

CHECK LISTS



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Intended Use of Manual for INDOT and Local Projects

This manual has been written to set expectations for waterway permitting deliverables and review paths for projects developed by the Indiana Department of Transportation (INDOT). Other projects may also benefit from the guidance in this manual. Specifically, preparers of permits for local projects that receive federal funds and which follow INDOT standard specifications are encouraged to use this manual; however, INDOT does not review permits or other related deliverables for local projects.



PE/PS CHECKLIST

Project: _____
Contract #: _____
Location: _____
Date: _____
Presenter(s): _____

- **Before PRECON**

- PE/PS initial permit review*
 - Locate project specific permits online
 - Print permits and review conditions that must be followed during construction
 - Link all permitted impacts to project plans and contact INDOT-ESD with any questions/concerns
 - Forward to contractor for review
- Permit modifications/waivers*
 - Contractor reviews permits for any modifications/waivers

Includes: temporary impacts (i.e. stream crossings, causeways, pump-arounds, dewatering devices), waivers (i.e. fish spawning, IN Bat tree clearing, bird nesting season), additional impacts outside of construction limits, Rule 5 NOI amendment, etc.

- **PRECON**

- Discussion of necessary permit modifications/waivers*
 - Communicate need to INDOT-ESD (only applicant can modify permits)
 - Allow time for processing at INDOT-ESD and regulatory agencies (several weeks or longer)
- Discussion of expectations for permit compliance*
 - Compliance with all permit conditions during construction
 - Off-site movement of sediment violates multiple waterway permit conditions
- Post all permits onsite prior to the start of construction*
- Utility companies responsible for permitting impacts related to their work*

- **Construction**

- Initial operations (clearing/demolition)*
 - Perimeter control measures installed prior to land disturbing activities
 - Temporary erosion control measures installed following clearing/demolition (temporary seed/mulch)
- Avoiding non-permitted impacts*
 - Knowledge of all permit conditions and the stream/wetland/habitat impacts that are permitted/not permitted
 - Permitted activities/impacts are not exceeded or modified without consultation with INDOT-ESD
 - Off-site borrow/disposal forms prepared by contractor and spot checked by PE/PS
 - Compliance with IN Bat tree clearing restrictions **IF REQUIRED** (no clearing April 1 - September 30)
 - Compliance with fish spawning season restrictions **IF REQUIRED** (no in-stream work April 1 - June 30)
 - Compliance with nesting season restrictions **IF REQUIRED** (no work May 7 – September 7)
 - Questions/concerns during construction should be directed to INDOT-ESD
- Erosion/sediment control*
 - Perimeter control measures installed prior to land-disturbing activities

- Focus on erosion control measures (sediment control measures should be a secondary focus)
- Weekly/rain event inspections reports provided by contractor and spot checked for accuracy by PE/PS
- Slopes properly tracked per 203.09 of INDOT Standard Specifications
- Measures correctly installed and maintained per INDOT Standard Specifications
- Modify as needed for field conditions
- Permit violation response*
 - Coordinate with INDOT-ESD
 - Formal response detailing corrective action prepared by contractor and PE/PS for all Rule 5 violations
- Mitigation site construction*
 - Constructed per project plans or changes to plans coordinated with INDOT-ESD
 - Questions/concerns during construction should be directed to INDOT-ESD for resolution

Resources:

- **IDEM Emergency Response # 1-888-233-7745** (http://www.in.gov/idem/files/er_quickref.pdf)
- **IDEM Waterways Permitting Handbook**
(http://www.in.gov/idem/files/wetlands_waterways_booklet.pdf)
Description: IDEM publication that provides general information concerning the legal requirements that apply when persons wish to engage in activities that will impact or affect wetlands or other regulated waters, including lakes, rivers, streams, and ponds.
- **Indiana Storm Water Quality Manual**
(<http://www.in.gov/idem/4899.htm>)
Chapter 7: Storm Water Quality Measures: Construction and Land-Disturbing Activities
Description: IDEM publication that provides the purpose, specifications, installation guidelines, and maintenance guidelines for each erosion and sediment control measure. This chapter also includes information on stabilized construction entrances, secure concrete washouts, and stream crossings.
- **IDNR Permit Application Assistance Manual**
(<http://www.in.gov/dnr/water/4953.htm>)
Description: IDNR publication that assists individuals with the preparation and submission of permit applications and minimize the time spent in the DNR's review process.
- **USGS Topographic Maps**
(<http://inmap.indiana.edu/viewer.htm>)
Description: Online resource for USGS maps which can be used when evaluating an area for potential streams (solid or dashed blue-lines). Open the “Contours, Imagery, and Other” folder on right side of screen and check the box next to the line listed “Topo Map USGS 1:24000.” Zoom in on the map to the location in question.
- **INDOT Links**
 - Project Specific Permits:
(<http://www.in.gov/dot/div/contracts/letting/index.html>)
Description: The above link connects to a database that lists permits for every INDOT project. Click “View or Download Contract Letting Documents.” Select “Permits” for the document type and enter the project’s contract number.

- INDOT Standard Specifications (2012):
(<http://www.in.gov/dot/div/contracts/standards/book/sep11/sep.htm>)
- INDOT Recurring Special Provisions:
(<http://www.in.gov/dot/div/contracts/standards/rsp/sep11/sep11.htm>)
RSP 108-C-192 Rule 5 Storm Water Pollution Prevention Plan
- INDOT Request for Approval of Borrow or Disposal Site (*IC 203 R3 11/09*)
(<http://www.in.gov/dot/div/contracts/standards/forms/IC-203.pdf>)
Description: The contractor is required to complete this form for any off-site borrow or disposal site. It includes what permits, if any, have been obtained by the contractor and whether or not the site has been cleared of wetlands and archaeological resources.
- INDOT Standard Drawings:
(<http://www.in.gov/dot/div/contracts/standards/drawings/sep11/sep.htm>)
Description: The above link connects to standard drawings for riprap check dams, straw bale check dams, sediment traps, inlet protection, silt fence, and slope drains. All erosion and sediment control measures should be installed to INDOT standards.
- General Instructions to Field Employees (GIFE) *Updated 2/24/10*
3.1 Erosion and Sediment Control
(http://www.in.gov/dot/div/contracts/standards/GIFE_Interim09/SECTION%2003.pdf)
Description: Provides a summary of PE/PS responsibilities in regards to erosion and sediment control.
- INDOT, Environmental Services Division (ESD)
Ecology and Waterway Permitting Office (<http://www.in.gov/indot/2675.htm>)
Description: The tasks assigned to this section are summarized on this webpage.

INDOT-ESD Contacts:

- Nathan Saxe, Manager, Ecology and Waterway Permitting Office: (317) 232-0240; nsaxe@indot.in.gov
- _____, Ecology and Waterway Permitting Specialist: (317) 23__-_____;
_____.@indot.in.gov
- _____, Storm Water Specialist: (317) 23__-_____; _____.@indot.in.gov
- Marlene Mathas, Hazmat Specialist: (317) 232-5113; mmathas@indot.in.gov

PERMIT DETERMINATION CHECKLIST

1. PROJECT SPECIFIC INFORMATION		Date:																																				
Project Route/Type																																						
INDOT Des. Number	Contract #																																					
County																																						
Letting Date	RFC Date																																					
2. Reviewer/Contact #																																						
3. Materials Used	<input type="checkbox"/> Waters Determination	<input type="checkbox"/> Scope of Work	<input type="checkbox"/> Project Plans																																			
	<input type="checkbox"/> NEPA Documents	<input type="checkbox"/> Project Data	<input type="checkbox"/> _____																																			
	<input type="checkbox"/> USGS Indiana StreamStats	<input type="checkbox"/> IndianaMAP	<input type="checkbox"/> _____																																			
	Other Resources																																					
Waterway Permit Manual, agency guidance																																						
4. 401 WQC (IDEM)/ 404 (USACE)																																						
a. Are there jurisdictional streams, wetlands and/or ponds within the project area?																																						
<input type="checkbox"/> Yes – Type: <input type="checkbox"/> Stream(s) <input type="checkbox"/> Wetland(s) <input type="checkbox"/> Pond(s) <input type="checkbox"/> No [NPR]																																						
b. If yes, what are the total impacts to the resources (reference the waters report)?																																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"><i>Wetlands</i></th> <th style="width: 35%;">TOTAL ON-SITE</th> <th style="width: 35%;">IMPACTED</th> </tr> </thead> <tbody> <tr> <td>type(s)</td> <td></td> <td></td> </tr> <tr> <td>total acres</td> <td></td> <td></td> </tr> <tr> <td>jurisdictional status</td> <td></td> <td></td> </tr> <tr> <td colspan="3"><i>Streams</i></td> </tr> <tr> <td>LF below OHWM</td> <td></td> <td></td> </tr> <tr> <td>acres below OHWM</td> <td></td> <td></td> </tr> <tr> <td>LF stream relocation</td> <td></td> <td></td> </tr> <tr> <td>net gain/loss</td> <td></td> <td></td> </tr> <tr> <td colspan="3"><i>Ponds</i></td> </tr> <tr> <td>total acres</td> <td></td> <td></td> </tr> <tr> <td>jurisdictional status</td> <td></td> <td></td> </tr> </tbody> </table>			<i>Wetlands</i>	TOTAL ON-SITE	IMPACTED	type(s)			total acres			jurisdictional status			<i>Streams</i>			LF below OHWM			acres below OHWM			LF stream relocation			net gain/loss			<i>Ponds</i>			total acres			jurisdictional status		
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c. Determine the appropriate permit application.																																						
▶ Use State Form 51937 (Louisville or Detroit Districts)																																						
<input type="checkbox"/> Cumulative impacts are <input type="checkbox"/> <300' <input type="checkbox"/> <0.1 ac and/or <input type="checkbox"/> <150' encapsulation																																						
<input type="checkbox"/> There is no stream relocation.																																						
<input type="checkbox"/> What permit (NWP or RGP) does the project qualify for? Are the permit conditions met? See the Waterway Permit Manual chapters 4 and 6 for the submittal requirements.																																						
▶ Use State Form 51821 (Louisville or Detroit Districts)																																						
<input type="checkbox"/> Cumulative impacts are <input type="checkbox"/> >300' <input type="checkbox"/> >0.1 ac and/or <input type="checkbox"/> >150' encapsulation																																						
<input type="checkbox"/> There is stream relocation.																																						
<input type="checkbox"/> NWP and/or RGP conditions are violated.																																						
▶ Use USACE Form 4345																																						
<input type="checkbox"/> 404 IP – a single wetland or stream is impacted that is >1.0 acre or > 1,500'																																						

USACE Chicago District (Lake, Porter, & LaPorte [above I-94] counties) permit applications.

