

1. PROJECT SPECIFIC INFORMATION

Mitigation and Monitoring Plan Checklist | 2018

INDOT Environmental Services, Ecology and Waterway Permitting Office Last Revised 4/26/2018

Mitigation Type/Name INDOT Des. Number				
			Number	
Co	ounty			
2.]	DOC	UME	ENT BACKGRO	UND
		er/Fir		
		tal Da		Submittal Number
			/Contact Info.	
Re	eview	Date		
Rev	iew (colum	ns are abbreviate	d as follows: Sufficient (S), Deficient (D), and Not Applicable (NA). All items
mai	rked	defici	ent require resolut	on from the consultant prior to INDOT acceptance of the plan.
3.]	MIT.	IGAT	TION SITE	
S	D	NA	Mitigation Site R	equirements
			☐ Has avoidance	e and minimization of construction impacts occurred to reduce mitigation needed?
				gation site need permits? Use permit determination questions for impacts to
			jurisdictional Reviewer Notes:	waters and floodways to verify if needed. List which permits are needed below.
			Keviewei Noies.	
			ΓΙΟΝ PLAN	
S	D	NA	Mitigation Plan I	
				per, project & mitigation site DES #, county, dates, and specific project information e document and all supplemental materials.
			Reviewer Notes:	document and an suppremental materials.
			B) Introduction/	Goals and Objectives:
			\Box Identifies the v	waterway permits that require the mitigation site.
				of the resource type(s) and amounts(s) that will be compensated for by the mitigation aethod (s) of compensation (restoration, enhancement, preservation, etc.);
			Describes and	quantifies each type of mitigation required (including any buffer areas, preservation
			areas, and/or o	ontingency acreage) at the site and functions gained.
			☐ Credits and rate	tios are listed with an explanation of the determination.
			☐ Describes miti	gation location, gives directions (including mileage), describes where to park, parcel
			IDs, and lat/lo	ng.
			Reviewer Notes:	
		ı	C) Baseline Infor	mation:
			☐ Describes exis	ting vegetation including locations of invasive species.
			☐ Describes map	pped soils, any dug soil pits, and how hydric soils will develop.
			Data describes site observation	existing hydrology (depth of water table, floodplain frequency, stream gauge data, ns, etc.).
			☐ Lists the HUC	8 watershed & has a water budget explaining how there will be sufficient hydrology.
			☐ Wetlands on-s	ite are listed with classification, location, and when delineation was completed.

	☐ Stream descriptions include location, OHWM measurements, classification, water quality, drainage area, and connection.
	Describes climate, landscape setting, adjacent land usage and surrounding vegetation and how they may impact the mitigation site.
	Explains if there are any ETR species at the site and if they will be impacted.
	Explains if there are any archeological or historical resources at the site and if they will be
	impacted.
	D) Mitigation Site Selection:
	☐ Discussion on why site was selected and factors considered during the site selection process.
	☐ Describes why mitigation site will be successful.
	An explanation on how the mitigation site will provide adequate compensation for unavoidable impacts to waters associated with the construction project;
	\Box If on-site mitigation, it is located outside of the clear zone.
	Reviewer Notes:
	E) Work Plan:
	Describes overall design plan for the mitigation site & that as-builts will be submitted to INDOT
	and respective agencies in the 1 st year monitoring plan.
	\Box Discusses when the mitigation site will be constructed and sequencing of the stages.
	☐ Describes soil management and erosion/sediment control measures.
	☐ Describes any hydrologic modifications.
	Discusses planting/seeding needed for each vegetation zone (includes appropriate plantings and seed mixes with correct quantities as well as proposed installation methods/INDOT specs).
	☐ Includes unique special provisions and specifications for stream mitigation measures (j-hooks, cross-vanes, root wads, soil lifts, live stakes, riffle/run/pool complexes, or other unique stream measures).
	Mentions other planned features such as monitoring wells, signs, habitat features, buffers, water control structures and fences and includes unique special provisions for these.
	☐ Describes where permanent site access will be.
	Reviewer Notes:
	F) Success Criteria:
	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);
	☐ The success criteria reflects the success criteria required by the respective agencies.
	☐ Includes measurable performance standards *Reviewer Notes:*
	G) Monitoring Plan:
	☐ Outlines the schedule for monitoring.
	☐ Includes monitoring requirements & protocols for all agencies requiring mitigation at the site.
	☐ Discusses delineation/assessment needs for final year of monitoring.
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<u> </u>	H) Maintenance Plan:
	Outlines a maintenance plan and schedule.
	Describes the invasive species control plan. *Reviewer Notes:*

		I) Adaptive Management Plan:
		☐ Discusses issues that may impact the success of the mitigation site (potential mit. challenges).
		Discusses solutions or ways to prevent the possible issues.
		☐ Discusses contingency and remedial measures in the event of reduced success. *Reviewer Notes:*
		J) Site Protection, Long-Term Management Plan, & Financial Assurances:
		Describes a long-term management plan indicating how the site will be managed after performance
		standards have been met and the responsible party(ies).
		☐ Explains what type of site protection instrument will be used.
		☐ The site has permanent access and right-of-entry.
		☐ Identifies the responsible parties for financial assurances.
		Describes where long-term funding will come from.
		Reviewer Notes:
omme	ents:	
SUP	PLEN	MENTAL MATERIALS
$\mathbf{S} \mid \mathbf{D}$	NA	Supplemental Materials Requirements
, D	11/1	A) Maps:
		There are location, HUC 8, soil, aerial, photo orientation, and topographic maps.
		☐ Project location map shows how to access site and where to park.
		☐ HUC 8 map shows impact site and mitigation site.
		Has existing conditions map which shows water features, photo points, and soil data points.
		Has proposed conditions map which shows different planting zones (acreage listed), proposed stream
		channels, and special features (vernal pools, water control structures, riffles, etc).
		Reviewer Notes:
		B) Waters Report:
		An EWPO approved waters report of the mitigation site is included.
		Reviewer Notes: C) Photos (may be part of waters report):
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		Representative photos of the site and existing features are included with date, direction, and subject matter.
		References to photos on maps and in narrative are correct.
		Reviewer Notes:
		D) Project Plans:
		☐ Plans represent both the existing and proposed project conditions
		☐ All streams and wetlands are labeled on the plans with the appropriate USGS 7.5 minute series nam
	1	☐ Flow direction of any stream is noted on the plans.
	1	☐ Plan sheets with cross sections are provided for all wetland and/or stream creation.
		Planting, grading, and erosion control plan sheets are included if applicable and are appropriate for the mitigation type needed.
		☐ The site is designed in a way that will bring success to the site.
\top		Streams, riffles and pools are placed in a manner that makes sense.
_	+	Planting plan includes quantities of plantings, planting rates, and spacing of plantings
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		g lists reflec	t the region	al species re	commende	d by IDNR	for the north	n. central. a	nd south
		g zones.				.		, , .	
	E) Draft D	eed Restric	tion (ONL)	Y if INDOT	will own t	he property	y):		
	☐ A legal	description		the mitigati				submitted	with
	applicat INDOT		e has review	ed the legal	description	and plat fo	r accuracy		
				Deed Restri				emplate".	
mments:									
Documenta	ition								
ave all databa	ases been up		rence SOP	for databa	se updates a	after applic	ation subm		Receive
	Submittal 1	Submittal 2	Submittal 3	Submittal 4	Submittal 5	Submittal 6	Submittal 7	Final Submittal	Approval
Email Tilestones									
PSCS									
rojectWise Iit Excel									