

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 "PERIMETER EROSION BARRIER, SPECIAL" OR TEMPORARY FENCE.
 - 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 OR BAG PRIOR TO OUTLETING.
 - C. ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, PERIMETER EROSION BARRIER, SPECIAL AND PERIMETER EROSION BARRIER SHALL BE INSTALLED SHOWN ON THE PLANS AND/OR DIRECTED BY THE ENGINEER.
 - D. BARE AND SPARSELY VEGETATED GROUND IN HIGHLY 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 PERIMETER EROSION 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.
 - B. ACCESS RAMPS TO THE STREAMBED AND WORK PLATFORMS SHALL BE STABILIZED WITH AGGREGATE. THIS SHALL STABILIZE 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 SEEDING AND PLACE EROSION CONTROL BLANKET OR MULCH METHOD 3 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 DITCH CHECKS AND/OR ROCK CHECK DAMS.
 - D. CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE, WHILE AT THE SAME TIME PLACING PERMANENT EROSION CONTROL SUCH AS RIPRAP, AGGREGATE DITCH LINING AND CONDUCTING FINAL SHAPING TO THE SLOPES.
 - E. EXCAVATED AREAS AND EMBANKMENTS SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING AND TOPSOIL PLACEMENT. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS. PROPOSED DITCHES SHALL BE SEEDED OR SODDED AS SOON AS POSSIBLE AFTER GRADING IS COMPLETE.
 - F. REINSTALL "PERIMETER EROSION BARRIER, SPECIAL" AS NEEDED TO ACCOMMODATE CHANGING CONDITIONS AT FERRY CREEK AND AT THE WEST BRANCH OF THE DUPAGE RIVER.
 - G. PROPOSED INLETS AND PIPES SHALL BE PROTECTED IMMEDIATELY AFTER THEY ARE CONSTRUCTED UNTIL THE SURFACES THAT DRAIN TO THEM ARE PAVED OR REVEGETATED.

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.
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, ON 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 SHALL BE REMOVED FROM THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS AS NEEDED OR AS DIRECTED BY THE ENGINEER. THIS SHALL BE PAID FOR AS EARTH EXCAVATION FOR EROSION CONTROL.
6. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER THEY ARE NO LONGER NEEDED OR THEY ARE NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.
7. 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, RIPRAP PLACEMENT) 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. CATCH BASINS AND INLETS SHALL HAVE INLET FILTERS INSTALLED IMMEDIATELY AFTER THEY ARE CONSTRUCTED.
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 SHALL BE RESEEDED. SEDIMENT BASINS SHALL BE FILLED AND REVEGETATED. INLET FILTERS SHALL REMAIN INSTALLED UNTIL THEIR REMOVAL IS APPROVED BY THE ENGINEER.

MAINTENANCE AFTER CONSTRUCTION

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

MISCELLANEOUS

1. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRES.
2. STRAW BALES AND/OR HAY BALES WILL NOT BE PERMITTED FOR USE AS TEMPORARY OR PERMANENT DITCH CHECKS, PERIMETER EROSION BARRIER AND SILT FENCES. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATES, SILT PANELS, ROLLED EXCELSIOR BLANKETS, URETHANE FOAM/GEOTEXTILE (SILT WEDGES), AND/OR ANY OTHER MATERIAL APPROVED BY THE EROSION AND SEDIMENT CONTROL COORDINATOR.
3. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN, PRIOR TO THE APPROVAL AND USE OF THE PRODUCT. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
4. ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN IN THE PLANS OR ON STANDARD 280001. MAINTENANCE AND CLEANING OF THE EROSION CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE EROSION CONTROL PAY ITEMS.
5. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATIONS NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
6. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
7. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION. TEMPORARY EROSION CONTROL SEEDING SHALL BE PROVIDED PER SUB-STAGE AS SOON AS ROUGH GRADING IS COMPLETED IN A SECTION. ANY AREA WHERE THERE IS NO PROPOSED GRADING THE EXISTING GROUND COVER SHALL REMAIN.

FILE NAME =D162420-sh1-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. 2 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	60
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62420	