

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT 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 PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 AND THE DETAILS IN THE PLANS.

SECTION 280, TEMPORARY EROSION CONTROL, OF THE IDOT STANDARD SPECIFICATIONS, ADDITIONALLY SUPPLEMENTS THIS PLAN.

SITE DESCRIPTION - DESCRIPTION OF CONSTRUCTION ACTIVITY:

THE PROJECT CONSISTS OF THE RECONSTRUCTION OF ILLINOIS ROUTE 56, FROM WEST OF ILLINOIS ROUTE 59 TO EAST OF WINFIELD ROAD; IL. RTE. 59, FROM 1,000' SOUTH OF IL. RTE. 56 TO 1,000' NORTH; BATAVIA ROAD, FROM 700' SOUTH OF IL. RTE. 56 TO 900' NORTH; WINFIELD ROAD, FROM 1,200' SOUTH OF IL. RTE. 56 TO 1,200' NORTH. THE PROJECT ALSO INCLUDES THE REPLACEMENT OF AN EXISTING BRIDGE OVER THE WEST BRANCH OF THE DUPAGE RIVER AND A BOX CULVERT AT FERRY CREEK.

1. SPECIFICALLY, THE CONSTRUCTION INCLUDES BOTH ROADWAY WORK AND STRUCTURAL WORK.
 - A. THE ROADWAY WORK WILL INCLUDE PAVEMENT REMOVAL, EARTH EXCAVATION, TEMPORARY PAVEMENT PLACEMENT, EMBANKMENT PLACEMENT, STORM SEWER AND CULVERT INSTALLATION, ROADWAY LIGHTING AND TRAFFIC SIGNAL INSTALLATIONS, HOT MIX ASPHALT AND PORTLAND CEMENT CONCRETE PAVEMENT PLACEMENT AND NEW GUARDRAIL.
 - B. THE STRUCTURAL WORK AT THE DUPAGE RIVER WILL INCLUDE REMOVAL OF THE EXISTING BRIDGE DECK, IN-STREAM PIERS AND EXISTING ABUTMENTS. THE PROPOSED WORK WILL INCLUDE THE CONSTRUCTION OF IN-STREAM PIERS, ABUTMENTS WITH RIPRAP PROTECTION, THE PLACEMENT OF NEW BEAMS AND A NEW CONCRETE DECK. AT FERRY CREEK, THE STRUCTURAL WORK WILL CONSIST OF REMOVING THE EXISTING BOX CULVERT AND CONSTRUCTING A NEW DOUBLE BOX CULVERT.
2. THIS PROJECT IS LOCATED IN THE CITY OF WARRENVILLE AND ADJACENT TO DUPAGE COUNTY FOREST PRESERVE. THE RECEIVING WATERS FOR RUNOFF FROM THIS SITE ARE FERRY CREEK AND THE WEST BRANCH OF THE DUPAGE RIVER. WETLAND IMPACTS WILL OCCUR AT 7 OF THE 9 WETLANDS LOCATED WITHIN THE PROJECT. A TOTAL OF 3.71 ACRES WILL BE PERMANENTLY IMPACTED BY THE PROPOSED IMPROVEMENTS. THE PROJECT WILL ALSO HAVE 0.67 ACRES OF TEMPORARY WETLAND IMPACTS.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

PRE-STAGE ACTIVITIES

1. INSTALL TEMPORARY CHAIN LINK FENCE, PAID FOR AS "PERIMETER EROSION BARRIER, SPECIAL", ALONG THE LIMITS OF THE WETLANDS AND RECEIVING BODIES OF WATER AS SHOWN ON THE PLANS.
2. PERFORM TREE REMOVAL AS SHOWN ON THE PLANS.
3. INSTALL WOOD POLES FOR TEMPORARY LIGHTING AND TRAFFIC SIGNALS.
4. INSTALL TEMPORARY PAVEMENT AS NEEDED FOR TRAFFIC STAGING.
5. INSTALL ANY STORM SEWERS OR CULVERTS NEEDED TO MAINTAIN DRAINAGE DURING STAGE I.

