

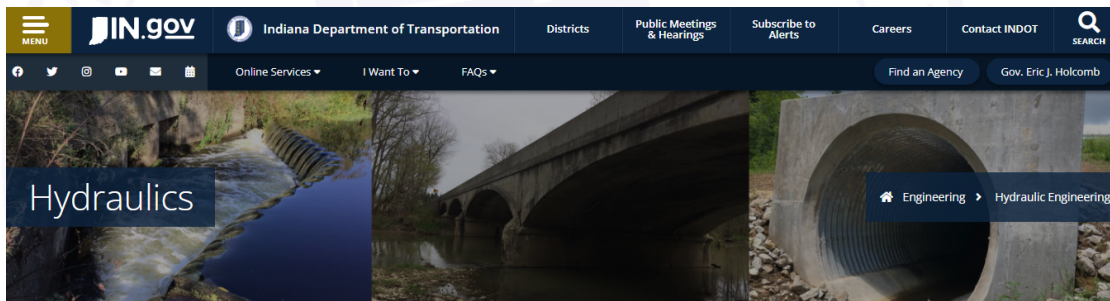
How did we get here?

- Scour is very important.
- 1989
- Early days
- Let's fix it!

3

Where are we now?

- <https://www.in.gov/indot/engineering/hydraulic-engineering/>



INDOT Hydraulic Engineering designs or reviews all waterway projects including, but not limited to, bridges, culverts, storm sewers, and detention ponds along state roads, U.S. routes or interstates or local projects built with state or federal funds.


4

Where are we now?

- Under Submitting Documents
 - Bridge and Scour


Bridge and Scour

- [Sample Bridge Report](#)
- [Sample Scour Report](#)
- [Scour Memo Template](#)
- [Scour Memo Template Instructions](#)
- [HEC-RAS Memo Template](#)
- [HEC-RAS Memo Template Instructions](#)



5

Where are we now?



INDIANA DEPARTMENT OF TRANSPORTATION

150 North Senate Avenue
Room N752 - Hydraulics
Indianapolis, Indiana 46204

PHONE: (317) 233-2006
FAX: (317) 233-4020

Eric Holcomb, Governor
Michael [Smith, Commissioner](#)

< Date >

TO: XXXX XXXXX
INDOT Project Manager, XXXXX District

FROM: XXXX XXXXX
Consultant Hydraulics Engineer


SUBJECT: SCOUR LETTER
Structure Number: XXX-XX-XXXX
Location: XXXXX
Des. #: XXXXX
Crossing: XXXXX
Consultant: Consultant Firm Name
SPMS Type of Work: XXXXX

PART A - HYDRAULICS SCOUR DATA - PROVIDED BY CONSULTANT HYDRAULICS ENGINEER

ANALYSIS: XXXX XXXXX PE Consultant Hydraulics Engineer		Consultant PE Stamp
REVIEWER: XXXX XXXXX P.E. INDOT Hydraulics Engineer		

Drainage Area	XX	sq.mi	
Q100 (AEP 1%)	XXX	cfs	
Q100 (AEP 1%) Elevation	XXX.X	ft	

Approved Scour Data	Three Span		
Q100 (AEP 1%) Contraction Scour	XX	ft.	
Q100 (AEP 1%) Total Scour	XX	ft.	
Flowline Elevation	XXX.X	ft.	(from HEC-RAS model)
Q100 (AEP 1%) Low Scour Elevation	XXX.X	ft.	
Q100 (AEP 1%) Max Velocity	XXX	ft/s.	
Q100 (AEP 1%) Avg Velocity	XXX	ft/s.	



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Where are we now?

	Location			
	EB 1	Pier 2	Pier 3	EB 4
Bottom of Footing El.	880.93	880.99	880.99	880.93
Low Pile Elevation	858.07	853.07	853.07	858.07
Clear (AFP) Low Scour Elevation	862.00	862.00	862.00	862.00
Exposed Pile Length (ft.)	18.93	18.99	18.99	18.93
Length of Pile Still Buried (ft.)	3.93	8.93	8.93	3.93
D ₅₀ of Soil used in Scour Analysis (mm)	0.01	0.01	0.01	0.01
# of Rows of Piles	1	1	1	1

File Material Type: XXXX

Provided Narrative as needed.