DATE DRAFT DUE TO ES 401 ____ - ____/____/____ **404** ____ - ____/____/____
(401/404 NWP/RGP (6 m pre-RFC), 404 IP (20 m pre-RFC), 401 IP (4 m pre-RFC))

5. Construction in a Floodway (CIF)(IDNR)

- a. Is any stream's individual drainage area ≥ 1 mile²? Yes No [NPR]
Each project location that will impact a DNR jurisdictional floodway will require a permit.
- b. Does the impacted stream qualify under an IDNR exemption? Yes [NPR] No
Exemption Type - Logjam Wetland Restoration Outfall
 Bridge - Project must meet the following five requirements.
 Construction/reconstruction project of a state highway bridge funded by INDOT.
 Upstream drainage area of the waterway is less than or equal to 50 square miles (does not exceed 50 square miles).
 Project is located in a rural area (outside the incorporated limits of a city/town as well as their urban planning zone).
 Project is limited to a bridge or culvert (bank stabilization, roadway repair, and stream relocation are not exempt activities.)
 Each building impacted by the project is higher than the regulatory flood elevation (lowest elevation in the structure including the basement.)
- c. Does the INDOT-IDNR-MOU (maintenance) exemption apply? Yes [NPR] No
Qualified work types may include: pipe liner installation, roadside mowing, herbicide treatments, tree removal/trimming, slide repair to the original slope configuration, replacement of original riprap, scour protection and cleaning roadside ditches to original grade. The original structure waterway opening must be maintained.
- d. If an IDNR CIF permit is required, will mitigation be required? See NRC Information Bulletin #17 – Floodway Habitat Mitigation. Mitigation unit is acres and is based on habitat restoration.
 No mitigation is required.
 Palustrine Emergent Wetland Habitat, 2:1 mitigation ratio.
 Palustrine Shrub-Shrub Wetland Habitat, 3:1 mitigation ratio.
 Palustrine Forested Wetland Habitat, 4:1 mitigation ratio.
 Nonwetland forest (at least one acre of disturbance), 2:1 mitigation ratio.
 Nonwetland forest (less than one acre of disturbance in a rural area), 1:1 mitigation ratio.
 Nonwetland forest (less than one acre of disturbance in an urban area), 5:1 based on trees at least 10" DBH.
- e. Use State Form 42946. **DATE DRAFT DUE TO ES** (9 m pre-RFC) ____/____/____

6. Rule 5

- a. Will > 1 acre of soil be disturbed? Yes No [NPR]
- b. Will there be < 1 acre but >0.90 acres or more of soil be disturbed? No Yes
[Coordination with INDOT-ES Storm Water Team is required.]
- DATE DRAFT DUE TO ES** (5 m pre-RFC) ____/____/____

7. County Regulated Drains

- a. Is the project located on a regulated drain? Yes No [NPR]
- b. Is the project located in Allen, Elkhart, Hamilton, Lake or LaPorte counties?
 Yes No [NPR]

NOTE - Designation as a regulated drain may prevent construction of on-site mitigation.

DATE DRAFT DUE TO ES (4 m pre-RFC) ___/___/___

8. Section 9 (USCG) and Section 10 (USACE)

Does the project impact a navigable waterway? See Waterway Permit Manual.

Yes No [NPR]

DATE DRAFT DUE TO ES Section 9 (5 m pre-RFC) ___/___/___

Section 10 (7 m pre-RFC) ___/___/___

9. Levee

Does the project impact a levee? See Waterway Permitting Manual Ch. 4.6.

Yes No [NPR]

10. Additional Considerations

Fish Spawning Waiver (April 1 – June 30)

Tree Clearing Waiver (April 1 – September 30)

Wildlife Concerns---Swallows, Wildlife Crossing....

Adjacent project that may be looked at cumulatively for impacts/mitigation

ETR – Endangered, Threatened or Rare Species

If marked, notify the project manager in your permit determination response of these conflicts.

11. Follow-up Required

Email to: PM _____ Designer _____

Storm Water _____

cc: Team Lead _____ Other _____

In email, describe what documents were reviewed, what permits are required and why. For preliminary permit determinations include statement "A final permit determination will be done at the time of permit application submittal and/or any change to the scope of the project."

Date sent: _____

Update: Milestones EWPS ProjectWise (file PD email)

Revision – 7/30/2014

401 / 404 NWP – NATIONWIDE PERMIT - CHECKLIST



401/404 Nationwide Permit (NWP) Checklist | 2013

INDOT Environmental Services (ES), Ecology and Waterway Permitting Office (EWPO)

1. PROJECT SPECIFIC INFORMATION

Project Route/Type	
INDOT Des. Number	
County	
Letting Date	

2. PROJECT BACKGROUND

Designer/Firm			
Submittal Date		Submittal Number	
ES Reviewer/Contact Info.			
Review Date			

Review columns are abbreviated as follows: Sufficient (S), Deficient (D), and Not Applicable (NA). All items marked deficient require resolution from the designer prior to INDOT acceptance of the application.

3. NWP Expiration Date

S	D	NA	I. Program Expiration*
			<p>A) The current NWP program expires March 18, 2017. A project must be under construction (already gone to letting) in order to receive an automatic one year extension (expiration 3/18/18). If the proposed project will not be under construction by this date (3/18/17) or finished by the extension deadline (3/18/18) if already started, consider applying for a Regional General Permit (RGP) to avoid permit expiration prior to the project letting.</p> <p><i>Reviewer Notes:</i></p>

*If this table is marked deficient, a different level of permitting should be investigated for the proposed project.

4. NWP #3 Maintenance

S	D	NA	I. Verification**
			<p>A) Project must involve the repair, rehabilitation, or replacement of an <i>existing</i> structure or fill.</p> <p><i>Reviewer Notes:</i></p>
			<p>B) Project impacts are less than 0.1 acres and equal to or less than 300' to jurisdictional waters (rivers, streams, wetlands, lakes, ponds, etc.). Total cumulative impacts should be considered for "<i>single and complete projects</i>." These are typically projects that will be under construction during the same period of time in the same 8-digit watershed.</p> <p><i>Reviewer Notes:</i></p>
			<p>C) Is the waters report and/or wetland delineation less than five years old? If not, a follow-up investigation is warranted to verify findings are still accurate.</p> <p><i>Reviewer Notes:</i></p>
			<p>D) The project will not impact any waters designated as salmonid or Outstanding State and/or National Resource Waters. The project will also not impact any critical wetland or critical special aquatic sites.</p> <p><i>Reviewer Notes:</i></p>
			<p>E) No state endangered, threatened, or rare (ETR) species are documented within a ½ mile radius of the proposed project as documented by the Indiana Department of Natural Resources (IDNR) Division of Nature Preserves. If an ETR species is present, documentation must be obtained from Nature Preserves indicated that the proposed activities will not constitute a violation of state laws protecting these species.</p> <p><i>Reviewer Notes:</i></p>
			<p>F) The proposed project will not permanently change the sinuosity, flow path, velocity, cross sectional area under the ordinary high water mark (OHWM), or the slope of any stream. Stream relocations are not authorized under the NWP program.</p>

