

Federal Highway Administration & Pennsylvania Department of Transportation
Programmatic Consultation for Bog Turtle Transportation Actions
Project Submittal Form

PROJECT INFORMATION

1. Date of Submission:

2. Project Representative:

Name:

Title:

Organization:

Phone Number:

Email: Jesabitsky@pa.gov

Email:

3. Project Name:

4. PennDOT Engineering District:

5. County:

6. Municipality:

7. PNDI Environmental Review Number:

8. USFWS IPaC Project Number:

9. Project Federal Nexus

☐

FHWA Funding

☐

USACE Permitting

☐

No Nexus

PROPOSED PROJECT / MAINTENANCE ACTIVITY DESCRIPTION

Attach Project / Maintenance Activity Description, Necessary Documentation, Engineering Plans, Habitat Assessment Reports, Survey Reports, etc.

PROGRAMMATIC PROJECT EVALUATION KEY		PROGRAMMATIC PROJECT DETAILS	
1. Does the proposed project / maintenance activity impact wetland or watercourse habitat?	☐	Wetland	
	☐	Watercourse	
	☐	Both	
	☐	Neither	
2. Does the impacted wetland habitat provide supporting habitat for the species?	☐	Yes	
	☐	No	
	☐	N/A	
3. If supporting wetland habitat is to be impacted, are the proposed project impact(s) temporary or permanent in nature?	☐	Temporary	
	☐	Permanent	
	☐	Both	
	☐	N/A	
4. Is the supporting wetland habitat to be impacted hibernacula or foraging microhabitat for the species?	☐	Hibernacula	
	☐	Foraging	
	☐	N/A	
5. Will the project / activity permanently alter wetland hydrology conditions?	☐	Yes	
	☐	No	
6. What is the length of watercourse impacts associated with the project / maintenance activity?*	Temporary Impacts		LF
	Permanent Impacts		LF
7. What is the area of wetland impacts associated with the project / maintenance activity?*	Temporary Impacts		AC
	Permanent Impacts		AC
8. What is the proposed schedule for conducting the project construction / maintenance activities?	(e.g., April 1, 2025, to July 31, 2025)		
9. What is the anticipated duration of the project construction / maintenance activities?	(e.g., 6 weeks)		
10. What is the PFBC Trout Classification for the watercourse?	☐	No Trout	
	☐	Trout Stocked	
	☐	Wild Trout	
	☐	Class A Wild Trout	

PROGRAMMATIC CONSULTATION CONSISTENCY DETERMINATION RATIONALE

NO EFFECT DETERMINATION - ABSENCE OF POTENTIAL SUPPORTING HABITAT CONDITIONS

(X)	Basis of Determination
	A) Project is not located within 300 feet of a wetland <u>OR</u> the wetlands located within 300 feet have a negative Phase I Habitat Assessment determination by a Qualified Bog Turtle Surveyor (QBTS), or trained personnel from PennDOT/FHWA. ▪ <i>Submittal Form Complete.</i> ▪ <i>No Submission to USFWS, Submit an Electronic Copy to EPDS and Retain PSF with Documentation in Project File.</i>
	B) Transportation maintenance activities determined to have <i>No Effect</i> on the species. Publication 23, Section 3.17 does not indicate the assembly will effect bog turtles. ▪ <i>Reference Appendix A of the PBO</i> ▪ <i>Submittal Form Complete.</i>
	C) Project limited to the <u>main channel</u> of a watercourse greater than 30 feet in width with persistent cobble/boulder substrate. ▪ <i>Determination Does Not Apply to Adjacent Wetlands or Tributaries.</i> ▪ <i>Reference Appendix C of the PBO.</i> ▪ <i>Submittal Form Complete.</i>

NO EFFECT DETERMINATION - AVOIDANCE OF ALL POTENTIAL PROJECT EFFECTS

(X)	Basis of Determination
	D) Transportation actions which have been determined by the FHWA/PennDOT to completely avoid all potential effects on the species. Justification of this conclusion needs to be documented for consultation with the USFWS. ▪ <i>Submit Form to USFWS – Documentation must be provided to the USFWS for concurrence.</i>