Part A of this scour letter is provided by the Hydraulics Section and identifies the low scour elevation from the hydraulic analysis and makes recommendations for scour mitigation measures. The information from Part A may be used by the Bridge Section and the Engineer of Record to make the Bridge Scour Critical Determination in Parts B and C of this letter, unless the final determination is made by the Hydraulics Engineer and noted as such in Part A. The stamp and signature provided by the INDOT Hydraulics Section is for the information provided in Part A.

If the bridge is determined to be scour critical the following measures are recommended:

Identify Scour Mitigation Measures.

Part A Scour Status

- Final Determination – Parts B and C not applicable
 - Not Scour Critical
 - Scour Critical
- Scour Status Pending Part B

CIF Permit required: (Y-if scour critical/N)

Justification Comments:

Where are we now

If you have any questions or comments, please contact me at (XXX) XXX-XXXX.



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Where are we now?

Part A Scour Status

- Final Determination – Parts B and C not applicable
 - Not Scour Critical
 - Scour Critical
- Scour Status Pending Part B

CIF Permit required: (Y-if scour critical/N)

Justification/Comments:



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Where are we now?

PART B – BRIDGE SCOUR CRITICAL DETERMINATION – PROVIDED BY INDOT BRIDGE DESIGN
 The recommendations given in Parts B and C are based on the Scope of Project indicated in the Subject of this memo. Changes to the project scope require a resubmittal of the scour analysis to INDOT Hydraulics Section.

DETERMINATION BY: XXXX XXXXX, PE
 INDOT Bridge Design Engineer

PE Signature:

Date Signed:

PE Stamp:

Part B Bridge Scour Status (once determination is made, send memo back to INDOT Hydraulics)


Not Scour Critical – Part C not applicable

Scour Critical

Final Determination - The scour countermeasures indicated in Part A of this memo shall be installed, even if the bridge may have sufficient structural and geotechnical capacity in the scoured condition. Part C not applicable

Contingent Determination - If structural and geotechnical analysis indicates that the existing foundations can accommodate all design loads while considering the potential loss of supporting material to the scour depths given in Part A of this memo, the Bridge Engineer of Record may consider the bridge to be Not Scour Critical. All applicable load cases shall be considered to ensure that the foundations are adequate for all vertical, transverse, lateral, and flexural loads. Special attention should be given to changes in bearing types during bridge rehabilitation projects that could lead to changes in the distribution of longitudinal forces and thermal restraint induces forces to the substructure units. In cases where the installation of scour countermeasures is not anticipated to result in significant environmental or economic impacts, the Bridge Engineer of Record may choose to forego this investigation and consider the bridge to be Scour Critical.

Contingent Determination - If Part A indicates that the scour countermeasures shown in the existing plans are sufficient, the Bridge Engineer of Record may verify that these countermeasures are still in place, and thereby determine the bridge to be Not Scour Critical due to the presence of previously installed scour countermeasures.



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Where are we now?

PART C – BRIDGE SCOUR CRITICAL DETERMINATION – PROVIDED BY BRIDGE ENGINEER OF RECORD

The INDOT Project Manager, INDOT Bridge Asset Engineer, and the Bridge Engineer of Record may determine that a 'Scour Critical – Contingent Determination' warrants further analysis due to environmental, economical, or other considerations. If the analysis concludes that the bridge has sufficient structural and geotechnical capacity in the scoured condition, the Bridge Engineer of Record may determine the bridge to be 'Not Scour Critical'.

DETERMINATION BY: XXXX XXXXX, PE
 Bridge Engineer of Record

PE Signature:

Date Signed:

PE Stamp:

REVIEWER: XXXX XXXXX, P.E.
 INDOT Bridge Design Engineer


PE Signature:

Date Signed:

Part C Bridge Scour Status (once determination is made, send memo back to INDOT Hydraulics)

Scour Critical

Not Scour Critical



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When do we have to do a scour analysis?

