

STORM WATER POLLUTION PREVENTION PLAN

Route: FAP 75 and FAP 174 Marked: IL 29 and IL 48  
 Section: 4I, (136)B-1 Project No.:  
 Bear Creek County: Christian Contract No.: 72A61  
 Starting Station: Sta. 621+50.00 (Longitude: 1,011,574.7644 Latitude: 2,505,527.5009)  
 Ending Station: Sta. 632+50.00 (Longitude: 1,012,382.9503 Latitude: 2,506,273.7129)

SITE DESCRIPTION

Description of Construction Activity:

1. The proposed project consists of the removal and replacement of the bridge carrying IL 48 over Bear Creek, approximately 1.0 mile southwest of Palmer and the bridge carrying IL 29 over IL 48 approximately 0.1 miles east of the IL 48 ramp in Taylorville in Christian County. The project will be constructed on the existing alignments and will include reconstruction and resurfacing of approximately 0.20 miles of IL 48.
2. Additional construction activities consist of HMA base course widening, HMA resurfacing, HMA and aggregate shoulders, ditch grading, embankment, topsoil placement, channel grading, slope wall removal, slope protection with riprap and other miscellaneous work to complete improvements.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

1. Tree removal will be completed to clear approximately 0.47 acres of wooded land.
2. Excavation will be completed along the project to grade out for proposed roadway ditches and waterways.
3. Embankment will be completed in fill areas to raise the existing ground elevation to meet the proposed roadway foreslopes and backslopes.
4. Placement, maintenance, removal and proper clean-up of temporary erosion control items, such as temporary ditch checks, perimeter erosion barrier and temporary seeding.
5. Placement of permanent erosion control items, such as riprap ditch lining, erosion control blanket and seeding.
6. Final grading, paving and other miscellaneous items.

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10 \_\_\_\_\_ issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

*Royan L. Amiskell*  
 (Signature)

08/16/13  
 (Date)

*Royan Four Engineers*  
 (Title)

Note: The above boxed in area will be filled out by IDOT - Construction after the award of the contract to obtain the required NPDES permit.

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.

All disturbed areas having high potential for erosion, as determined by the Engineer, shall be temporarily seeded or permanently seeded by October 1st of each construction year and shall not be reopened until after the winter shutdown period.

Area of Construction Site:

The total drainage area entering and including the construction site, at Bear Creek, is estimated to be approximately 48.7 square miles in which 3.4 acres will be disturbed by excavation, grading or other activities.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

1. Estimated run-off coefficients are contained in the project drainage study.
2. Information on the soils within the site was obtained from field reviews which were utilized for proposed placement of the temporary erosion control systems.
3. Site maps indicating drainage patterns and approximate slopes were contained in the project design report, USGS drainage maps, project drainage study and project plan documents were all utilized for proposed placement of the temporary erosion control systems.

Drainage Tributaries Receiving Water from this Construction Site:

The receiving water is Bear Creek. Bear Creek flows into the South Fork Sangamon River, to the Sangamon River and then into the Illinois River near Beardstown.

FILE NAME *	USER NAME * g.joneson	DESIGNED -	REVISED - AUG 2007 (JCN)	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\jobs\idot.d\6\7637 pfb 158-826\7637.0\cadd\cadd sheets\0672661-SHT-SWPPP.dgn	DRAWN - CADD	REVISED - OCT 2010 (JCN)	* 75(IL 29) & 714(IL 48)			(4)I, 136B-1	CHRISTIAN	97	33	
Default:SWPPLAN.DGN	PLOT SCALE = 48,000' / IN.	CHECKED - JCN	REVISED - MAY 2012 (JPM)			CONTRACT NO. 72A61		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 8/16/2013	DATE - APRIL 5, 1999	REVISED -			SCALE: NTS	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.	