MAY AFFECT – NOT LIKELY TO ADVERSELY AFFECT DETERMINATION / NEGATIVE SPECIES SURVEY

(X)	Basis of Determination
	E) Negative Phase II/Phase III Bog Turtle Survey completed for the project. ▪ <i>Submit Form and Survey Report to USFWS for concurrence.</i>

PROGRAMMATIC CATEGORY 1

MAY AFFECT – LIKELY TO ADVERSELY AFFECT DETERMINATION

(X)	Basis of Determination
	For projects where <i>temporary effects</i> to potential hibernacula microhabitat are anticipated to occur. Project must occur during the species active seasonal period of April 1 – October 31. ▪ Requires application of <u>AMMs 1-10</u> and <u>AMMs 12-17</u>. ▪ <u>AMM 19</u> may be required for compensatory mitigation. ▪ <i>Submit Form to USFWS.</i>

PROGRAMMATIC CATEGORY 2

MAY AFFECT – LIKELY TO ADVERSELY AFFECT DETERMINATION

(X)	Basis of Determination
	For projects where <i>permanent effects</i> to potential hibernacula microhabitat are anticipated to occur. Project must occur during the species active seasonal period of April 1 – October 31. ▪ Requires application of <u>AMMs 1-10</u> and <u>AMMs 12-18</u>. ▪ <u>AMM 19</u> is required to compensate for permanent habitat impacts. ▪ <i>Submit Form to USFWS.</i>

PROGRAMMATIC CATEGORY 3

MAY AFFECT – NOT LIKELY TO ADVERSELY AFFECT DETERMINATION

(X)	Basis of Determination
	For projects where <i>temporary effects</i> to potential foraging microhabitat are anticipated to occur during the species inactive seasonal period of November 1 – March 31. ▪ Requires application of <u>AMMs 1-9</u> and <u>AMM 11</u> for inactive season construction. ▪ <i>Submit Form to USFWS.</i>

PROGRAMMATIC CATEGORY 4

☐ **MAY AFFECT – NOT LIKELY TO ADVERSELY AFFECT DETERMINATION OR**

☐ **MAY AFFECT – LIKELY TO ADVERSELY AFFECT DETERMINATION***

(X)	Basis of Determination
	For projects where <i>temporary effects</i> to potential foraging microhabitat are anticipated to occur during the species active seasonal period of April 1 – October 31. - Requires application of AMMs 1-9 and AMMs 12-18 for active season construction. <i>Submit Form to USFWS.</i>
*The Programmatic Actions that USFWS regard as <i>Not Likely to Adversely Affect</i> or <i>Likely to Adversely Affect</i> will likely be dependent upon the project's context and review of the action. Most scenarios regarding temporary effects to potential foraging habitat should be <i>Not Likely to Adversely Affect</i> with successful application of AMMs. Potential scenarios that would potentially move these actions to <i>Likely to Adversely Affect</i> may include: - One or more AMMs cannot be implemented due to site specific circumstances. - The size of the temporary wetland impact area is greater than the USFWS feels that the AMMs can be effectively implemented or applied. - The duration of the project exceeds the period for which the USFWS feels that the AMMs can be effectively implemented.	

PROGRAMMATIC CATEGORY 5

☐ **MAY AFFECT – NOT LIKELY TO ADVERSELY AFFECT DETERMINATION* OR**

☐ **MAY AFFECT – LIKELY TO ADVERSELY AFFECT DETERMINATION**

(X)	Basis of Determination
	For projects where <i>permanent effects</i> to potential foraging microhabitat are anticipated to occur during the species inactive seasonal period of November 1 – March 31. - Requires application of AMMs 1-9 and AMM 11 for inactive season construction. - AMM 19 is required to compensate for permanent habitat impacts. - Submit Form to USFWS.
*The Programmatic Actions that USFWS regard as <i>Not Likely to Adversely Affect</i> or <i>Likely to Adversely Affect</i> will likely be dependent upon the project's context and review of the action. Most scenarios regarding permanent effects to potential foraging habitat should be <i>Likely to Adversely Affect</i> with successful application of AMMs. Potential scenarios that would potentially move these actions to <i>Not Likely to Adversely Affect</i> may include: The size of the permanent wetland impact is extremely small.	