STAGE I ACTIVITIES (EASTBOUND CONSTRUCTION)

- A. CONSTRUCTION OF THE EASTBOUND HALF OF THE BRIDGE OVER THE WEST BRANCH OF THE DUPAGE RIVER AND THE SOUTH HALF OF THE FERRY CREEK CULVERT.
- B. THE IN-STREAM WORK AT THE DUPAGE RIVER WILL CONSIST OF THE CONSTRUCTION OF THE PROPOSED PIER AND PLACEMENT OF THE RIPRAP PROTECTION. AT FERRY CREEK THE CONTRACTOR WILL NEED TO MAINTAIN THE FLOW IN THE CREEK DURING CONSTRUCTION OF THE CULVERT.
- C. CLEARING AND GRUBBING, EXCAVATION AND PLACEMENT OF EMBANKMENT, DITCH GRADING, INSTALLATION OF STORM SEWERS, CATCH BASINS AND CULVERTS, CONSTRUCTION OF PAVEMENT AND THE PLACEMENT OF TOPSOIL, SEEDING AND SODDING.

STAGE II ACTIVITIES (WESTBOUND RECONSTRUCTION)

- A. REMOVAL OF THE EXISTING BRIDGE AND CONSTRUCTION OF THE WESTBOUND HALF OF THE BRIDGE OVER THE WEST BRANCH OF THE DUPAGE RIVER AND THE NORTH HALF OF THE FERRY CREEK CULVERT.
- B. THE IN-STREAM WORK AT THE DUPAGE RIVER WILL CONSIST OF THE REMOVAL OF THE EXISTING PIERS, THE CONSTRUCTION OF THE PROPOSED PIER, REMOVAL OF THE EXISTING PIERS AND PLACEMENT OF THE RIPRAP PROTECTION.
- C. SAME AS C ABOVE.

AREA OF CONSTRUCTION SITE

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 85 ACRES OF WHICH 85 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN REFERENCED DOCUMENTS

1. INFORMATION ON THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM THE SOIL BORINGS AND THE NATURAL RESOURCES AND CONSERVATION DISTRICT'S SOIL MAP THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWING INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE

1. DRAINAGE TRIBUTARY AREAS WILL NOT BE DEVIATED FROM, DURING PRE-CONSTRUCTION, CONSTRUCTION, OR POST CONSTRUCTION STAGES, DUE TO THE PROPOSED IMPROVEMENTS.
2. STORM WATER RUNOFF, FROM THE PAVEMENT, WILL EITHER SHEET FLOW OFF THE PAVEMENT TO DITCHES OR TO CURB AND GUTTER AND INTO A CLOSED DRAINAGE SYSTEM.
 - A. WHERE THE RUNOFF FLOWS ADJACENT TO WETLAND AREAS, ALONG FOREST PRESERVE PROPERTY AND ALONG THE WEST BRANCH OF THE DUPAGE RIVER AND FERRY CREEK, THESE AREAS WILL BE PROTECTED FROM SEDIMENT AND ENCROACHMENT BY THE INSTALLATION OF "PERIMETER EROSION BARRIER, SPECIAL" AS WELL AS UPSTREAM STABILIZATION PRACTICES.

FILE NAME =D162420-shw-eroswpppl.dgn
 PLOT DATE =12/2/2010
 PLOT SCALE=50.0000' / IN.



DESIGNED - S.J.P.	REVISED -
DRAWN - A.C.S.	REVISED -
CHECKED - M.P.	REVISED -
DATE - DECEMBER 3, 2010	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL
 STORM WATER POLLUTION PREVENTION PLAN - IL. RTE. 56**

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. 90+00 TO STA. 255+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(58&59) WRS-3	DUPAGE	466	59
CONTRACT NO. 62420				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				