

FHWA/State DOT/FRA

Preliminary Bat Inspection for Bridges/Structures

Date: 9/29/2015

To: FHWA

From: Andrew Pinter
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Subject: 2788-00-71
Waukesha Bypass
Genesee Road to Madison Street
USH 18
Waukesha County

A preliminary bat inspection was conducted on September 22nd, 2015 for structure B-67-38. located within project 2788-00-71. The inspection took into account all four of the preliminary indicators of bat presence. All cracks and crevices were inspected and no bats were found. There was also no staining or bat guano present at longitudinal or expansion joints. Tops of pier caps, girder flanges, abutment ledges, and attached beamguard all showed no evidence of any bat indicators. The structure did not present a “cave-like atmosphere” as it was a single-span concrete girder bridge. There were no bat indicators present. Refer to the attachments listed below.

Attachments

Attachment 1- Photographs
Attachment 2- Bridge Inspection Form

Attachment 1- Photographs



Figure 1- NB barrier and north abutment (Looking North)



Figure 1-SB barrier and south abutment (Looking South)



Figure 2- North abutment and concrete beams



Figure 3-South abutment and concrete beams



Figure 4- North abutment



Figure 5-South abutment



Figure 6- South abutment (SB lane)



Figure 7-South abutment-bottom of bridge deck and concrete beam (NB lane, looking south)



Figure 8- South abutment- bottom of bridge deck and concrete beam (SB lane, looking south)



Figure 9-Concrete beams (Looking south)



Figure 10- Close up of where concrete beam meets abutment



Figure 11- Bird nests present on abutment- No evidence of bat usage

Attachment 2- Bridge Inspection Form

APPENDIX C: Bridge/Structure Inspection Form

Bridge Inspection Form

This form will be completed and submitted to the District Environmental Manager by the Contractor prior to conducting any work below the deck surface either from the underside, from activities above that bore down to the underside, or that could impact expansion joints, from deck removal on bridges, or from structure demolish. Each bridge/structure to be worked on must have a current bridge inspection. Any bridge/structure suspected of providing habitat for any species of bat will be removed from work schedules until such time that the DOT has obtained clearance from the US Fish and Wildlife Service, if required. Additional studies may be undertaken by the DOT to determine what species may be utilizing structures prior to allowing any work to proceed.

DOT Project # 2788 - 00 - 71	Water Body PEBBLE CREEK	Date/Time of Inspection 9/22/2015 @ 10:00 AM
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Route:	County:	Federal Structure ID:	Bat Indicators				Notes: (e.g., number & species of bats, if known)
Check all that apply. Presence of one or more indicators is sufficient evidence that bats may be using the structure.			Visual	Sound	Droppings	Staining	
USH 18	WAUKESHA						
	B-67-38						NO BAT INDICATORS PRESENT

Areas Inspected (Check all that apply)

Bridges		Culverts/Other Structures		Summary Info (circle all that apply)			
All vertical crevices sealed at the top and 0.5-1.25" wide & ≥4" deep	NONE	Crevices, rough surfaces or imperfections in concrete		Human disturbance or traffic under bridge/in culvert or at the structure	High	Low	None
All crevices >12" deep & not sealed	NONE	Spaces between walls, ceiling joists		Possible corridors for netting	None/poor	Marginal	excellent
All guardrails	✓			Evidence of bats using bird nests, if present?	Yes	No	
All expansion joints	✓						

April 17, 2015

Spaces between concrete end walls and the bridge deck	✓						
Vertical surfaces on concrete I-beams	✓						

Inspection Conducted By: <u>ANDREW PINTER</u> <u>DOUG CAEN</u>	Signature(s): <u>Andrew Pinter</u> <u>Douglas A. Caen</u>
District Environmental Use Only:	Date Received by District Environmental Manager: _____

DOT Bat Inspection Form Instructions

1. Inventories must be completed prior to conducting any work below the deck surface on all bridges that meet the physical characteristics described in the Programmatic Informal Consultation, regardless of whether inventories have been conducted in the past. **Due to the transitory nature of bat use, a negative result in one year does not guarantee that bats will not use that structure in subsequent years.**
2. Contractors must complete this form no more than seven (7) business days prior to initiating work at each bridge/structure location. Legible copies of this document must be provided to the District Environmental Manager within two (2) business days of completing the inspection. Failure to submit this information will result in that structure being removed from the planned work schedule.
3. Any bridge/structure suspected of providing habitat for any species of bat will be removed from work schedules until such time that the DOT has obtained clearance from the USFWS, if required. Additional studies may be undertaken by the DOT to determine what species may be utilizing each structure identified as supporting bats prior to allowing any work to proceed.
4. Estimates of numbers of bats observed should be placed in the Notes column.
5. Any questions should be directed to the District Environmental Manager.