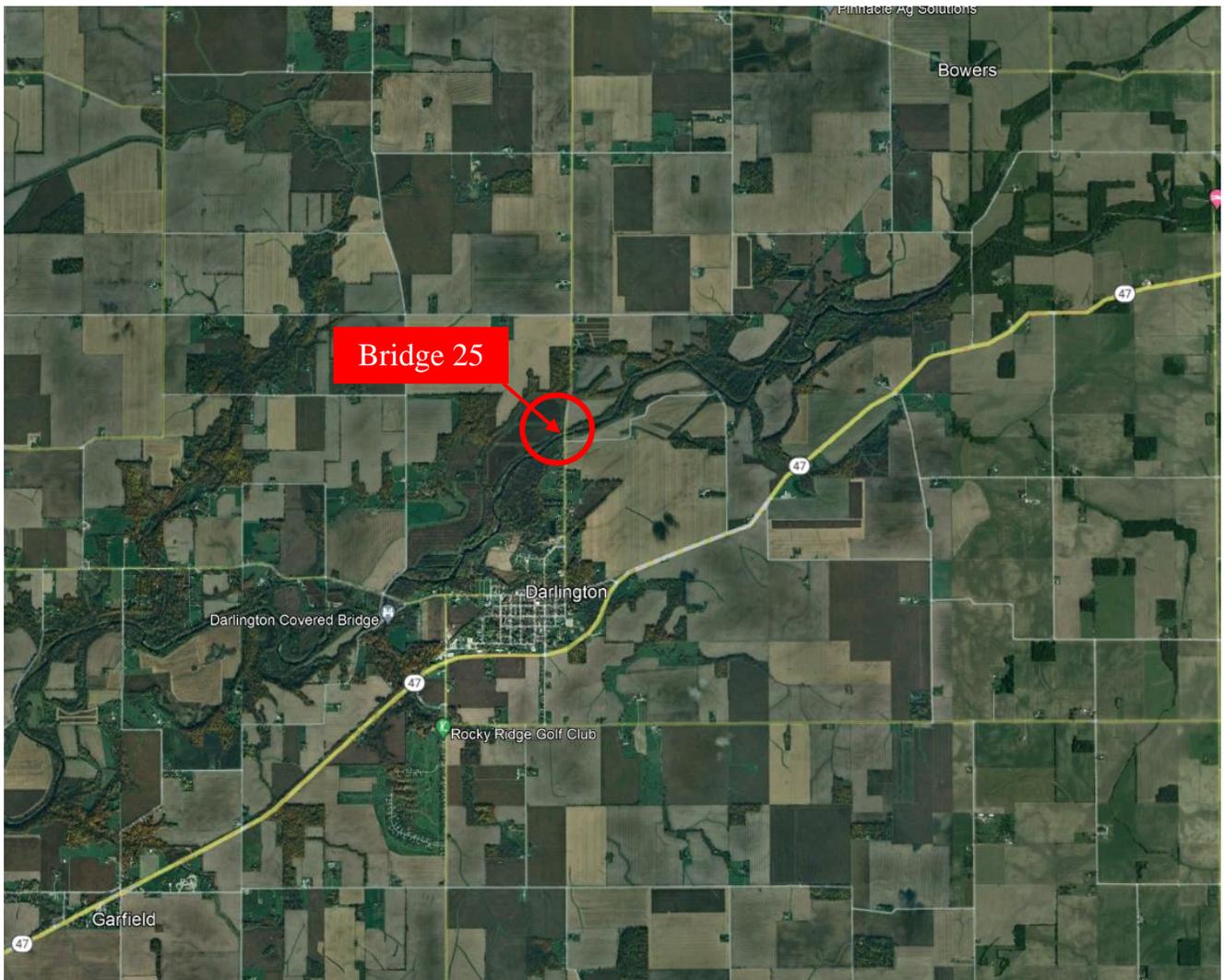
0.1 Miles N of CR 85



Montgomery County Bridge 25 Location

CR 700 E over Sugar Creek

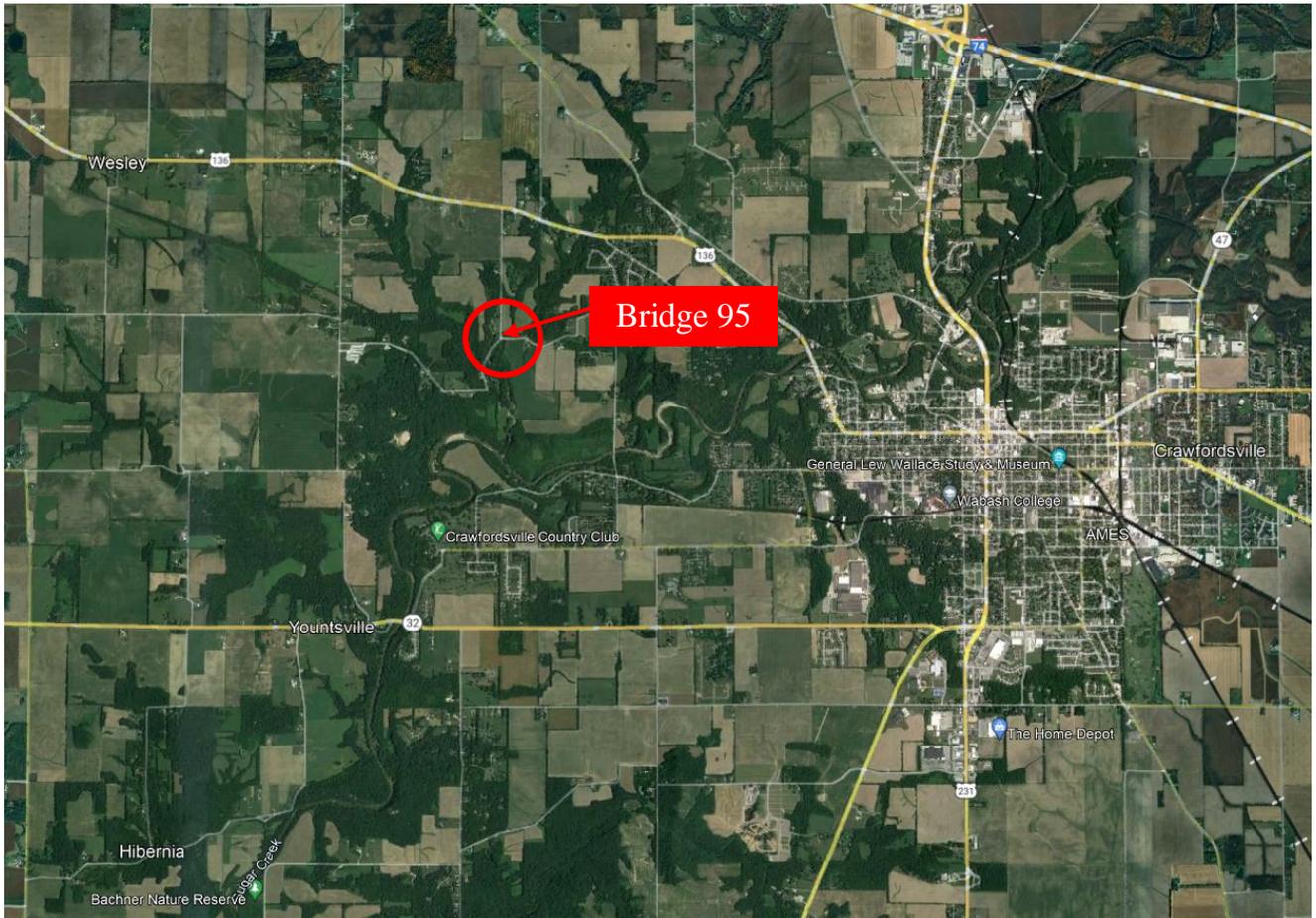
0.8 Miles S of CR 650 N



Montgomery County Bridge 95 Location

CR 80 N over Black Creek

0.1 Miles E of CR 300 W



Montgomery County Bridge 127 Location

CR 400 S over Offield Creek

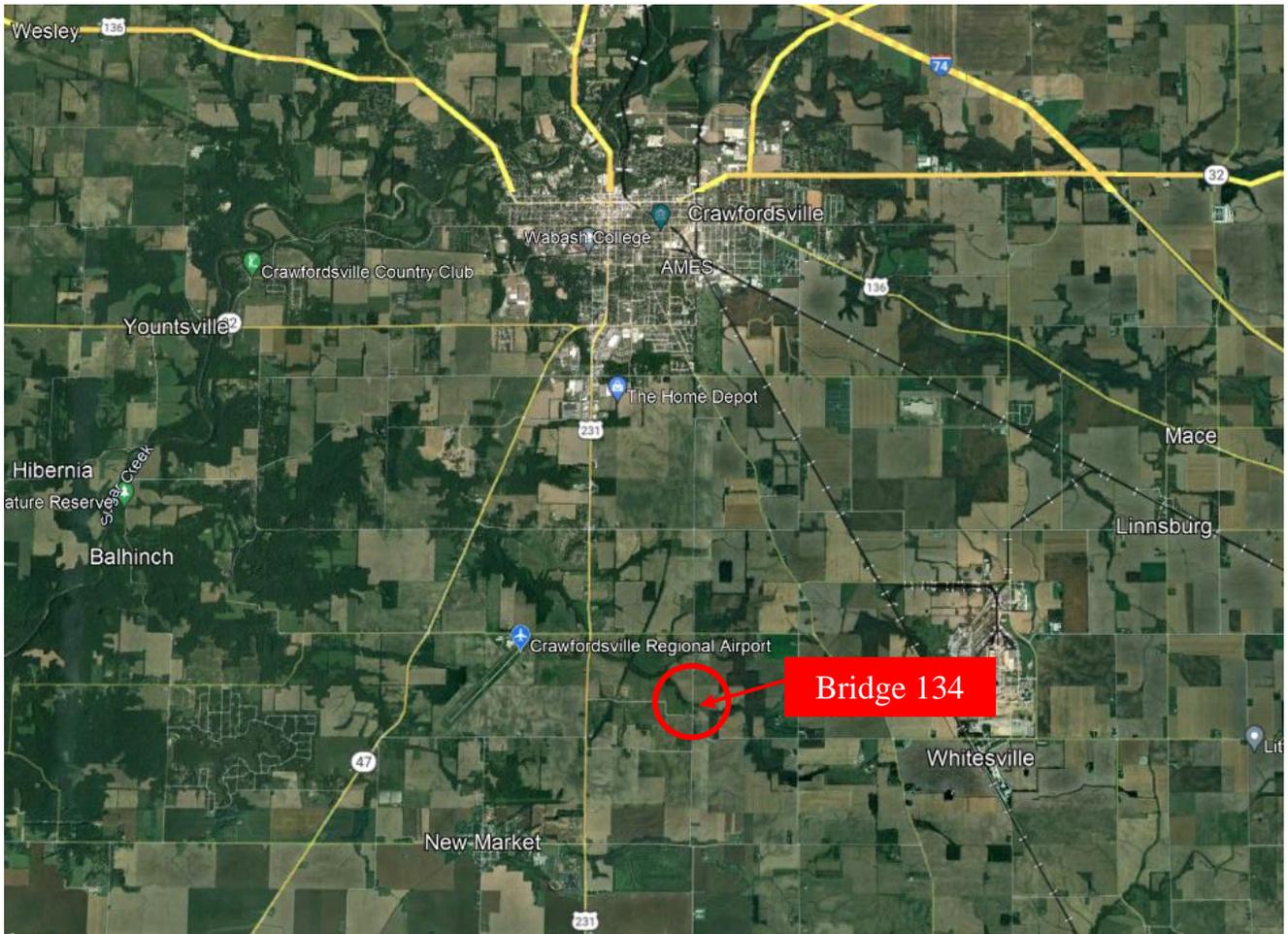
0.1 Miles W of US 231



Montgomery County Bridge 134 Location

CR 100 E over Offield Creek

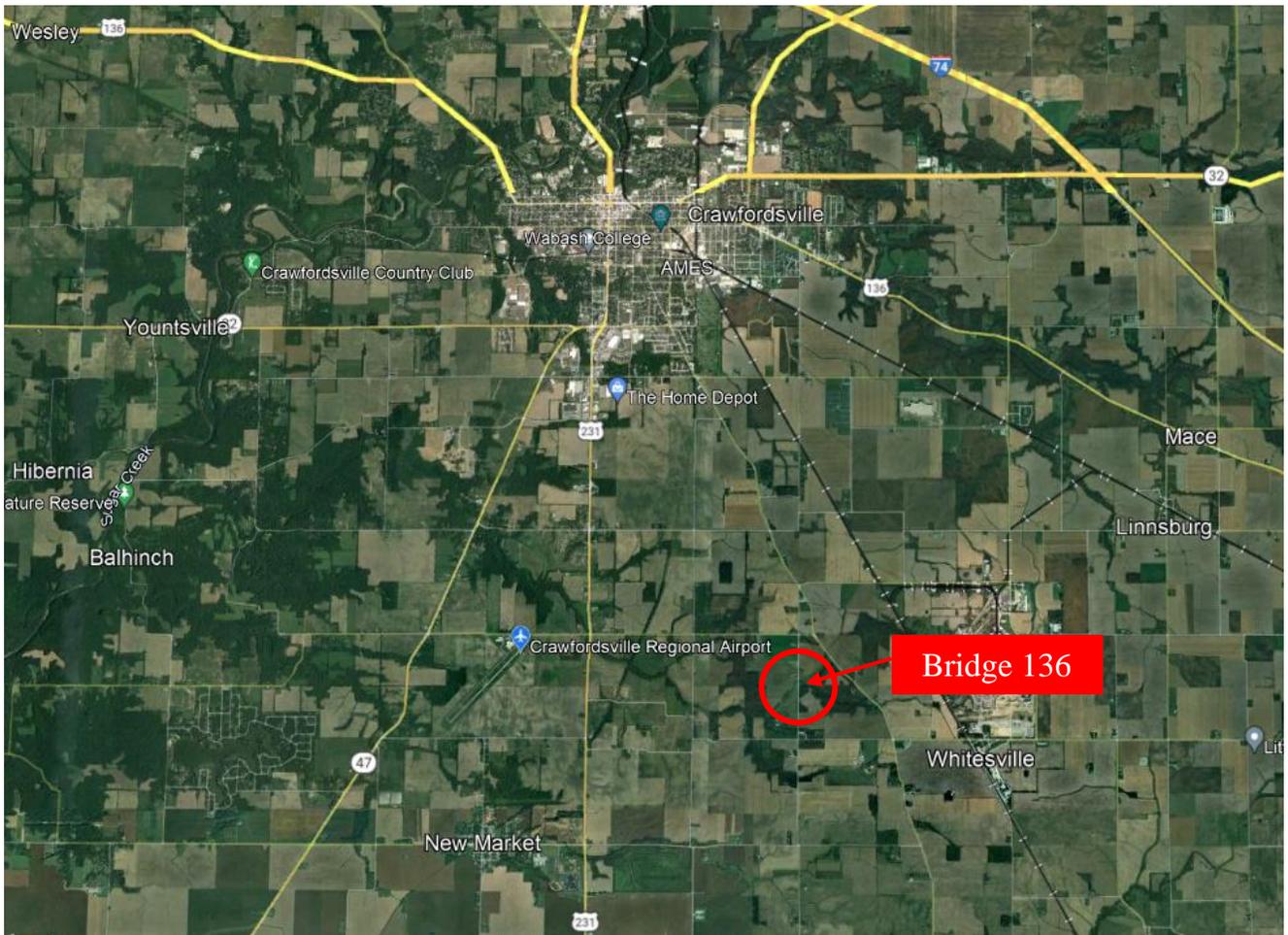
0.3 Miles N of CR 500 S



Montgomery County Bridge 136 Location

CR 200 E over Offield Creek

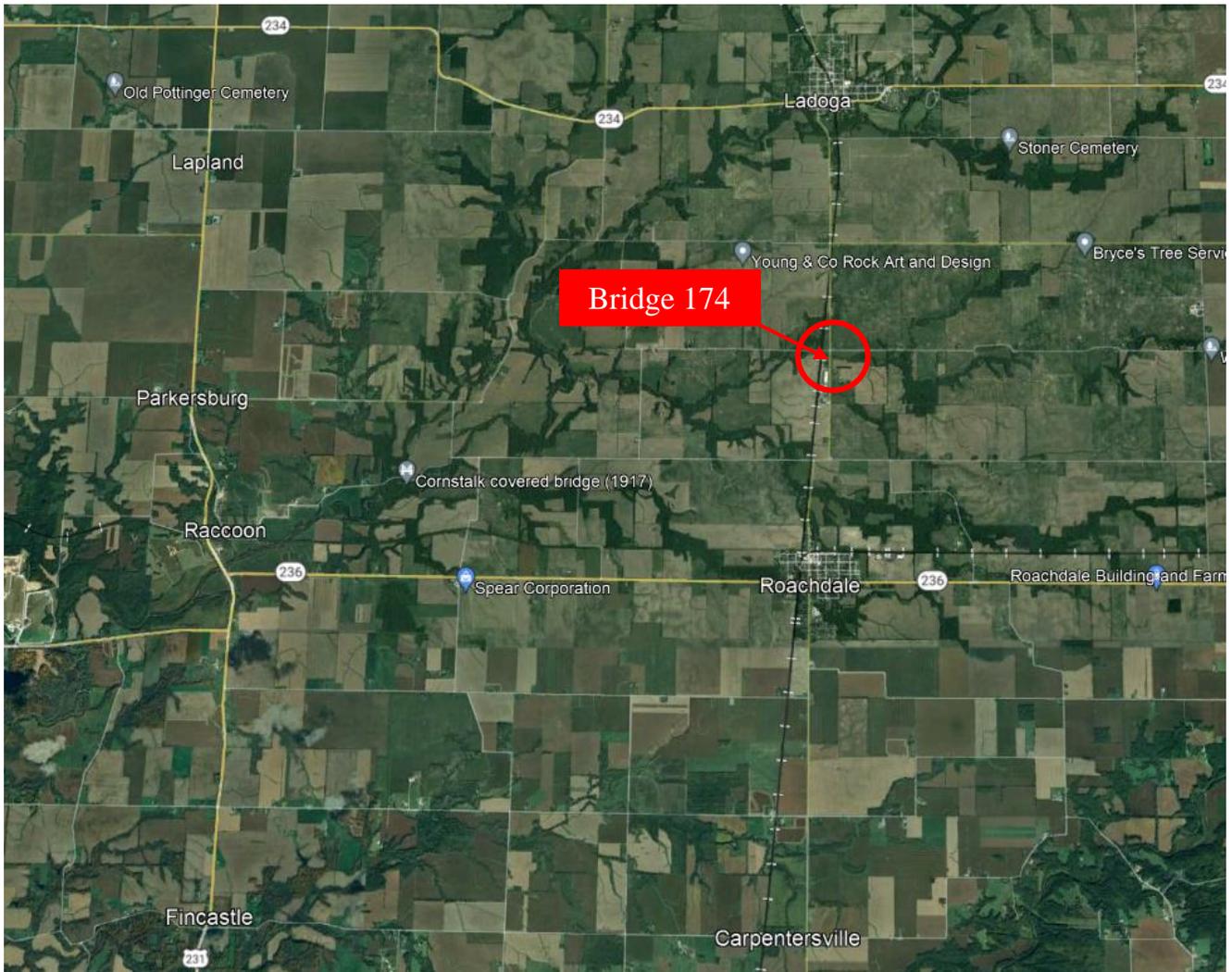
0.5 Miles S of CR 400 S



Montgomery County Bridge 174 Location

CR 550 E over Haw Creek

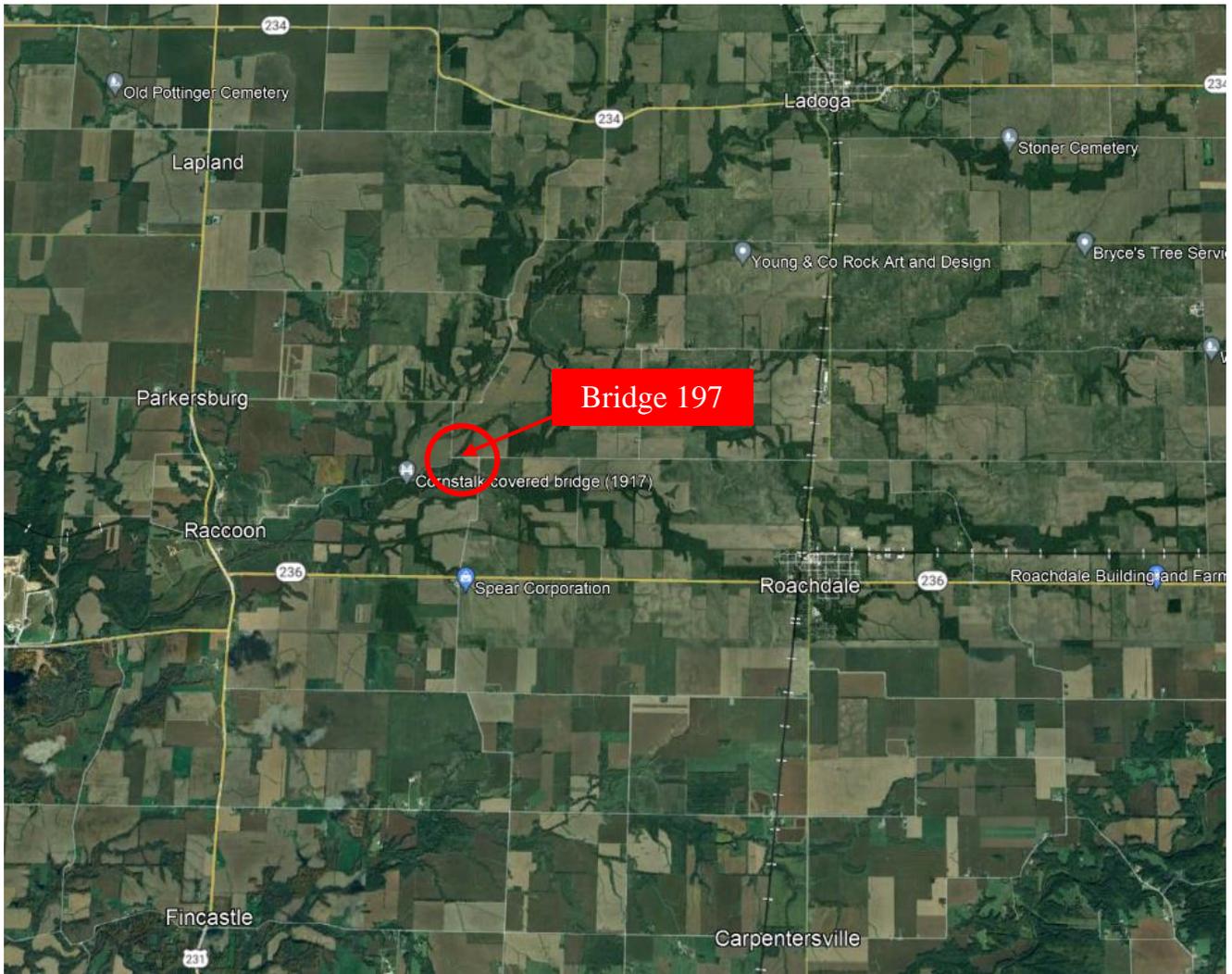
0.1 Miles S of CR 1100 S



Montgomery County Bridge 197 Location

CR 1200 S over Big Raccoon Creek

0.1 Miles E of CR 240 E

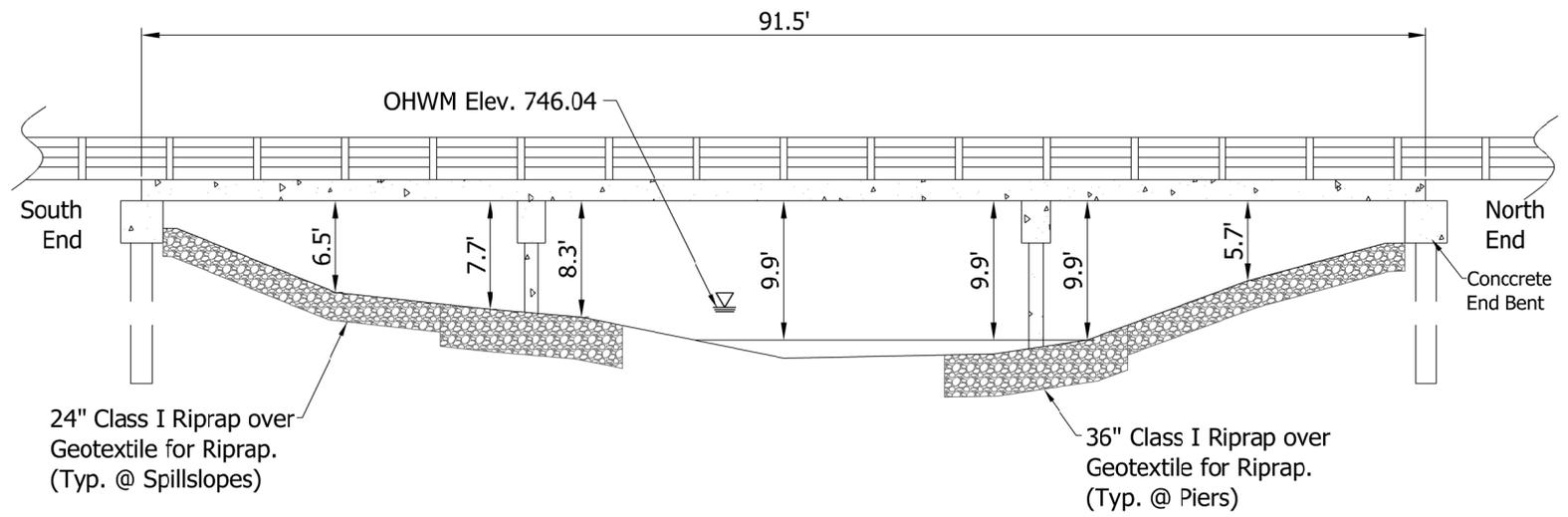




MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

MONTGOMERY COUNTY BRIDGE No. 9
CR 575 W OVER NORTH FORK OF COAL CREEK

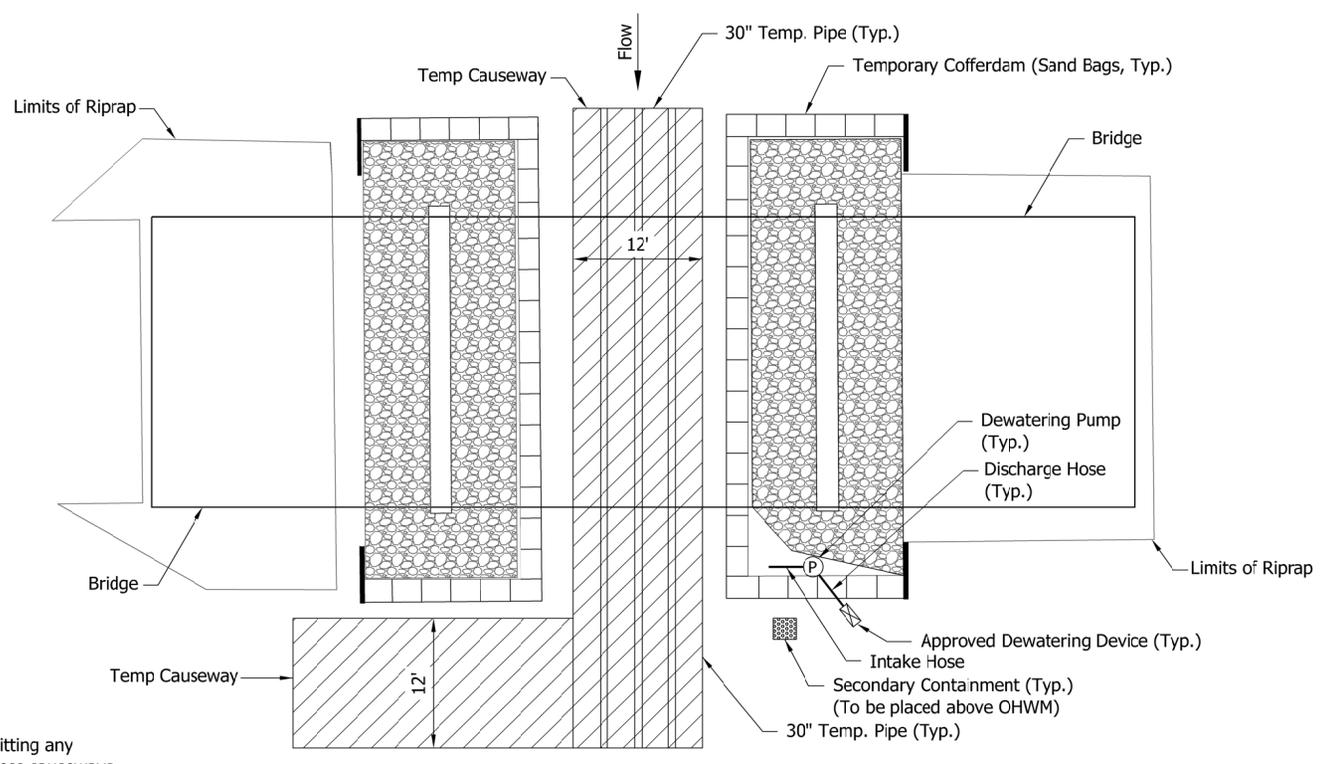
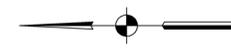
AERIAL LAYOUT



MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

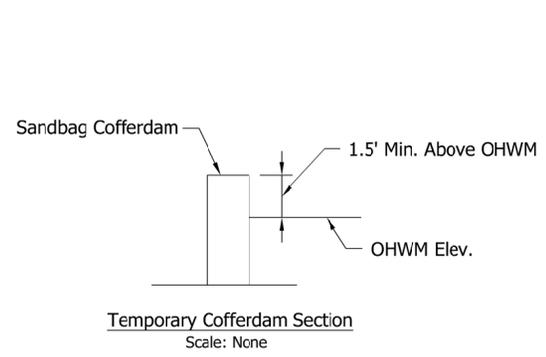
MONTGOMERY COUNTY BRIDGE No. 9
CR 575 W OVER NORTH FORK OF COAL CREEK

ELEVATION

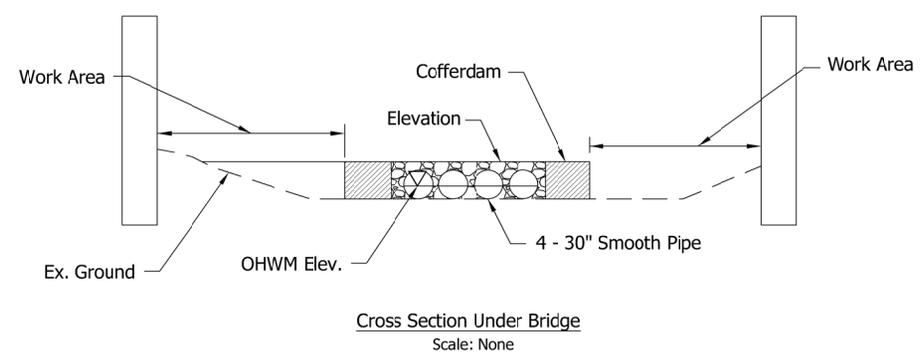