PROGRAMMATIC CATEGORY 6

MAY AFFECT – LIKELY TO ADVERSELY AFFECT DETERMINATION

(X)	Basis of Determination
	For projects where <i>permanent effects</i> to potential foraging microhabitat are anticipated to occur during the species active seasonal period of April 1 – October 31. ▪ Requires application of <u>AMMs 1-9 and AMMs 12- 18</u> for active season construction. ▪ <u>AMM 19</u> is required to compensate for permanent habitat impacts. ▪ <i>Submit Form to USFWS.</i>

PROGRAMMATIC CATEGORY 7

☐ **MAY AFFECT – NOT LIKELY TO ADVERSELY AFFECT DETERMINATION OR**

☐ **MAY AFFECT – LIKELY TO ADVERSELY AFFECT DETERMINATION**

(X)	Basis of Determination
	For projects which will occur within stream corridors or upland habitats in the vicinity of occupied/assumed supporting wetland habitat during the species active seasonal period of April 1 – October 31 with exclusionary measures. ▪ Requires application of <u>AMMs 1-9 and AMMs 12- 17</u> for active season construction. ▪ <i>Submit Form to USFWS.</i>
*The Programmatic Actions that USFWS regard as <i>Not Likely to Adversely Affect</i> or <i>Likely to Adversely Affect</i> will likely be dependent upon the project's context and review of the action. Most scenarios regarding stream corridors or upland habitat should be <i>Not Likely to Adversely Affect</i> with successful application of AMMs. Potential scenarios that would potentially move these actions to <i>Likely to Adversely Affect</i> may include: ▪ One or more AMMs cannot be implemented due to site specific circumstances. ▪ The size of the project impact area is greater than the USFWS feels that the AMMs can be effectively implemented or applied. ▪ The duration of the project exceeds the period for which the USFWS feels that the AMMs can be effectively implemented.	

PROGRAMMATIC CATEGORY 8

MAY AFFECT – NOT LIKELY TO ADVERSELY AFFECT DETERMINATION

(X)	Basis of Determination
	For projects which will occur within stream corridors or upland habitats in the vicinity of occupied/assumed supporting wetland habitat during the species inactive seasonal period of November 1 – March 31. ▪ Requires application of <u>AMMs 1-9</u> and <u>AMM 11</u> for inactive season construction. ▪ <i>Submit Form to USFWS.</i>

PROGRAMMATIC CATEGORY 9

MAY AFFECT – LIKELY TO ADVERSELY AFFECT DETERMINATION

(X)	Basis of Determination
	For projects where the hydrology of supporting habitat will be permanently affected by the action. ▪ Requires application of <u>AMMs 1-10</u> and <u>AMMs 12-18</u>. ▪ <u>AMM 19</u> is required to compensate for permanent habitat impacts. ▪ <i>Submit Form to USFWS.</i>

AVOIDANCE AND MINIMIZATION MEASURES

For actions to be covered by this programmatic consultation, specific AMMs related to the species will be implemented where applicable. The AMMs included in the analysis, if executed under appropriate circumstances, are expected to reduce potential impacts of the stressors. In some cases, impacts will be reduced to levels that are insignificant (the magnitude or size of the impact will never reach the scale where take occurs) or discountable (the probability is extremely unlikely for take to occur) and, therefore, not likely to adversely affect the species. In other cases, some level of take of the species will be unavoidable even with the application of AMMs but will be offset through a compensatory AMM.