• Bridge Rehab Projects *

1. Projects specifically addressing scour mitigation
2. Bridges with observed scour in the field.
3. Bridge with a Scour Analysis Status equal to 7 in BIAS

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BIAS?

indot-it.bentley.com/login.aspx

Bentley

AssetWise Asset Reliability Inspections
CONNECT Edition

Remember Me

[Forgot password?](#)

Login

12

BIAS?

AssetWise CONNECT Edition
Main Collector Manager Administration Help

469

Report Filter	Asset Details
	26363-86-04697 B [022828] (04.76 S SR 28) @ (REDWOOD CREEK)
	006-17-04695 B [001850] (01.81 W SR 427) @ (I-69 NB/SB)
	018-09-01971 A [004690] (01.90 E SR 29) @ (GRASS RUN CREEK)
	041-42-05083 BSBL [014690] (00.58 S US 50) @ (KELSO CREEK)
	056-39-02469 [020340] (00.18 W SR 7) @ (ABANDONED RR)
	057-26-01469 A [020520] (01.39 S SR 168) @ (SMITH FORK)
	066-88-07469 A [023685] (01.00 W US 150) @ (HONEY CREEK)
	067-18-05469 B [024190] (03.64 S SR 3) @ (NO NAME CREEK)
	071-04-05833 B [024690] (00.26 S SR 18) @ (SALMON CREEK)
	09-00509 [006469] (00.53 S OF US 24) @ (GOOSE CREEK)

No rows found

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BIAS?

AssetWise CONNECT Edition
Main Collector Manager Administration Help

Type Asset Name Here...

Asset Details: (263)63-86-04697 B
✉ Sent Emails
+ Show More Details
✎ Edit Asset Values
📍 Show on Map
+ Create Report

Quick View
Asset Info
Files
Scheduling
Administration

Parent Asset: Crawfordsville

Asset Name: (263)63-86-04697 B

Asset Code: 022828

Asset Type: Bridge

Structure Status: Active Structure

NBI 098A: Border Bridge: Neighboring State Code:

NBI 099: Border Bridge Structure Number:

NBI 098B: Border Bridge: Percent Responsibility:

Border Bridge: No

Lead State: N/A

Add'l Structure Details:

NBI 007: Facility Carried by Structure: SR 263

NBI 006: Feature Intersected: REDWOOD CREEK

NBI 009: Location: 04.76 S SR 28

NBI 011: Milepoint: 0005.410

NBI 016: Latitude: 40.21189

NBI 017: Longitude: -87.39365

NBI 058: Deck: 6 - Satisfactory Condition (minor deterioration)

NBI 059: Superstructure: 6 - Satisfactory Condition (minor deterioration)

NBI 060: Substructure: 6 - Satisfactory Condition (minor deterioration)

NBI 061: Channel and Channel Protection: 7 - Bank protection needs minor repairs

NBI 062: Culverts: N - Not Applicable

NBI 041: Structure Open, Posted, or Closed to Traffic: A - Open

MAD-RP: 5

MAD-Offset: 0.432

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BIAS?

The report sections below are included in the selected group.

Save Order Changes Add Sections/PDF Attachments View PDF

Remove Section	Order	Section Name	View	Print	Include In Table of Contents	Ins Cov Pa; Def Sect
	1	Report Cover	View	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	2	Table of Contents	View	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	3	Location Map	View	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	4	Executive Summary	View	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	5	National Bridge Inventory	View	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	6	Elements	View	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	7	Pictures	View	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	8	Sketches	View	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	12	Maintenance Needs	View	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Save Order Changes Add Sections/PDF Attachments View PDF Email PDF

Forms

- Report Info
 - Report Sections
 - Pictures/Files
 - Location Map
 - Asset Files
 - NBI Error Check
- Field Notes
 - National Bridge Inventory
 - Under Records
 - NBI Calculations
 - Element Inspection
 - Executive Summary
 - Scour Plan of Action-W
 - Delinquent Inspection Reporting
- Misc Asset Data
 - Miscellaneous Asset Data
 - MAD2
 - Scour Channel Profile
 - Bridge POA Monitoring Log
- Scour Analysis
 - Scour Analysis
- Maintenance
 - Maintenance - Bridge
- Critical Finding
 - Critical Finding Maintenance
- Load Rating - Bradin
 - Load Rating - Bradin
- History

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BIAS?