NOTE: Contractor is responsible for permitting any tree cleaning to install the riprap and access causeways.

PLAN
Scale: None



Temporary Cofferdam Section
Scale: None



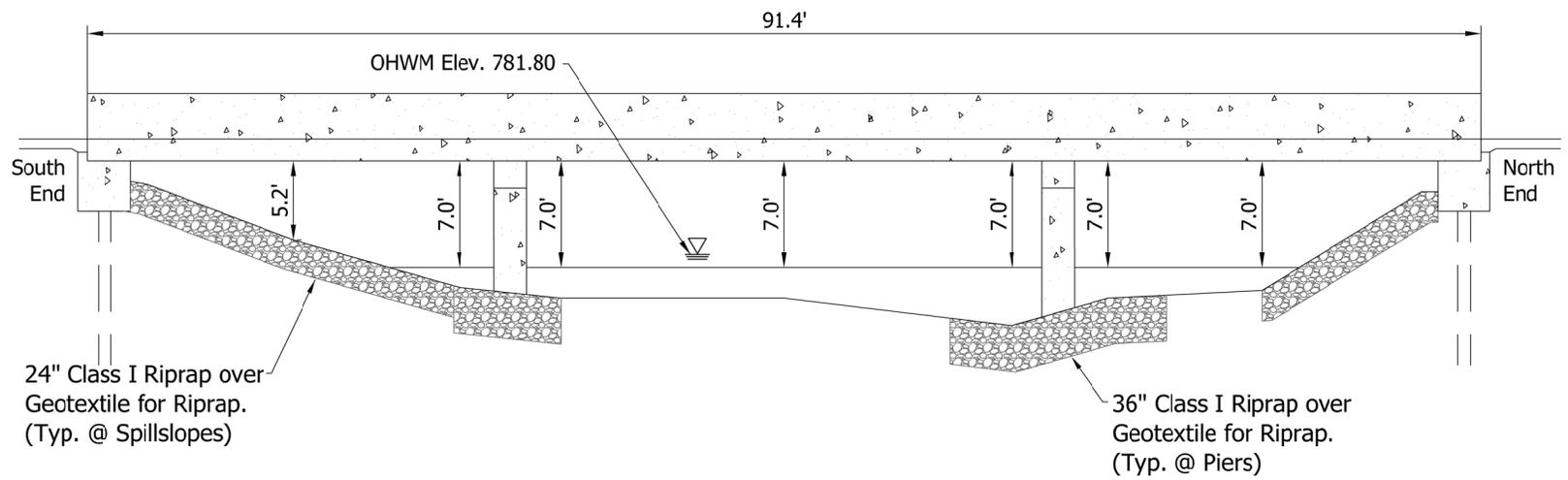
Cross Section Under Bridge
Scale: None



MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

MONTGOMERY COUNTY BRIDGE No. 14
CR 700 E OVER LITTLE POTATO CREEK

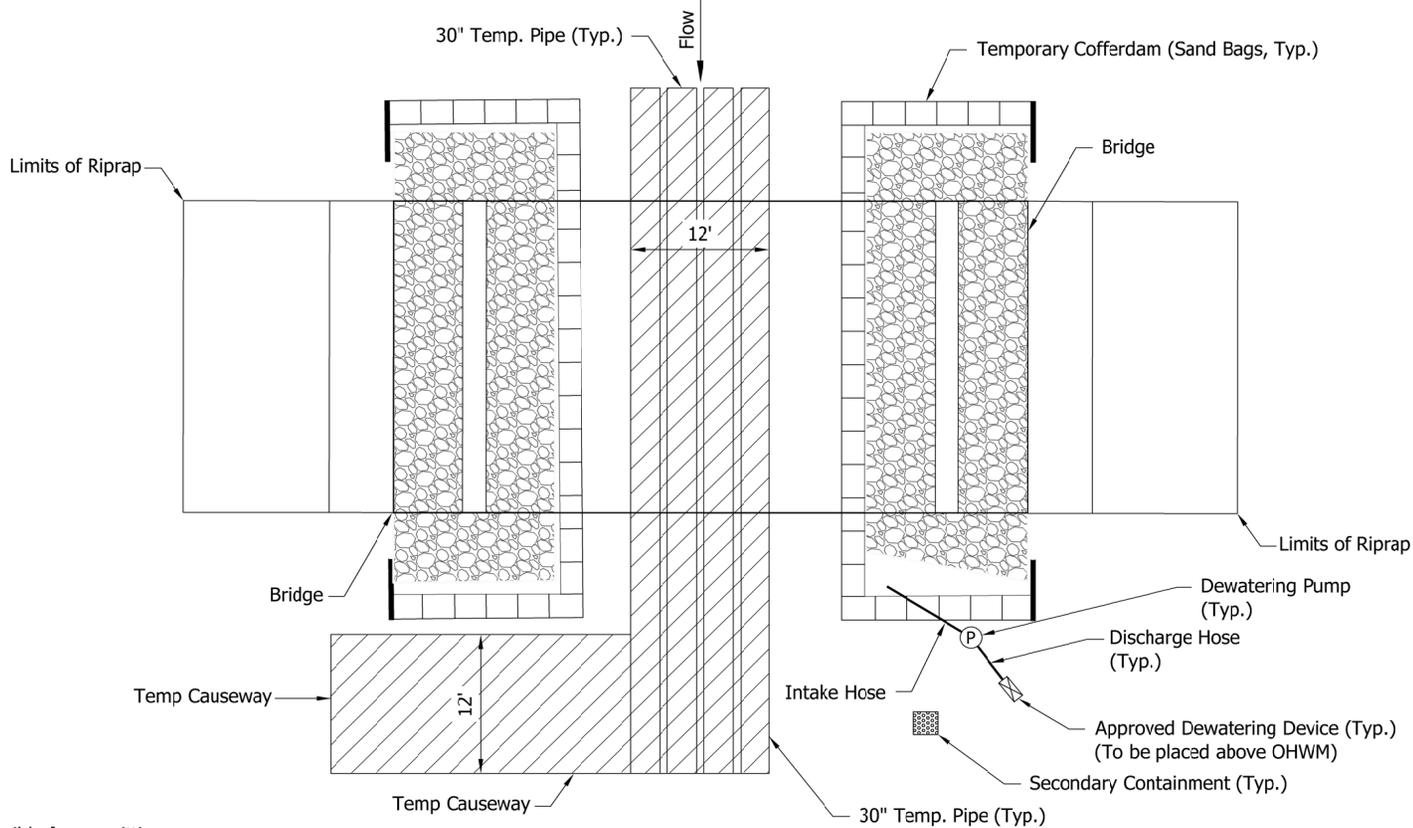
AERIAL LAYOUT



MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

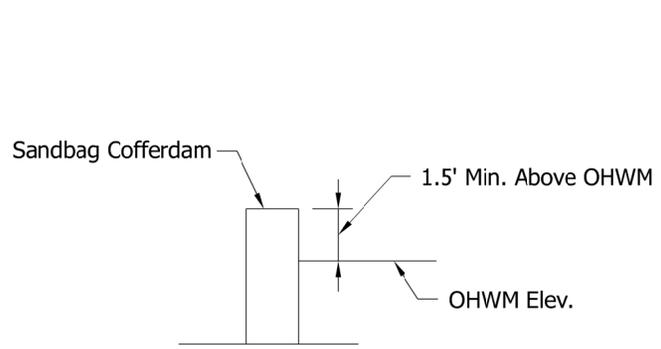
MONTGOMERY COUNTY BRIDGE No. 14
CR 700 E OVER LITTLE POTATO CREEK

ELEVATION

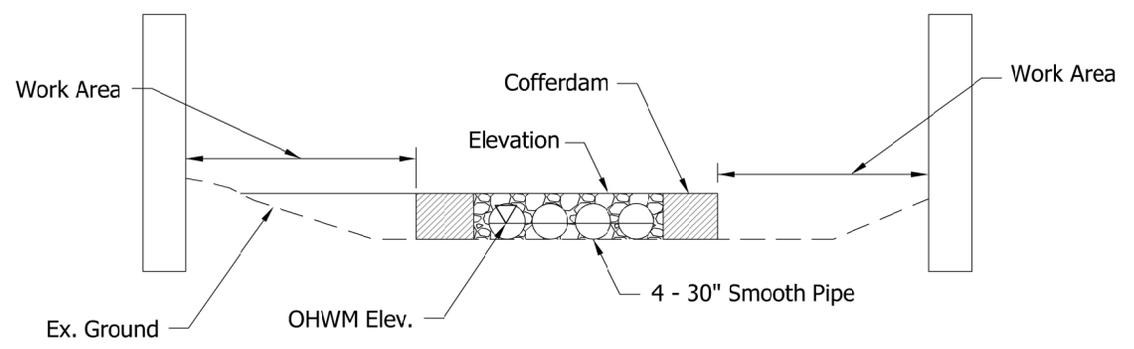


PLAN
Scale: None

NOTE: Contractor is responsible for permitting any tree cleaning to install the riprap and access causeways.



Temporary Cofferdam Section
Scale: None



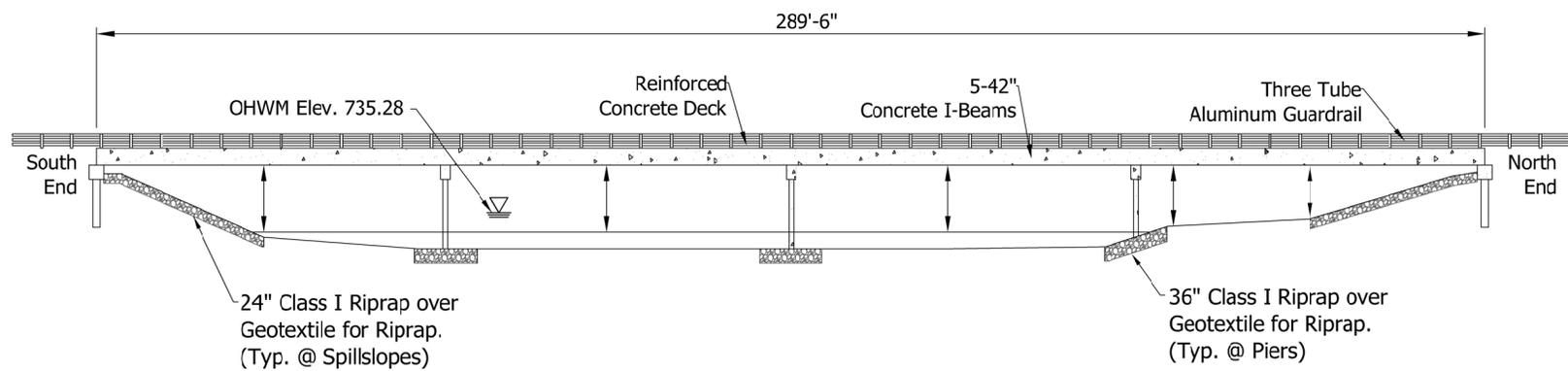
Cross Section Under Bridge
Scale: None



MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

MONTGOMERY COUNTY BRIDGE No. 25
CR 700 E OVER SUGAR CREEK

AERIAL LAYOUT



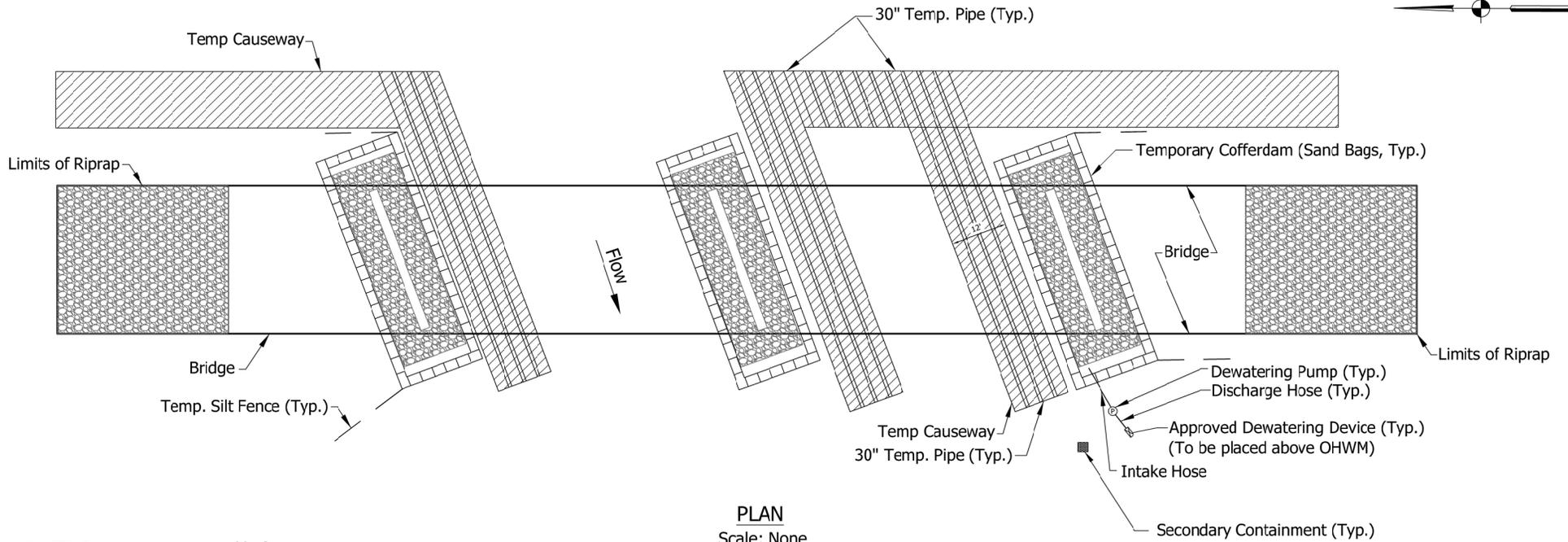
NOTE: Vertical Datum is NAVD88

MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

54

MONTGOMERY COUNTY BRIDGE No. 25
CR 700 E OVER SUGAR CREEK

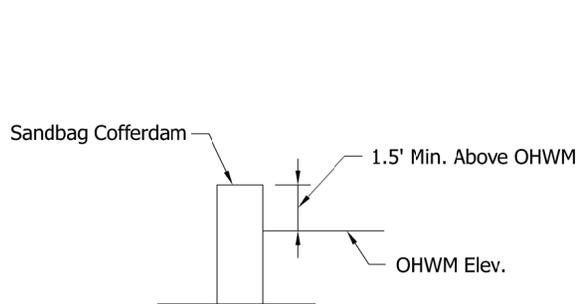
ELEVATION



PLAN

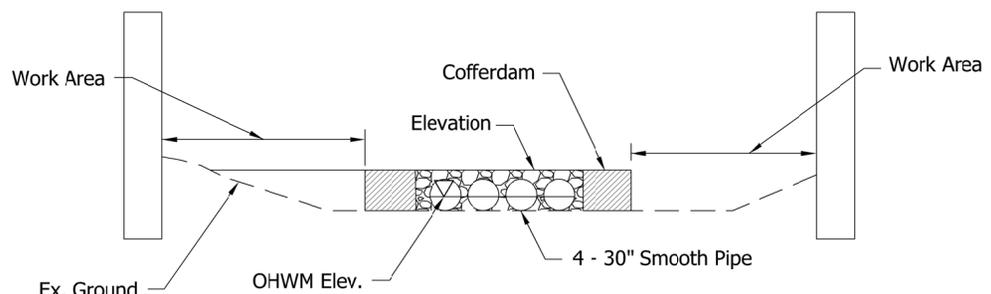
Scale: None

NOTE: Contractor is responsible for permitting any tree cleaning to install the riprap and access causeways.