			<p><i>Reviewer Notes:</i></p> <p>G) All discharges of riprap into streams are flush with the upstream and downstream bank as well as, stream channel elevations and grades.</p> <p><i>Reviewer Notes:</i></p>
			<p>H) For the replacement of stream encapsulation activities the following requirements must be met:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The replacement will not reduce the cross sectional area under bank full elevation; <input type="checkbox"/> The replacement will not increase the length of the encapsulation to over 150 linear feet; <input type="checkbox"/> The replacement will have the same slope as the existing encapsulation or will more closely match the slope immediately upstream and downstream of the encapsulation; <input type="checkbox"/> The type of replacement encapsulation is the same as the existing type of encapsulation; <input type="checkbox"/> Bank stabilization and channel bottom stabilization do not exceed either one bank full width upstream and downstream of the replacement encapsulation or ten linear feet (whichever is greater); <input type="checkbox"/> Any channel bottom stabilization is flush with the existing grade of the stream bottom; <input type="checkbox"/> Existing encapsulations over 150 ft may be replaced as long as the structure length does not change more than 20 ft upstream and 20 ft downstream (not additive to one end). <p><i>Reviewer Notes:</i></p>
			<p>I) For lining existing structures:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The activity is reviewed and approved by INDOT Office of Hydraulics and the liner size is the largest size listed on the hydraulics memo; <input type="checkbox"/> Riprap scour protection is flush with the upstream and downstream banks as well as, stream channel elevations and grades. <p><i>Reviewer Notes:</i></p>
			<p>J) For all other maintenance activities:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The activity will permanently affect 0.1 acre or less of waters of the U.S.; <input type="checkbox"/> The activity will permanently affect 300 linear ft or less of stream channel, streambank, or lake shoreline; <input type="checkbox"/> For bank stabilization activities, the proposed project must demonstrate that the existing bank or shoreline in question is unstable; <input type="checkbox"/> The activity cannot result in a permanent secondary effect to a waters for the U.S. (for example: dredging, excavation, damming, creation of in channel pools, etc.) that when combined with the primary effect exceeds 0.1 acres and 300' of impacts; <input type="checkbox"/> Any channel bottom stabilization is flush with the existing grade of the stream bottom. <p><i>Reviewer Notes:</i></p>
			<p>K) No unsuitable fill material (trash, debris, asphalt, etc.) will be placed below the OHWM.</p> <p><i>Reviewer Notes:</i></p>
			<p>L) The activity does not take place in close proximity to a public water supply intake (except if the purpose of the project is for repair/improvement of the intake structure).</p> <p><i>Reviewer Notes:</i></p>
			<p>M) Heavy equipment working in wetlands must be placed on mats, or other measures are taken to minimize soil disturbance. Adequate erosion/sediment control measures are incorporated into the project to prevent sediment discharge to jurisdictional waters.</p> <p><i>Reviewer Notes:</i></p>
			<p>N) Project does not affect a property listed, or eligible for listing, in the National Register of Historic Places (i.e. Section 106 must be satisfied).</p> <p><i>Reviewer Notes:</i></p>

****If any of the above requirements are not met, the NWP #3 will not apply and a different level of permitting will be required. Refer to the other 404/401 checklists to determine the correct level of permitting for this project.**

If the project applies under the general NWP #3 conditions (Table D), use Table II to determine the type of NWP permit.

S	D	NA	II. NWP #3 Type (a, b, or c)
			<p>A) The project must meet the following requirements for a 404 NWP #3 (a) to apply:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Project involves the repair, rehabilitation, or replacement of previously authorized and currently serviceable fills and/or structures; <input type="checkbox"/> The proposed project represents only a minor deviation from the existing conditions for maintenance purposes (minor deviations include changes in materials, construction techniques, construction codes or safety standards, etc.); <input type="checkbox"/> Structure and/or fill will not be put to uses differing from those specified or contemplated for it in the original permit; <input type="checkbox"/> No placement of new or additional riprap outside of the existing riprap footprint (i.e. maintenance of existing riprap fill is allowed). <p>A Pre-Construction Notification (PCN) is NOT required for a 404 NWP#3 (a). <i>Reviewer Notes:</i></p>
			<p>B) The project must meet the following requirements for a 404 NWP #3 (b) to apply:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Removal of accumulated sediments and/or debris (not riprap) in the vicinity of and within the existing structure that does not exceed 200' in any direction from the structure; <input type="checkbox"/> Placement of new or additional riprap only to protect a structure (i.e. bank stabilization not associated with a structure requires a separate authorization under the RGP program). <p>A Pre-Construction Notification (PCN) is required for all 404 NWP#3 (b) activities. <i>Reviewer Notes:</i></p>
			<p>C) The project must meet the following requirements for a 404 NWP #3 (c) to apply:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Temporary structures, fills, and work necessary to conduct a maintenance activity; <input type="checkbox"/> Appropriate measures are taken to maintain normal downstream flows and minimize flooding; <input type="checkbox"/> Temporary fill is non-erosive; <input type="checkbox"/> Temporary fill will be removed in the entirety and affected areas returned to pre-construction elevations; <input type="checkbox"/> Disturbed areas must be revegetated. <p>A Pre-Construction Notification (PCN) is NOT required for 404 NWP #3 (c) activities. Note that this type of NWP#3 is issued in conjunction with type (a) and (b). If the project only involves temporary impacts, the NWP#33 should be used instead. <i>Reviewer Notes:</i></p>

After determining the type of NWP #3 required, use Table III to determine its notification requirements.

S	D	NA	III. Notification Requirements
			<p>A) If the project qualifies for a 404 NWP #3 (a), a formal PCN is <u>not</u> required. Take the following action:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Create a hard-copy file for the project and include the documentation provided by the project designer demonstrating compliance with all the conditions of the NWP; <input type="checkbox"/> Include a copy of this checklist in the file as documentation that all the requirements of the NWP program were evaluated; <input type="checkbox"/> Notify the project manager and designer that the NWP applies and provide them a copy of the <i>applicable conditions</i> for inclusion in the contract letting documents. <p><i>Reviewer Notes:</i></p>
			<p>B) If the project qualifies for a 404 NWP #3 (b), a formal PCN is required. The following should be submitted to the USACE:</p>

			<input type="checkbox"/> Copy of the waters report with signed pre-JD form from either the preparer of the report or a member of INDOT-ES (this should include a wetland delineation if any wetlands will be impacted by the proposed work);
			<input type="checkbox"/> Cover letter;
			<input type="checkbox"/> A description of the proposed project, its purpose, and impacts associated with the project (acres and linear feet) (Note: the preparer can use Corps Form 4345 or State Form 51937 to ensure that all necessary information is submitted);
			<input type="checkbox"/> Project plans labeled with all jurisdictional waters that include cross sections of all fill placement with the flow-line elevation and ordinary high water mark (OHWM elevation) and existing versus proposed conditions.
			<i>Reviewer Notes:</i>
			C) If the project qualifies for a 404 NWP #3 (c), a formal PCN is <u>not</u> required. Take the following action:
			<input type="checkbox"/> Create a hard-copy file for the project and include the documentation provided by the project designer demonstrating compliance with all the conditions of the NWP;
			<input type="checkbox"/> Include a copy of this checklist in the file as documentation that all the requirements of the NWP program were evaluated;
			<input type="checkbox"/> Notify the project manager and designer that the NWP applies and provide them a copy of the <i>applicable conditions</i> for inclusion in the contract letting documents.
			<i>Reviewer Notes:</i>

Comments: _____

5. NWP #33 Temporary Construction, Access, and Dewatering			
S	D	NA	I: Verification****
			A) Project impacts are less than 0.1 acres and equal to or less than 300' to jurisdictional waters (rivers, streams, wetlands, lakes, ponds, etc.). Total cumulative impacts should be considered for "single and complete projects." These are typically projects that will be under construction during the same period of time in the same 8-digit watershed. <i>Reviewer Notes:</i>
			B) Is the waters report and/or wetland delineation less than five years old? If not, a follow-up investigation is warranted to verify findings are still accurate. <i>Reviewer Notes:</i>
			C) The project will not impact any waters designated as salmonid or Outstanding State and/or National Resource Waters. The project will also not impact any critical wetland or critical special aquatic sites. <i>Reviewer Notes:</i>
			D) No state endangered, threatened, or rare (ETR) species are documented within a ½ mile radius of the proposed project as documented by the Indiana Department of Natural Resources (IDNR) Division of Nature Preserves. If an ETR species is present, documentation must be obtained from Nature Preserves indicated that the proposed activities will not constitute a violation of state laws protecting these species. <i>Reviewer Notes:</i>
			E) The proposed project will not permanently change the sinuosity, flow path, velocity, cross sectional area under the ordinary high water mark (OHWM), or the slope of any stream. Stream relocations are not authorized under the NWP program. <i>Reviewer Notes:</i>
			F) All impacts associated with the proposed project are <i>temporary</i> in nature. No permanent impacts

			are included in the proposed project. <i>Reviewer Notes:</i>
			G) No unsuitable fill material (trash, debris, asphalt, etc.) will be placed below the OHWM. <i>Reviewer Notes:</i>
			H) The activity does not take place in close proximity to a public water supply intake (except if the purpose of the project is for repair/improvement of the intake structure). <i>Reviewer Notes:</i>
			D) Heavy equipment working in wetlands must be placed on mats, or other measures are taken to minimize soil disturbance. Adequate erosion/sediment control measures are incorporated into the project to prevent sediment discharge to jurisdictional waters. <i>Reviewer Notes:</i>

***If any of the above requirements are not met, the NWP #33 program will not apply and a different level of permitting will be required. Refer to the other 404/401 checklists to determine the correct level of permitting for this project.