The implementation of AMMs 1 to 9 is required for all other actions with the use of this programmatic consultation, while AMMs 10-19 are only required for specific programmatic categories. The application of AMMs acknowledges the presence of potential species-supporting habitat and the confirmed or assumed presence of the species within the action area of the transportation activity.

AMM	DESCRIPTION
<i>Required for all actions.</i>	
1	Ensure that all wetland, bog turtle habitat, and species surveyors, operators, employees, and contractors working in areas of known or assumed occupied bog turtle habitat are aware of and implement all PennDOT environmental commitments, including all applicable AMMs, PA DEP permit conditions, USACE permit conditions, and Northeast Partners in Amphibian and Reptile Conservation (NEPARC) Publication 2022-02 equipment disinfection and infected specimen protocols. Sensitivity training and briefing materials will be provided to all applicable personnel prior to the initiation of the action. Sensitive resource signage will be placed at the site of the action to notify personnel of the potential presence of the species.
2	All work associated with the action shall be conducted in accordance with the Erosion and Sediment Pollution Control Plan approved by the County Conservation District or PA DEP. Erosion and sediment control best management practices will be implemented before, during, and after all land disturbance to prevent the potential for asphyxiation and smothering of bog turtles as well as accidental sedimentation and filling of adjacent wetland habitats that may potentially support the species. All erosion and sediment control features will be properly installed and maintained in accordance with the County Conservation District and PA DEP. The project site will be monitored daily, as is also required for all Chapter 102 and NPDES permitting, to ensure the erosion and sedimentation control practices are implemented and properly maintained, and to identify any project related impacts due to sediment accumulation. The daily inspection may be completed by the on-site environmental monitor/inspector or project foreman.

AMM	DESCRIPTION
3	All rock scour protection areas associated with an action will be completed in such a manner that precludes large voids for potential impingement and entrapment of bog turtles. Any voids in the rock scour protection will be choked with smaller rock and mineral material to avoid the creation of potential traps for the species. All rock scour protection areas must be installed and depressed below the appropriate stream water elevation as conditioned by PA DEP authorization. Consider using natural channel stabilization techniques as an alternative to rip-rap scour protection/energy dissipation and bank armoring activities.
4	All storage and dispensing of vehicular fuels and fluids will occur at least 300 feet from any aquatic habitats present. The project site will be monitored daily to ensure spill avoidance/ remediation practices are implemented. The daily inspection may be completed by the on-site environmental monitor/inspector or project foreman. If required by the project, a hazardous material construction spill avoidance/remediation plan (Spill Prevention Control and Countermeasure Plan – SPCC Plan) will be developed and implemented during the fulfillment of the transportation action. ☐ Check when completed
5	Project storage and staging areas will be located only in upland areas located as far as possible from wetland/watercourse habitat areas. This shall include all areas required for stockpiles, equipment storage, and parking.
6	All public utilities potentially associated with the action due to the necessary relocation of their services will be notified of the potential presence of the species and their need to consult with the Service and Pennsylvania Fish and Boat Commission (PFBC) on their respective relocation activities. Documentation of the public utility coordination will be completed for the project / maintenance activity file.
7	High visibility orange construction fencing shall be used to delineate avoidance areas during the action. The fencing will act as a visual warning to prevent construction equipment and personnel from entering and disturbing sensitive areas outside of the project limit of disturbance.
8	To avoid the introduction and spread of invasive species into supporting habitats and minimize the duration of exposed soils, use erosion control blankets made of bio-degradable material on disturbed areas immediately after project completion, and promptly re-vegetate areas of temporary disturbance with native wetland or upland seed mixes dependent on the location of the disturbance ☐ Check when completed Thoroughly wash construction equipment and vehicles offsite, especially the undercarriage and wheels, before use within 300 feet of supporting habitat. Thoroughly wash temporary crossing measures such as composite matting or timber matting before use within 300 feet of supporting habitat. ☐ Check when completed