National Bridge Inventory Scour Critical Bridge Appraisal

NBI 113: Scour Critical Bridges NBI 113a Scour Critical Bridges Comments

Scour Determination by Analysis (To Be Completed by Hydraulics)

Scour Analysis Status: 5-Scou Scour Analysis Date: Scour Analysis Determination:

Hydraulics Comments:

Scour Critical Follow-up Action by Bridge Inspection

Scour Critical Safety Status: Date of Counter Measure Placed or Field Verified:

Bridge Inspection Comments:

Scour Delineators installed:

Forms


- Report Info
 - Report Sections
 - Pictures/Files
 - Location Map
 - Asset Files
 - NBI Error Check
- Field Notes
 - National Bridge Inventory
 - Under Records
 - NBI Calculations
 - Element Inspection
 - Executive Summary
 - Scour Plan of Action-W
 - Delinquent Inspection Reporting
- Misc Asset Data
 - Miscellaneous Asset Data
 - MAD2
 - Scour Channel Profile
 - Bridge POA Monitoring Log
- Scour Analysis
 - Scour Analysis
- Maintenance
 - Maintenance - Bridge
- Critical Finding
 - Critical Finding Maintenance
- Load Rating - Bradin
 - Load Rating - Bradin

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BIAS?

IS 5-Scou
Scour Analysis Date

- 1-Scour Analysis on file
- 2-Scour POA on file
- 3-Scour Analysis is NOT on file, bridge should have been designed for scour
- 4-Scour Analysis is not on file, scour analysis being performed in house
- 5-Scour Analysis not on file, scour analysis needed**
- 6-Scour Analysis not needed. Structure type is not susceptible to scour
- 7-Bridge programmed to be rehabbed or replaced



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BIAS?

National Bridge Inventory Scour Critical Bridge Appraisal

NBI 113: Scour Critical Bridges NBI 113a Scour Critical Bridges Comments

Scour Determination by Analysis (To Be Completed by Hydraulics)