S	D	NA	II. Notification Requirements
			A) If the project qualifies for a 404 NWP #33, a formal PCN is required. The following should be included in this notification:
			<input type="checkbox"/> Copy of the waters report with signed pre-JD form from either the preparer of the report or a member of INDOT-ES (this should include a wetland delineation if any wetlands will be impacted by the proposed work);
			<input type="checkbox"/> Cover letter;
			<input type="checkbox"/> A description of the proposed project, its purpose, and impacts associated with the project (acres and linear feet) (Note : preparer can use Corps Form 4345 or State Form 51937 to ensure that all necessary information is submitted to their attention);
			<input type="checkbox"/> Project plans labeled with all jurisdictional waters that include cross sections of all fill placement with the flow-line elevation and ordinary high water mark (OHWM elevation) and existing versus proposed conditions;
			<input type="checkbox"/> Restoration plan for all temporary impacts including an appropriate seed mix to revegetate all bare areas. <i>Reviewer Notes:</i>

Comments: _____

6. NWP #27 Aquatic Habitat Restoration, Establishment, and Enhancement Activities

S	D	NA	I: Verification****
			A) Project impacts are less than 0.1 acres and equal to or less than 300' to jurisdictional waters (rivers, streams, wetlands, lakes, ponds, etc.). Total cumulative impacts should be considered for "single and complete projects." These are typically projects that will be under construction during the same period of time in the same 8-digit watershed. <i>Reviewer Notes:</i>
			B) Is the waters report and/or wetland delineation less than five years old? If not, a follow-up investigation is warranted to verify findings are still accurate. <i>Reviewer Notes:</i>
			C) The project will not impact any waters designated as salmonid or Outstanding State and/or National Resource Waters. The project will also not impact any critical wetland or critical special aquatic sites. <i>Reviewer Notes:</i>
			D) No state endangered, threatened, or rare (ETR) species are documented within a 1/2 mile radius of the proposed project as documented by the Indiana Department of Natural Resources (IDNR) Division

		of Nature Preserves. If an ETR species is present, documentation must be obtained from Nature Preserves indicated that the proposed activities will not constitute a violation of state laws protecting these species. <i>Reviewer Notes:</i>
		E) The proposed project will not permanently change the sinuosity, flow path, velocity, cross sectional area under the ordinary high water mark (OHWM), or the slope of any stream. Stream relocations are not authorized under the NWP program. <i>Reviewer Notes:</i>
		F) The proposed activities are part of a restoration program previously approved by IDEM and the USACE. Activities authorized by this NWP include, but are not limited to, installation/removal of water control structures, establishment of riffle/pool stream structure, placement of in-stream habitat structure, <i>Reviewer Notes:</i>
		G) The activity cannot result in a permanent secondary effect to a waters for the U.S. (for example: dredging, excavation, damming, creation of in channel pools, etc.) that when combined with the primary effect exceeds 0.1 acres and 300' of impacts. <i>Reviewer Notes:</i>
		H) No unsuitable fill material (trash, debris, asphalt, etc.) will be placed below the OHWM. <i>Reviewer Notes:</i>
		I) The activity does not take place in close proximity to a public water supply intake (except if the purpose of the project is for repair/improvement of the intake structure). <i>Reviewer Notes:</i>
		J) Heavy equipment working in wetlands must be placed on mats, or other measures are taken to minimize soil disturbance. Adequate erosion/sediment control measures are incorporated into the project to prevent sediment discharge to jurisdictional waters. <i>Reviewer Notes:</i>

****If any of the above requirements are not met, the NWP #27 will not apply and a different level of permitting will be required. Refer to the other 404/401 checklists to determine the correct level of permitting for this project.

S	D	NA	II. Notification Requirements
			A) If the project qualifies for a 404 NWP #27, a formal PCN is required. The following should be included in this notification: <input type="checkbox"/> Copy of the waters report with signed pre-JD form from either the preparer of the report or a member of INDOT-ES (this should include a wetland delineation if any wetlands will be impacted by the proposed work); <input type="checkbox"/> Cover letter; <input type="checkbox"/> A description of the proposed project, its purpose, and impacts associated with the project (acres and linear feet) (Note : preparer can use Corps Form 4345 or State Form 51937 to ensure that all necessary information is submitted to their attention); <input type="checkbox"/> Project plans labeled with all jurisdictional waters that include cross sections of all fill placement with the flow-line elevation and ordinary high water mark (OHWM elevation) and existing versus proposed conditions. <i>Reviewer Notes:</i>

Comments: _____

7. DOCUMENTATION

S	D	NA	I: INDOT-ES Internal Databases
			A) Update the following databases to reflect the type of NWP obtained for the project:
			<input type="checkbox"/> EWPS;
			<input type="checkbox"/> Milestones;
			<input type="checkbox"/> PSCS;
			<input type="checkbox"/> Projectwise.
			<i>Reviewer Notes:</i>

Version: 20130524

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RGP – REGIONAL GENERAL PERMIT - CHECKLIST



404/401 Regional General Permit (RGP) Checklist | 2013

INDOT Environmental Services (ES), Ecology and Waterway Permitting Office (EWPO)

1. PROJECT SPECIFIC INFORMATION

Project Route/Type	
INDOT Des. Number	
County	
Letting Date	

2. APPLICATION BACKGROUND

Designer/Firm			
Submittal Date		Submittal Number	
ES Reviewer/Contact Info.			
Review Date			

Review columns are abbreviated as follows: Sufficient (S), Deficient (D), and Not Applicable (NA). All items marked deficient require resolution from the designer prior to INDOT acceptance of the application.

3. REGIONAL GENERAL PERMIT (RGP) VERIFICATION

S	D	NA	RGP Requirements*
			A) Are there less than 0.1 acres of total impact to streams and wetlands (considered cumulatively)? Are there any nearby projects that IDEM may consider for cumulative impacts? <i>Reviewer Notes:</i>
			B) Will less than 300' of streams be impacted (considered cumulatively)? Are there any nearby projects that IDEM may consider for cumulative impacts? <i>Reviewer Notes:</i>
			C) No state designated salmonid waters, Outstanding State and/or Natural Resource Waters, Exceptional Use Waters, or critical special aquatic sites will be impacted by the project. <i>Reviewer Notes:</i>
			D) There will be no permanent change to sinuosity, flow path, velocity, or cross sectional area under the Ordinary High Water Mark (OHWM) elevation or to the slope of the stream (i.e. activities such as stream relocations cannot be authorized by the RGP program per Condition 17). <i>Reviewer Notes:</i>
			E) Stream encapsulations must meet all of the following requirements: <input type="checkbox"/> Encapsulation must not exceed 150'; <input type="checkbox"/> Cross sectional area of any encapsulation is 20% larger than the area under OHWM immediately upstream and downstream of the encapsulation; <input type="checkbox"/> Structure must be a single opening; <input type="checkbox"/> Embedded structure per IDEM sumping requirements or a three-sided structure (no bottom). <i>Reviewer Notes:</i>
			F) For bank stabilization activities, does the application include information demonstrating that the bank (or shoreline) in question is unstable (Condition 19)? In general, this information is typically not required for stabilization activities associated with new structures such as riprap outlet protection. <i>Reviewer Notes:</i>

*If any of the above requirements are not met, the RGP program will not apply and a different level of permitting will be required. Further review of the application is not required until a revised application on the appropriate form has been submitted to INDOT-ES

S	D	NA	Additional Considerations
			A) Does the project qualify under the 404 Nationwide Permit (NWP) Program (see the NWP checklist for details)? If so, a NWP permit should be pursued instead. <i>Reviewer Notes:</i>

Comments: _____

4. STATE FORM 51937			
S	D	NA	I: General Application Requirements
			A) Was the most recent State Form 51937 application used (version R3/8-08)? If your project is in USACE Chicago District, was Corps Form 4345 included in the designer's submittal for the 404 application? The USACE Chicago District will not accept application on the state's form. <i>Reviewer Notes:</i>
			B) Was a waters of the U.S. report and/or wetland delineation included with the application and did this include the appropriate approved JD or pre-JD form signed by the preparer of the report or a representative of INDOT-ES? <i>Reviewer Notes:</i>
			C) Does the application reflect the waters report and/or wetland delineation prepared for this project? This includes:
			<input type="checkbox"/> The waters report and/or wetland delineation is less than five years old;
			<input type="checkbox"/> Accounting of all streams, wetlands, and/or other waters located within the project limits (including confirmation of any avoided waters);
			<input type="checkbox"/> Correct wetland boundary or boundaries used to calculate impacts;
			<input type="checkbox"/> Correct ordinary high water mark/s (OHWMs) used to calculate impacts;
			<input type="checkbox"/> Correct wetland types (emergent, scrub-shrub, forested) referenced in the application. <i>Reviewer Notes:</i>
S	D	NA	II: Applicant Information
			A) Does the applicant contact information reflect the appropriate EWPO Team Lead or Manager? <i>Reviewer Notes:</i>
			B) Are the agent blocks complete and accurate? <i>Reviewer Notes:</i>
S	D	NA	III: Project Location
			A) Are the blocks in this section complete and accurate? <i>Reviewer Notes:</i>
			B) Do the driving directions include distances (mileage)? <i>Reviewer Notes:</i>
S	D	NA	IV: Existing Conditions on the Project Site
			A) Are the appropriate boxes checked for lake, stream, and/or wetland impacts? <i>Reviewer Notes:</i>
			B) Are the correct names (USGS 7.5 minute series) provided for any lakes or streams that are located within the project site? <i>Reviewer Notes:</i>
			C) Is the total acreage of any wetlands located within the project site listed accurately (note that this acreage is not necessarily the same as the impact acreage)? <i>Reviewer Notes:</i>
			D) Is the date of the wetland delineation provided (if necessary)? <i>Reviewer Notes:</i>
			E) Is the date of USACE jurisdictional correspondence included if wetlands will be impacted (note that IDEM will require this in the 401 application submittal)? <i>Reviewer Notes:</i>
S	D	NA	V: Project Impacts
			A) Does the "Activity Description" meet the following requirements:

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			<input type="checkbox"/> Overall description clarifies the waters resource(s) that will be impacted and is not solely focused on the roadway or structure work;
			<input type="checkbox"/> Existing structure dimensions (length, width, and height);
			<input type="checkbox"/> Proposed structure dimensions (length, width, and height);
			<input type="checkbox"/> Total cumulative impacts to streams (linear feet);
			<input type="checkbox"/> Total cumulative impacts to streams and wetlands (acres);
			<input type="checkbox"/> A short description of any temporary impacts associated with the project and a brief statement regarding the restoration of any areas impacted by temporary fill. <i>Reviewer Notes:</i>
			B) Does the "Purpose of Project" detail why the project is necessary? <i>Reviewer Notes:</i>
			C) Does the "For Lake Impact" box meet the following requirements:
			<input type="checkbox"/> Cumulative linear feet of shoreline that will be impacted;
			<input type="checkbox"/> Type of permanent fill, volume of fill (cumulative), and acres of fill (cumulative) below OHWM (temporary impacts should be quantified in an attached exhibit);
			<input type="checkbox"/> Appropriate box checked for presence/absence of vegetation;
			<input type="checkbox"/> Type of permanent fill and acres of fill (cumulative) beyond the shoreline. <i>Reviewer Notes:</i>
			D) Does the "For Stream Impact" box meet the following requirements:
			<input type="checkbox"/> Cumulative linear feet of permanent impacts to streams;
			<input type="checkbox"/> Type(s) of permanent fill material and volume of this material that will be placed below OHWM;
			<input type="checkbox"/> Proposed start and end date that are consistent with the project's letting date (Note that a fish spawning waiver will be needed during construction for work in-stream between April 1 and June 30 but this is not required for submittal of the application);
			<input type="checkbox"/> Channel width and depth are provided and match those listed in the waters report;
			<input type="checkbox"/> Structure type that will be installed;
			<input type="checkbox"/> Structure dimensions;
			<input type="checkbox"/> Type of permanent fill material for any open water impacts;
			<input type="checkbox"/> The cumulative permanent acres of impact below the OHWM for all stream impacts. <i>Reviewer Notes:</i>
			E) Does the "For Wetland Impact" box meet the following requirements:
			<input type="checkbox"/> Type of permanent fill material;
			<input type="checkbox"/> Cumulative permanent acres of wetland impacted with a breakdown of impacts by wetland type (emergent, scrub-shrub, and forested). <i>Reviewer Notes:</i>
S	D	NA	VI: Application Attachments
			A) Was a location map provided and did it meet the following requirements:
			<input type="checkbox"/> Location displayed sufficiently for regulatory agencies to locate project (include landmark);
			<input type="checkbox"/> A north arrow, scale bar, title block, and appropriate references included on the map. <i>Reviewer Notes:</i>
			B) Project Plans met the following requirements:
			<input type="checkbox"/> Plans represent both the existing and proposed project conditions (this can be addressed on the same plan page so long as each can be clearly reviewed);
			<input type="checkbox"/> All jurisdictional streams and wetlands are labeled on the plans with the appropriate USGS 7.5

			<p>minute series name;</p> <p><input type="checkbox"/> Cross sections are provided for all wetland impacts with labels showing the boundary of the wetland;</p> <p><input type="checkbox"/> Cross sections are provided for stream impacts with labels for the OHWM and flow-line elevation;</p> <p><input type="checkbox"/> Plans do not contain excessive detail that prevents review of impacts (designers can remove specific layers to assist INDOT-ES and regulatory agency reviews);</p> <p><input type="checkbox"/> Flow direction of any stream is noted on the plans;</p> <p><input type="checkbox"/> Length (linear feet) of riprap placed below the OHWM is noted in the plans.</p> <p><i>Reviewer Notes:</i></p>
			<p>C) At least three photographs are provided in the application with captions that include the following:</p> <p><input type="checkbox"/> Direction taken,</p> <p><input type="checkbox"/> Statement of the image's content;</p> <p><input type="checkbox"/> Description of any unusual circumstances shown in the photograph.</p> <p><i>Reviewer Notes:</i></p>
			<p>D) Was correspondence from IDNR Division of Nature Preserves provided with the application stating the presence of any endangered, threatened, or rare (ETR species)? This correspondence must meet the following:</p> <p><input type="checkbox"/> The ETR clearance is less than five years old (Note that new coordination will be needed for all clearances greater than five years old);</p> <p><input type="checkbox"/> The ETR clearance states that no species were noted in the vicinity of the project or correspondence has been received from IDNR that the project is not likely to impact any ETR species.</p> <p><i>Reviewer Notes:</i></p>
			<p>E) Was a summary table provided for projects with multiple impacts to the same type of resources (for example: a project with impacts to multiple stream crossings)? Did this table meet the following requirements:</p> <p><input type="checkbox"/> Itemization of the impacts to each individual stream (length and acres below OHWM);</p> <p><input type="checkbox"/> Itemization of impacts to each individual wetland (acres);</p> <p><input type="checkbox"/> Volume of fill below OHWM (cubic yards) to each stream;</p> <p><input type="checkbox"/> Volume of fill that will be placed in each wetland;</p> <p><input type="checkbox"/> Existing structure dimensions (length, width, and height);</p> <p><input type="checkbox"/> Proposed structure dimensions (length, width, and height).</p> <p><i>Reviewer Notes:</i></p>
			<p>F) Were temporary impacts included in the application attachments (these should not be listed with the permanent impacts in State Form 51937)? The following must be included:</p> <p><input type="checkbox"/> Type of temporary fill material (should be non-erosive);</p> <p><input type="checkbox"/> Volume (cubic yards) and area (acres) associated with temporary measures below OHWM;</p> <p><input type="checkbox"/> Temporary acres of impact to any wetland(s);</p> <p><input type="checkbox"/> Plan or drawing showing the approximate location and dimensions of the proposed temporary measure(s);</p> <p><input type="checkbox"/> Expected amount of time the temporary measures will be in place;</p> <p><input type="checkbox"/> Number and dimensions (diameter and length) of pipes required for a temporary stream crossing;</p> <p><input type="checkbox"/> Restoration plan including an appropriate seed mix.</p> <p>Note that temporary measures should be designed to handle a two-year storm event.</p> <p><i>Reviewer Notes:</i></p>

401 IDEM WQC – INDIVIDUAL PERMIT - CHECKLIST



401 Water Quality Certification (WQC) Checklist | 2013

INDOT Environmental Services (ES), Ecology and Waterway Permitting Office (EWPO)

1. PROJECT SPECIFIC INFORMATION

Project Route/Type	
INDOT Des. Number	
County	
Letting Date	

2. APPLICATION BACKGROUND

Designer/Firm			
Submittal Date		Submittal Number	
ES Reviewer/Contact Info.			
Review Date			

Review columns are abbreviated as follows: Sufficient (S), Deficient (D), and Not Applicable (NA). All items marked deficient require resolution from the designer prior to INDOT acceptance of the application.

3. WQC VERIFICATION

S	D	NA	NWP and RGP Requirements*
			A) This project does <u>not</u> meet the requirements of the Nationwide Permit (NWP) Program or the Regional General Permit (RGP) Program (refer to the 404/401 RGP checklist and NWP checklist). <i>Reviewer Notes:</i>

*If the project does meet the requirements of the NWP or RGP programs, the designer must revise their submittal to include the correct application form. Further review of the application is not required until a revised application has been submitted to INDOT-ES.

Comments: _____

4. STATE FORM 51821

S	D	NA	General Application Requirements
			A) Was the most recent State Form 51821 application used (version R/10-04)? If your project is in USACE Chicago District, was Corps Form 4345 included in the designer's submittal for the 404 application? The USACE Chicago District will not accept application on the state's form. <i>Reviewer Notes:</i>
			B) Was a waters of the U.S. report and/or wetland delineation included with the application and did this include the appropriate approved JD or pre-JD form signed by the preparer of the report or a representative of INDOT-ES? <i>Reviewer Notes:</i>
			C) Does the application reflect the waters report and/or wetland delineation prepared for this project? This includes: <input type="checkbox"/> Is the waters report and/or wetland delineation less than five years old ; <input type="checkbox"/> Accounting of all streams, wetlands, and/or other waters located within the project limits (including confirmation of any non-impacted waters); <input type="checkbox"/> Correct wetland boundary (or boundaries) used to calculate impacts; <input type="checkbox"/> Correct ordinary high water mark/s (OHWMs) noted in plans and used to calculate impacts; <input type="checkbox"/> Correct wetland type(s) (emergent, scrub-shrub, forested) referenced in the application. <i>Reviewer Notes:</i>
			D) Does your project impact more than 1,500' of a single stream or 1.0 acre of any waters of the U.S. and if so was USACE Form 4345 included in the designer's submittal (i.e. a 404 Individual Permit is

			required)? Note that in some cases the USACE can make a cumulative determination for impacts (waters in close proximity to each other, multiple impacts to the same stream, etc.). <i>Reviewer Notes:</i>
			E) Was a summary table provided for projects with multiple impacts to the same type of resources (for example: a project with multiple stream crossing impacts)? Did this table meet the following requirements:
			<input type="checkbox"/> Itemization of the impacts to each individual stream (total length and total acres below OHWM);
			<input type="checkbox"/> Volume of fill below OHWM (cubic yards) at each location;
			<input type="checkbox"/> Existing structure dimensions (length, width, and height);
			<input type="checkbox"/> Proposed structure dimensions (length, width, and height);
			<input type="checkbox"/> Length of the existing stream that will be impacted;
			<input type="checkbox"/> Length of the proposed stream channel;
			<input type="checkbox"/> Acres of impact and volume of fill that will be placed in each wetland. <i>Reviewer Notes:</i>
			F) Were temporary impacts included in the application attachments (only permanent impacts are quantified in the application worksheets)? The following must be included:
			<input type="checkbox"/> Type of temporary fill material (should be non-erosive);
			<input type="checkbox"/> Volume (cubic yards) and area (acres) associated with temporary measures below OHWM;
			<input type="checkbox"/> Plan or drawing showing the approximate location and dimensions of the proposed measure(s);
			<input type="checkbox"/> Expected amount of time the temporary measures will be in place;
			<input type="checkbox"/> Number and dimensions (diameter and length) of pipes required for a temporary stream crossing;
			<input type="checkbox"/> Acres of temporary impact to any wetland(s);
			<input type="checkbox"/> Restoration plan including an appropriate seed mix. Note that temporary measures should be designed to handle a two-year storm event. <i>Reviewer Notes:</i>
			G) If the project will impact wetlands, was any correspondence from the USACE indicating the jurisdictional status of these features (approved JD, USACE signed pre-JD form, RGP pending letter, or USACE email correspondence) provided? If not, the application must be submitted to the USACE first so that this correspondence can be obtained prior to submitting the 401 application. <i>Reviewer Notes:</i>
			H) Are there any additional INDOT projects that IDEM will consider “single and complete” with the proposed project (impacts considered cumulatively)? In general, a project is considered cumulatively if it is located in close proximity (same 8-digit watershed) and will be under construction at or around the same time. <i>Reviewer Notes:</i>
			I) Was documentation provided that demonstrates the project will not affect a property listed, or eligible for listing, in the National Register of Historic Places (i.e. Section 106 must be satisfied). <i>Reviewer Notes:</i>