AMM	DESCRIPTION
9	Specific coordination and construction operating procedures approved by the Service/PFBC shall be implemented if a bog turtle is encountered during preconstruction exclusion surveys, on-site monitoring, or within the vicinity of the limit of disturbance (LOD) during the action (i.e., construction). These specific procedures include the following: ▪ If a turtle is encountered, then all construction activities within 300 feet of the capture will cease immediately. The District Environmental Manager and qualified surveyor will be contacted immediately to inform them of the encounter. ▪ If the turtle appears dead or immobile, then the turtle will be left where it was initially observed. If the turtle appears to be mobile, then efforts will be made to temporarily contain the turtle until the qualified bog turtle surveyor can take possession of it. Temporary containment will consist of placing the turtle in a thoroughly clean bucket that has a depth of more than 18 inches. Pieces of native vegetation and 0.5 to 1 inch of water will be placed in the bucket with the turtle to keep the animal cool and hydrated. The bucket will be placed in a quiet, well- shaded area. The turtle will be handled as little as possible, and temporary containment must not exceed 6 hours. The qualified bog turtle surveyor will take possession of the turtle and identify the species as well as document the capture location and condition of the turtle. The qualified surveyor will conduct a thorough search of the area within and in the vicinity of the limit of disturbance of the action to determine if any other turtles may be in the construction area. The qualified surveyor will also inspect the exclusion barrier fencing and direct any repairs as needed. If there are breaches in the exclusion barrier and/or the turtle is identified as a bog turtle, then construction will not resume until coordination with the Service and PFBC is completed and all breaches in the exclusion barrier are repaired. If the qualified bog turtle surveyor identifies the turtle species as a bog turtle, then the surveyor will immediately notify endangered species biologists at both the Service and PFBC. The elapsed time for contacting both agencies will be as soon as possible but must not exceed 24 hours. Following the arrival of the qualified bog turtle surveyor at the project site, the turtle must be handled by the biologist according to the recommendations of the Service and PFBC. The qualified surveyor will consult with the Service and PFBC concerning the safe handling and necessary relocation of the turtle outside of the project disturbance area. Construction will resume only after the completion of this consultation. If the qualified bog turtle surveyor identifies the turtle as a species other than the bog turtle, and the turtle appears healthy, then the qualified surveyor will release the turtle unharmed no further than 300 feet from the site of discovery to a safe location outside of the limit of disturbance. Construction may continue once the turtle is relocated. If any turtle found appears injured or dead, the qualified bog turtle surveyor will coordinate with the Service and PFBC concerning the safe handling of an injured turtle and the taking of

AMM	DESCRIPTION
	possession of the specimen whether injured or dead by one of these agencies. Construction will resume only at the completion of this coordination. Compensatory mitigation measures may be necessary to offset the adverse effects of take.
<i>Required for specific programmatic categories</i>	
10	To avoid the killing, harm, or harassment of brumating bog turtles within hibernacula microhabitat during the species inactive period, the action will be completed during the active season for the species between April 1 and October 31.
11	To avoid the killing, harm, or harassment of bog turtles during the species active period, the action will be completed during the inactive season for the species between November 1 and March 31.
12	To avoid the killing, harm, or harassment of individual bog turtles during the species active period, a preconstruction exclusion survey to remove any bog turtle individuals within the LOD will be conducted by a Service/PFBC recognized-qualified bog turtle surveyor immediately prior to the commencement of the action. Exclusion surveys may also be necessary for the assembly/disassembly of temporary streamflow diversion measures; the placement of rock scour protection materials; and the internal confines of an existing bridge or culvert crossing structure. Survey efforts within stream habitats may include the use of viewing buckets and snorkeling equipment to adequately search underwater habitats associated with existing culvert and bridge crossings, including cut banks and eroded areas under abutments. Survey efforts within existing culvert pipes may include the usage of cutting tools to dissect the culvert pipe for viewing, or the complete removal of the intact pipe for viewing of the pipe's internal area. Any captured individuals will be relocated outside of the project disturbance area into suitable habitat. The Service/PFBC recognized- qualified bog turtle surveyor will oversee and supervise any necessary vegetation cutting or clearing (4 to 6 inches height) for the effective survey of the excluded area. All exclusionary surveys will be conducted according to the most current Phase 2/Phase 3 survey protocol(s) provided by the Service and PFBC.