Scour Analysis Status Scour Analysis Date Scour Analysis Determination


Hydraulics Comments

Scour Critical Follow-up Action by Bridge Inspection

Scour Critical Safety Status Date of Counter Measure Placed or Field Verified

Bridge Inspection Comments

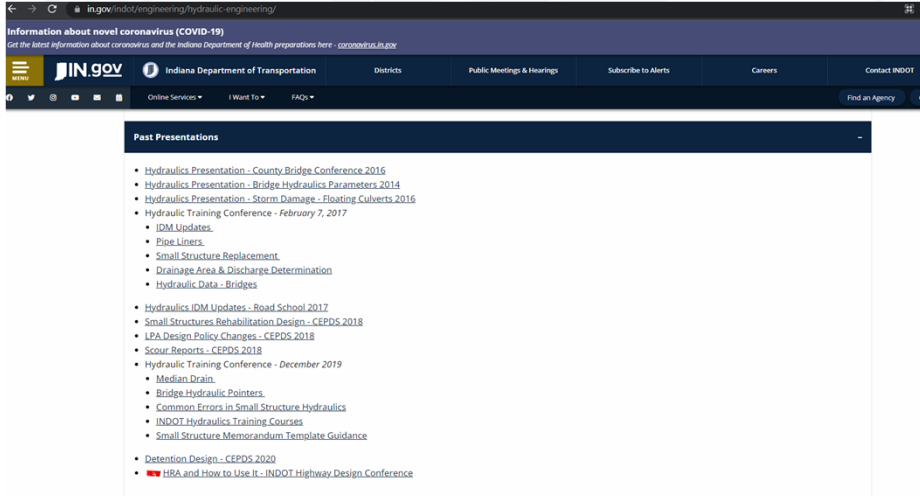
Scour Delineators installed



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HRA Demonstration

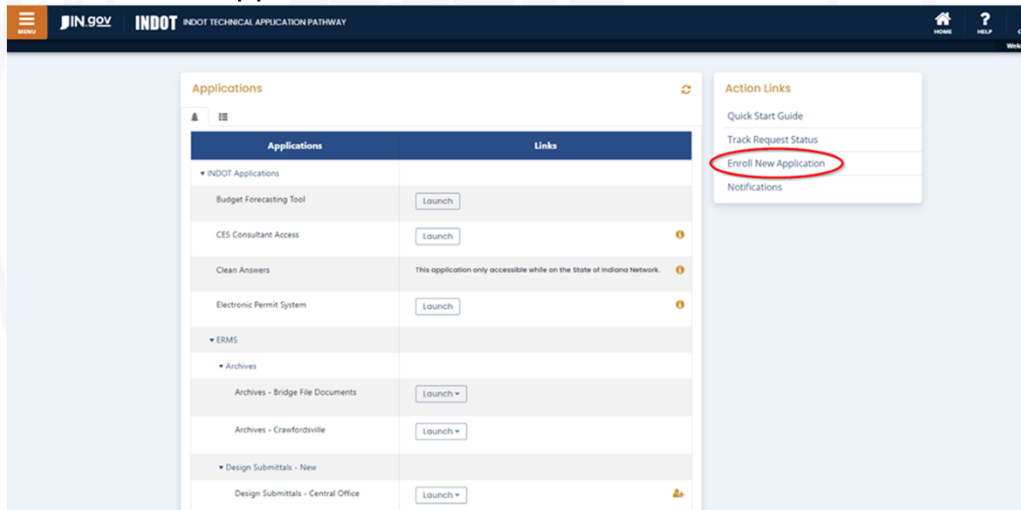
- <https://www.in.gov/indot/engineering/hydraulic-engineering/>



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HRA Demonstration

- <https://itap.indot.in.gov/>
- Click **Enroll New Application**



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HRA Demonstration

The screenshot shows a navigation menu with the following items:

- Human Resources (highlighted with a red box)
- Bonus Automation System (Launch button, info icon)
- Employee Development Training Admin (Launch button, info icon)
- Employee Development Training Request (Launch button, info icon)
- HR Organizational Charts (Launch button, info icon)
- Hydraulics Request Application (highlighted with a red box, Launch button, user icon)
- PathWeb (Launch button, info icon)
- PayWise (Launch button, user icon, info icon)
- Professional Services Contracting System

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HRA Demonstration

- What role to you need to request?

The screenshot shows the 'Application Roles' page with the following table:

Role	Description	Auto Assign	Mai... Ext...	Allow Registration	Status Date
HRA Bridge QA	HRA Bridge QA Role	Not Auto-Assigned	No	Internal, External (excl. An...	Active 3/25/2021
HRA QA	HRA QA Activity Role	Not Auto-Assigned	No	Internal, External (excl. An...	Active 3/25/2021
HRA Reviewer	HRA Read-only Reviewer	Not Auto-Assigned	No	Internal, External (excl. An...	Active 3/25/2021
HRA Requester	HRA Requester	Not Auto-Assigned	No	Internal, External (excl. An...	Active 3/25/2021
HRA Engineer	HRA Enigneer	Not Auto-Assigned	No	Internal, External (excl. An...	Active 3/25/2021
Administrator	Administrator	Not Auto-Assigned	No	Internal, External (excl. An...	Active 3/25/2021

Page 1 of 1, 10 items per page, 1 - 6 of 6 items

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HRA Demonstration

Summary
All Total: 1135

- 309 Past Due
- 9 Due Soon
- 4 Saved
- 219 Submitted
- 41 In Progress
- 44 Ready for QA
- 5 QA In Progress
- 2 Ready for Bridge QA
- 0 Bridge QA In Progress
- 692 Complete