Temporary Cofferdam Section

Scale: None



Cross Section Under Bridge

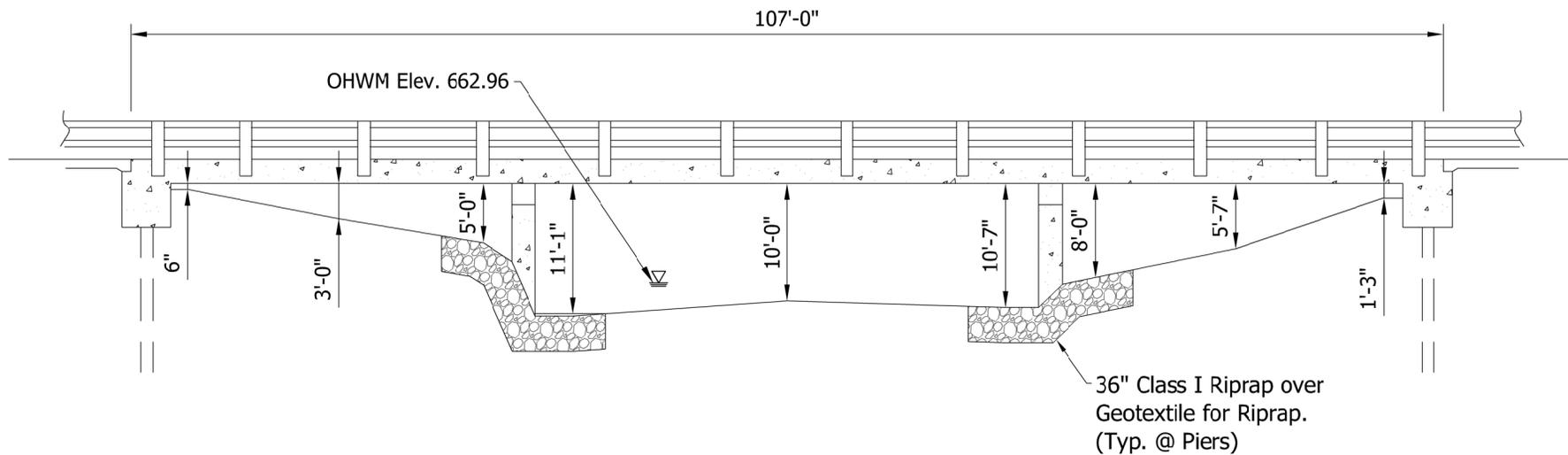
Scale: None



MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

MONTGOMERY COUNTY BRIDGE No. 95
CR 80 N OVER BLACK CREEK

AERIAL LAYOUT

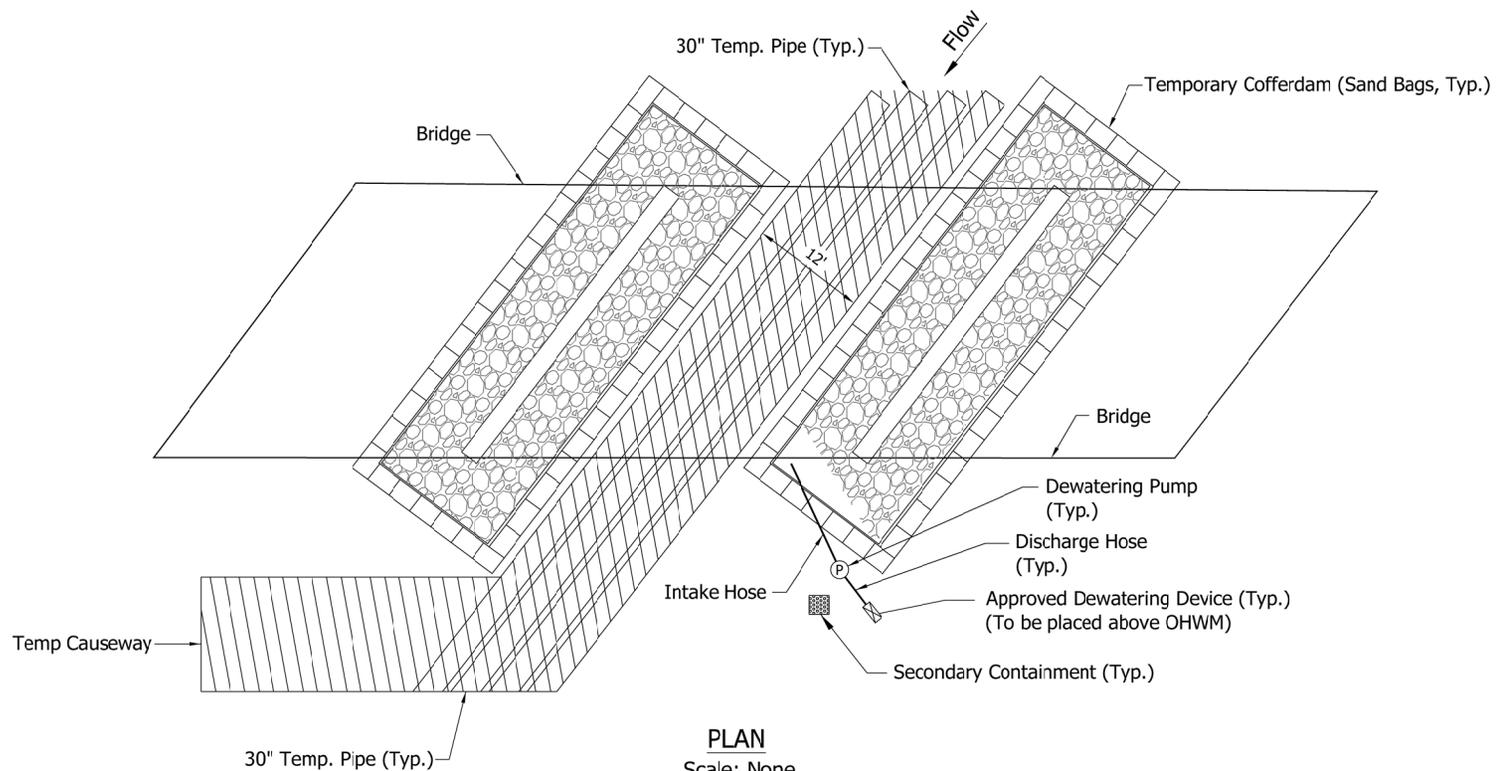


MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

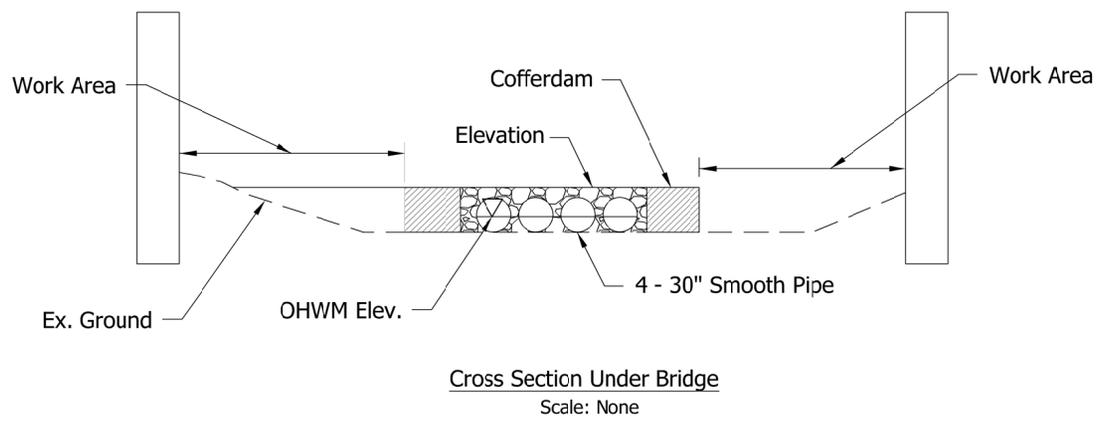
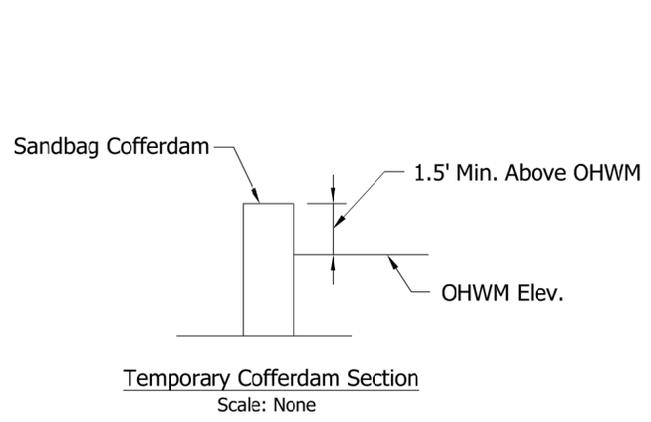
57

MONTGOMERY COUNTY BRIDGE No. 95
CR 80 N OVER BLACK CREEK

ELEVATION



NOTE: Contractor is responsible for permitting any tree cleaning to install the riprap and access causeways.

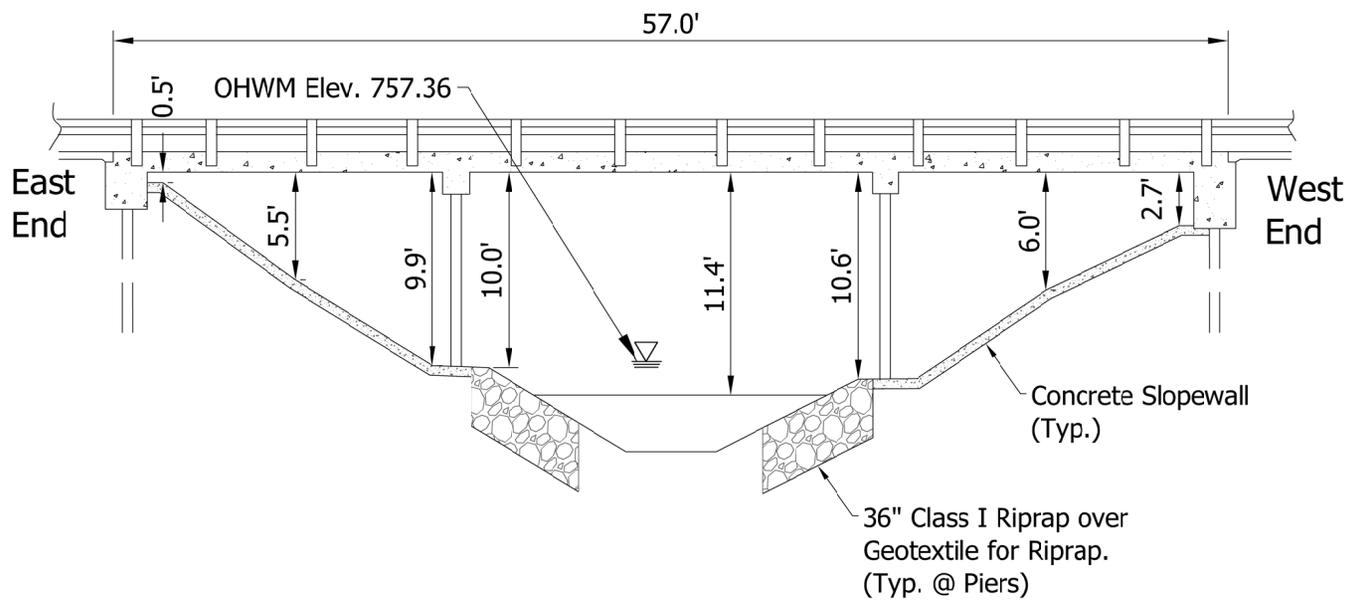




MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

MONTGOMERY COUNTY BRIDGE No. 127
CR 400 S OVER OFFIELD CREEK

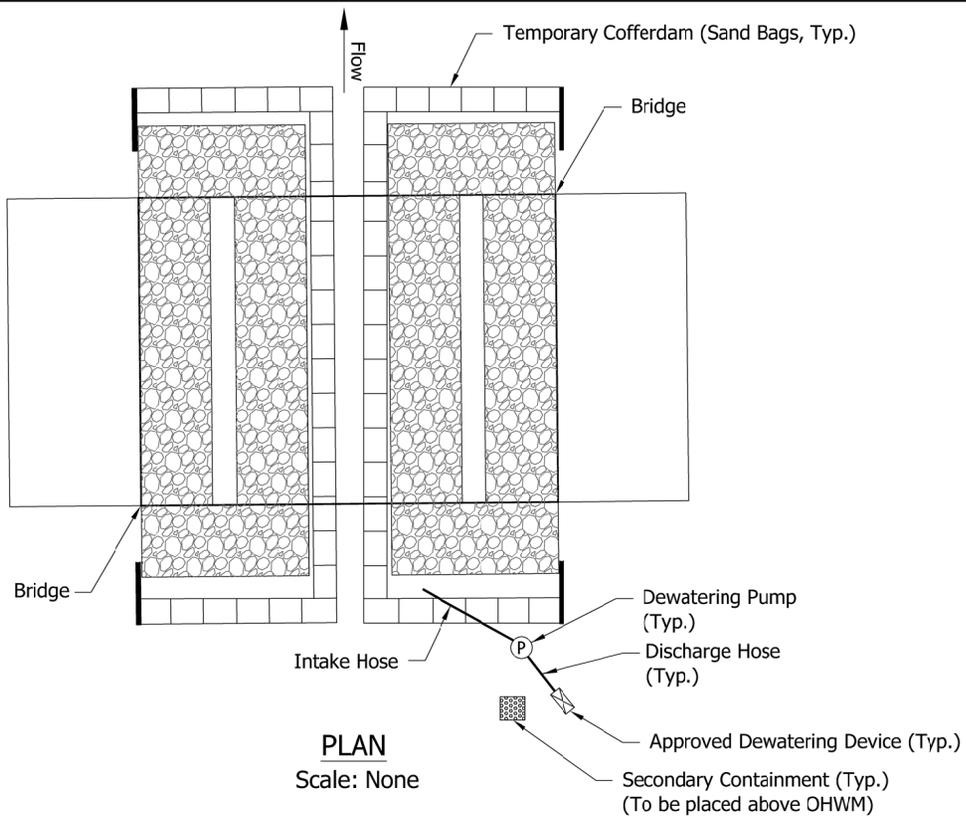
AERIAL LAYOUT



MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

MONTGOMERY COUNTY BRIDGE No. 127
CR 400 S OVER OFFIELD CREEK

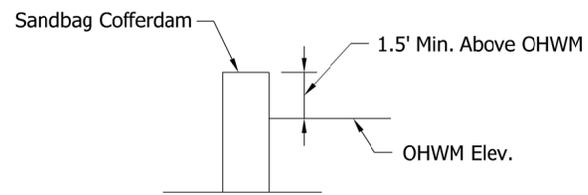
ELEVATION



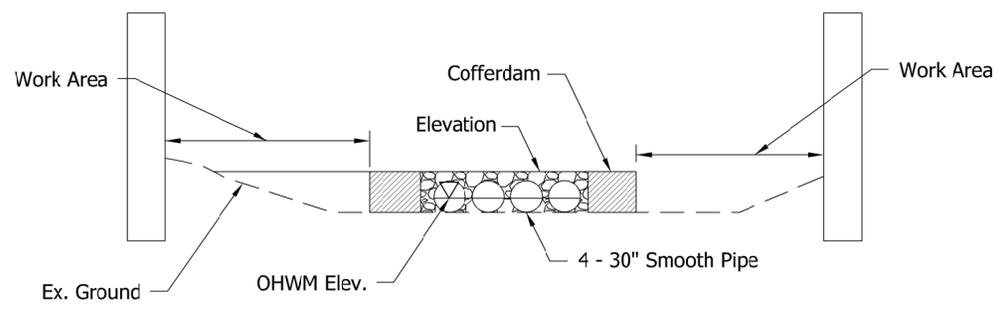
NOTE: In order to not restrict channel flow, cofferdams shall only be in place at one pier at a time.

NOTE: Contractor is responsible for permitting any tree cleaning to install the riprap.

PLAN
Scale: None



Temporary Cofferdam Section
Scale: None



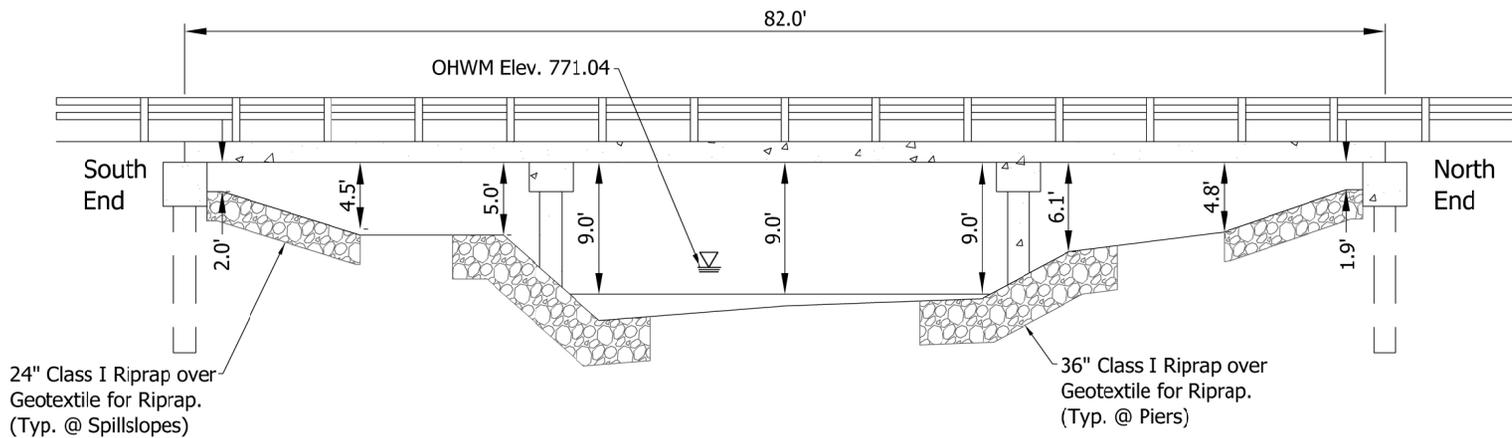
Cross Section Under Bridge
Scale: None



MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

MONTGOMERY COUNTY BRIDGE No. 134
CR 100 E OVER OFFFIELD CREEK

AERIAL LAYOUT

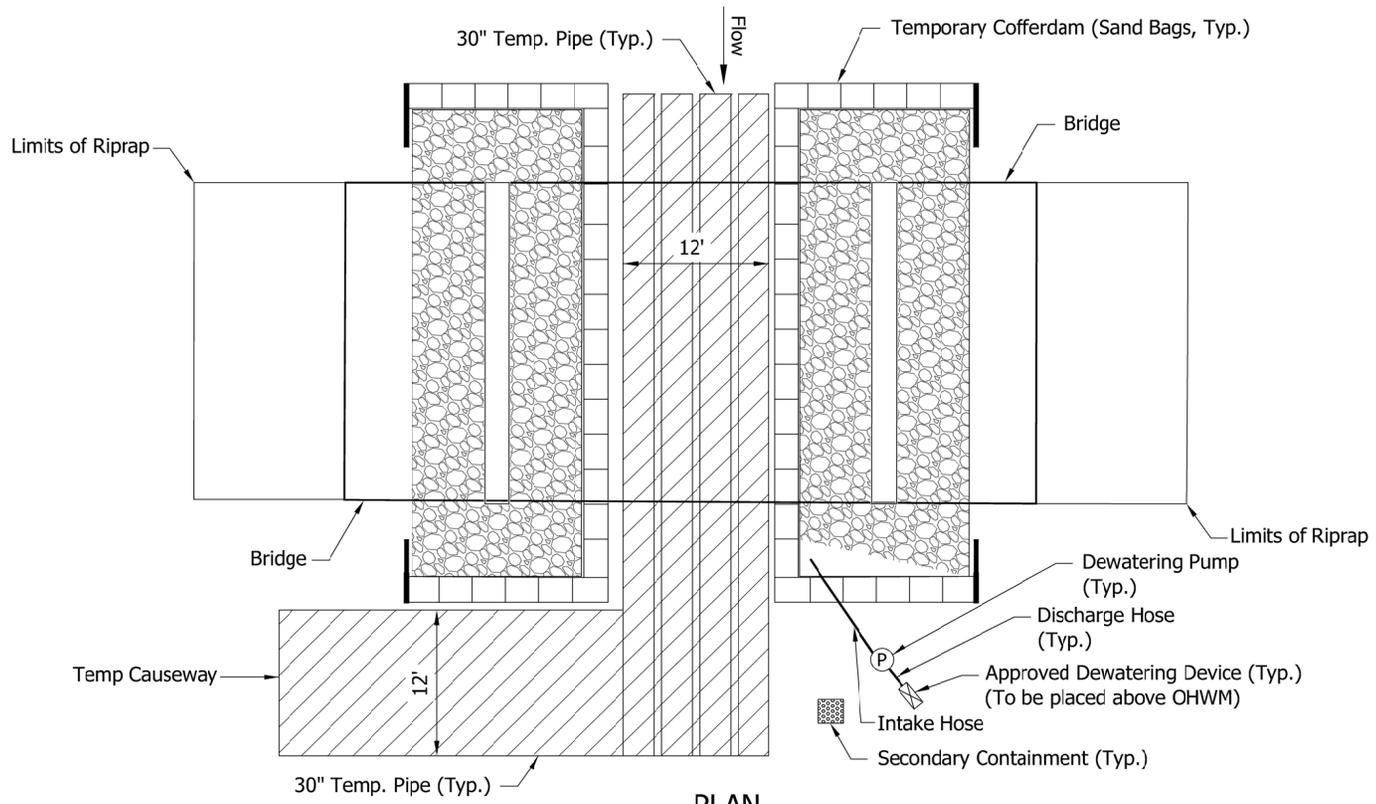


MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

63

MONTGOMERY COUNTY BRIDGE No. 134
CR 100 E OVER OFFIELD CREEK

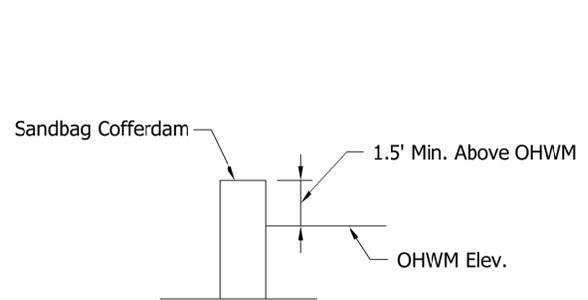
ELEVATION



PLAN

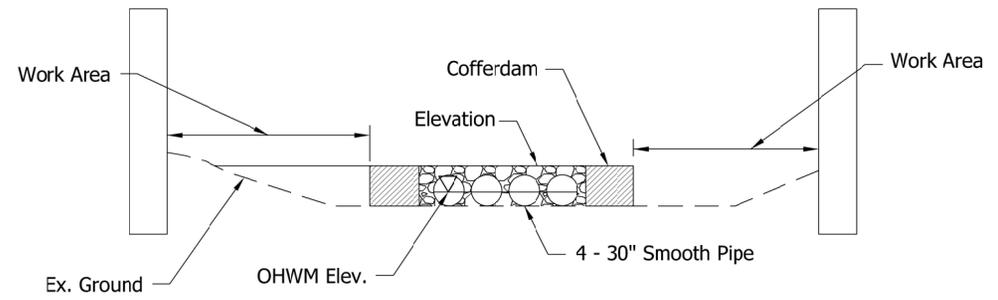
Scale: None

NOTE: Contractor is responsible for permitting any tree cleaning to install the riprap and access causeways.



Temporary Cofferddam Section

Scale: None



Cross Section Under Bridge

Scale: None

**MONTGOMERY COUNTY
HIGHWAY DEPARTMENT**

**MONTGOMERY COUNTY BRIDGE No. 134
CR 100 E OVER OFFIELD CREEK**

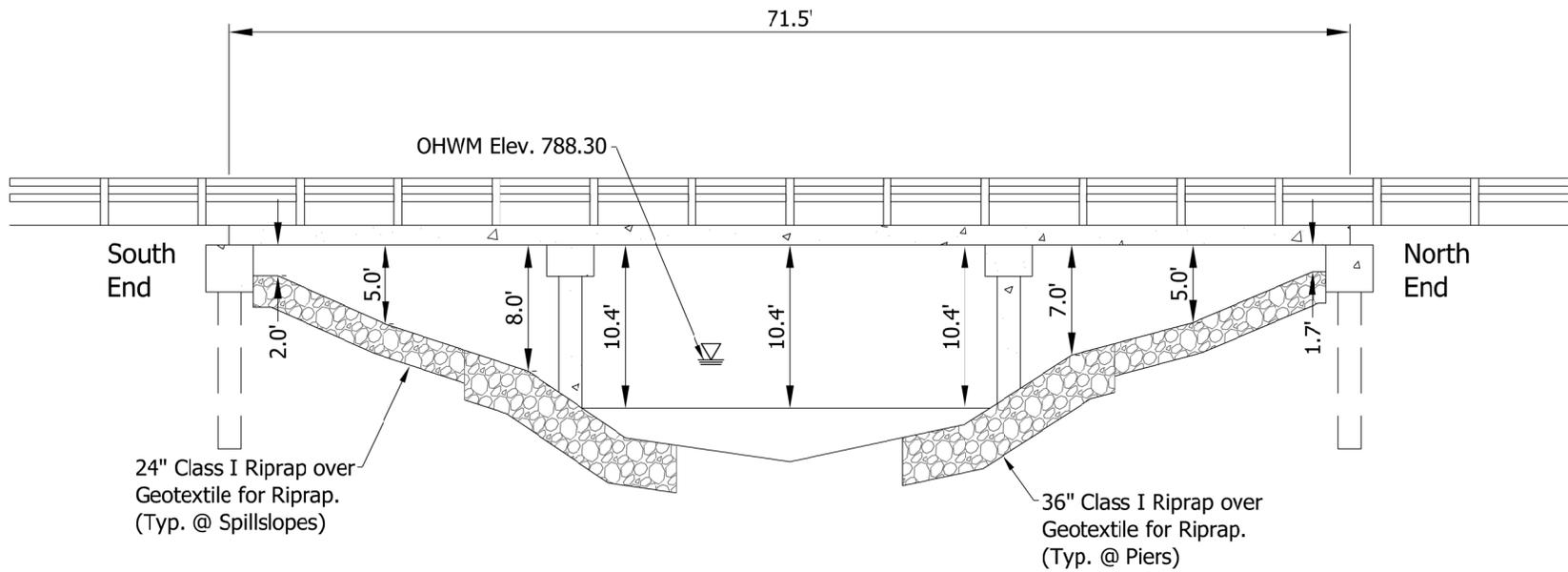
EROSION CONTROL PLAN



MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

MONTGOMERY COUNTY BRIDGE No. 136
CR 200 E OVER OFFFIELD CREEK

AERIAL LAYOUT

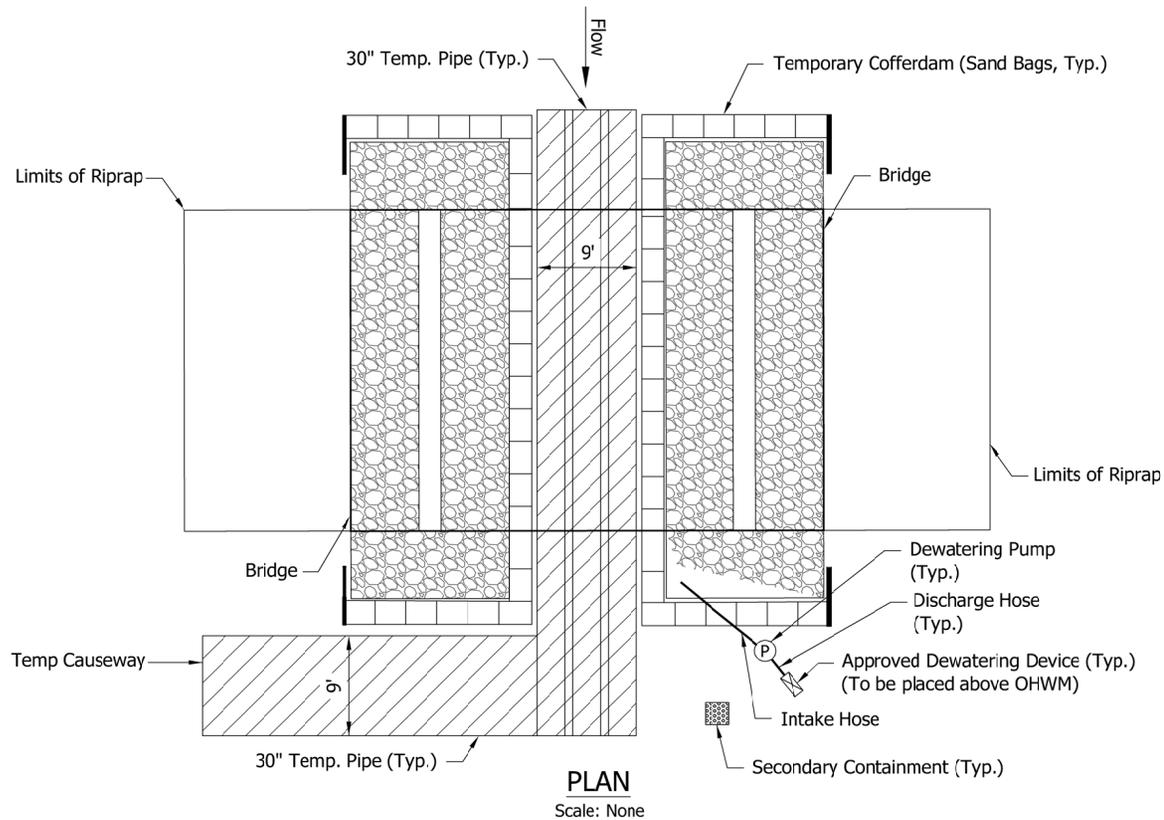


MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

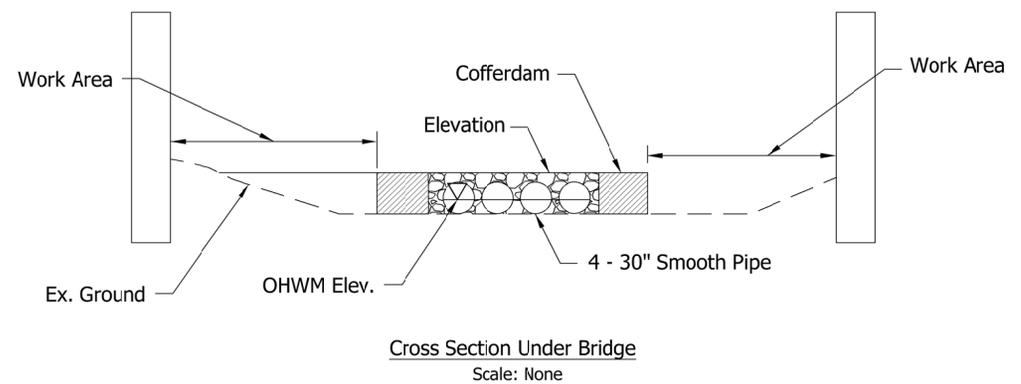
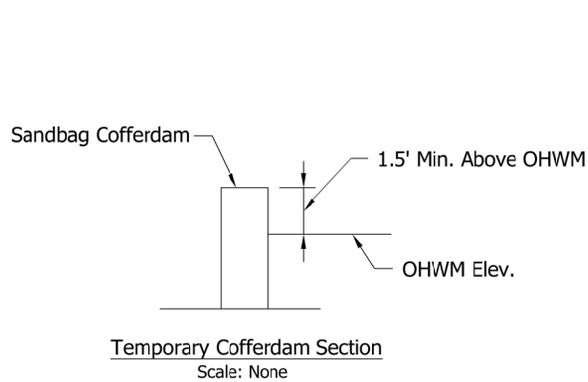
66

MONTGOMERY COUNTY BRIDGE No. 136
CR 200 E OVER OFFIELD CREEK

ELEVATION



NOTE: Contractor is responsible for permitting any tree cleaning to install the riprap and access causeways.