S	D	NA	Block 1: Applicant Information
			A) Does the applicant contact information reflect the appropriate EWPO Team Lead or Manager? <i>Reviewer Notes:</i>

S	D	NA	Block 2: Agent Information
			A) Is the agent contact information provided and does it appear to be accurate? <i>Reviewer Notes:</i>

S	D	NA	Block 3: Project/Tract Location
			A) Are the boxes in this section complete and accurate? <i>Reviewer Notes:</i>

			B) Are the type of aquatic resource(s) to be impacted accurately referenced (each applicable worksheet section should be referenced)? <i>Reviewer Notes:</i>
			C) Do the driving directions include distances (mileage)? <i>Reviewer Notes:</i>

S	D	NA	Block 4: Project Purpose and Description
			A) Is the appropriate box checked indicating whether or not construction has started? <i>Reviewer Notes:</i>
			B) Does the anticipated start date reflect the project's current letting schedule? <i>Reviewer Notes:</i>
			C) Does the "purpose of project and overview of activities" box meet the following requirements:
			<input type="checkbox"/> Overall description clarifies the waters resource(s) that will be impacted and is not solely focused on the roadway or structure work;
			<input type="checkbox"/> Existing structure dimensions (length, width, and height);
			<input type="checkbox"/> Proposed structure dimensions (length, width, and height);
			<input type="checkbox"/> Total cumulative impacts to streams (linear feet);
			<input type="checkbox"/> Net gain or net loss of stream length associated within any stream relocation (linear feet);
			<input type="checkbox"/> Net increase or decrease in encapsulation (linear feet);
			<input type="checkbox"/> Total cumulative impacts to streams and wetlands (acres);
			<input type="checkbox"/> A short description of any temporary impacts associated with the project and a brief statement regarding the restoration of any areas impacted by temporary fill. Note that this information can be included as an attachment if adequate space is not available. <i>Reviewer Notes:</i>

S	D	NA	Block 5: Avoidance, Minimization, and Mitigation Information
			A) Are the two questions regarding Class II isolated wetlands (Part A) adequately answered? Note that a response is required in the application for each question even if it is "not applicable." <i>Reviewer Notes:</i>
			B) Are the two questions in Part B regarding all other wetland, stream, and lake impacts adequately answered? This includes:
			<input type="checkbox"/> Listing a practicable alternative or alternatives (Note that an alternative to construction will always be a no-build scenario so this should never be left blank in the application) and a brief description on why these alternatives were not feasible;
			<input type="checkbox"/> Statement(s) regarding all avoidance and minimization of impacts that has occurred (Note that this can include a statement regarding Rule 5 compliance during construction). <i>Reviewer Notes:</i>
			C) Is the block labeled "Describe all compensatory mitigation required for unavoidable impacts" adequate? Requirements include:
			<input type="checkbox"/> Reference to any attached mitigation and monitoring plan with a brief summary of the proposed mitigation; OR
			<input type="checkbox"/> A statement that mitigation is not provided and reasoning behind this conclusion. <i>Reviewer Notes:</i>

S	D	NA	Block 6: Drawing/Plan Requirements
			A) Have the requirements for Part A been adequately addressed (aerial/overhead views of the project site showing existing/proposed construction)? This should be provided for each impact. <i>Reviewer Notes:</i>
			B) Have the requirements for Part B been adequately addressed (cross sections of any areas of fill or alterations to all waters)? <i>Reviewer Notes:</i>

			<p>C) Have the requirements for Part C been adequately addressed? Location maps should include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Project location displayed sufficiently for the regulatory agency to locate the project (should include a landmark such as an intersection); <input type="checkbox"/> Property boundaries; <input type="checkbox"/> A north arrow, scale bar, title block, and appropriate references included on the map. <p><i>Reviewer Notes:</i></p>
			<p>D) Have the requirements for Part D been adequately addressed (wetland boundary and labels)?</p> <p><i>Reviewer Notes:</i></p>
			<p>E) Have the requirements for Part E been adequately addressed? This includes the location of all:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Surface waters (jurisdictional waters labeled on the plans with the appropriate USGS 7.5 minute series name); <input type="checkbox"/> Erosion control measures that will be used to protect each impacted waters; <input type="checkbox"/> Existing/proposed structures; <input type="checkbox"/> Fill/excavation locations (including a note on the plans regarding the length of fill placement); <input type="checkbox"/> Disposal areas for excavated material including quantities (INDOT standard specifications can be referenced as appropriate); <input type="checkbox"/> Wetland or stream mitigation site (if applicable). <p><i>Reviewer Notes:</i></p>
			<p>F) Have the requirements for Part F been adequately addressed (water depths and bottom configurations)? This includes:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Cross sections provided for all stream impacts with a label for the OHWM elevation and flow-line elevation; <input type="checkbox"/> Cross sections provided for all wetland impacts showing the boundary of the wetland. <p><i>Reviewer Notes:</i></p>
			<p>G) All plans are submitted on 8.5" x 11" pages. Larger detailed plans can be submitted additionally if folded in half to be 8.5" x 11" pages.</p> <p><i>Reviewer Notes:</i></p>
S	D	NA	Block 7: Supplemental Application Materials
			<p>A) Have the requirements for Part A been adequately addressed (wetland delineation for all wetlands on the project site)? This document should be included as an attachment.</p> <p><i>Reviewer Notes:</i></p>
			<p>B) Have the requirements for Part B been adequately addressed (project photographs)? The following must be provided in the application:</p> <ul style="list-style-type: none"> <input type="checkbox"/> At least three photographs of each impacted resource should be provided. Captions for each photograph must include the direction taken, a statement of the image's content, and a description of any unusual circumstances shown in the photograph; <input type="checkbox"/> Photo locations are shown on the project plans or a photo-orientation map is provided. Any map must contain a north arrow, scale bar, title block, and appropriate references. <p><i>Reviewer Notes:</i></p>
			<p>C) To meet Part C, was a letter from the USACE provided to verify the presence of any isolated wetlands (if applicable)? This is required for all projects with wetland impacts. This can be in the form of an approved JD, a pre-JD signed by the USACE, RGP pending letter, or some other form of correspondence from the USACE stating the jurisdiction status of all wetlands involved.</p> <p><i>Reviewer Notes:</i></p>
			<p>D) Per Part D, a mitigation plan and monitoring report are provided (if applicable) that meets the 2008 USACE mitigation rule requirements. These include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> A description of the resource type(s) and amounts(s) that will be compensated for by the mitigation plan and the method (s) of compensation (restoration, enhancement, preservation, etc.);

			<input type="checkbox"/> A description of the factors considered during the site selection process;
			<input type="checkbox"/> A description of the site protection instrument;
			<input type="checkbox"/> Baseline information of the proposed mitigation site (including a waters report and/or wetland delineation, QHEI assessments, etc.);
			<input type="checkbox"/> A brief summary of the number of credits provided at the mitigation site and a rationale for this determination;
			<input type="checkbox"/> An explanation on how the mitigation site will provide adequate compensation for unavoidable impacts to waters associated with the construction project;
			<input type="checkbox"/> Written specifications, construction methods, timing, and plans for the mitigation site (this should include quantities of plantings, planting rates, and spacing of plantings);
			<input type="checkbox"/> Maintenance requirements for the site;
			<input type="checkbox"/> Performance standards that will be used to determine whether or not the site is succeeding (Note that these should be provided for each planting area if multiples are included such as emergent and forested within a wetland mitigation);
			<input type="checkbox"/> A schedule of monitoring and reports to be sent to IDEM and USACE;
			<input type="checkbox"/> A long-term management plan indicating how the site will be managed after performance standards have been met;
			<input type="checkbox"/> Planting lists reflect the regional species recommended by IDNR for the north, central, and south planting zones.
			<i>Reviewer Notes:</i>
			E) A classification of all isolated wetlands is provided as required in Part E (if applicable). <i>Reviewer Notes:</i>
			F) Copies of all applicable local permits or resolutions pertaining to the project are included in the application per Part F. <i>Reviewer Notes:</i>
			G) A tract history is provided per Part G if the project will impact isolated wetlands. <i>Reviewer Notes:</i>

S	D	NA	Block 8: Additional Information That May Be Required
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IDEM will notify the applicant if any of the items in Block 8 are required. This information is typically not included in the original INDOT submittal unless early coordination has occurred with IDEM indicating it should be submitted. This information could include but is not limited to the following: erosion control or storm water management plans, sediment analysis, species surveys for endangered, threatened, or rare (ETR species), and/or stream habitat surveys).

