



BMP Inspection Job Aid

Amphibian and Reptile Exclusion Fence (AREF)

This checklist is a job aid to provide guidance when inspecting EPIC Best Management Practices

INSTALLATION		Y, N, N/A
1.	Was the AREF installed in accordance with project phasing based on species, and prior to the commencement of any work?	
2.	Has the AREF been installed along the perimeter of the project in accordance with the plans?	
3.	Is the AREF the outer-most BMP?	
4.	Are steel posts T-posts with a min. 4ft length and min. weight of 1.25 lb. per foot?	
5.	Are steel posts imbedded a min. of 18 in. deep or adequately anchored, if in rock?	
6.	Are steel posts spaced at 6ft. intervals?	
7.	Is geo-textile fabric used in accordance with DMS-6230 with width of min. 3 ft.?	
8.	Is net reinforcement 12.5 GA SWG Min. galvanized wire mesh with max. opening of 2in.x4in. and min. width of 30in.? OR 12.5 GA SWG Min. hinge joint knot woven mesh, with horizontal and vertical wires spaced max. 12in. apart?	
9.	Is net reinforcement attached to steel posts with four evenly spaced T-clips or sewn vertical pockets?	
10.	Is filter fabric secured to net reinforcement using hog rings or cord at a max. spacing of 15in.?	
11.	Is filter fabric installed to face away from construction, and net reinforcement towards construction?	
12.	Is filter fabric trenched in 6in. deep and 6in. horizontally (facing away from construction, and trench backfill has been hand tamped?	
13.	Do filter fabric splices have a minimum of 2ft. overlap and located at steel posts?	
14.	Are splices smooth and taped down to prevent gaps?	
15.	Are spliced sections outside of areas with concentrated flow?	
16.	Are J-hooks of min. 18in. installed at driveways and roadway intersections?	
17.	Are culverts fully encompassed or excluded on both ends of the AREF?	
18.	Is the AREF marked with spray painted letters in a bright color every 50ft.?	
INSPECTION		Y, N, N/A
1.	Are inspections occurring at correct frequency based on species specific criteria?	
2.	Are all site personnel appropriately trained based on species specific criteria?	
3.	Is the 24-in. vertical clearance (from ground to top of AREF) being maintained on both sides?	
4.	Is sedimentation, vegetation, and other debris removed daily?	
5.	Are holes of less than 1in. diameter being repaired using duct tape daily?	
6.	Is filter fabric replaced for sections of AREF with holes of 1in. diameter or larger are discovered?	
7.	Has the filter fabric begun to photodegrade?	
8.	Has the AREF been damaged by construction activities?	
MAINTENANCE		Y, N, N/A
1.	Have all required repairs been made in a timely manner?	
2.	Are all maintenance and repairs being tracked properly?	
3.	Have the biologists been notified on any major issues encountered?	
4.	Is the only reason maintenance has not occurred due to "Too Wet Too Work"?	
Comments/Notes:		
Reference: TXDOT Amphibian and Reptile Exclusion Fence detail sheet: AREF-21 TxDOT SS5116 Amphibian and Reptile Exclusion Fence		