Haw Creek

Hatched Areas
Indicates Class I
Riprap over Geotextile
(Typ. Spillslopes and Piers)

C.R. 550 E.

Project
Limits
91.5'



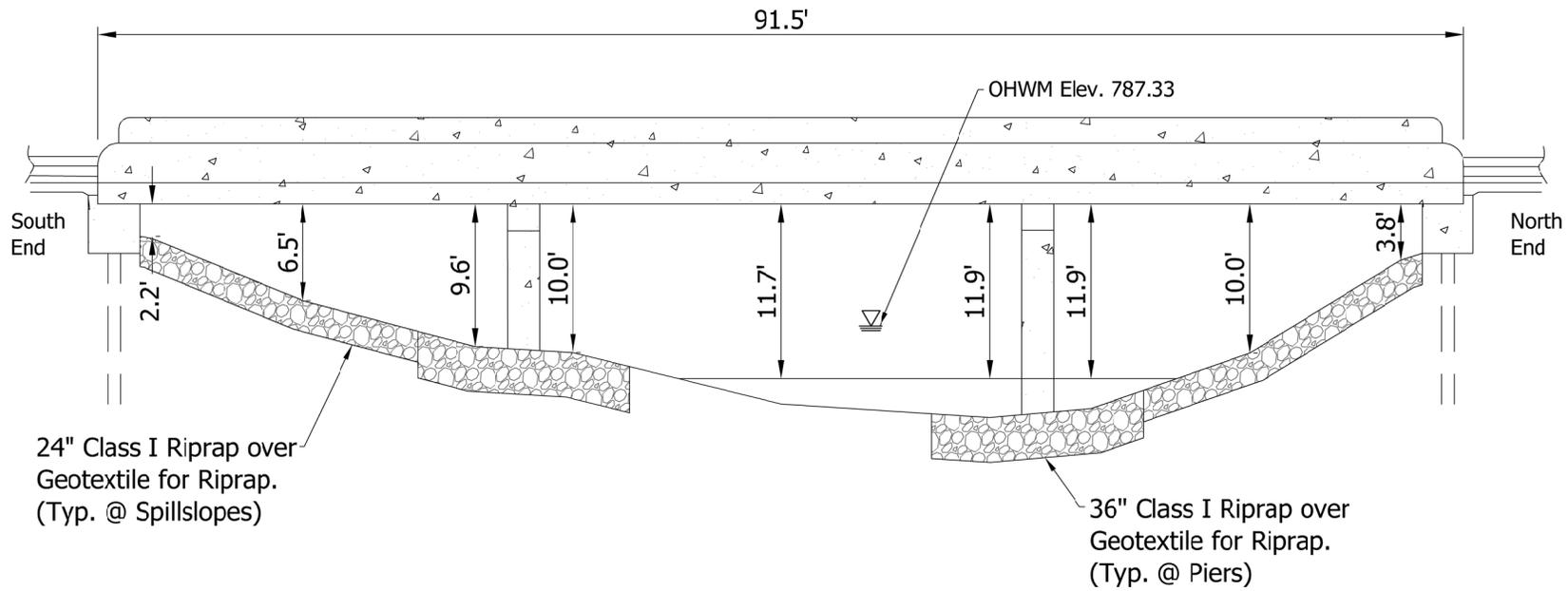
LEGEND:
 Riprap, Class I

NOTE:
See Contract Documents for
Estimated Riprap Quantities

MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

MONTGOMERY COUNTY BRIDGE No. 174
CR 550 E OVER HAW CREEK

AERIAL LAYOUT



LEGEND:

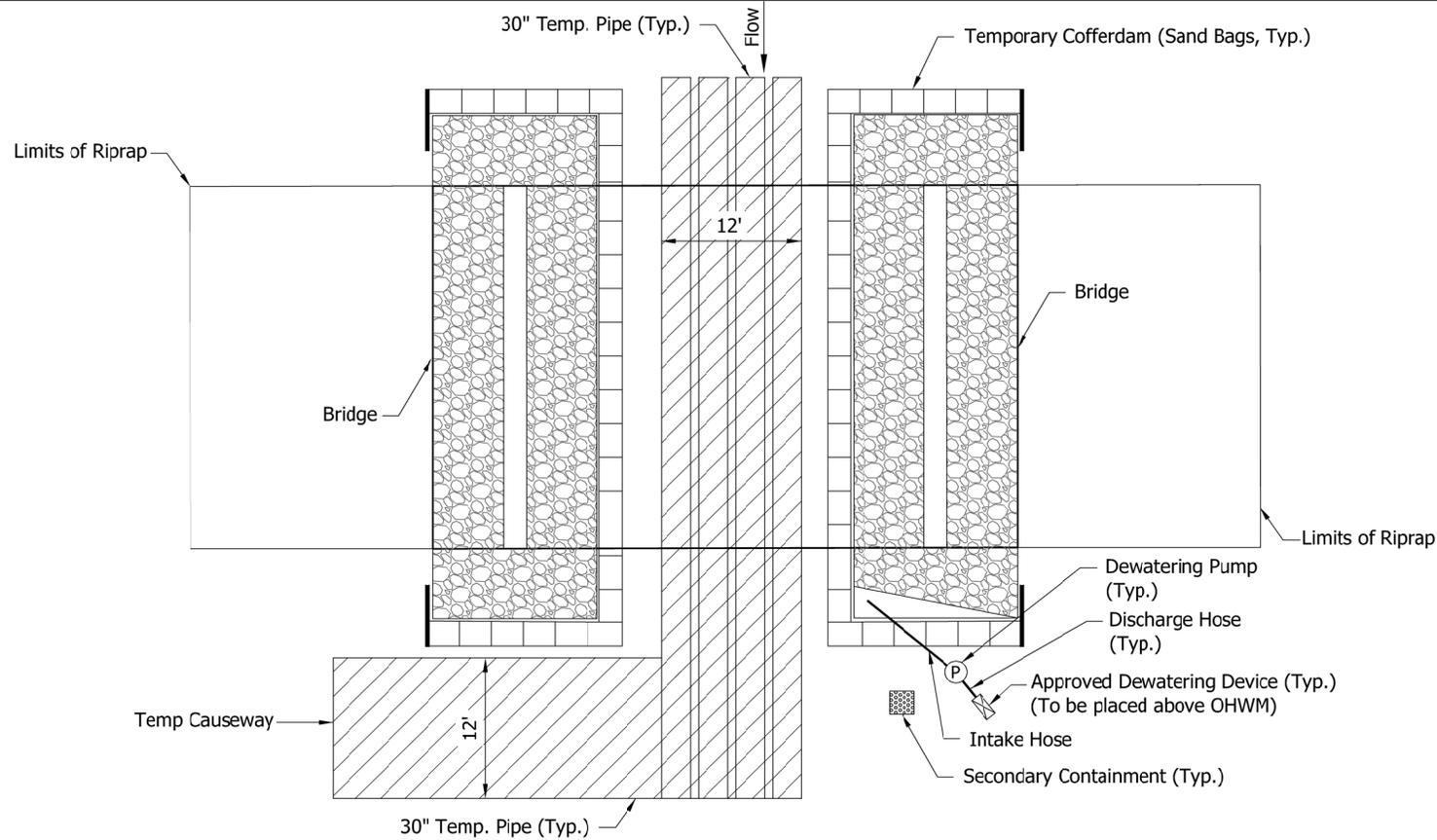


Riprap, Class I

MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

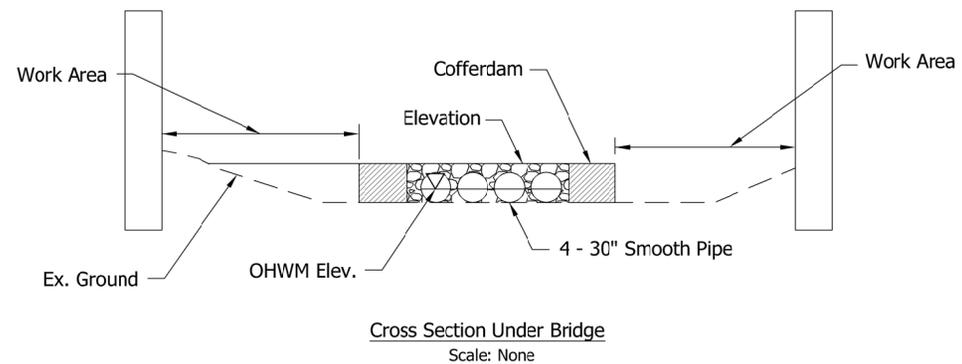
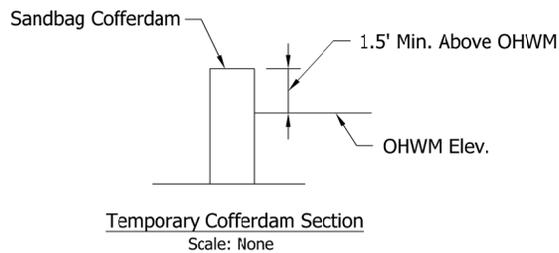
MONTGOMERY COUNTY BRIDGE No. 174
CR 550 E OVER HAW CREEK

ELEVATION



NOTE: Contractor is responsible for permitting any tree cleaning to install the riprap and access causeways.

PLAN
Scale: None



**MONTGOMERY COUNTY
HIGHWAY DEPARTMENT**

**MONTGOMERY COUNTY BRIDGE No. 174
CR 550 E OVER HAW CREEK**

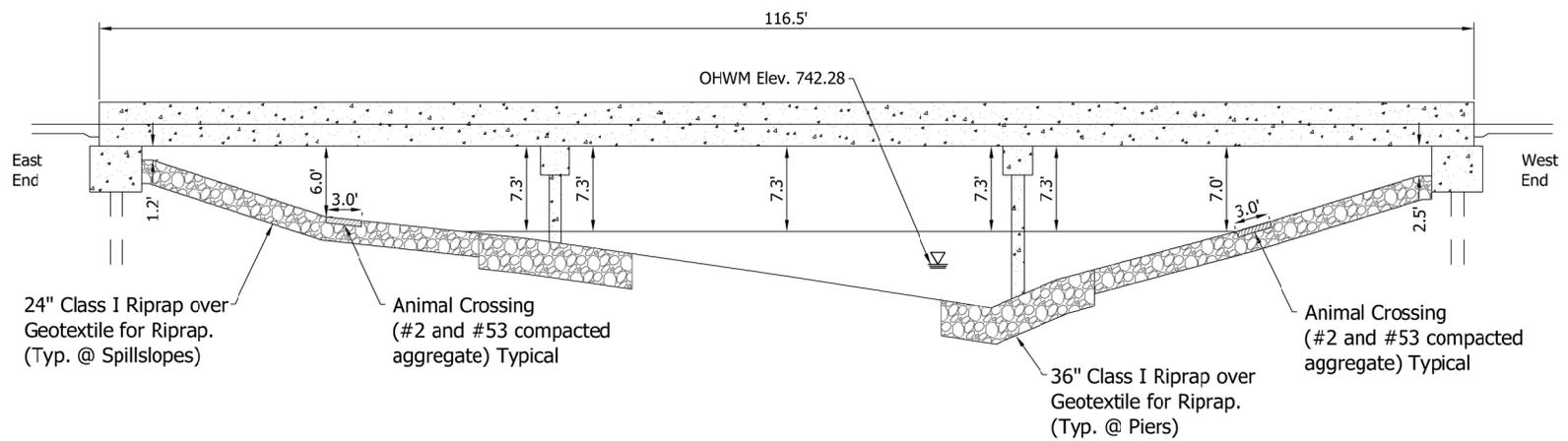
EROSION CONTROL PLAN



MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

MONTGOMERY COUNTY BRIDGE No. 197
CR 1200 S OVER BIG RACCOON CREEK

AERIAL LAYOUT



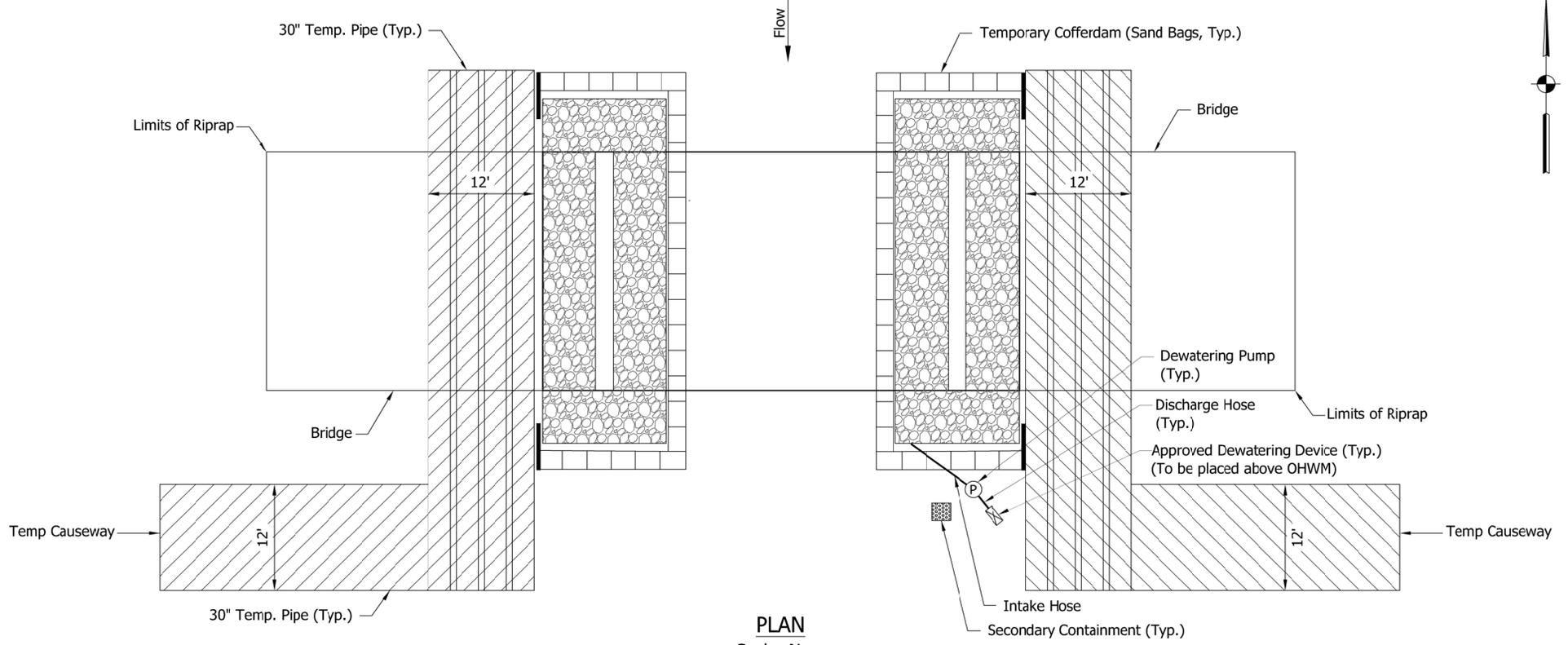
NOTE: Vertical Datum is NAVD88
Scale: 1:16

MONTGOMERY COUNTY
HIGHWAY DEPARTMENT

72

MONTGOMERY COUNTY BRIDGE No. 197
CR 1200 S OVER BIG RACCOON CREEK

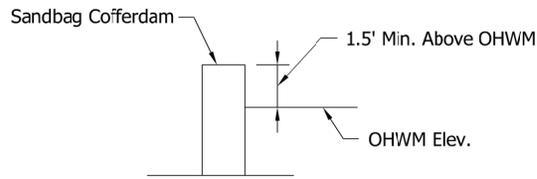
ELEVATION



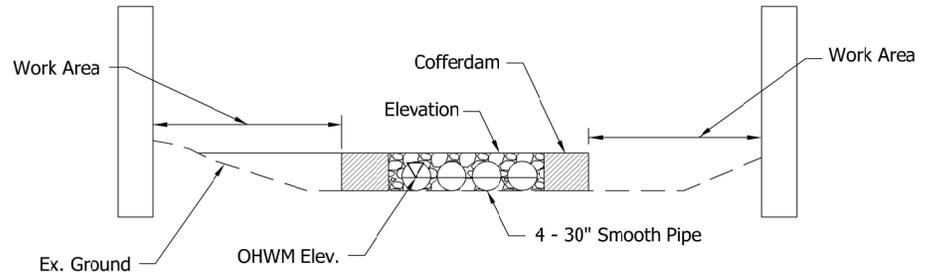
PLAN
Scale: None

NOTE: Contractor is responsible for permitting any tree cleaning to install the riprap and access causeways.

NOTE: In order to not restrict channel flow, cofferdams and causeways shall only be in place at one pier at a time.



Temporary Cofferddam Section
Scale: None



Cross Section Under Bridge
Scale: None

GENERAL PROVISIONS

GP1. CONTRACT DOCUMENTS

The Indiana Department of Transportation, Standard Specifications dated 2024 shall be used in conjunction with these Plans, Contract Forms, General Provisions, Special Provisions, Modifications to the Specifications, Standard Sheets and any addenda which may be issued for this project.

It is the intent of these Contract Documents to describe a functionally complete project to be constructed in accordance therewith. Any work, materials or equipment that may reasonably be inferred will be supplied whether or not specifically called for.

Wherever reference is made to the Indiana Department of Transportation, Director, or Chief Highway Engineer, it shall be interpreted as the Board of County Commissioners of Montgomery County, Indiana.

GP2. OWNER

The Board of County Commissioners of Montgomery County, Indiana.

GP3. ENGINEER

The Montgomery County Highway Engineer or its authorized representative.

GP4. CONTRACTOR

The Firm or Corporation with whom the *OWNER* has entered into the Construction Contract.

GP5. ALTERNATIVES

No alternatives will be considered unless they are specifically requested in writing by the *OWNER*.

GP6. EXAMINATION OF THE PROJECT SITE

Before the bid date, all bidders shall carefully and thoroughly examine the entire site of the proposed work and adjacent premises and the various means of approach and access thereto by means of a site inspection visit, and make all necessary investigations to inform themselves thoroughly as to the facilities necessary for delivering, placing, and operating the necessary construction equipment, and for delivering and handling materials at the site(s), and shall inform themselves thoroughly as to any and all actual or potential difficulties, hindrances, delays, and constraints involved in the commencement, prosecution and completion of the proposed work in accordance with the requirements of this contract. The *CONTRACTOR*, by the execution of the Contract, shall in no way be relieved of any obligation under it, due to his failure to receive or examine any form or legal instrument, or to visit the site(s) and acquaint himself with the

conditions there existing. The *OWNER* will be justified in rejecting any claim based on facts which he should have noticed as a result thereof.

GP7. CONTRACT QUESTIONS

Submit all questions in writing to *UNITED CONSULTING* prior to 4:00 p.m. local time, September 6, 2024 . No questions will be answered by telephone. Questions shall be submitted via email (john.sangiorgio@ucindy.com).

GP8. PUBLIC OPENING OF BIDS

Bids will be opened publicly and read aloud at 8:00 a.m. local time, September 9, 2024, at the Montgomery County Commissioner's Meeting. Bidders, or their authorized agents, are invited to be present. Any Bids received after 8:00 a.m. local time, September 9, 2024, will be returned to the bidder unopened.

GP9. AWARD OF CONTRACT

The *OWNER* reserves the right to reject any or all bids or to waive any informalities and to accept the bid which it deems most favorable to the interest of the *OWNER* after all bids have been examined and scrutinized.

GP10. NOTICE TO PROCEED

The *CONTRACTOR* shall start to perform the work on the date designated in the written Notice to Proceed.

GP11. PRECONSTRUCTION CONFERENCE

Before the *CONTRACTOR* is issued a Notice to Proceed, a conference attended by the *OWNER*, *ENGINEER*, *CONTRACTOR* and others as appropriate will be held. The purpose of this conference will be to discuss procedures for making submittals, processing applications for payment, and to establish other procedures and understandings bearing upon coordination and performance of the work.

GP12. PROGRESS SCHEDULE

Within ten days after the date of the Notice to Proceed, the *CONTRACTOR* shall submit to the *ENGINEER* for review a proposed schedule indicating the starting and completion dates of the various stages of the work to be performed under this contract. The *ENGINEER* shall review the proposed schedule to determine conformity with the contract and will make recommendations to the *OWNER* concerning approval thereof; however the review, approval or other action taken by the *ENGINEER* or *OWNER* in respect of such schedules shall not relieve the *CONTRACTOR* of its obligations to perform the work within the contract schedule. *CONTRACTOR shall have a monthly progress meeting with the OWNER.*

GP13. SUPERVISION

The *CONTRACTOR* shall supervise and direct the work completely and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the work in accordance with the Contract Documents.

GP14. RESIDENT SUPERINTENDENT

The *CONTRACTOR* shall keep on the work site at all times during its progress, a competent resident superintendent, who shall not be replaced without written notice to the *ENGINEER* except under extraordinary circumstances. The superintendent will be the *CONTRACTOR'S* representative at the site and shall have authority to act on behalf of the *CONTRACTOR*. All communications given to the superintendent shall be as binding as if given to the *CONTRACTOR*.

GP15. PROJECT STAFFING

The *CONTRACTOR* shall provide competent, suitably qualified personnel to survey and lay out the work and perform construction as required by the Contract Documents. The *CONTRACTOR* shall at all times maintain good discipline and order at the site(s).

GP16. NOTIFICATION OF WORK SCHEDULE

The *CONTRACTOR* shall provide a listing of the next work day's work activities by 12:00 p.m. of that day's work for the *ENGINEER'S* scheduling and inspection. All work scheduled for Monday shall be provided on Friday of the preceding week.

Failure to provide such notice within the specified time may result in non-acceptance for any material placed that day.

GP17. PROJECT RESPONSIBILITY

Unless otherwise specified in the Contract Documents, the *CONTRACTOR* shall furnish and assume full responsibility for all materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, and sanitary facilities and all other facilities and incidentals necessary for the furnishing, performance, start-up, and completion of the work.

GP18. STANDARDS OF QUALITY

All materials and equipment shall be of good quality and new, except as otherwise provided in the Contract Documents. All warranties and guarantees specifically called for in the Contract Documents shall expressly run for the benefit of the *OWNER*. If requested by the *ENGINEER*, the *CONTRACTOR* shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

GP19. SANITATION

The *CONTRACTOR* shall introduce and enforce among this employees such regulations in regard to cleanliness and the disposal of garbage and waste shall comply with local ordinances. The *CONTRACTOR* shall take such means as the *OWNER* may direct to effectually prevent the creation of a nuisance on the work or any part of the property of the *OWNER*. The *CONTRACTOR* shall construct toilets and maintain them in sanitary condition, properly secluded from public observation, at such points as shall be approved. Under no circumstances shall the *CONTRACTOR* create or maintain a nuisance.

GP20. WARRANTY OF WORK

The *CONTRACTOR* warrants and guarantees to the *OWNER* that all work will be performed, supplied, furnished and installed, and that the work will perform in strict accordance with the Contract Documents and will not be defective. Notice of all work determined or suspected to be defective or not in conformity with the Contract Documents shall be given to the *CONTRACTOR* within reasonable time after observance thereof.

