

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	131B (1&2) BR	McHENRY	107	28
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60B83

STORM WATER POLLUTION PREVENTION PLAN (CONTINUED)

EROSION CONTROL AND SEDIMENT CONTROL - DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDES TEMPORARY SEEDING, PERMANENT SEEDING, EROSION CONTROL BLANKET, PROTECTION OF TREES, PRESERVATION OF NATURE VEGETATION, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
 - A. AREAS OF EXISTING VEGETATION (WOOD AND GRASSLAND) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY THE INSTALLATION OF "FENCE (EROSION CONTROL), SPECIAL". THIS CONSISTS OF A CHAIN LINK FENCE WITH PERIMETER EROSION BARRIER ATTACHED.
 - B. FOR IN-STREAM WORK IN COFFERDAM AREAS, SUMPS SHALL BE INSTALLED AND WATER PUMPED FROM THESE SUMPS SHALL BE FILTERED THROUGH A PORTABLE SEDIMENT TANK PRIOR TO OUTLETTING INTO THE WETLAND AREAS OR THE CREEK.
 - C. AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, FENCE (EROSION CONTROL), SPECIAL AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND/OR DIRECTED BY THE ENGINEER.
 - D. BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODABLE AREAS, AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.
 - E. IMMEDIATELY AFTER TREE REMOVAL AND THE PLACEMENT OF TEMPORARY SILT FENCING/PERIMETER BARRIER IS COMPLETED, AREAS WHICH ARE HIGHLY ERODABLE AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.
2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVERSEEDING CAN BE COMPLETED.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS, AS OUTLINED PREVIOUSLY HEREIN, SHALL BE PROTECTED AND FENCED OFF. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING AND SHALL NOT HAVE ACCESS TO, OR BE ABLE TO STORE MATERIALS OR EQUIPMENT IN AREAS OUTSIDE THE CONSTRUCTION LIMITS.
 - A. AREAS WITHIN THE CONSTRUCTION LIMITS, WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER, SHALL REMAIN UNDISTURBED UNTIL THE ROADWAY CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION. DURING STAGE IA AND STAGE IIA, THE CONTRACTOR SHALL NOT BE ALLOWED TO PERFORM PAVEMENT REMOVAL; AND DISTURB OR EXCAVATE ANY AREAS NOT NEEDED FOR THE CONSTRUCTION OF THE PROPOSED BRIDGES. THE EXISTING PAVEMENT SHOULDERS AND GRASS EMBANKMENT SHALL BE LEFT UNDISTURBED UNTIL THE ROADWAY WORK IN STAGE IB OR IIB IS READY TO BEGIN.
 - B. EARTH STOCKPILES SHALL NOT BE ALLOWED WITHIN THE CONSTRUCTION LIMITS.
 - C. ACCESS RAMPS EXCAVATED DOWN TO THE STREAM BED SHALL HAVE "POROUS GRANULAR EMBANKMENT, SUBGRADE" PLACED ON A 20' WIDE SECTION OF THE EXCAVATED SURFACE. THIS SHALL STABILIZED THE WORK AREA. AND SERVE AS A STABILIZED CONSTRUCTION ENTRANCE DURING CONSTRUCTION.

2. AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
 - A. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
 - B. TEMPORARILY SEED AND PLACE EROSION CONTROL BLANKET ON ERODABLE BARE EARTH, ON A WEEKLY BASIS, TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONSTRUCTION LIMITS.
 - C. CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
 - D. CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE, WHILE AT THE SAME TIME, PLACING PERMANENT EROSION CONTROL SUCH AS RIPRAP DITCH LINING AND CONDUCTING FINAL SHAPING TO THE SLOPES.
 - E. EXCAVATED AREAS AND EMBANKMENTS SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING, IF NOT, THEY SHALL BE TEMPORARILY SEEDED AND COVERED WITH EROSION CONTROL BLANKET IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS. PROPOSED DITCHES SHALL BE SODDED AS SOON AS POSSIBLE AFTER GRADING IS COMPLETE.

3. CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OF OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE. IF POSSIBLE EQUIPMENT SHOULD BE FUELED AND SERVICED OUTSIDE THE LIMITS OF THE MCD PROPERTY.
4. THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY, AFTER RAINS OR EQUIVALENT SNOWFALL OF 0.5 INCHES OR GREATER, AND DURING THE WINTER SHUTDOWN PERIOD. ADDITIONALLY, THE PROJECT SHALL BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER, IN A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE, AND/OR IF OTHER EROSION CONTROL WORK IS NECESSARY.
5. SEDIMENT COLLECTED DURING THE CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF OFF THE SITE, ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EARTH EXCAVATION FOR EROSION CONTROL.
6. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER IT IS NO LONGER NEEDED OR IT IS NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.
7. WATER FILLED COFFERDAMS ARE PROPOSED TO PROVIDE A DE-WATERED WORKING AREA FOR THE IN-STREAM CONSTRUCTION. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A SUMP IN EACH OF THESE AREAS FOR DEWATERING AND TO PROVIDE TEMPORARY WORK PLATFORMS TO MINIMIZE DISTURBANCE TO THE STREAM BED.
 - A. FOR OTHER IN-STREAM WORK (I.E. INSTALLATION AND REMOVAL OF COFFERDAMS, SEDIMENT REMOVAL) SILT CURTAINS WILL BE USED BY THE CONTRACTOR TO CONTAIN ALL DISTURBED SEDIMENT.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING

1. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY, AND ALL PROPOSED TURF AREAS ARE SEEDED AND ESTABLISHED.
2. ONCE PERMANENT EROSION CONTROL SYSTEMS, AS PROPOSED IN THE PLANS, ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED AND CLEANED UP, AND ANY ADDITIONAL DISTURBED TURF AREAS NEED TO BE RESEEDED.

MAINTENANCE AFTER CONSTRUCTION

1. CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY IDOT'S FINAL INSPECTION. MAINTENANCE UP TO THAT DATE WILL BE BY THE CONTRACTOR.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL
STORM WATER POLLUTION PREVENTION PLAN
IL. RTE. 173

SCALE: NONE
DATE: APRIL 16, 2007

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