S	D	NA	Block 9: Permitting Requirements
			A) In Part A, is the appropriate box checked for the 404 permitting needs of the project? <i>Reviewer Notes:</i>
			B) In Part B, is the appropriate box checked indicating the application status for any necessary 404 permit? This should be checked "Yes" if the submittal will be concurrent with the 401 application submittal with a note to this affect included within the box. <i>Reviewer Notes:</i>
			C) In Part C, is the appropriate box checked regarding any IDNR permit needed for the project? If "Yes" was checked, is the remaining information in this block accurate (permit number, issuance date, etc.)? <i>Reviewer Notes:</i>
			D) In Part D, is the appropriate box checked for any other federal, state, or local permits/licenses required for the project? If "Yes" was checked, is the remaining information in this block accurate? <i>Reviewer Notes:</i>

			<i>Reviewer Notes:</i>
			E) Are the acreage and fill quantity columns completed and do the impacts agree with the cumulative totals listed in Block 4? <i>Reviewer Notes:</i>
			F) Is the column "ATF" noted for any after-the-fact impacts (if applicable)? <i>Reviewer Notes:</i>
			G) Is a description of the type of fill material to be placed in the wetland(s) provided in the appropriate box? <i>Reviewer Notes:</i>
			H) Is a description of the type and quantity of material proposed to be dredged/excavated from the wetland(s) provided? <i>Reviewer Notes:</i>

S	D	NA	Worksheet Block C: Bridges and Stream Crossings (if applicable)
			A) Does the stream name (or names) reflect the correct USGS 7.5 minute series name and are all crossing impacts accounted for in the worksheet*? <i>Reviewer Notes:</i>
			B) Does the "Description of Impacts" box include the following: <input type="checkbox"/> Existing structure dimensions (length, width, and height); <input type="checkbox"/> Proposed structure dimensions (length, width, and height); <input type="checkbox"/> Reference to any temporary fill associated with crossing (Note: this should be quantified in an attachment). <i>Reviewer Notes:</i>
			C) Is the length of upstream bank impacts provided (as referenced from the center of the structure) and does this seem to match what is presented in the attached plans? The scale bar can be used to visually estimate impacts. <i>Reviewer Notes:</i>
			D) Is the length of downstream bank impacts provided (as referenced from the center of the structure) and does this seem to match what is presented in the attached plans? The scale bar can be used to visually estimate impacts. <i>Reviewer Notes:</i>
			E) Are the volume and area of bank protection fill below the OHWM provided? <i>Reviewer Notes:</i>
			F) Are the lengths and acreage impacts in Block C consistent with the cumulative totals listed in Block 4? <i>Reviewer Notes:</i>

* Separate worksheets for Block C can be completed for each stream impact. As an alternative, the cumulative impacts can be listed in this block and a summary table itemizing impacts to each stream can be attached to the application.

S	D	NA	Worksheet Block D: Bank Stabilization (if applicable)
			A) Does the water body name (or names) reflect the correct USGS 7.5 minute series name and are all bank stabilization impacts accounted for in the worksheet*? <i>Reviewer Notes:</i>
			B) Does the description of impacts adequately detail the proposed stabilization activity (or activities) and does it reference any temporary fill associated with this work (Note: temporary fill should be quantified in an attachment)? <i>Reviewer Notes:</i>
			C) Is the length of shoreline or bank protection provided and does this seem to match what is presented in the attached plans? The scale bar can be used to visually estimate impacts. <i>Reviewer Notes:</i>
			D) Are the volume and area of bank protection fill placed below the OHWM provided? <i>Reviewer Notes:</i>

			E) Are the lengths and acreage impacts in Block D consistent with the cumulative totals listed in Block 4? <i>Reviewer Notes:</i>
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*** Separate worksheets for Block D can be completed for each stream impact. As an alternative, the cumulative impacts can be listed in this block and a summary table itemizing impacts to each stream can be attached to the application**

S	D	NA	Worksheet Block E: Stream Relocation (if applicable)
			A) Does the water body name (or names) reflect the correct USGS 7.5 minute series name and are all stream relocation impacts accounted for in the worksheet*. Stream relocation is defined as any shift to the existing center-line of a stream. <i>Reviewer Notes:</i>
			B) Does the description of impacts adequately outline the following for each stream relocation activity <input type="checkbox"/> Total length of impact; <input type="checkbox"/> Any net loss or gain in stream length; <input type="checkbox"/> Acres of impact below OHWM; <input type="checkbox"/> Reference any temporary fill associated with this work (Note: temporary fill should be quantified in an attachment)? <i>Reviewer Notes:</i>
			C) Is the length of existing stream channel provided and does this seem to match what is presented in the attached plans? The scale bar can be used to visually estimate impacts? <i>Reviewer Notes:</i>
			D) Is the length of new channel to be constructed provided and does this seem to match what is presented in the attached plans? The scale bar can be used to visually estimate impacts? <i>Reviewer Notes:</i>
			E) Are the appropriate boxes checked for backfilling of the existing stream channel (yes or no) and the type of relocation (piping, open channel, or other)? <i>Reviewer Notes:</i>
			F) Are the types of fill and volume of fill associated with the stream relocation provided? <i>Reviewer Notes:</i>
			G) Are the lengths and acreage impacts in Block E consistent with the cumulative totals listed in Block 4? <i>Reviewer Notes:</i>

*** Separate worksheets for Block E can be completed for each stream impact. As an alternative, the cumulative impacts can be listed in this block and a summary table itemizing impacts to each stream can be attached to the application**

S	D	NA	Worksheet Block F: Open Water Fill (if applicable)
			A) Does the water body name (or names) reflect the correct USGS 7.5 minute series name and are all open water fill impacts accounted for in the worksheet*? <i>Reviewer Notes:</i>
			B) Does the description of impacts adequately outline the proposed open water fill activity (or activities) and does it reference any temporary fill associated with this work (Note: temporary fill should be quantified in an attachment)? <i>Reviewer Notes:</i>
			C) Is the area of the water body to be filled provided (acres)? <i>Reviewer Notes:</i>
			D) Is the type and volume fill provided? <i>Reviewer Notes:</i>

*** Separate worksheets for Block F can be completed for each stream impact. As an alternative, the cumulative impacts can be listed in this block and a summary table itemizing impacts to each stream can be attached to the application.**

Comments: _____

5. DOCUMENTATION

S	D	NA	I: Database Updates
			A) Have all databases been updated (Reference SOP for database updates after application submittal):
			<input type="checkbox"/> EWPS;
			<input type="checkbox"/> Milestones;
			<input type="checkbox"/> PSCS;
			<input type="checkbox"/> Projectwise.
			<i>Reviewer Notes:</i>

Version: 20130507



Construction in a Floodway (CIF) Permit Checklist | 2013

INDOT Environmental Services (ES), Ecology and Waterway Permitting Office (EWPO)

1. PROJECT SPECIFIC INFORMATION

Project Route/Type	
INDOT Des. Number	
County	
Letting Date	

2. APPLICATION BACKGROUND

Designer/Firm			
Submittal Date		Submittal Number	
ES Reviewer/Contact Info.			
Review Date			

Review columns are abbreviated as follows: Sufficient (S), Deficient (D), and Not Applicable (NA). All items marked deficient require resolution from the designer prior to INDOT acceptance of the application.

3. CIF VERIFICATION

S	D	NA	Permit Exemptions*
			A) Is the upstream drainage area associated with the waterway in question less than or equal to one square mile? Streams with these drainage areas are outside of IDNR jurisdiction. <i>Reviewer Notes:</i>
			B) Is the project limited to removal of a logjam meeting the requirements of 312-IAC-10-5-6 and 10-5-7? Note that IDNR still requires notification to verify that this exemption is applicable. <i>Reviewer Notes:</i>
			C) Is the project limited to a utility line crossing or crossings meeting the requirements of 312-IAC 10-5-2, 10-5-3, 10-5-4, and 10-5-5? <i>Reviewer Notes:</i>
			D) Does the project meet the requirements for IDNR’s wetland restoration exemption described under 312 IAC 10-5-1? Note that IDNR still requires notification to verify that this exemption is applicable. The project must not obstruct more than five percent of the floodway, must not remove more than one acre of forest, and must meet specific requirements regarding the installation of any berms. <i>Reviewer Notes:</i>
			E) Are the floodway impacts limited to an outfall structure (or structures) meeting the outfall exemption described in 312 IAC 10-5-8? <i>Reviewer Notes:</i>
			F) Does the project meet IDNR’s bridge exemption requirements by meeting all of the following:
			<input type="checkbox"/> Construction/reconstruction project of a state highway bridge funded by INDOT;
			<input type="checkbox"/> The upstream drainage area of the waterway is less than or equal to 50 square miles;
			<input type="checkbox"/> Project is located in a rural area (defined as outside of the incorporated limits of a city/town as well as their urban planning zone);
			<input type="checkbox"/> Project is limited to a bridge or culvert (bank stabilization, roadway repair, and stream relocation do <u>not</u> apply);
			<input type="checkbox"/> The drainage area of the project does not exceed 50 square miles and;
			<input type="checkbox"/> Each building impacted by the project is higher than the regulatory flood elevation (lowest elevation in the structure including the basement). <i>Reviewer Notes:</i>

			G) Does the 1997 INDOT-IDNR Maintenance MOU apply to this project? In general, this will exempt projects limited to the following work types: pipe liner installation, roadside mowing, herbicide treatments, tree removal/trimming, slide repair to the original slope configuration, and cleaning roadside ditches to original grade. <i>Reviewer Notes:</i>
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*If any of the above are noted as sufficient, the project is exempt from IDNR regulation under the Flood Control Act. Further review of the application is not required by INDOT-ES. Additional coordination, however, may be required with IDNR.