GP21. INSPECTION OF WORK

The *ENGINEER* and his representatives shall at all times have access to the work wherever it is in preparation or progress and the *CONTRACTOR* shall provide proper facilities for such access and for inspection.

If the specifications, the *ENGINEER*'s instructions, laws, ordinances or any public authority require any work to be specially tested or approved, the *CONTRACTOR* shall give the *ENGINEER* timely notice of its readiness for inspection and, if the inspection is by an authority other than the *ENGINEER*, the date fixed for such inspection. If any work should be covered up without the approval or consent of the *ENGINEER*, it must, if required by the *ENGINEER*, be uncovered for examination at the *CONTRACTOR'S* expense.

Re-examination of questioned work may be ordered by the *ENGINEER* and if so ordered the work must be uncovered by the *CONTRACTOR*. If such work is found to be in accordance with the Contract Documents, the *OWNER* shall pay the cost of the re-examination and replacement. If such work is not found to be in accordance with the Contract Documents, the *CONTRACTOR* shall pay the cost.

GP22. CHANGES IN THE WORK

The *OWNER*, without invalidating the Contract, may order extra work or make changes by altering, adding to or deducting from the work, the Contract Sum being adjusted accordingly. All such work shall be executed under the conditions of the original contract except that any claim for extension of time caused thereby shall be adjusted at the time of ordering such change.

In giving instructions, the *ENGINEER* shall have authority to make minor changes in the work, not involving extra cost, and not inconsistent with the purposes of the work, but otherwise, except in an emergency endangering life or property, no extra work or change shall be made

unless in pursuance of a written order from the *OWNER* signed or countersigned by the *ENGINEER*, or a written order from the *ENGINEER* stating that the *OWNER* has authorized the extra work or change, and no claim for an addition to the contract sum shall be valid unless so ordered. The value of any such extra work or change shall be determined in one or more of the following ways:

- (a) By estimate and acceptance in a lump sum
- (b) By unit prices named in the contract or subsequently agreed upon
- (c) By cost and percentage or by cost and a fixed fee

If none of the above methods is agreed upon, the *CONTRACTOR*, provided he receives an order as above, shall proceed with the work. In such case and also under case (c), he shall keep and present in such form as the Engineer may direct, a correct account of the cost, together with vouchers. In any case, the Engineer shall certify to the amount including reasonable allowance for overhead and profit, due to the *CONTRACTOR*. Pending final determination of value, payments on account of changes shall be made on the Engineer's certificate.

Should conditions encountered below the surface of the ground be at variance with the conditions indicated by the drawings and specifications, the contract sum shall be equitably adjusted upon claim by either party made within a reasonable time after the first observance of the conditions.

GP23. DELETION OF WORK

The *OWNER* has the right to delete any items that are a part of this contract.

GP24. DELAY AND EXTENSION OF TIME

If the *CONTRACTOR* should be delayed at any time in the progress of the work by any act or neglect of the *OWNER* or the *ENGINEER*, or of any employee of either, or by any separate *CONTRACTOR* employed by the *OWNER*, or by changes ordered in the work, or by strikes, lockouts, fire, unusual delay in transportation, unavoidable casualties or any causes beyond the *CONTRACTOR*'s control, or by delay authorized by the *ENGINEER* pending arbitration, or by any cause which the *ENGINEER* shall decide to justify the delay, then the time of completion shall be extended for such reasonable time as the *ENGINEER* may decide.

No such extension shall be made for delay occurring more than seven days before claim therefore is made in writing to the Engineer. In the case of continuing cause of delay, only one claim is necessary.

GP25. HOLIDAYS THAT WORK IS NOT PERMITTED

The *CONTRACTOR* may not perform work on this project on the following days:

- 1) Sundays
- 2) New Years Eve and New Years Day
- 3) Memorial Day
- 4) Independence Day

- 5) Labor Day
- 6) Thanksgiving Day and the day after Thanksgiving
- 7) Christmas Eve and Christmas Day

GP26. PERMITS

Unless otherwise provided elsewhere in the Contract Documents, the *CONTRACTOR* shall obtain and pay for all construction permits and licenses.

GP27. UTILITIES

The *CONTRACTOR* shall be responsible for contacting and coordinating with all utilities affected by these project. The utilities shall be contacted prior to the pre-construction meeting, and informed of the date and location of this meeting. Contract working days will be charged unless the *CONTRACTOR* can show written evidence that he is making every possible effort on his part to get the utility work completed.

GP28. NON-DISCRIMINATION

In compliance with the Acts of Indiana General Assembly, 1933, Chapter 270, the *CONTRACTOR* hereby agrees:

That with respect to hire, tenure, terms, conditions, or privileges of employment of employees for the performance of work under this Contract or any Subcontract hereunder, no *CONTRACTOR*, Subcontractor, nor any person acting on behalf of such *CONTRACTOR* or subcontractor shall, by reason of race, color, religion, sex, national origin, or ancestry discriminate against any citizen qualified to do work to which the employment relates;

That no *CONTRACTOR*, Subcontractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee hired for the performance or work under this Contract on account of race, color, religion, sex, national origin, or ancestry;

That this Contract may be canceled or terminated by the *OWNER*, and all money due or to become due hereunder may be forfeited for a violation of the terms or conditions of this section of the Contract.

GP29. INSURANCE

***CONTRACTOR'S* Liability Insurance**

The *CONTRACTOR* shall maintain such insurance as well as protect himself from claims under Workmen's Compensation Acts and other employee benefit acts; from claims for damages because of bodily injury, including death, to his employees and all others; and from claims for damages to property, any or all of which may arise out of or result from the *CONTRACTOR'S* operation under the contract, whether such operation be by himself or by any subcontractor, or anyone directly or indirectly employed by either of them. This insurance shall be written for not less than any limits of liability specified herein.

CONTRACTOR'S Insurance

The types and minimum amount of insurance to be provided for by the *CONTRACTOR* shall be as follows:

A) Workmen's Compensation and Occupational Disease Insurance

The *CONTRACTOR* shall provide Workmen's Compensation and Occupational Disease Insurance as required by law. Such policy shall specifically include coverage for the State of Indiana, and such adjoining states as required by the *CONTRACTOR'S* operations.

B) Employer's Liability Insurance

The *CONTRACTOR* shall provide Employer's Liability with minimum limits as follows:

\$100,000 bodily injury by accident, each accident;
\$100,000 bodily injury by disease, each employee;
\$100,000 bodily injury by disease, policy limit.

C) Comprehensive General Liability Insurance

The *CONTRACTOR* shall maintain a Comprehensive General Liability form of Insurance with a combined single limit for bodily injury and property damage of not less than \$1,000,000 each occurrence, \$2,000,000 annual aggregate. The insurance policy shall include the following:

1. Premises Operations: The policy shall include coverage for the following special hazards when applicable to the project.
 - a. Property damage arising out of blasting or explosion.
 - b. Property damage arising out of collapse of or structural injury to any building or structure due to grading of land, excavation, burrowing, filling, backfilling, tunneling, pile driving, cofferdam work or caisson work or moving, shoring, underpinning, raising or demolition of any building or structure or rebuilding of any structural support thereof.
 - c. Injury to or destruction of wires, conduits, pipes, mains, sewers and other similar property of any apparatus in connection therewith below the surface of ground, if caused by the use of mechanical equipment.
2. Contractual (Broad Form Indemnification): The *CONTRACTOR* agrees to indemnify and save harmless the *OWNER*, his agents and employees, from and against all loss or expense (including costs and attorneys' fees) by reason of liability imposed by law upon the *OWNER* for damages because of bodily injury, including death, at any time resulting there from sustained by any person or persons or on account of damage to property is due or claimed to be due to negligence of the *CONTRACTOR*, his subcontractors, employees or agents.
3. *CONTRACTOR'S Protective*: The *CONTRACTOR* shall maintain this type of

coverage on a "Blanket" basis to cover the operations of any subcontractors.

D) Automotive Liability Insurance

The *CONTRACTOR* shall maintain Comprehensive Automobile Liability Insurance policy with a combined single limit of not less than \$500,000. This coverage may be provided either as a separate policy or as part of the comprehensive liability policy described above. The automobile insurance must include coverage for all owned, non-owned, and hired vehicles.

E) Furnish Indiana State Forms No. 19 (Workmen's Compensation) and No. 105 (Occupational Disease Act).

F) Umbrella Insurance

The *CONTRACTOR* shall maintain an umbrella policy with limits of not less than \$1,000,000 per occurrence, \$1,000,000 aggregate in addition to their primary insurance.

GP30. ADDITIONAL INSURED

CONTRACTOR shall submit a "Certificate of Insurance" indicating the above necessary coverage as well as naming *OWNER*, its employees and representatives and *ENGINEER* as "Additional Insured" on all policies except Worker's Compensation.

GP31. PROOF OF INSURANCE

CONTRACTOR shall not commence work until he has obtained all insurance specified herein, has filed with the *OWNER* one (1) copy of Certificate of Insurance, and such insurance has been approved by the *OWNER*.

Should any coverage approach expiration during the Contract period, it shall be renewed prior to its expiration, and certificate again filed with the *OWNER*. If any of such policies are canceled or are changed so as to reduce the coverage evidenced by the Certificate, at least ten (10) days prior written notice by registered mail of such cancellation or change shall be sent to the *OWNER*.

All insurance provided for under this Section shall be written by Insurance Companies licensed to do business in Indiana and countersigned by registered Indiana agent. The insurance company shall file with the *OWNER*, one (1) copy of Affirmation of Authority, on the form furnished by the *OWNER*, as verification of the resident agent.

All insurance shall be maintained in full force and effect until the Contract has been fully and completely performed.

GP31. PARTIAL PAYMENTS

Partial payments will be made once each month as the work progresses. Said payments will be based upon estimates prepared by the *CONTRACTOR* using the provided FORM 8049 and a

County Claim Voucher and approved by the *ENGINEER* for the value of the work performed and materials complete in place in accordance with the contract, plans and specification. No partial payment will be made when the amount due the *CONTRACTOR* since the last estimate amounts to less than Five Hundred Dollars. From the total of the amount determined to be payable on a partial payment, ten percent of such total amount will be deducted and retained by the County until the final completion and acceptance of the work.

GP32. FINAL PAYMENT

When the contract work has been completed in an acceptable manner in accordance with the terms of the contract, the *CONTRACTOR* will prepare a final estimate for the work and will furnish the *ENGINEER* with a copy thereof. Before final payment of the contract, the *CONTRACTOR* shall furnish the provided Affidavit and Waiver of Lien from all subcontractors, material suppliers and equipment suppliers used in the prosecution the work. Final payment will not be made until a final inspection has been made, the work has been accepted by the County and has met the requirements of Section 109.08 of the Indiana Department of Transportation Standard Specifications. The *ENGINEER*, acting for the Board of County Commissioners, will then certify to the County Auditor the balance due the *CONTRACTOR*, and said certificate will be deemed an acceptance of the completed contract by the *OWNER*.

SPECIAL PROVISIONS

SP1. CONTRACT TIME

The schedule for the completion of the work included in this contract including incidentals and clean-up, shall be governed on a *Calendar Day Basis*.

The number of Calendar Days allowed for completion of Bridges 9, 14, 25, 95, 127, 134, 136, 174, and 197 shall be **(60) Calendar Days after issuance of Notice to Proceed**.

The **CONTRACTOR** shall limit the time that the road is closed to traffic to a maximum of **(60) calendar days** without written approval of an extension to this time from the **OWNER**.

SP2. UTILITY INFORMATION

All applicable sections of 105.06 and 107.18 shall apply except as amended elsewhere within the contract documents and as follows:

Coordination with any applicable utility is the sole responsibility of the **CONTRACTOR**.

The following is provided for information purposes only. The **CONTRACTOR** shall be responsible to contact the following personnel or company to coordinate his work prior to the commencement of any construction activities.

Bridge 9:

Tri-County Telephone Co., Inc	Mr. Bill Miller	(765) 339-3533	William.miller@tdsrelecom.com
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Bridge 14:

AT&T Distribution	Mr. David Blackwell	(216) 543-0256	g09871@att.com
Charter Communications Marion	Mr. Dan Bielaczyc	(231) 941-3819	Dan.bielaczyc@charter.com
Tipmont REMC Fiber	Mr. Joe Kline	(765) 426-6170	jkline@tipmont.org
Tri-County Telephone Co., Inc	Mr. Bill Miller	(765) 339-3533	William.miller@tdsrelecom.com

Bridge 25:

AT&T Distribution	Mr. David Blackwell	(216) 543-0256	g09871@att.com
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Bridge 95:

AT&T	David Blackwell	(216) 543-0256	g09871@att.com
Crawfordsville Electric Light & Power	Mr. Randy Hendrickson	(765) 307-2794	rhendrickson@celp.com
Tipmont REMC	Mr. Joe Kline	(765) 426-6170	jkline@tipmont.org

Bridge 127:

AT&T Distribution	Mr. David Blackwell	(216) 543-0256	g09871@att.com
Charter Communications Marion	Mr. Dan Bielaczyc	(231) 941-3819	Dan.bielaczyc@charter.com
Duke Energy	Mr. Don McDuffy	(317) 776-5320	Dei-dline-coord@duke- energy.com
Duke Energy Telecom	Mr. Chris Gee	(513) 287-1105	dukefibermw@duke-energy.com

Bridge 134:

AT&T Distribution	Mr. David Blackwell	(216) 543-0256	g09871@att.com
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Bridge 136:

AT&T Distribution	Mr. David Blackwell	(216) 543-0256	g09871@att.com
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Bridge 174:

AT&T	David Blackwell	(216) 543-0256	g09871@att.com
Endeavor Communications Communications Corporation	Mr. Jason Lotz Mr. Jeff Stanley	(765) 795-5554 (765) 522-0113	jlotz@weendeavor.com Jeff.stanley@tdstelecom.com
Duke Energy	Mr. Don McDuffy	(317) 776-5320	Dei-dline-coord@duke- energy.com
Hendricks Power Cooperative	Mr. Jason Stewart	(317) 745-5473	jstewart@hendrickspower.com
MCI Communications	Mr. Dennis Rolland Craig	(317) 498-1242	dennis.craig@verizon.com
Roachdale Municipal Utility	Mr. Derick Wiggins	(812) 295-2800	dwiggin@midwesterneng.com

Bridge 197:

Communications Corporation	Mr. Jeff Stanley	(765) 522-0113	Jeff.stanley@tdstelecom.com
Duke Energy	Mr. Don McDuffy	(317) 776-5320	Dei-dline-coord@duke- energy.com
Nucor Steel	Mr. Scott Siple	(765) 364-1323 x6472	Scott.siple@nucor.com
Parke County REMC	Mr. Matt Cosby	(765) 569-4232	mcosby@premc.com

SP3. DISPOSAL OF EXCESS MATERIAL

All excess material not to be salvaged (waste) shall be removed from the project site. Whether a private or public waste site is utilized, such disposal shall comply with all Federal, State and local ordinances and permit requirements. A copy of all permits obtained or applied for shall be submitted to the *ENGINEER* prior to the commencement of any construction activities.

The *CONTRACTOR* shall submit, in writing, the location of the proposed dump-site, for review, prior to the commencement of construction.

No direct payment will be made for this work but the cost thereof shall be included in the cost of the other items of the contract.

SP4. OPEN BURNING OF NATURAL GROWTH

Open burning of natural growth will not be permitted on this contract.

SP5. TREE AND LAWN PROTECTION

The *CONTRACTOR* shall use reasonable care for the protection of trees, shrubbery, and lawn areas beyond the permanent right-of-way.

SP6. EROSION CONTROL PLAN PAY ITEMS

The cost of all access and dewatering shown in the erosion control plans shall be included in the Stormwater Management Budget pay item.

SP7. DECREASED OR INCREASED QUANTITIES OF WORK

These Special Provisions shall not be considered as a waiver of, nor shall they invalidate the right of the *ENGINEER* to increase or decrease quantities of work.

SP8. TRAFFIC MAINTENANCE

The *CONTRACTOR* shall provide an access to all local homeowners at all times. If access is temporarily denied due to a construction activity, the *CONTRACTOR* shall coordinate the activity with the affected property owner.

SP9. EXISTING CONDITIONS OF UTILITIES, ADDITIONAL RIGHT-OF-WAY, AND ENCROACHMENTS

(a) Utilities

The status of all utility companies and organizations potentially involved with the work to be performed are described below as known at the time this contract was prepared.

Bridge 9

The facilities of Tri-County Telephone Co., Inc exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Bill Miller of the utility may be contacted at William.miller@tdsrelecom.com or (765) 339-3533.

Bridge 14

The facilities of AT&T exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, David Blackwell of the utility may be contacted at g09871@att.com or (219) 543-0256.

The facilities of Charter Communications Marion exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Dan Bielaczyc of the utility may be contacted at Dan.bielaczyc@charter.com or (231) 941-3819.

The facilities of Tipmont REMC Fiber exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Joe Kline of the utility may be contacted at jkline@tipmont.org or (765) 426-6170.

The facilities of Tri-County Telephone Co., Inc exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Bill Miller of the utility may be contacted at William.miller@tdsrelecom.com or (765) 339-3533.

Bridge 25

The facilities of AT&T exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, David Blackwell of the utility may be contacted at g09871@att.com or (219) 543-0256.

Bridge 95

The facilities of AT&T exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, David Blackwell of the utility may be contacted at g09871@att.com or (216) 543-0256.

The facilities of Crawfordsville Electric Light & Power exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Randy Hendrickson of the utility may be contacted at rhendricson@celp.com or (765) 307-2794.

The facilities of Tipmont REMC Fiber exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Joe Kline of the utility may be contacted at jkline@tipmont.org or (765) 426-6170.

Bridge 127

The facilities of AT&T exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, David Blackwell of the utility may be contacted at g09871@att.com or (219) 543-0256.

The facilities of Charter Communications Marion exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Dan Bielaczyc of the utility may be contacted at Dan.bielaczyc@charter.com or (231) 941-3819.

The facilities of Duke Energy exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Don McDuffy of the utility may be contacted at deidlne-coord@duke-energy.com or (317) 776-5320.

The facilities of Duke Energy Telecom exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Chris Gee of the utility may be contacted at dukefibermw@duke-energy.com or (513) 776-5320.

Bridge 134

The facilities of AT&T exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, David Blackwell of the utility may be contacted at g09871@att.com or (216) 543-0256.

Bridge 136

The facilities of AT&T exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, David Blackwell of the utility may be contacted at g09871@att.com or (216) 543-0256.

Bridge 174

The facilities of AT&T exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, David Blackwell of the utility may be contacted at g09871@att.com or (216) 543-0256.

The facilities of Endeavor Communications exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Jason Lotz of the utility may be contacted at jlotz@weendeavor.com or (765) 795-5554.

The facilities of Communications Corporation exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Jeff Stanley of the utility may be contacted at jeff.stanley@tdstelecom.com or (765) 522-0113.

The facilities of Duke Energy exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Don McDuffy of the utility may be contacted at deidline-coord@duke-energy.com or (317) 776-5320.

The facilities of Hendricks Power Cooperative exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Jason Stewart of the utility may be contacted at jstewart@hendrickspower.com or (317) 745-5473.

The facilities of MCI Communications exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Dennis Rolland Craig of the utility may be contacted at dennis.craig@verizon.com or (317) 498-1242.

The facilities of Roachdale Municipal Utility exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Derick Wiggins of the utility may be contacted at dwiggins@midwesterneng.com or (812) 295-2800.

Bridge 197

The facilities of Communications Corporation exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Jeff Stanley of the utility may be contacted at jeff.stanley@tdstelecom.com or (765) 522-0113.

The facilities of Duke Energy exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Don McDuffy of the utility may be contacted at deidline-coord@duke-energy.com or (317) 776-5320.

The facilities of Nucor Steel exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Scott Siple of the utility may be contacted at scott.siple@nucor.com or (765) 364-1323 x6472.

The facilities of Parke County REMC exist within the project limits, but are not expected to be affected by the proposed construction. If questions arise, Matt Cosby of the utility may be contacted at mcosby@pcremc.com or (765) 569-4232.

(b) Right-of-Way

There are no Right-of-Way requirements for the contract.

(c) Encroachments

There is no involvement of encroachments for the contract.

SP10. STANDARD SPECIFICATIONS

Whenever in the contract documents the 2018, 2020, or 2022 Standard Specifications are referenced, it shall be interpreted to mean the 2024 Standard Specifications.

SP11. MAINTAINING PEDESTRIAN ACCESSIBILITY DURING CONSTRUCTION

Pedestrian accessibility shall be provided and maintained in accordance with 107.08 during the construction of the project where sidewalks and curb ramps exist. Pedestrian accessibility shall consist of the use of signed pedestrian detours utilizing existing and temporary features which shall include, but not be limited to, curb ramps, detectable warning surfaces, pedestrian signals, pavement markings, pedestrian phasing or sidewalks affected by the construction work zone. Pedestrian accessibility shall be as shown on the plans or as directed.

401 Indiana Department of Environmental Management Permits
404 US Army Corps of Engineering Coordination & Indiana Department of Natural Resources
Construction in a Floodway Permits
FOR
Bridge Scour Protection Maintenance

USACE Section 401 Permit Coordination

IDEM has issued the following Section 401 Permits for the proposed projects:

Bridge No.	IDEM Permit Numbers
9	LRL-2024-00125-sjk
14	LRL-2024-00124-sjk
25	LRL-2024-00134-jde
95	LRL-2024-00123-sjk
127	LRL-2024-00132-cte
134	LRL-2024-00139-cte
136	LRL-2024-00133-jde
174	LRL-2024-00136-jde
197	LRL-2024-00137-cte

USACE Section 404 Permit Coordination

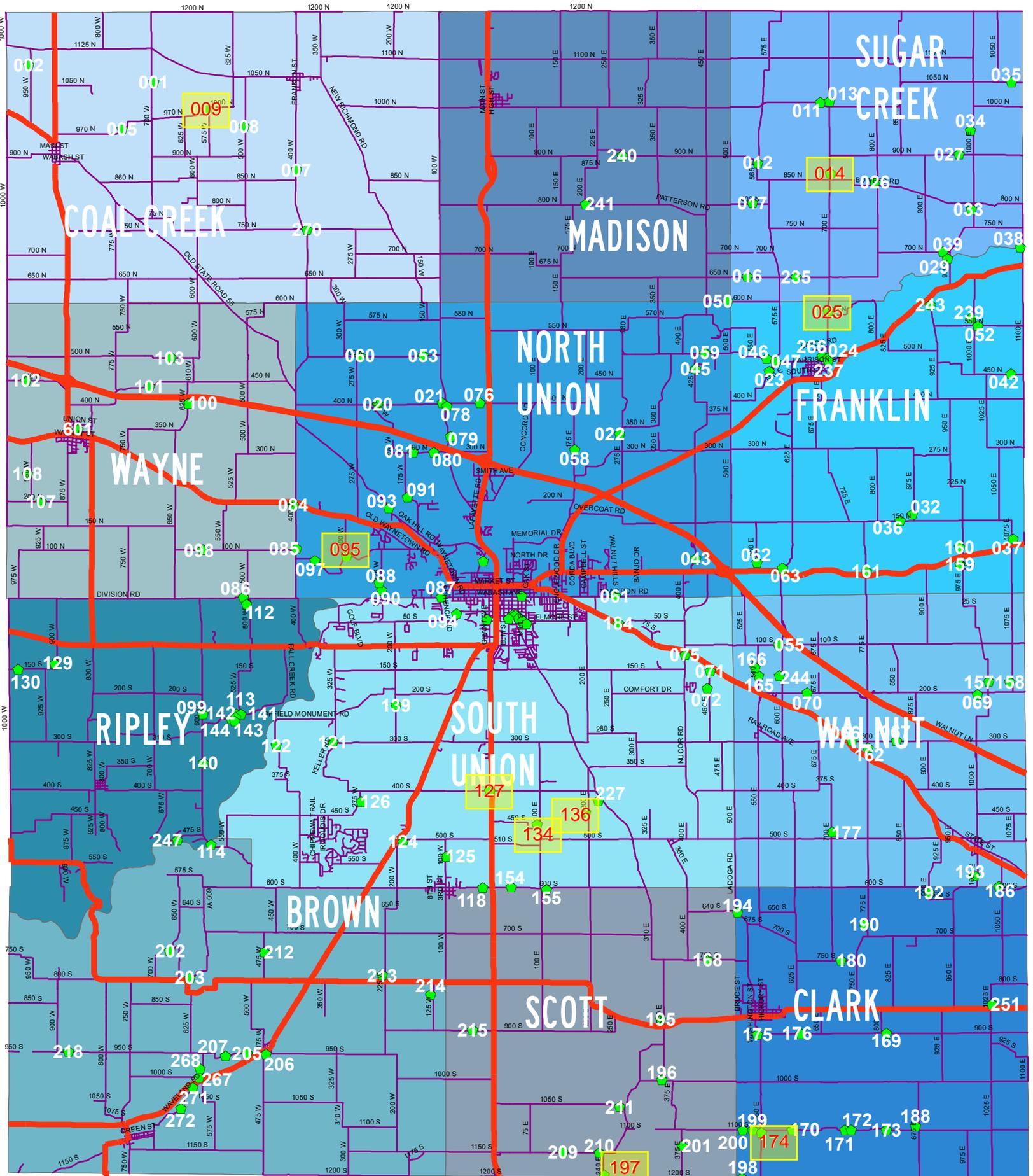
After review of the projects listed above, they have been verified to meet the US Army Corps of Engineers (USACE) Section 404 Regional General Permit Conditions. No additional coordination is necessary.