My Tasks | All Tasks | Include Completed Requests

Request ID	Created By	Created User/ Organizat...	Route Name	Asset #	New Undocumented Asset #	Dis #	INDOT Project Mark...	Is Survey Need...	Assigned To	Reg... Type	Design Review	Job Type	Created Date	Due Date	Status
1	Bailey, Mark	INDOT - Hydraulics Engineer	I-465	1455-155-10518 B		1900758	Shattuck, Brian	No		Bridge	Review	Replacement only	03/29/2021	04/02/2021 -228 day(s)	Cancelled
22	Bailey, Mark	INDOT - Hydraulics Engineer	I-465	1455-155-10518 B		1900758	Shattuck, Brian	No	Schmidt, William	Bridge	Review	Replacement only	03/29/2021	04/05/2021 -225 day(s)	Approved
83	Bailey, Mark	INDOT - Hydraulics Engineer	I-69	037-49-10555 NBL		1801721	Pangallo, Andrew	No	Schmidt, William	Bridge	Review	Replacement only	03/31/2021	04/06/2021 -224 day(s)	Approved
101	Bailey, Mark	INDOT - Hydraulics Engineer	PR 69	1455-159-10580		1801695	Pangallo, Andrew	No	Schmidt, William	Bridge	Review	Replacement only	04/05/2021	04/09/2021 -221 day(s)	Approved
2	System, HRA	System Users	SR 64			T0000148322		No	Dougherty, Merril	Permit			03/29/2021	04/12/2021 -217 day(s)	Approved
21	System, HRA	System Users	SR 48			T0000147523		No	Dougherty, Merril	Permit			03/29/2021	04/12/2021 -217 day(s)	Approved

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HRA Demonstration

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HRA Demonstration

Summary

Total: 48

21
Past Due

0
Due Soon

8
Submitted

6
In Progress

1
Ready for QA

3
QA In Progress

0
Ready for Bridge QA

0
Bridge QA In Progress

30
Complete

+ New Request

Include Completed Requests

	Request ID	Created By	Created User Organization	Route Name	Asset #	New Undocume... Asset #	Des #	INDOT Project Manager	Is Survey Needed?	Re
	3	Bracamontes, David	INDOT - Technical Services 3		CV 032-048-095 58, CV 1465-049-44 50	CLV 002-064-43.62			Yes	Smi
	264	System, HRA	System Users	Route 53		TAB114234			No	Pen
	44	Boehm, James	INDOT - Hydraulics Engineer			1-65 CLV 28190			No	Smi
	90	Bracamontes, David	INDOT - Technical Services 3		033-20-02765				No	Brid

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HRA Demonstration

Create Hydraulics Request ✕

Request Type

* Fields with this color background

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HRA Demonstration

The screenshot shows a 'Create Hydraulics Request' dialog box. The 'Request Type' is set to 'Bridge', 'Asset # or Des #' is 'Des #', and 'Des #' is '190075'. The 'Design or Review' dropdown menu is open, showing a list of design numbers from 1900751 to 1900754. A note at the bottom of the dialog states: '* Fields with this color background are required'. A 'Cancel' button is visible in the bottom right corner of the dialog.

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HRA Demonstration

The screenshot shows the 'Create Hydraulics Request' dialog box with the 'Design or Review' dropdown menu set to 'Review'. The 'Des #' field now contains '1900758'. The 'Create' button is highlighted in blue, and the 'Cancel' button is greyed out. The note '* Fields with this color background are required' is still present at the bottom of the dialog.

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HRA Demonstration

hraqa.indot.in.gov/Hydraulics/Home/RatingRequest/1429

Progress: Saved > Submitted > In Progress > Ready for QA > QA In Progress > Completed

Request Information

Request Type	Bridge
Design Review	Review
Sub Type	<input type="text" value="Scour"/>
Standard Priority Due Date	
Due Date Shorter Or Longer Than 45 Days?	
Is Resubmittal?	