Comments: _____

4. STATE FORM 42946

S	D	NA	1. General Application Requirements
			A) Was the most recent <i>State Form 42946</i> application used (version R6/2-05)? <i>Reviewer Notes:</i>
			B) Does the application reflect the waters report and/or wetland delineation prepared for this project? This includes: <input type="checkbox"/> Accounting of all streams and/or wetlands located within the floodway limits (including confirmation of any avoided waters); <input type="checkbox"/> Correct wetland boundary or boundaries used to calculate impacts; <input type="checkbox"/> Correct wetland types (emergent, scrub-shrub, forested) referenced in the application. <i>Reviewer Notes:</i>
			C) Is the waters report and/or wetland delineation less than five years old? If not, a follow-up investigation is warranted to verify findings are still accurate. <i>Reviewer Notes:</i>
			D) Was hydraulic modeling provided on a CD along with a modeling checklist? The consultant should provide documentation to INDOT-ES from IDNR if modeling is not required. <i>Reviewer Notes:</i>
			E) Does the application only include impacts to a single 100-year floodway? IDNR will require a separate application for <u>each</u> impacted floodway (i.e. two impacted streams having separate floodways will require two separate CIF applications). <i>Reviewer Notes:</i>

S	D	NA	1: Applicant Information
			A) Does the applicant contact information reflect the appropriate EWPO Team Lead or Manager? <i>Reviewer Notes:</i>

S	D	NA	2: Agent Information
			A) Do the agent contact information blocks appear to be accurate and complete? <i>Reviewer Notes:</i>

S	D	NA	3: Property Owner Information
			A) Does the property owner contact information reflect the appropriate EWPO Team Lead or Manager? <i>Reviewer Notes:</i>

S	D	NA	4. Public Notice
			A) Was a N4 form (<i>State Form 52086</i>) included in the application and does this appear to list all the adjacent property owners that require notification (i.e. only adjacent property owners to the 100-year floodway that is being impacted)? <i>Reviewer Notes:</i>
			B) Was a N2 form (<i>State Form 50354</i>) provided for each adjacent property owner (or was an editable version provided)? This form should meet the following requirements: <input type="checkbox"/> Correct water body name referenced on the form; <input type="checkbox"/> A project description that reflects the purpose of the project and its impacts to the 100-year floodway; <input type="checkbox"/> The project location in sufficient detail for the property owner to identify its location; <input type="checkbox"/> Application and agent contact information that reflects those listed in the permit application. <i>Reviewer Notes:</i>

S	D	NA	5: Project Description
			A) Does the “ <i>Description Narrative</i> ” meet the following requirements: <input type="checkbox"/> The INDOT Des number is included (this ensures that IDNR will include our tracking number in their issued permit); <input type="checkbox"/> Overall description clarifies floodway impacts and is not solely focused on the roadway or structure work; <input type="checkbox"/> Existing structure dimensions (length, width, and height); <input type="checkbox"/> Proposed structure dimensions (length, width, and height); <input type="checkbox"/> Total cumulative impacts to streams (linear feet); <input type="checkbox"/> Total cumulative impacts to streams and wetlands (acres); <input type="checkbox"/> Description of any riprap that will be placed (volume and depth); <input type="checkbox"/> Description of any changes to the approach roads and/or guardrail; <input type="checkbox"/> Details on any change to the structure’s skew; <input type="checkbox"/> A short description of any temporary impacts associated with the project and a brief statement regarding the restoration of any areas impacted by temporary fill. <i>Reviewer Notes:</i>

S	D	NA	6: Project Location
			A) Does the “ <i>Location Narrative</i> ” include the following: <input type="checkbox"/> Stream/lake name that is being impacted by the project; <input type="checkbox"/> Project limits; <input type="checkbox"/> Nearest city/town; <input type="checkbox"/> Civil township and legal description; <input type="checkbox"/> County; <input type="checkbox"/> Bank/shoreline where impacts will occur. <i>Reviewer Notes:</i>
			B) Does the “ <i>Driving Directions</i> ” include road names, directions (i.e. north, south, etc.), and distances? <i>Reviewer Notes:</i>
			C) Is any necessary information provided in “ <i>Special Information</i> ” block? Note this is rarely used and usually describes a safety concern. <i>Reviewer Notes:</i>
			D) Did the “ <i>Project Location Map</i> ” meet the following requirements:

			<input type="checkbox"/> Displayed on a USGS 7.5 minute series topographic map; <input type="checkbox"/> Title block (applicant, agent, project title, and date); <input type="checkbox"/> Scale bar and north arrow; <input type="checkbox"/> Displays the general vicinity adjacent to the project within a half mile to mile radius. <i>Reviewer Notes:</i>
			E) Did the “Project Site Map” meet the following requirements: <input type="checkbox"/> Title block (applicant, agent, project title, and date); <input type="checkbox"/> Scale bar and north arrow; <input type="checkbox"/> Clearly defined project site limits; <input type="checkbox"/> Property lines; <input type="checkbox"/> General vicinity around the project site; <input type="checkbox"/> Distances from roadways and landmarks. Note that components of this map may be found in other locations of the application, such as the project plan set, which is acceptable so long as this information is provided within the application. <i>Reviewer Notes:</i>

S	D	NA	7: Disturbed Area Drawing
			A) Does the “Disturbed Area Drawing” meet the following requirements: <input type="checkbox"/> Title block (applicant, agent, project title, and date); <input type="checkbox"/> Delineation of the area that will be impacted (vegetation types, area [acres], distances from top of bank or shoreline, and right-of-ways); <input type="checkbox"/> Scale bar and north arrow. Note that components of this map may be found in other locations of the application, such as the project plan set, which is acceptable so long as this information is provided within the application. <i>Reviewer Notes:</i>

S	D	NA	8: Project Photographs
			A) Do the “Images” meet the following requirements: <input type="checkbox"/> Color photographs taken from spring through fall (if possible) so that vegetation is clearly depicted; <input type="checkbox"/> Sufficient photographs are provided to accurately describe the floodway impacts; <i>Reviewer Notes:</i>
			B) Does the “Photo-Orientation Map” meet the following requirements: <input type="checkbox"/> Title block (applicant, agent, project title, and date); <input type="checkbox"/> Scale bar and north arrow; <input type="checkbox"/> Number and orientation of each image; <input type="checkbox"/> Flow direction of any waterway (if applicable). <i>Reviewer Notes:</i>
			C) Does the “Photo Documentation” meet the following requirements: <input type="checkbox"/> Image number; <input type="checkbox"/> Direction and date taken; <input type="checkbox"/> Statement of the image’s content. <i>Reviewer Notes:</i>

S	D	NA	9: Related Project Information
			A) Are any applicable IDNR tracking numbers listed within this block and if so are these documents attached to the application? In particular, early coordination numbers should be listed and attached to reduce IDNR’s review time.

			<i>Reviewer Notes:</i>
			B) Are any applicable IDEM tracking numbers listed within this block and if so are these documents attached to the application? <i>Reviewer Notes:</i>
			C) Are any applicable Corps of Engineers tracking numbers listed within this block and if so are these documents attached to the application? <i>Reviewer Notes:</i>

S	D	NA	10: Statement of Affirmation
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This block is left blank until the application is ready to be signed by the appropriate Team Lead or Manager.

S	D	NA	11: Regulatory Fees
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INDOT is not currently required to pay fees associated with the processing of an IDNR CIF application.

S	D	NA	Project Plans
			A) The plan set should include the following items:
			<input type="checkbox"/> Water resources (streams, wetlands, lakes, etc.) and roads labeled correctly on the plans;
			<input type="checkbox"/> North arrow and scale bar;
			<input type="checkbox"/> Vertical benchmarks for structures (Q100 elevation with source data, flow-line elevation, bottom of structure elevation, and top of structure elevation) shown on cross sections;
			<input type="checkbox"/> Contours (or cross sections at regular intervals) within the floodway;
			<input type="checkbox"/> Property limits;
			<input type="checkbox"/> Existing and proposed structures;
			<input type="checkbox"/> The dimensions of any riprap that will be placed (including depth);
			<input type="checkbox"/> A hydraulic data table;
			<input type="checkbox"/> Existing and proposed waterway area;
			<input type="checkbox"/> Existing and proposed approach roads and guard rail;
			<input type="checkbox"/> Construction limits;
			<input type="checkbox"/> Limits of channel work.
			<i>Reviewer Notes:</i>
			B) Were temporary impacts included in the application? The following should be included:
			<input type="checkbox"/> Type of temporary fill material (should be non-erosive);
			<input type="checkbox"/> Volume (cubic yards) and area (acres) associated with temporary measures within the floodway;
			<input type="checkbox"/> Temporary acres of impact to any wetland(s);
			<input type="checkbox"/> Plan or drawing showing the approximate location and dimensions of the proposed temporary measure(s);
			<input type="checkbox"/> Expected amount of time the temporary measures will be in place;
			<input type="checkbox"/> Number and dimensions (diameter and length) of pipes required for a temporary stream crossing;
			<input type="checkbox"/> Restoration plan including an appropriate seed mix.
			Note that temporary measures should be designed to handle a two-year storm event. IDNR may request modeling for any temporary measures that will remain in place more than one year.
			<i>Reviewer Notes:</i>

S	D	NA	Mitigation
			A) Is mitigation provided for tree removal within the floodway and does it meet the following