IDNR CIF Permit Coordination

IDNR has issued the following Construction in a Floodway permits for the proposed Projects:

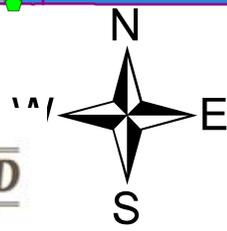
Bridge No.	IDEM Permit Numbers
25	LRL-2024-00134-jde
197	LRL-2024-00137-cte

County Map
FOR
Bridge Scour Protection Maintenance



Montgomery County Bridges

2022



Bridge Inspection Reports
FOR
Bridge Scour Protection Maintenance

The following bridge inspection reports are provided for information only.



South Approach Looking North



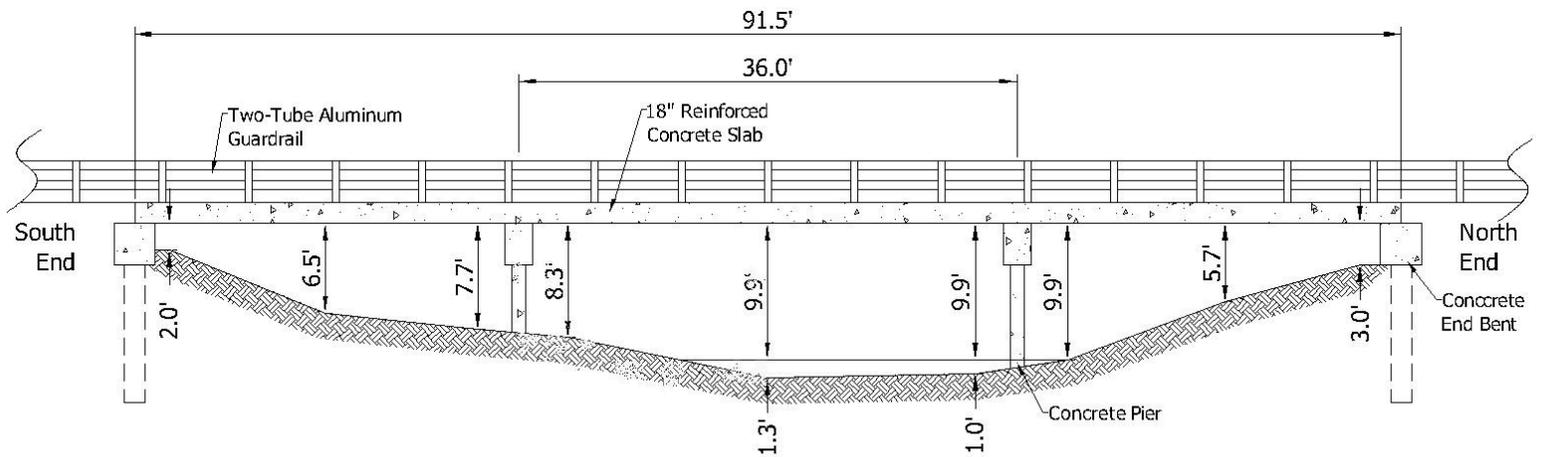
East Face Looking Downstream



Looking at Undercutting of End Bent at Northeast Corner



Looking at Spall and Delamination at East Face



East Face Looking Downstream

MONTGOMERY COUNTY - BRIDGE NO. 54-00009
 CR 575W over NORTH FORK OF COAL CREEK

STRUCTURE INVENTORY & APPRAISAL SHORT FORM

ASSET NAME: 54-00009

IDENTIFICATION

1. State:..... 185 - Indiana
 2. District:..... 01 - Crawfordsville
 3. County:..... 054 - MONTGOMERY
 4. Place Code:..... 00000 - N/A
 6. Features Intersected:..... NORTH FORK OF COAL CREEK
 7. Facility Carried:..... CR 575W
 8. NBI #:..... 5400006
 9. Location:..... 01.00 E of CR 900 N
 16. Latitude..... 40.18553 Decimal Degrees
 17. Longitude..... -87.01311 Decimal Degrees

STRUCTURE TYPE

43. Structure Type – Main:
 A. Material..... 2 - Concrete continuous
 B. Type of Design..... 01 - Slab
 44. Structure Type – Approach:
 A. Material..... 0 - Other
 B. Type of Design..... 00 - Other
 45. No. of Spans – Main:..... 3
 46. No. of Spans – Approach:..... 0000
 107. Deck Type:..... 1 - Concrete Cast-in-Place
 108. Wearing Surface / Protection System
 A. Wearing Surface..... 1 - Monolithic Concrete
 B. Deck Membrane..... 0 - None
 C. Deck Protection..... 0 - None

AGE OF SERVICE

27. Year Built:..... 1973
 106. Reconstructed:..... 0
 42. Type of Service:
 A. On Bridge..... 1 - Highway
 B. Under Bridge..... 5 - Waterway
 28. Lanes
 A. On Bridge:..... 2
 B. Under Bridge:..... 0
 29. ADT:..... 150 VPD
 30. ADT Year:..... 2022
 109. ADTT:..... 6 %

GEOMETRIC DATA

48. Maximum Span Length..... 36.0 Ft.
 49. Total Structure Length:..... 91.5 Ft.
 50A. Sidewalk/Curb Left:..... 0.0 Ft.
 50B. Sidewalk/Curb Right:..... 0.0 Ft.
 51. Bridge Roadway Width: (Curb-Curb):..... 26.0 Ft.
 52. Deck Width (o-o):..... 28.5 Ft.
 32. Approach Roadway Width:..... 20.0 Ft.
 34. Skew:..... 0 Degree(s)
 47. Total Horizontal Clearance..... 26.0 Ft.
 53. Vertical Clearance over Deck:..... 99.99 Ft.
 54. Min. Vertical Underclearance:..... 0.00 Ft.
 55. Min. Lateral Underclearance - Right:..... 0.0 Ft.
 56. Min. Lateral Underclearance - Left:..... 0.0 Ft.

LOAD RATING AND POSTING

31. Design Load:..... 5 - HS 20
 64. Operating Rating:..... 48 Tons
 66. Inventory Rating:..... 36 Tons
 66B. Inventory Rating (H):..... 22 Tons
 70. Bridge Posting:..... 5 - Equal to or above legal loads
 41. Open, Posted, or Closed:..... A - Open
 66C. Tons Posted:..... Tons
 66D. Date Posted/Closed:.....

INSPECTIONS

90. Inspection Date:..... 04/27/2022
 91. Des. Inspection Frequency..... 24 Months
 92. Critical Feature Inspected:
 A..... N Mos. B..... N Mos. C..... N Mos.
 93. Critical Feature Inspection Date:
 A:..... B:..... C:.....

PROPOSED IMPROVEMENTS

97. Year Needed:.....
 75A. Type Work:.....
 76. Improvement Length:..... 0.0 Ft.
 94. Bridge Improvement Cost..... 0 x 1000
 95. Roadway Improvement Cost..... 0 x 1000
 96. Total Project Cost:..... 0 x 1000
 Sufficiency Rating (Unofficial)..... 92.0

CONDITION

<u>CONDITION / MATERIAL</u>	<u>RATING</u>
58. Deck:..... SATISFACTORY-DELAMs, SPALLS W/EXP REBAR W/SECTION LOSS UP TO 25% Material: CONTINUOUS CONCRETE SLAB.....	6
58.01. Wearing Surface:..... SATISFACTORY-POPOUTS, WEAR Material: CONCRETE.....	6
59. Superstructure:..... SATISFACTORY-SPALLS, EXP STEEL BOTTOM, DELAMs ALONG COPINGS Material: CONTINUOUS REINF CONCRETE SLAB (18").....	6
Paint..... N/A.....	N/A
60. Substructure:..... GOOD-2 FOOT SCOUR HOLE AT NORTH PIER, NO FOOTING EXPOSED,CRACKS WITH EFFL. WING WALLS. Material: CONCRETE BENTS HAMMERHEAD PIERS.....	7
61. Channel:..... SATISFACTORY-LIGHT BANK EROSION Material: NATURAL/RIPRAP.....	6
62. Culvert:..... N/A Material: N/A.....	N

APPRAISAL

67. Structural:.....	<u>RATING</u> 6
68. Geometry:.....	5
69. Underclearance:.....	N
<u>DEFICIENCIES</u>	
71. Waterway Adequacy:..... APPEARS ADEQUATE.....	7
72. Roadway Alignment:..... RUTTED, SETTLED AT BRIDGE END Material: BITUMINOUS (72): SERIOUS-SHARP CURVE N, LEVEL.....	3
113. Scour Rating..... 2 FOOT SCOUR HOLE AT NORTH PIER, NO FOOTING EXPOSED.....	4 - Action is required to protect exposed foundations

EXECUTIVE SUMMARY

NO MAJOR WORK NEEDED.RECOMMEND INSTALLING CURRENT BRIDGE AND APPROACH RAIL, FILLING SHOULDER EROSION WITH STONE AND RIPRAP, PLACING RIPRAP AT NORTH PIER, AND PLACING BEM AT SOUTHEAST, SOUTHWEST,AND NORTHEAST(2022) NORTHEAST CORNER OF BENT 1 UNDERCUT, 2 FT SCOUR HOLE AT UPSTREAM NOSE OF PIER 3, EROSION AT ALL 4 CORNERS OF STRUCTURE. TREES GROWING BENEATH STRUCTURE. SPALLING AND DELAMINATION OCCURING AT OUTER EDGE OF SLAB ON BOTTOM OF BOTH EAST AND WEST FACE. RECOMMENDED MAINTENANCE IN 2023: PLACE RIPRAP AT UPSTREAM NOSE OF PIER 3. FILL AND PROTECT NORTHEAST CORNER OF BENT 1 CAP. PLACE RIPRAP AT ALL FOUR CORNERS OF STRUCTURE TO PREVENT FURTHER EROSION. REMOVE TREES FROM BENEATH STRUCTURE



South Approach Looking North



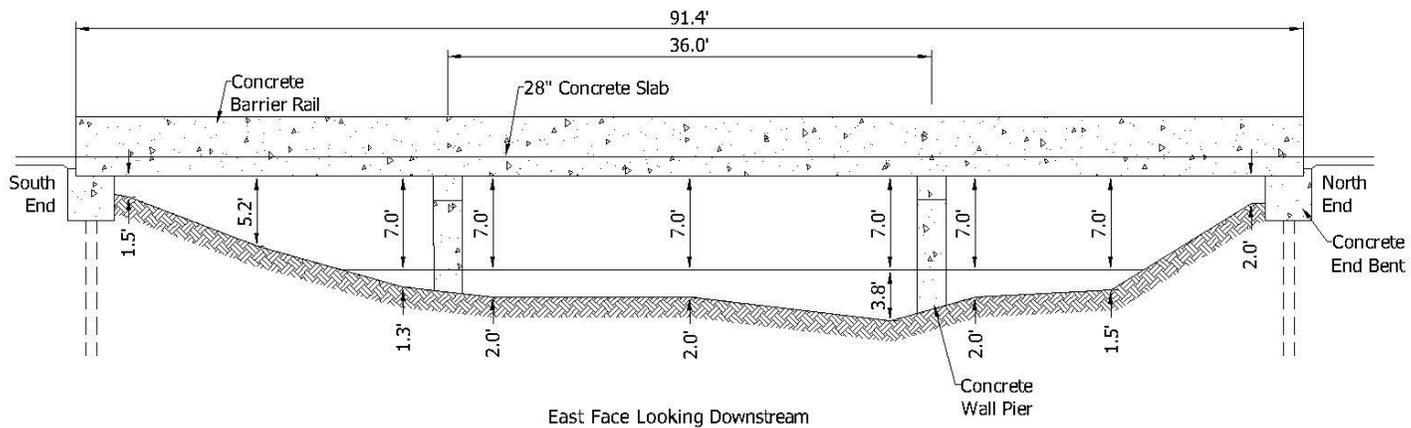
West Face Looking Downstream



Looking at Large Spall With Exposed Reinforcement



Looking at Asphalt Patch and Spall



East Face Looking Downstream

STRUCTURE INVENTORY & APPRAISAL SHORT FORM

ASSET NAME: 54-00014

IDENTIFICATION

1. State:..... 185 - Indiana
 2. District:..... 01 - Crawfordsville
 3. County:..... 054 - MONTGOMERY
 4. Place Code:..... 00000 - N/A
 6. Features Intersected:..... LITTLE POTATO CREEK
 7. Facility Carried:..... CR 700E
 8. NBI #:..... 5400009
 9. Location:..... 00.10 N of CR 85 N
 16. Latitude..... 40.16596 Decimal Degrees
 17. Longitude..... -86.77103 Decimal Degrees

STRUCTURE TYPE

43. Structure Type – Main:
 A. Material..... 2 - Concrete continuous
 B. Type of Design..... 01 - Slab
 44. Structure Type – Approach:
 A. Material..... 0 - Other
 B. Type of Design..... 00 - Other
 45. No. of Spans – Main:..... 3
 46. No. of Spans – Approach:..... 0000
 107. Deck Type:..... 1 - Concrete Cast-in-Place
 108. Wearing Surface / Protection System
 A. Wearing Surface..... 1 - Monolithic Concrete
 B. Deck Membrane..... 0 - None
 C. Deck Protection..... 0 - None

AGE OF SERVICE

27. Year Built:..... 1968
 106. Reconstructed:..... 0
 42. Type of Service:
 A. On Bridge..... 1 - Highway
 B. Under Bridge..... 5 - Waterway
 28. Lanes
 A. On Bridge:..... 2
 B. Under Bridge:..... 0
 29. ADT:..... 850 VPD
 30. ADT Year:..... 2022
 109. ADTT:..... 12 %

GEOMETRIC DATA

48. Maximum Span Length..... 36.0 Ft.
 49. Total Structure Length:..... 91.4 Ft.
 50A. Sidewalk/Curb Left:..... 1.0 Ft.
 50B. Sidewalk/Curb Right:..... 1.0 Ft.
 51. Bridge Roadway Width: (Curb-Curb):..... 25.0 Ft.
 52. Deck Width (o-o):..... 29.0 Ft.
 32. Approach Roadway Width:..... 21.0 Ft.
 34. Skew:..... 0 Degree(s)
 47. Total Horizontal Clearance..... 25.0 Ft.
 53. Vertical Clearance over Deck:..... 99.99 Ft.
 54. Min. Vertical Underclearance:..... 0.00 Ft.
 55. Min. Lateral Underclearance - Right:..... 0.0 Ft.
 56. Min. Lateral Underclearance - Left:..... 0.0 Ft.

LOAD RATING AND POSTING

31. Design Load:..... 0 - Unknown
 64. Operating Rating:..... 48 Tons
 66. Inventory Rating:..... 36 Tons
 66B. Inventory Rating (H):..... 22 Tons
 70. Bridge Posting:..... 5 - Equal to or above legal loads
 41. Open, Posted, or Closed:..... A - Open
 66C. Tons Posted:..... Tons
 66D. Date Posted/Closed:.....

INSPECTIONS

90. Inspection Date:..... 04/28/2022
 91. Des. Inspection Frequency..... 24 Months
 92. Critical Feature Inspected:
 A..... N Mos. B..... N Mos. C..... N Mos.
 93. Critical Feature Inspection Date:
 A:..... B:..... C:.....

PROPOSED IMPROVEMENTS

97. Year Needed:.....
 75A. Type Work:.....
 76. Improvement Length:..... 0 Ft.
 94. Bridge Improvement Cost..... 0 x 1000
 95. Roadway Improvement Cost..... 0 x 1000
 96. Total Project Cost:..... 0 x 1000
 Sufficiency Rating (Unofficial)..... 81.1

CONDITION

	CONDITION / MATERIAL	RATING
58. Deck:	SATISFACTORY-LIGHT SCALING, TRANS CRACKS, 8'x2.5' SPALL IN CENTER SPAN PARTIALLY PATCHED WITH ASPHALT Material: CONT. CONCRETE SLAB	6
58.01. Wearing Surface:	SATISFACTORY-POPOUTS, 8'x2.5' SPALL IN CENTER SPAN PARTIALLY PATCHED WITH ASPHALT, DEBRIS IN GUTTERS Material: CONCRETE	6
59. Superstructure:	SATISFACTORY-2 LARGE SPALLS ALONG SPAN 3 EAST COPING WITH EXPOSED RUSTING REBAR, CRACKS Material: CONT. REINF CONC. SLAB	6
Paint:	N/A	N/A
60. Substructure:	GOOD-NO MAJOR DEFECTS Material: CONCRETE PIER & ABUTMENTS	7
61. Channel:	SATISFACTORY-WELL DEFINED. MINIMAL RIPRAP Material: NATURAL/RIPRAP	6
62. Culvert:	N/A Material: N/A	N

APPRAISAL

	RATING	
67. Structural:	6	
68. Geometry:	4	
69. Underclearance:	N	
	DEFICIENCIES	RATING
71. Waterway Adequacy:	APPEARS ADEQUATE	6
72. Roadway Alignment:	GOOD-LIGHT CRACKS, SETTLEMENT Material: BITUMINOUS (72): VERY GOOD-STRAIGHT-LEVEL	8
113. Scour Rating	EROSION AROUND PIERS. MINIMAL PROTECTION. 4 - Action is required to protect exposed foundations	

EXECUTIVE SUMMARY

LARGE BITUMINOUS PATCHING IN DECK. HEAVY DETERIORATION AT DECK DRAINS. EROSION AROUND PIERS. MINIMAL PROTECTION OF BENTS RECOMMEND CLEANING GUTTERS, REPLACING BITUMINOUS DECK PATCH WITH EPOXY MODIFIED CONCRETE PATCH, SEALING BRIDGE DECK, ADDING RIPRAP ON SPLILLSLOPES AND AROUND PIERS, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING.



South Approach Looking North



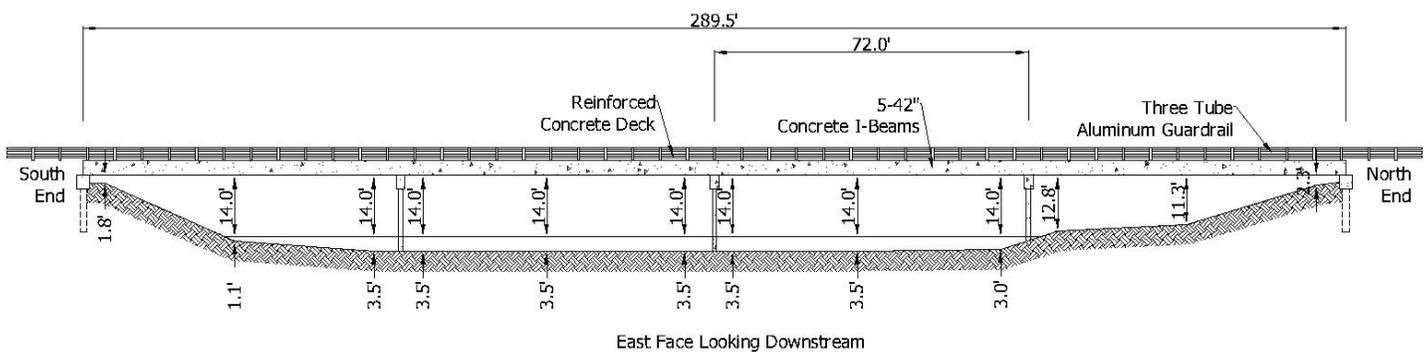
West Face Looking Upstream



Looking at End Bent 5



Looking at Spall at Beam Ends Pier 2 West Face



MONTGOMERY COUNTY - BRIDGE NO. 54-00025
 CR 700E over SUGAR CREEK

STRUCTURE INVENTORY & APPRAISAL SHORT FORM

ASSET NAME: 54-00025

IDENTIFICATION

1. State:..... 185 - Indiana
 2. District:..... 01 - Crawfordsville
 3. County:..... 054 - MONTGOMERY
 4. Place Code:..... 00000 - N/A
 6. Features Intersected:..... SUGAR CREEK
 7. Facility Carried:..... CR 700E
 8. NBI #:..... 5400018
 9. Location:..... 00.80 S of CR 650 N
 16. Latitude..... 40.12422 Decimal Degrees
 17. Longitude..... -86.77205 Decimal Degrees

STRUCTURE TYPE

43. Structure Type – Main:
 A. Material..... 6 - Prestressed concrete continuous
 B. Type of Design..... 02 - Stringer/Multi-beam or Girder
 44. Structure Type – Approach:
 A. Material..... 0 - Other
 B. Type of Design..... 00 - Other
 45. No. of Spans – Main:..... 4
 46. No. of Spans – Approach:..... 0000
 107. Deck Type:..... 1 - Concrete Cast-in-Place
 108. Wearing Surface / Protection System
 A. Wearing Surface..... 1 - Monolithic Concrete
 B. Deck Membrane..... 0 - None
 C. Deck Protection..... 0 - None

AGE OF SERVICE

27. Year Built:..... 1969
 106. Reconstructed:..... 0
 42. Type of Service:
 A. On Bridge..... 1 - Highway
 B. Under Bridge..... 5 - Waterway
 28. Lanes
 A. On Bridge:..... 2
 B. Under Bridge:..... 0
 29. ADT:..... 940 VPD
 30. ADT Year:..... 2022
 109. ADTT:..... 13 %

GEOMETRIC DATA

48. Maximum Span Length..... 72.0 Ft.
 49. Total Structure Length:..... 289.5 Ft.
 50A. Sidewalk/Curb Left:..... 0.0 Ft.
 50B. Sidewalk/Curb Right:..... 0.0 Ft.
 51. Bridge Roadway Width: (Curb-Curb):..... 29.2 Ft.
 52. Deck Width (o-o):..... 31.5 Ft.
 32. Approach Roadway Width:..... 22.0 Ft.
 34. Skew:..... 20 Degree(s)
 47. Total Horizontal Clearance..... 29.2 Ft.
 53. Vertical Clearance over Deck:..... 99.99 Ft.
 54. Min. Vertical Underclearance:..... 0.00 Ft.
 55. Min. Lateral Underclearance - Right:..... 0.0 Ft.
 56. Min. Lateral Underclearance - Left:..... 0.0 Ft.

LOAD RATING AND POSTING

31. Design Load:..... 0 - Unknown
 64. Operating Rating:..... 48 Tons
 66. Inventory Rating:..... 36 Tons
 66B. Inventory Rating (H):..... 29 Tons
 70. Bridge Posting:..... 5 - Equal to or above legal loads
 41. Open, Posted, or Closed:..... A - Open
 66C. Tons Posted:..... Tons
 66D. Date Posted/Closed:.....

INSPECTIONS

90. Inspection Date:..... 05/04/2022
 91. Des. Inspection Frequency..... 24 Months
 92. Critical Feature Inspected:
 A..... N Mos. B..... N Mos. C..... N Mos.
 93. Critical Feature Inspection Date:
 A:..... B:..... C:.....

PROPOSED IMPROVEMENTS

97. Year Needed:.....
 75A. Type Work:.....
 76. Improvement Length:..... 0 Ft.
 94. Bridge Improvement Cost..... 0 x 1000
 95. Roadway Improvement Cost..... 0 x 1000
 96. Total Project Cost:..... 0 x 1000
 Sufficiency Rating (Unofficial)..... 90.9

CONDITION

	<u>CONDITION / MATERIAL</u>	<u>RATING</u>
58. Deck:	SATISFACTORY-CORNER BROKEN, WORN, POPOUTS ON SURFACE, UNDERSIDE GOOD Material: CONCRETE (8")	6
58.01. Wearing Surface:	FAIR-WORN, POPOUTS, SPALLS WITH PATCHES ALONG CENTERLINE IN SOUTH TWO SPANS Material: CONCRETE	5
59. Superstructure:	GOOD-DIAPHRAGM SPALLS, SPALLS AT BEAM ENDS AT PIER DIAPHRAGM Material: CONT PRESTR CONC I-BEAMS	7
Paint:	N/A	N/A
60. Substructure:	GOOD-SEEPAGE, HAMMERHEAD PIERS, DIRT ON ABUTMENT SEATS, JOINTS ABOVE SUBSTRUCTURE FAILED Material: PILE BENTS, PIERS ON ROCK	7
61. Channel:	SATISFACTORY-SOUTH SPILLSLOPE EROSION, DRIFT AT PIERS, ERODING SLIGHTLY Material: NATURAL/RIPRAP	6
62. Culvert:	N/A Material: N/A	N

APPRAISAL

	<u>RATING</u>
67. Structural:.....	7
68. Geometry:.....	5
69. Underclearance:.....	N

DEFICIENCIES

	<u>RATING</u>
71. Waterway Adequacy:..... APPEARS ADEQUATE	7
72. Roadway Alignment:..... FAIR-SETTLED, CRACKED, BROKEN AT EDGES, MANY CRACKS Material: BITUMINOUS (72): SATISFACTORY-CURVE TO NORTH, BRIDGE ON CREST VERT CURVE 6	7
113. Scour Rating..... STABLE - WITHIN LIMITS	5 - Scour within limits of footing or piles

EXECUTIVE SUMMARY

RECOMMEND ADDING RIPRAP ON SOUTH SPILLSLOPE, CLEARING DRIFT FROM PIERS AND SPAN 2,PATCHING DECK SPALLS WITH EPOXY MODIFIED CONCRETE,SEALING BRIDGE DECK FOR CRACKS.REGROUTING OUTSIDE BEAM ENDS OVER PIERS, REPLACING JOINTS AT ABUTMENTS, ANDINSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITHBRIDGE END MARKERS(2022)-RECOMMEND ADDING RIPRAP ON SOUTH SPILLSLOPE, CLEARING DRIFT FROM PIERS AND SPAN 2,PATCHING DECK SPALLS WITH EPOXY MODIFIED CONCRETE,SEALING BRIDGE DECK FOR CRACKS.REGROUTING OUTSIDE BEAM ENDS OVER PIERS, REPLACING JOINTS AT ABUTMENTS, ANDINSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITHBRIDGE END MARKERS. REMOVE VEGITATION FROM BENEATHE STRUCTURE.