AMM	DESCRIPTION
13	To avoid the killing, harm, or harassment of individual bog turtles during the species active period, an exclusionary barrier (silt fence, super silt fence, adequate silt sock, sand bag wall, sheeting, Jersey barrier) will be erected immediately following the species exclusionary survey and prior to the commencement of the activity to isolate the disturbance area associated with the action (See Appendix D). Sandbag walls, sheeting, Jersey barrier, etc. may be necessary within watercourse channel environments to isolate instream disturbance areas. No other construction/ maintenance activities may commence until the exclusionary barrier has been installed. The exclusionary barrier is to be installed a minimum of 6-inches into the underlying habitat where appropriate. The installation/removal of the exclusionary barrier must be completed by hand through wetland habitats. The installation/removal of the exclusionary barrier through upland habitats may be completed with the assistance of equipment. The exclusionary barrier shall be installed and removed under the supervision of a Service/PFBC recognized- qualified bog turtle surveyor. While in use, the exclusionary barrier shall be inspected daily to ensure its competency and function. The daily inspection may be completed by the on-site environmental monitor/inspector or project foreman. Straw bales, sandbags, or temporary fencing may be used as temporary barriers at ingress/egress locations to provide access to equipment/personnel through the exclusionary barrier. Should the exclusionary barrier become compromised during its use, then all construction/maintenance activities will cease until an exclusionary survey of the action area has been completed by a Service/PFBC recognized-qualified bog turtle surveyor and the compromise has been remediated. The exclusionary barrier is to be removed immediately following the completion of the action. The Service/PFBC recognized-qualified bog turtle surveyor will ensure that potential pitfalls are not created by trenching associated with the installation and/or removal of the exclusionary barrier.
14	All temporary streamflow diversion measures must be implemented in a manner that will not result in the possible collection and entrainment of species individuals into pumping equipment.
15	To avoid the killing, harm, or harassment of species individuals during the species active period, a Service/PFBC recognized-qualified bog turtle surveyor shall conduct inspections of wetland spoil materials from excavation areas within core supporting habitat to ensure that species individuals are recovered and relocated. The need for wetland spoil inspection shall be determined by the Service/PFBC recognized-qualified bog turtle surveyor and PennDOT/FHWA.
16	To avoid the killing, harm, or harassment of individual bog turtles during the species active period, a Service/PFBC recognized-qualified bog turtle surveyor may provide continuous monitoring during the active construction. The need for continuous monitoring shall be determined by the Service/PFBC recognized-qualified bog turtle surveyor and PennDOT/FHWA.

AMM	DESCRIPTION
17	A Service/PFBC recognized-qualified bog turtle surveyor will be retained throughout the duration of the transportation action to monitor the effectiveness of the implemented AMMs. The surveyor will also provide recommendations to PennDOT and the FHWA concerning the implementation of the necessary measures.
18	To reduce the amount of take associated with the permanent loss of habitat, a salvage survey effort will be undertaken in conjunction with the Service/PFBC to relocate any individuals within the impact area prior to disturbance. Any recovered individuals will be relocated a maximum of 300 feet from the impact area within the same drainage basin.
19	<u>To offset the adverse effects for the permanent loss of supporting habitat and/or incidental take,</u> compensatory species mitigation will be provided. The determination of the amount of compensation to be provided, and the means of achievement will be addressed with the Service on an individual project basis. Potential strategies for compensatory species mitigation could include, but are not limited to, the purchase of credits from a Service approved conservation bank, construction of a PennDOT advanced compensation conservation bank, vegetation management activities at an occupied species site, restoration of supporting hydrology conditions to an altered occupied species site, species passage improvements at an occupied species site associated with documented vehicular conflicts, the provision of nest protection/ predator control measures at an occupied species site, and the provision of in lieu fee monetary funds dedicated to habitat management activities at an occupied species site, purchasing and preserving an occupied species site, re-evaluating roadside mowing practices in proximity to an occupied species site, or acquiring and operating an FHWA/PennDOT-sponsored conservation “bundling” site or conservation easement.