Request Determination

Asset #	<input type="text" value="I465-165-10518 B"/>	Notes
New Undocumented Asset #	<input type="text"/>	

NextLevel INDIANA

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HRA Demonstration

hraqa.indot.in.gov/Hydraulics/Home/RatingRequest/1429

Progress: Saved > Submitted > In Progress > Ready for QA > QA In Progress > Completed

Request Information

Request Type	Bridge
Design Review	Review
Sub Type	Replacement only
Standard Priority Due Date	04/06/2022
Due Date Shorter Or Longer Than 45 Days?	<input type="checkbox"/>
Is Resubmittal?	No

Request Determination

NextLevel INDIANA

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HRA Demonstration

hraqa.indot.in.gov/Hydraulics/Home/RatingRequest/1429

Saved
Submitted
In Progress
Ready for QA
QA In Progress
Completed

Request Information

Request Type	Bridge
Design Review	Review
Sub Type	Replacement only
Standard Priority Due Date	04/06/2022
Due Date Shorter Or Longer Than 45 Days?	<input type="checkbox"/>
Is Resubmittal?	No

Request Determination

Asset #	I465-165-10518 B	Note: Ass
New Undocumented Asset #		
NBI #		
Des #	1900758	SPMS DES Full Project Listing
Route Name		

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HRA Demonstration

INDOT Project Manager Shattuck, Brian

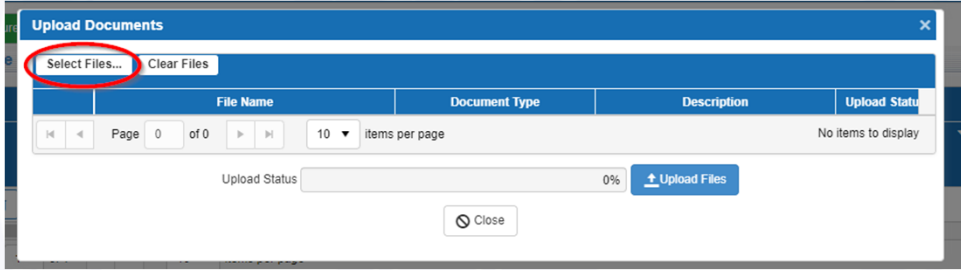
Is There Known Overtopping Or Erosion? No

Document Attachment

+	↺	Document Name	Document Type
Page 0 of 0 10 items per page			

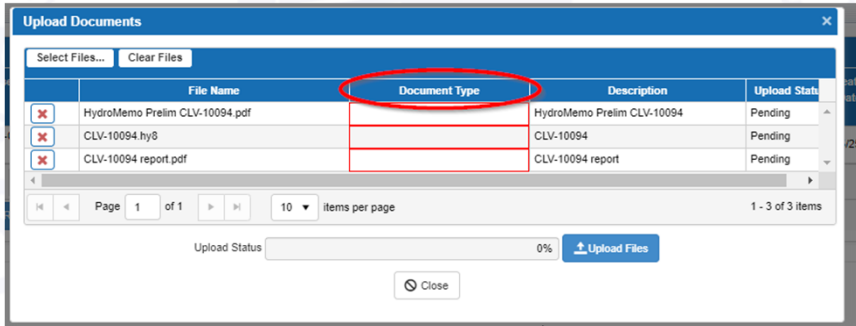
32

HRA Demonstration



33

HRA Demonstration



34

HRA Demonstration

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HRA Demonstration

All design requests have no required file types.						
		Design Computations	Plans	Preliminary Memo	Model	Reports
Bridge	Scour	One of these	X	X	X	One of these
	Replacement Only	One of these	X	X	X	One of these
	Other	One of these		X		One of these
Drainage Complaint		One of these		X		One of these
LPA		One of these	X	X	X	One of these
Road: Storm Sewer or Detention	Storm Sewer	One of these	X			One of these
	Detention	One of these	X			One of these
	Other	One of these	X			One of these
Small Structure	Rehab and replacement options	One of these		X	X	One of these
	Replacement only	One of these		X	X	One of these