East Approach to Structure - Looking West



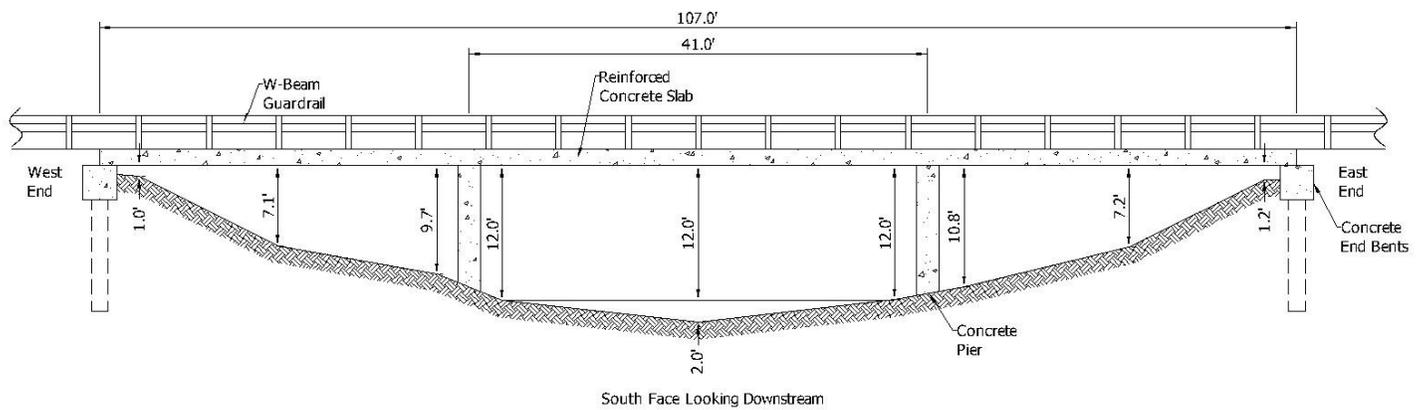
North Face of Structure - Looking Downstream



Looking at Bent 2



Looking at Deck Note-Transverse Cracks over Bent 3



MONTGOMERY COUNTY - BRIDGE NO. 54-00095
 CR 80N over BLACK CREEK

STRUCTURE INVENTORY & APPRAISAL SHORT FORM

ASSET NAME: 54-00095

IDENTIFICATION

1. State:..... 185 - Indiana
 2. District:..... 01 - Crawfordsville
 3. County:..... 054 - MONTGOMERY
 4. Place Code:..... 00000 - N/A
 6. Features Intersected:..... BLACK CREEK
 7. Facility Carried:..... CR 80N
 8. NBI #:..... 5400077
 9. Location:..... 00.10 E of CR 300 W
 16. Latitude..... 40.05149 Decimal Degrees
 17. Longitude..... -86.95970 Decimal Degrees

STRUCTURE TYPE

43. Structure Type – Main:
 A. Material..... 2 - Concrete continuous
 B. Type of Design..... 01 - Slab
 44. Structure Type – Approach:
 A. Material..... 0 - Other
 B. Type of Design..... 00 - Other
 45. No. of Spans – Main:..... 3
 46. No. of Spans – Approach:..... 0000
 107. Deck Type:..... 1 - Concrete Cast-in-Place
 108. Wearing Surface / Protection System
 A. Wearing Surface..... 1 - Monolithic Concrete
 B. Deck Membrane..... N - NA
 C. Deck Protection..... 1 - Epoxy Coated Reinforcing

AGE OF SERVICE

27. Year Built:..... 1998
 106. Reconstructed:..... 0
 42. Type of Service:
 A. On Bridge..... 1 - Highway
 B. Under Bridge..... 5 - Waterway
 28. Lanes
 A. On Bridge:..... 2
 B. Under Bridge:..... 0
 29. ADT:..... 200 VPD
 30. ADT Year:..... 2022
 109. ADTT:..... 6 %

GEOMETRIC DATA

48. Maximum Span Length..... 41.0 Ft.
 49. Total Structure Length:..... 107.0 Ft.
 50A. Sidewalk/Curb Left:..... 0.0 Ft.
 50B. Sidewalk/Curb Right:..... 0.0 Ft.
 51. Bridge Roadway Width: (Curb-Curb):..... 27.9 Ft.
 52. Deck Width (o-o):..... 28.8 Ft.
 32. Approach Roadway Width:..... 20.0 Ft.
 34. Skew:..... 34 Degree(s)
 47. Total Horizontal Clearance..... 27.9 Ft.
 53. Vertical Clearance over Deck:..... 99.99 Ft.
 54. Min. Vertical Underclearance:..... 0.00 Ft.
 55. Min. Lateral Underclearance - Right:..... 0.0 Ft.
 56. Min. Lateral Underclearance - Left:..... 0.0 Ft.

LOAD RATING AND POSTING

31. Design Load:..... 5 - HS 20
 64. Operating Rating:..... 80 Tons
 66. Inventory Rating:..... 48 Tons
 66B. Inventory Rating (H):..... 34 Tons
 70. Bridge Posting:..... 5 - Equal to or above legal loads
 41. Open, Posted, or Closed:..... A - Open
 66C. Tons Posted:..... Tons
 66D. Date Posted/Closed:.....

INSPECTIONS

90. Inspection Date:..... 05/12/2022
 91. Des. Inspection Frequency..... 24 Months
 92. Critical Feature Inspected:
 A..... N Mos. B..... N Mos. C..... N Mos.
 93. Critical Feature Inspection Date:
 A:..... B:..... C:.....

PROPOSED IMPROVEMENTS

97. Year Needed:.....
 75A. Type Work:.....
 76. Improvement Length:..... 0.0 Ft.
 94. Bridge Improvement Cost..... 0 x 1000
 95. Roadway Improvement Cost..... 0 x 1000
 96. Total Project Cost:..... 0 x 1000
 Sufficiency Rating (Unofficial)..... 100.0

CONDITION

<u>CONDITION / MATERIAL</u>	<u>RATING</u>
58. Deck:..... GOOD-TRANS HAIRLINE CRACKS AT EDGES, LONG. HAIRLINE CRACKS AT ENDS, PATTERN HAIRLINE CRACKS OVER PIERS Material: 20" CRC SLAB.....	7
58.01. Wearing Surface:..... SATISFACTORY-NUMEROUS HAIRLINE CRACKS, WORN, POPOUTS Material: CONCRETE.....	6
59. Superstructure:..... GOOD-DELAMINATIONS AT DRIP BEADS, MINOR HONEYCOMBING, SPALL AT MIDSPAN IN SPAN B AT SOUTH COPING Material: 20" CRC SLAB.....	7
Paint..... N/A.....	N/A
60. Substructure:..... GOOD-SURFACE RUST ON PILES, MINOR HONEYCOMBING Material: CONCRETE END BENTS-PILE BENTS.....	7
61. Channel:..... SATISFACTORY-FLOW ALONG WEST BANK, DRIFT AT BENT 2 Material: RIPRAP/GABIONS.....	6
62. Culvert:..... N/A Material: N/A.....	N

APPRAISAL

67. Structural:.....	<u>RATING</u> 7
68. Geometry:.....	6
69. Underclearance:.....	N
<u>DEFICIENCIES</u>	
71. Waterway Adequacy:..... APPEARS ADEQUATE.....	7
72. Roadway Alignment:..... SATISFACTORY-MINOR CRACKS & POPOUTS, SETTLED Material: CONCRETE-BITUMINOUS (72): SATISFACTORY-INT WEST, HORIZONTAL CURVE EAST.....	6
113. Scour Rating..... STABLE - WITHIN LIMITS.....	5 - Scour within limits of footing or piles

EXECUTIVE SUMMARY

RECOMMEND CLEARING SMALL TREES UNDER BRIDGE, CLEARING DRIFT, AND CLEANING AND PAINTING PILES. INSTALL BEM ON NW CORNER



West Approach Looking East



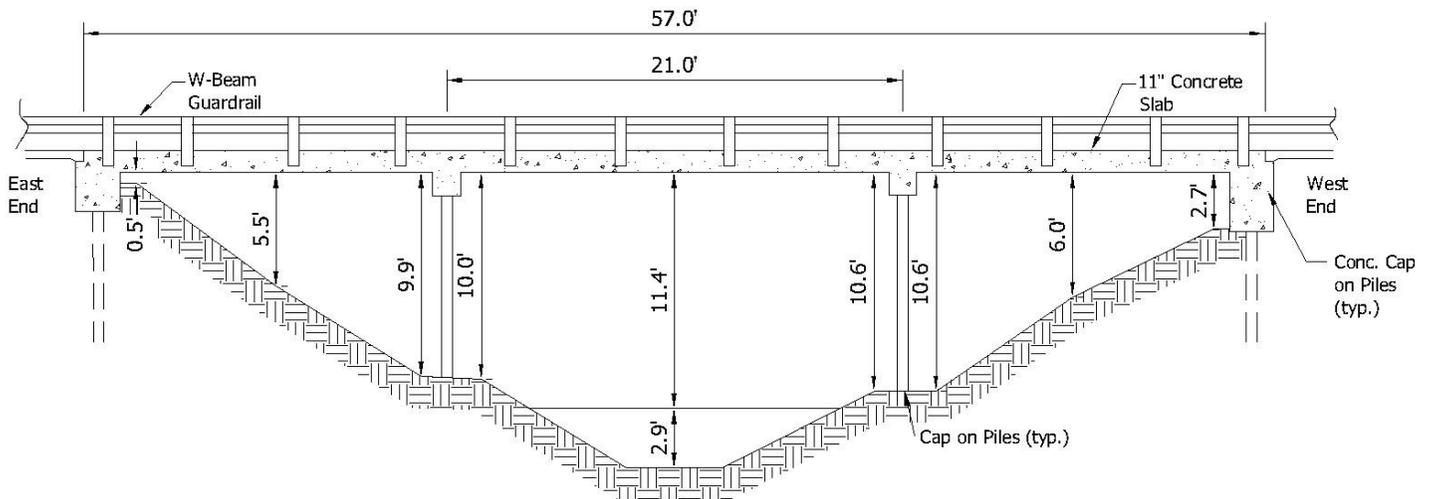
South Face Looking Downstream



Looking at East Face Pier 2



Looking at Undercutting at End Bent 4



North Face Looking Downstream

MONTGOMERY COUNTY - BRIDGE NO. 54-00127
 CR 400S over OFFIELD CREEK

STRUCTURE INVENTORY & APPRAISAL SHORT FORM

ASSET NAME: 54-00127

IDENTIFICATION

1. State:..... 185 - Indiana
 2. District:..... 01 - Crawfordsville
 3. County:..... 054 - MONTGOMERY
 4. Place Code:..... 00000 - N/A
 6. Features Intersected:..... OFFIELD CREEK
 7. Facility Carried:..... CR 400S
 8. NBI #:..... 5400100
 9. Location:..... 00.10 W of US 231
 16. Latitude..... 39.98146 Decimal Degrees
 17. Longitude..... -86.90365 Decimal Degrees

STRUCTURE TYPE

43. Structure Type – Main:
 A. Material..... 2 - Concrete continuous
 B. Type of Design..... 01 - Slab
 44. Structure Type – Approach:
 A. Material..... 0 - Other
 B. Type of Design..... 00 - Other
 45. No. of Spans – Main:..... 3
 46. No. of Spans – Approach:..... 0000
 107. Deck Type:..... 1 - Concrete Cast-in-Place
 108. Wearing Surface / Protection System
 A. Wearing Surface..... 1 - Monolithic Concrete
 B. Deck Membrane..... 0 - None
 C. Deck Protection..... 0 - None

AGE OF SERVICE

27. Year Built:..... 1965
 106. Reconstructed:..... 0
 42. Type of Service:
 A. On Bridge..... 1 - Highway
 B. Under Bridge..... 5 - Waterway
 28. Lanes
 A. On Bridge:..... 2
 B. Under Bridge:..... 0
 29. ADT:..... 130 VPD
 30. ADT Year:..... 2022
 109. ADTT:..... 5 %

GEOMETRIC DATA

48. Maximum Span Length..... 21.0 Ft.
 49. Total Structure Length:..... 57.0 Ft.
 50A. Sidewalk/Curb Left:..... 0.7 Ft.
 50B. Sidewalk/Curb Right:..... 0.7 Ft.
 51. Bridge Roadway Width: (Curb-Curb):..... 24.0 Ft.
 52. Deck Width (o-o):..... 25.8 Ft.
 32. Approach Roadway Width:..... 20.0 Ft.
 34. Skew:..... 0 Degree(s)
 47. Total Horizontal Clearance..... 24.0 Ft.
 53. Vertical Clearance over Deck:..... 99.99 Ft.
 54. Min. Vertical Underclearance:..... 0.00 Ft.
 55. Min. Lateral Underclearance - Right:..... 0.0 Ft.
 56. Min. Lateral Underclearance - Left:..... 0.0 Ft.

LOAD RATING AND POSTING

31. Design Load:..... 5 - HS 20
 64. Operating Rating:..... 56 Tons
 66. Inventory Rating:..... 34 Tons
 66B. Inventory Rating (H):..... 19 Tons
 70. Bridge Posting:..... 5 - Equal to or above legal loads
 41. Open, Posted, or Closed:..... A - Open
 66C. Tons Posted:..... Tons
 66D. Date Posted/Closed:.....

INSPECTIONS

90. Inspection Date:..... 05/11/2022
 91. Des. Inspection Frequency..... 24 Months
 92. Critical Feature Inspected:
 A..... N Mos. B..... N Mos. C..... N Mos.
 93. Critical Feature Inspection Date:
 A:..... B:..... C:.....

PROPOSED IMPROVEMENTS

97. Year Needed:.....
 75A. Type Work:.....
 76. Improvement Length:..... 0.0 Ft.
 94. Bridge Improvement Cost..... 0 x 1000
 95. Roadway Improvement Cost..... 0 x 1000
 96. Total Project Cost:..... 0 x 1000
 Sufficiency Rating (Unofficial)..... 90.9

CONDITION

<u>CONDITION / MATERIAL</u>	<u>RATING</u>
58. Deck:..... SATISFACTORY-HAIRLINE PATTERN. TRANSVERSE CRACKS, POPOUTS, GRAVEL ALONG CURBS Material: CONCRETE.....	6
58.01. Wearing Surface:..... SATISFACTORY-POPOUTS, GRAVEL AT EDGES, HAIRLINE PATTERN CRACKS Material: CONCRETE.....	6
59. Superstructure:..... SATISFACTORY-EFFL AT CONSTRUCTION JOINTS Material: CONTINUOUS REINF CONCRETE SLAB 12".....	6
Paint..... N/A.....	N/A
60. Substructure:..... SATISFACTORY-SPALLS, MINOR SPALLS, SE CORNER UNDERCUT W/EXPOSED PILE, SURFACE RUST, SEEPAGE Material: CONCRETE CAP ON PILES.....	6
61. Channel:..... SATISFACTORY-SLOPEWALL UNDERMINED, BANK EROSION, VEGETATION, SLOPEWALLS CRACKED, Material: CONCRETE & RIPRAP.....	6
62. Culvert:..... N/A Material: N/A.....	N

APPRAISAL

67. Structural:.....	<u>RATING</u> 6
68. Geometry:.....	5
69. Underclearance:.....	N
<u>DEFICIENCIES</u>	
71. Waterway Adequacy:..... APPEARS ADEQUATE.....	<u>RATING</u> 7
72. Roadway Alignment:..... SATISFACTORY-CRACKED, EROSION SE CORNER, SETTLED, TRANS CRACKS Material: BITUMINOUS (72): SATISFACTORY-INTERSECTION E, RISE W.....	6
113. Scour Rating..... SLOPEWALL UNDERMINED. BANKS UNSTABLE.....	4 - Action is required to protect exposed foundations

EXECUTIVE SUMMARY

RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING AND BRIDGE END MARKERS, BACKFILLING UNDERMINED AREAS, PLACING RIPRAP AT TOE OF SLOPEWALLS & AT CORNERS OF BRIDGES TO STABILIZE EROSION, AND REMOVING VEGETATION FROM UNDER BRIDGE.



North Approach Looking South



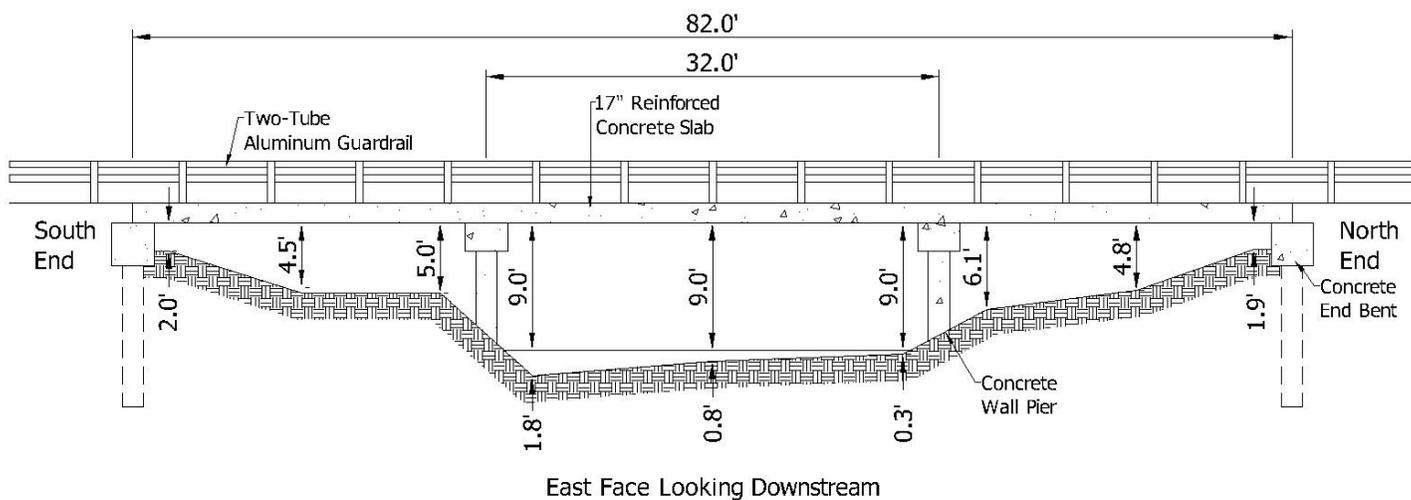
East Face Looking Downstream



Looking at End Bent 1



Looking at Delamination Along East Coping Full Length



MONTGOMERY COUNTY - BRIDGE NO. 54-00134
 CR 100E over OFFIELD CREEK

STRUCTURE INVENTORY & APPRAISAL SHORT FORM

ASSET NAME: 54-00134

IDENTIFICATION

1. State:..... 185 - Indiana
 2. District:..... 01 - Crawfordsville
 3. County:..... 054 - MONTGOMERY
 4. Place Code:..... 00000 - N/A
 6. Features Intersected:..... OFFIELD CREEK
 7. Facility Carried:..... CR 100E
 8. NBI #:..... 5400104
 9. Location:..... 00.30 N of CR 500 S
 16. Latitude..... 39.9717 Decimal Degrees
 17. Longitude..... -86.88449 Decimal Degrees

STRUCTURE TYPE

43. Structure Type – Main:
 A. Material..... 2 - Concrete continuous
 B. Type of Design..... 01 - Slab
 44. Structure Type – Approach:
 A. Material..... 0 - Other
 B. Type of Design..... 00 - Other
 45. No. of Spans – Main:..... 3
 46. No. of Spans – Approach:..... 0000
 107. Deck Type:..... 1 - Concrete Cast-in-Place
 108. Wearing Surface / Protection System
 A. Wearing Surface..... 1 - Monolithic Concrete
 B. Deck Membrane..... 0 - None
 C. Deck Protection..... 0 - None

AGE OF SERVICE

27. Year Built:..... 1975
 106. Reconstructed:..... 0
 42. Type of Service:
 A. On Bridge..... 1 - Highway
 B. Under Bridge..... 5 - Waterway
 28. Lanes
 A. On Bridge:..... 2
 B. Under Bridge:..... 0
 29. ADT:..... 60 VPD
 30. ADT Year:..... 2022
 109. ADTT:..... 5 %

GEOMETRIC DATA

48. Maximum Span Length..... 32.0 Ft.
 49. Total Structure Length:..... 82.0 Ft.
 50A. Sidewalk/Curb Left:..... 0.0 Ft.
 50B. Sidewalk/Curb Right:..... 0.0 Ft.
 51. Bridge Roadway Width: (Curb-Curb):..... 24.0 Ft.
 52. Deck Width (o-o):..... 26.5 Ft.
 32. Approach Roadway Width:..... 19.0 Ft.
 34. Skew:..... 20 Degree(s)
 47. Total Horizontal Clearance..... 24.0 Ft.
 53. Vertical Clearance over Deck:..... 99.99 Ft.
 54. Min. Vertical Underclearance:..... 0.00 Ft.
 55. Min. Lateral Underclearance - Right:..... 0.0 Ft.
 56. Min. Lateral Underclearance - Left:..... 0.0 Ft.

LOAD RATING AND POSTING

31. Design Load:..... 5 - HS 20
 64. Operating Rating:..... 63 Tons
 66. Inventory Rating:..... 37 Tons
 66B. Inventory Rating (H):..... 28 Tons
 70. Bridge Posting:..... 5 - Equal to or above legal loads
 41. Open, Posted, or Closed:..... A - Open
 66C. Tons Posted:..... Tons
 66D. Date Posted/Closed:.....

INSPECTIONS

90. Inspection Date:..... 05/11/2022
 91. Des. Inspection Frequency..... 24 Months
 92. Critical Feature Inspected:
 A..... N Mos. B..... N Mos. C..... N Mos.
 93. Critical Feature Inspection Date:
 A:..... B:..... C:.....

PROPOSED IMPROVEMENTS

97. Year Needed:.....
 75A. Type Work:.....
 76. Improvement Length:..... 0.0 Ft.
 94. Bridge Improvement Cost..... 0 x 1000
 95. Roadway Improvement Cost..... 0 x 1000
 96. Total Project Cost:..... 0 x 1000
 Sufficiency Rating (Unofficial)..... 99.0

CONDITION

<u>CONDITION / MATERIAL</u>	<u>RATING</u>
58. Deck:..... SATISFACTORY-HAIRLINE CRACKS Material: CONCRETE.....	6
58.01. Wearing Surface:..... SATISFACTORY-POPOUTS, WORN, GRAVEL ON DECKS. MAP CRACKING Material: CONCRETE.....	6
59. Superstructure:..... SATISFACTORY-SPALLS AND DELAMINATIONS AT DRIP BEADS, VERTICAL COPING CRACKS AT PIERS Material: CONTINUOUS REINF CONCRETE SLAB, 17".....	6
Paint..... N/A.....	N/A
60. Substructure:..... GOOD-LIGHT SCALING, NORMAL WEAR. HAIRLINE VERTICAL CRACKS Material: CONCRETE PIER & END BENTS.....	7
61. Channel:..... SATISFACTORY-MODERATE EROSION, DRIFT UPSTREAM AND DOWNSTREAM. NO FOOTING EXPOSURE Material: NATURAL/RIPRAP.....	6
62. Culvert:..... N/A Material: N/A.....	N

APPRAISAL

67. Structural:.....	<u>RATING</u> 6
68. Geometry:.....	6
69. Underclearance:.....	N
<u>DEFICIENCIES</u>	<u>RATING</u>
71. Waterway Adequacy:..... APPEARS ADEQUATE.....	7
72. Roadway Alignment:..... SETTLED PATTERN CRACKS Material: BITUMINOUS (72): VERY GOOD-STRAIGHT, HILL TO THE SOUTH AND NORTH.....	8
113. Scour Rating..... LITTLE PROTECTION. MODERATE EROSION. NO FOOTING EXPOSURE.....	4 - Action is required to protect exposed foundations

EXECUTIVE SUMMARY

NORMAL SERVICE WEAR OF DECK AND SUBSTRUCTURE. RECOMMEND UPDATING RAILING FEATURES TO CURRENT STANDARDS.REPLACE BRIDGE END MARKER AT NW CORNER. PLACE RIPRAP AROUND PIERS AND UP SPILLSLOPES.