PROGRAMMATIC CATEGORY ACTIONS AND THEIR APPLICABLE AVOIDANCE AND MINIMIZATION MEASURES

Programmatic Category (PC#)		Description	AMMs 1-9	AMM 10	AMM 11	AMM 12	AMM 13	AMM 14	AMM 15	AMM 16	AMM 17	AMM 18	AMM 19 Required for Mitigation
PC1	Temporary Hibernacula Habitat Effects	Actions where temporary effects to potential hibernacula are anticipated to occur without any hydrologic modification.	X	X	--	X	X	X	X	X	X	--	X
PC2	Permanent Hibernacula Habitat Effects	Actions where permanent effects to potential hibernacula microhabitat are anticipated to occur without any hydrologic modification.	X	X	--	X	X	X	X	X	X	X	X
PC3	Temporary Foraging Habitat Effects Inactive Season Work	Actions where temporary effect to potential foraging habitat are anticipated to occur during the inactive bog turtle season without any hydrologic modification.	X	--	X	--	--	--	--	--	--	--	--
PC4	Temporary Foraging Habitat Effects Active Season Work	Actions where temporary effect to potential foraging habitat are anticipated to occur during the active bog turtle season without any hydrologic modification.	X	--	--	X	X	X	X	X	X	X	--
PC5	Permanent Foraging Habitat Effects Inactive Season Work	Actions where permanent effects to potential foraging habitat are anticipated to occur during the inactive bog turtle season without any hydrologic modification.	X	--	X	--	--	--	--	--	--	--	X
PC6	Permanent Foraging Habitat Effects Active Season Work	Actions where permanent effects to potential foraging habitat are anticipated to occur during the active bog turtle season without any hydrologic modification.	X	--	--	X	X	X	X	X	X	X	X
PC7	Upland/Stream Corridor Habitat Effects Active Season Work	Actions which will occur within stream corridors or upland habitats in the vicinity of occupied/assumed supporting wetland habitat during the active bog turtle season with exclusionary measures. No permanent hydrologic impacts to aquatic habitats are anticipated to occur.	X	--	--	X	X	X	X	X	X	--	--
PC8	Upland/Stream Corridor Habitat Effects Inactive Season Work	Actions which will occur within stream corridors or upland habitats in the vicinity of occupied/assumed supporting wetland habitat during the inactive bog turtle season. No permanent hydrologic impacts to aquatic habitats are anticipated to occur.	X	--	X	--	--	--	--	--	--	--	--
PC9	Permanent Hydrologic Effects	Actions where the hydrology of supporting habitat will be permanently altered by the action, resulting in take due to modified hydrology.	X	X	--	X	X	X	X	X	X	X	X

AMM 19 DESCRIPTION OF COMPENSATORY MITIGATION MEASURES

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CERTIFICATION

I certify that ALL information contained within this project submittal form is accurate, and that the indicated avoidance and minimization measures (AMMs), and compensatory commitments will be implemented. I agree to re-consult with the USFWS on this project if changes to the project type, location, timing, size or configuration become necessary. Re-consultation will also be necessary if the avoidance, minimization, and compensatory commitments cannot be implemented.

Signature of FHWA/PennDOT Representative

Date

USFWS PENNSYLVANIA FIELD OFFICE REVIEW COMMENTS

Date of Project Submittal Form Receipt	
USFWS Project Number	
Reviewing Biologist	
Signature of Supervisory Biologist	

(X)	USFWS DETERMINATION
	Project as proposed with commitments is consistent with the programmatic consultation.
	Project as proposed with commitments is <u>not</u> consistent with programmatic consultation; additional information / coordination is requested.
	Project proposed is <u>not</u> consistent with the programmatic consultation and requires individual consultation.