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HRA Demonstration

	File Name	Document Type	Description	Upload Status
	What You Can and Cannot Ask in an Interview.pdf	Design Computations	What You Can and Cannot Ask in an Int...	Pending
	SearchExport (17).xlsx	Plans	SearchExport (17)	Pending
	Scour-Data-Form-Instruction-for-Consultants-ver-3....	Preliminary Memo	Scour-Data-Form-Instruction-for-Consult...	Pending
	ScourMemo 067-38-04833C.pdf	Model	ScourMemo 067-38-04833C	Pending

Page 1 of 1 | 10 items per page | 1 - 4 of 4 items

Upload Status: 0% | Upload Files | Close

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HRA Demonstration

Rating Request [ID:828] | HRA - Google Chrome

hraqa.indot.in.gov/Hydraulics/Home/RatingRequest/828

Saved > Submitted > In Progress > Ready for QA > QA In Progress > Completed

Request Information

Request Type: Small Structure | Created By: [Name]

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HRA Demonstration

Source:

INDOT Project Manager: Shattuck, Brian

Is There Known Overtopping Or Erosion? No

Document Attachment

		Document Name	Document Type	Description
🔍	📄	HYD What You Can and Cannot Ask in an Interview 1900758 for Hydraulics Ser...	Design Computations	What You Can and Cannot Ask in an Interview
🔍	📄	HYD SearchExport (17) 1900758 for Hydraulics Services.xlsx	Plans	SearchExport (17)
🔍	📄	ScourMemo 067-38-04833C.pdf	Model	ScourMemo 067-38-04833C
🔍	📄	prelim ScourMemo 1465-165-10518 B 02-20-2022 doc	Preliminary Memo	Scour-Data-Form-Instruction-for-Consultants-ver-3.0

Page 1 of 1 10 items per page

* Fields with this color background are required

📄 Save For Later
 ✔ Submit Request
 ✖ Cancel Request

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HRA Demonstration

hraqa.indot.in.gov/Hydraulics/Home/RatingRequest/1429

Saved
 Submitted
 In Progress
 Ready for QA
 QA In Progress
 Completed ⓘ

Request Information

Request Type	Bridge
Design Review	Review
Sub Type	Replacement only
Standard Priority Due Date	04/06/2022 📅
Due Date Shorter Or Longer Than 45 Days?	<input type="checkbox"/>
Is Resubmittal?	No

Request Determination

40

HRA Demonstration

Summary

Total: 151

123 Past Due, 0 Due Soon, 59 Saved, 44 Submitted, 10 In Progress, 1 Ready for QA, 4 QA In Progress, 0 Ready for Bridge QA, 0 Bridge QA In Progress, 33 Complete

My Tasks

+ New Request

Include Completed Requests

	Requ... ID	Created By	Created User Organiz...	Route Name	Asset #	New Undocu... Asset #	Des #	INDOT Project Man...	Is Survey Need...	Requ... Type	Design Review	Sub Type	Created Date	Due Date	Status
	1429	Bammann, Clair	INDOT - Hydraulics Engineer		I465-165-10518 B		1900758	Shattuck, Brian	No	Bridge	Review	Replacement only	02/20/2022	04/06/2022 45 day(s)	Submitted

NextLevel INDIANA

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Pro Tips

- You have to have an asset # or new undocumented asset # before you can submit a request.
 - If you have a new undocumented asset #, you have to click Save for Later before uploading files, or the file upload will not work.
- The HRA will automatically time out after 10 minutes of inactivity, but it won't tell you it timed out.
 - If it's been close to 10 minutes, click the home button in the top right before continuing to work in the system to avoid disappointment.

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Q&A / The End



NextLevel
INDIANA

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Contact Info

- **Mark Bailey**
(317) 233-2096

m Bailey1@indot.in.gov

- **Design Questions:** hydraulics@indot.in.gov

NextLevel
INDIANA

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