South Approach Looking North



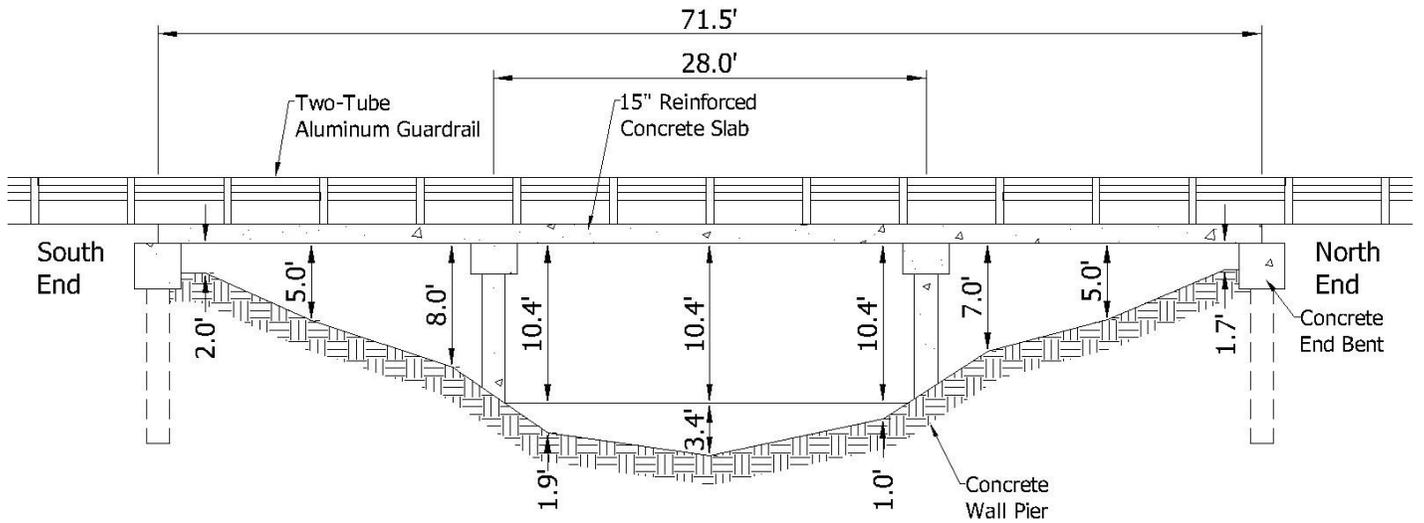
West Face Looking Upstream



Looking at North Face Pier 2



Lookign at Spall on Coping Span A



East Face Looking Downstream

MONTGOMERY COUNTY - BRIDGE NO. 54-00136
 CR 200E over OFFIELD CREEK

STRUCTURE INVENTORY & APPRAISAL SHORT FORM

ASSET NAME: 54-00136

IDENTIFICATION

1. State:..... 185 - Indiana
 2. District:..... 01 - Crawfordsville
 3. County:..... 054 - MONTGOMERY
 4. Place Code:..... 00000 - N/A
 6. Features Intersected:..... OFFIELD CREEK
 7. Facility Carried:..... CR 200E
 8. NBI #:..... 5400105
 9. Location:..... 00.50 S of CR 400 S
 16. Latitude..... 39.97501 Decimal Degrees
 17. Longitude..... -86.86568 Decimal Degrees

STRUCTURE TYPE

43. Structure Type – Main:
 A. Material..... 2 - Concrete continuous
 B. Type of Design..... 01 - Slab
 44. Structure Type – Approach:
 A. Material..... 0 - Other
 B. Type of Design..... 00 - Other
 45. No. of Spans – Main:..... 3
 46. No. of Spans – Approach:..... 0000
 107. Deck Type:..... 1 - Concrete Cast-in-Place
 108. Wearing Surface / Protection System
 A. Wearing Surface..... 1 - Monolithic Concrete
 B. Deck Membrane..... 0 - None
 C. Deck Protection..... 0 - None

AGE OF SERVICE

27. Year Built:..... 1974
 106. Reconstructed:..... 0
 42. Type of Service:
 A. On Bridge..... 1 - Highway
 B. Under Bridge..... 5 - Waterway
 28. Lanes
 A. On Bridge:..... 2
 B. Under Bridge:..... 0
 29. ADT:..... 780 VPD
 30. ADT Year:..... 2022
 109. ADTT:..... 12 %

GEOMETRIC DATA

48. Maximum Span Length..... 28.0 Ft.
 49. Total Structure Length:..... 71.5 Ft.
 50A. Sidewalk/Curb Left:..... 0.0 Ft.
 50B. Sidewalk/Curb Right:..... 0.0 Ft.
 51. Bridge Roadway Width: (Curb-Curb):..... 26.0 Ft.
 52. Deck Width (o-o):..... 28.5 Ft.
 32. Approach Roadway Width:..... 19.0 Ft.
 34. Skew:..... 20 Degree(s)
 47. Total Horizontal Clearance..... 26.0 Ft.
 53. Vertical Clearance over Deck:..... 99.99 Ft.
 54. Min. Vertical Underclearance:..... 0.00 Ft.
 55. Min. Lateral Underclearance - Right:..... 0.0 Ft.
 56. Min. Lateral Underclearance - Left:..... 0.0 Ft.

LOAD RATING AND POSTING

31. Design Load:..... 5 - HS 20
 64. Operating Rating:..... 75 Tons
 66. Inventory Rating:..... 45 Tons
 66B. Inventory Rating (H):..... 25 Tons
 70. Bridge Posting:..... 5 - Equal to or above legal loads
 41. Open, Posted, or Closed:..... A - Open
 66C. Tons Posted:..... Tons
 66D. Date Posted/Closed:.....

INSPECTIONS

90. Inspection Date:..... 05/11/2022
 91. Des. Inspection Frequency..... 24 Months
 92. Critical Feature Inspected:
 A..... N Mos. B..... N Mos. C..... N Mos.
 93. Critical Feature Inspection Date:
 A:..... B:..... C:.....

PROPOSED IMPROVEMENTS

97. Year Needed:.....
 75A. Type Work:.....
 76. Improvement Length:..... 0.0 Ft.
 94. Bridge Improvement Cost..... 0 x 1000
 95. Roadway Improvement Cost..... 0 x 1000
 96. Total Project Cost:..... 0 x 1000
 Sufficiency Rating (Unofficial)..... 84.6

CONDITION

<u>CONDITION / MATERIAL</u>	<u>RATING</u>
58. Deck:..... SATISFACTORY-PATTERN CRACKS, WORN Material: CONCRETE.....	6
58.01. Wearing Surface:..... SATISFACTORY-POPOUTS, HAIRLINE PATTERN CRACKS, WORN Material: CONCRETE.....	6
59. Superstructure:..... SATISFACTORY-SPALLS AND DELAMINATIONS ALONG COPINGS, HAIRLINE LONGITUDINAL CRACKS Material: CONTINUOUS REINF CONCRETE SLAB, 15".....	6
Paint..... N/A.....	N/A
60. Substructure:..... GOOD-LIGHT SCALING, MINOR CRACKING WITH EFFL. IN PIERS, NORTHEAST WINGWALL CRACKS W/EFFL. Material: CONCRETE PIER & ABUTMENT.....	7
61. Channel:..... FAIR-BANK EROSION, NOTICEABLE EXPANSION EROSION DOWNSTREAM Material: NATURAL/RIPRAP.....	5
62. Culvert:..... N/A Material: N/A.....	N

APPRAISAL

67. Structural:.....	<u>RATING</u> 6
68. Geometry:.....	5
69. Underclearance:.....	N
	<u>DEFICIENCIES</u> <u>RATING</u>
71. Waterway Adequacy:..... APPEARS BARELY ADEQUATE.....	5
72. Roadway Alignment:..... SETTLED, CRACKED, PATCHES Material: BITUMINOUS (72): VERY GOOD-HILL TO THE N, SLIGHTLY ROLLING.....	8
113. Scour Rating..... SCOUR ALONG PIERS AND AT NOSES. NO FOOTING EXPOSED. MODERATE STREAM BED DEGRADATION..... 4 - Action is required to protect exposed foundations	4

EXECUTIVE SUMMARY

NORMAL SERVICE WEAR. SUPERSTRUCTURE AND SUBSTRUCTURE WITH MINOR CRACKING. MODERATE EROSION ALONG CHANNEL, SOME SCOUR HOLES ALONG PIERS WITH NO FOOTING EXPOSURE. RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, INSTALLING BRIDGE END MARKERS TO SOUTH, AND CLEARING GRAVEL FROM DECK. PLACE RIPRAP AROUND PIERS.



North Approach Looking South



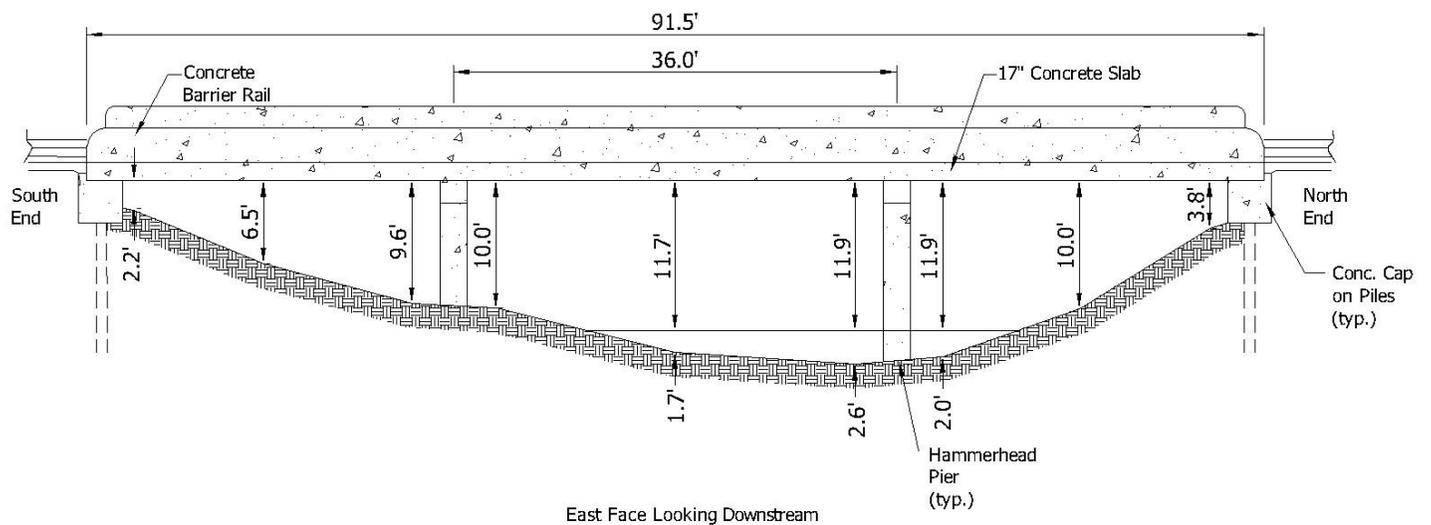
East Face Looking Downstream



Looking at End Bent 1



Looking at Undercutting at End Bent 4 with Exposed Pile



MONTGOMERY COUNTY - BRIDGE NO. 54-00174
 CR 550E over HAW CREEK

STRUCTURE INVENTORY & APPRAISAL SHORT FORM

ASSET NAME: 54-00174

IDENTIFICATION

1. State:..... 185 - Indiana
 2. District:..... 01 - Crawfordsville
 3. County:..... 054 - MONTGOMERY
 4. Place Code:..... 00000 - N/A
 6. Features Intersected:..... HAW CREEK
 7. Facility Carried:..... CR 550E
 8. NBI #:..... 5400130
 9. Location:..... 00.10 S of CR 1100S
 16. Latitude..... 39.87891 Decimal Degrees
 17. Longitude..... -86.79897 Decimal Degrees

STRUCTURE TYPE

43. Structure Type – Main:
 A. Material..... 2 - Concrete continuous
 B. Type of Design..... 01 - Slab
 44. Structure Type – Approach:
 A. Material..... 0 - Other
 B. Type of Design..... 00 - Other
 45. No. of Spans – Main:..... 3
 46. No. of Spans – Approach:..... 0000
 107. Deck Type:..... 1 - Concrete Cast-in-Place
 108. Wearing Surface / Protection System
 A. Wearing Surface..... 6 - Bituminous
 B. Deck Membrane..... 0 - None
 C. Deck Protection..... 0 - None

AGE OF SERVICE

27. Year Built:..... 1967
 106. Reconstructed:..... 0
 42. Type of Service:
 A. On Bridge..... 1 - Highway
 B. Under Bridge..... 5 - Waterway
 28. Lanes
 A. On Bridge:..... 2
 B. Under Bridge:..... 0
 29. ADT:..... 2200 VPD
 30. ADT Year:..... 2022
 109. ADTT:..... 13 %

GEOMETRIC DATA

48. Maximum Span Length..... 36.0 Ft.
 49. Total Structure Length:..... 91.5 Ft.
 50A. Sidewalk/Curb Left:..... 0.8 Ft.
 50B. Sidewalk/Curb Right:..... 0.8 Ft.
 51. Bridge Roadway Width: (Curb-Curb):..... 27 Ft.
 52. Deck Width (o-o):..... 31 Ft.
 32. Approach Roadway Width:..... 22.0 Ft.
 34. Skew:..... 0 Degree(s)
 47. Total Horizontal Clearance..... 26.8 Ft.
 53. Vertical Clearance over Deck:..... 99.99 Ft.
 54. Min. Vertical Underclearance:..... 0.00 Ft.
 55. Min. Lateral Underclearance - Right:..... 0.0 Ft.
 56. Min. Lateral Underclearance - Left:..... 0.0 Ft.

LOAD RATING AND POSTING

31. Design Load:..... 0 - Unknown
 64. Operating Rating:..... 48 Tons
 66. Inventory Rating:..... 36 Tons
 66B. Inventory Rating (H):..... 22 Tons
 70. Bridge Posting:..... 5 - Equal to or above legal loads
 41. Open, Posted, or Closed:..... A - Open
 66C. Tons Posted:..... Tons
 66D. Date Posted/Closed:.....

INSPECTIONS

90. Inspection Date:..... 05/03/2022
 91. Des. Inspection Frequency..... 24 Months
 92. Critical Feature Inspected:
 A..... N Mos. B..... N Mos. C..... N Mos.
 93. Critical Feature Inspection Date:
 A:..... B:..... C:.....

PROPOSED IMPROVEMENTS

97. Year Needed:.....
 75A. Type Work:.....
 76. Improvement Length:..... 0.0 Ft.
 94. Bridge Improvement Cost..... 0 x 1000
 95. Roadway Improvement Cost..... 0 x 1000
 96. Total Project Cost:..... 0 x 1000
 Sufficiency Rating (Unofficial)..... 72.3

CONDITION

<u>CONDITION / MATERIAL</u>	<u>RATING</u>
58. Deck:..... SATISFACTORY-HAIRLINE CRACKS, SPALLS, DELAMINATIONS. HEAVY EFFLORESCENCE FULL LENGTH ALL SPANS Material: CONCRETE.....	6
58.01. Wearing Surface:..... GOOD- NEW BITUMINOUS PAVEMENT. NOT FULL WIDTH. GRAVEL AND SOIL BUILD UP ALONG GUTTERS Material: BITUMINOUS (5").....	7
59. Superstructure:..... SATISFACTORY-SPALLS, CRACKING, HEAVY EFFLORESCENCE.....	6
Paint..... N/A.....	N/A
60. Substructure:..... FAIR-BOTTOM OF SOUTH BENT CAP EXPOSED W/ 1 PILE VISIBLE Material: CONCRETE PIERS/END BENTS.....	5
61. Channel:..... HEAVY BANK EROSION, FLOW DIRECTED AT NORTH BENT DUE TO MEANDERING CHANNEL Material: NATURAL/RIPRAP.....	4
62. Culvert:..... N/A Material: N/A.....	N

APPRAISAL

	<u>RATING</u>
67. Structural:.....	5
68. Geometry:.....	3
69. Underclearance:.....	N
	<u>DEFICIENCIES</u>
71. Waterway Adequacy:..... APPEARS ADEQUATE.....	8
72. Roadway Alignment:..... TRANSVERSE CRACKING. SOIL BUILD UP ALOMG SHOULDERS. Material: BITUMINOUS (72): VERY GOOD-INT. NORTH, CREST CURVE.....	8
113. Scour Rating..... STABLE-ACTION REQUIRED. SEE EXECUTIVE SUMMARY FOR NOTES.....	4 - Action is required to protect exposed foundations

EXECUTIVE SUMMARY

HEAVY EFFLORESCENCE ALONG WEST DECKCOLD JOINT, FULLLENGTH, BELIEVED TO BE DUE TO BLOCKED DECK DRAINS AND SEDIMENT BUILD UP TRAPPING DRAINAGE. APPROACH SHOULDERS BUILT UP WITH SOIL DIRECTING DRAINAGE ONTO BRIDGE. END BENTS UNDERCUT. LIGHT EROSION AROUND PIERS. RECOMMEND INSTALLING STANDARD BRIDGE AND APPROACH RAILING AND MISSING BRIDGE END MARKER (SW). PRIORITY SHOULD BE GIVEN TO CLEANING DECK GUTTERS AND DRAINS TO ALLOW DRAINAGE. APPROACH SHOULDER BUILD UP SHOULD BE CLEARED AND DRAINAGE TURNOUTS SHOULD BE CONSTRUCTED AT SOUTH CORNERS TO DIRECT ROADWAY DRAINAGE AWAY FROM BRIDGE. FULL WIDTH PAVEMENT ON DECK WOULD ENCOURAGE DRAINAGE. UNDERPIN END BENTS INSTALL RIPRAP AROUND PIERS AND UP BENT SLOPES PARTICULARLY NORTHEAST CORNER.



East Approach Looking West



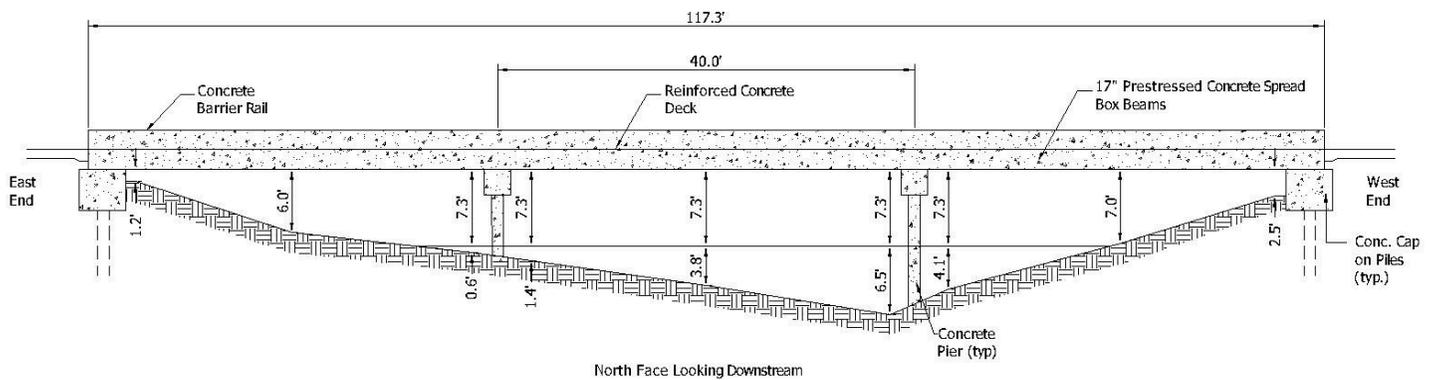
South Face Looking Upstream



Looking at East Face Pier 2



Looking at Drift and Debris at Upstream Nose Pier 2 (2)



North Face Looking Downstream

MONTGOMERY COUNTY - BRIDGE NO. 54-00197
 CR 1200S over BIG RACCOON CREEK

STRUCTURE INVENTORY & APPRAISAL SHORT FORM

ASSET NAME: 54-00197

IDENTIFICATION

1. State:..... 185 - Indiana
 2. District:..... 01 - Crawfordsville
 3. County:..... 054 - MONTGOMERY
 4. Place Code:..... 00000 - N/A
 6. Features Intersected:..... BIG RACCOON CREEK
 7. Facility Carried:..... CR 1200S
 8. NBI #:..... 5400199
 9. Location:..... 00.10 E of CR 240 E
 16. Latitude..... 39.86555 Decimal Degrees
 17. Longitude..... -86.85960 Decimal Degrees

STRUCTURE TYPE

43. Structure Type – Main:
 A. Material..... 6 - Prestressed concrete continuous
 B. Type of Design..... 06 - Box Beams - Spread
 44. Structure Type – Approach:
 A. Material..... 0 - Other
 B. Type of Design..... 00 - Other
 45. No. of Spans – Main:..... 3
 46. No. of Spans – Approach:..... 0000
 107. Deck Type:..... 1 - Concrete Cast-in-Place
 108. Wearing Surface / Protection System
 A. Wearing Surface..... 1 - Monolithic Concrete
 B. Deck Membrane..... 0 - None
 C. Deck Protection..... 1 - Epoxy Coated Reinforcing

AGE OF SERVICE

27. Year Built:..... 1988
 106. Reconstructed:..... 0
 42. Type of Service:
 A. On Bridge..... 1 - Highway
 B. Under Bridge..... 5 - Waterway
 28. Lanes
 A. On Bridge:..... 2
 B. Under Bridge:..... 0
 29. ADT:..... 60 VPD
 30. ADT Year:..... 2022
 109. ADTT:..... 5 %

GEOMETRIC DATA

48. Maximum Span Length..... 40.0 Ft.
 49. Total Structure Length:..... 116.5 Ft.
 50A. Sidewalk/Curb Left:..... 0.0 Ft.
 50B. Sidewalk/Curb Right:..... 0.0 Ft.
 51. Bridge Roadway Width: (Curb-Curb):..... 24.0 Ft.
 52. Deck Width (o-o):..... 27.0 Ft.
 32. Approach Roadway Width:..... 22.0 Ft.
 34. Skew:..... 15 Degree(s)
 47. Total Horizontal Clearance..... 24.0 Ft.
 53. Vertical Clearance over Deck:..... 99.99 Ft.
 54. Min. Vertical Underclearance:..... 0.00 Ft.
 55. Min. Lateral Underclearance - Right:..... 0.0 Ft.
 56. Min. Lateral Underclearance - Left:..... 0.0 Ft.

LOAD RATING AND POSTING

31. Design Load:..... 5 - HS 20
 64. Operating Rating:..... 93 Tons
 66. Inventory Rating:..... 39 Tons
 66B. Inventory Rating (H):..... 26 Tons
 70. Bridge Posting:..... 5 - Equal to or above legal loads
 41. Open, Posted, or Closed:..... A - Open
 66C. Tons Posted:..... Tons
 66D. Date Posted/Closed:.....

INSPECTIONS

90. Inspection Date:..... 05/03/2022
 91. Des. Inspection Frequency..... 24 Months
 92. Critical Feature Inspected:
 A..... N Mos. B..... N Mos. C..... N Mos.
 93. Critical Feature Inspection Date:
 A:..... B:..... C:.....

PROPOSED IMPROVEMENTS

97. Year Needed:.....
 75A. Type Work:.....
 76. Improvement Length:..... 0.0 Ft.
 94. Bridge Improvement Cost..... 0 x 1000
 95. Roadway Improvement Cost..... 0 x 1000
 96. Total Project Cost:..... 0 x 1000
 Sufficiency Rating (Unofficial)..... 99.0

CONDITION

<u>CONDITION / MATERIAL</u>	<u>RATING</u>
58. Deck:..... GOOD-MINOR HAIRLINE TRANSVERSE CRACKS Material: CONCRETE.....	7
58.01. Wearing Surface:..... GOOD-POPOUTS, SAND COVERING DECK DRAINS Material: CONCRETE (8").....	7
59. Superstructure:..... GOOD-NO MAJOR DEFECTS Material: CONT PRESTR CONC BOX BEAM (4-36").....	7
Paint..... N/A.....	N/A
60. Substructure:..... GOOD-LOCAL SCOUR AT PIERS, DEBRIS PILE AT NOSE OF WEST PIER, MINOR HAIRLINE VERTICAL BENT CRACKS Material: CONCRETE PIERS & END BENTS.....	7
61. Channel:..... FAIR-BRIDGE OVERTOPPED REGULARLY Material: NATURAL/RIPRAP.....	5
62. Culvert:..... N/A Material: N/A.....	N

APPRAISAL

67. Structural:.....	<u>RATING</u> 7
68. Geometry:.....	6
69. Underclearance:.....	N

DEFICIENCIES

71. Waterway Adequacy:..... APPEARS BARELY ADEQUATE.....	<u>RATING</u> 5
72. Roadway Alignment:..... SATISFACTORY- GRAVEL/SAND ON APPROACHES Material: RCBA/BITUMINOUS (72): SATISFACTORY-INTERSECTION WEST, CREST VERT. CURVE, STRAIGHT.....	6
113. Scour Rating..... STABLE - WITHIN LIMITS.....	5 - Scour within limits of footing or piles

EXECUTIVE SUMMARY

STRUCTURE PERFORMING WELL. LONGITUDINAL CRACKS FULL LENGTH OF WEARING SURFACE. MINOR TRANSVERSE CRACKS IN DECK. MINOR SCOUR AROUND PIERS. CHANNEL DEBRIS ACCUMULATED AT WEST PIER NOSE.RECOMMEND ADDING RIPRAP AROUND PIERS AND ALONG EAST BENT SLOPE, REMOVING CHANNEL DEBRIS, CLEANING GUTTERS AND DRAINS, AND INSTALLING BRIDGE END MARKERS.(2022)-LONGITUDINAL CRACKS FULL LENGTH OF WEARING SURFACE. MINOR TRANSVERSE CRACKS IN DECK. MINOR SCOUR AROUND PIERS. CHANNEL DEBRIS ACCUMULATED AT PIER 2 UPSTREAM NOSE.RECOMMEND ADDING RIPRAP AROUND PIERS AND ALONG EAST BENT SLOPE, REMOVING CHANNEL DEBRIS, CLEANING GUTTERS AND DRAINS, AND INSTALLING BRIDGE END MARKERS.