

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0083 02-00270-00-BR	MCHENRY		37	17
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO.: 83872				

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

1. THE AREA BETWEEN THE EXISTING AND PROPOSED RIGHT-OF-WAY/TEMPORARY EASEMENT BOUNDARIES AND LIMITS OF THE PROJECT SHALL BE IMPROVED AND MANAGED FOR THE PURPOSES OF CONTROLLING EROSION WITHIN THE AREA, REDUCING WATER FLOW BY TEMPORARY DIVERSION AND MINIMIZING SILTATION INTO THE CONSTRUCTION ZONE, AND ESTABLISHING VEGETATIVE COVER FOR THE PURPOSE OF BECOMING PERMANENT VEGETATION ACTING AS AN EROSION BARRIER. RESPONSIBILITIES OF THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION WILL CONSIST OF THE FOLLOWING:
 - (A) AREAS OF EXISTING VEGETATION (WOODS AND GRASSLANDS) OUTSIDE PROPOSED CONSTRUCTION SLOPE LIMITS SHALL BE IDENTIFIED AND PROTECTED FROM MOWING, BRUSH CUTTING, TREE REMOVAL AND OTHER ACTIVITIES WHICH WOULD BE DETRIMENTAL TO THEIR MAINTENANCE AND DEVELOPMENT,
 - (B) DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL,
 - (C) AS SOON AS REASONABLE ACCESS IS AVAILABLE (INCLUDING TREE REMOVAL) TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, SEDIMENT BASINS, RIPRAP DITCH CHECKS, TEMPORARY DITCH CHECKS, AND/OR EROSION CONTROL FENCE SHALL BE INSTALLED AS INDICATED BY PLANS AND AS DIRECTED BY THE ENGINEER,
 - (D) AT LOCATIONS WHERE SIGNIFICANT AMOUNTS OF WATER DRAIN ONTO THE CONSTRUCTION ZONE FROM OUTSIDE ADJACENT AREAS, EROSION CONTROL FENCE, TEMPORARY DITCH CHECKS, OR RIPRAP DITCH CHECKS SHALL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINES. EROSION CONTROL ITEMS SHALL NOT BE INSTALLED WHERE POTENTIAL FLOODING MAY OCCUR TO UPSTREAM PRIVATE PROPERTY WHICH COULD CAUSE CROP DAMAGES OR OTHER UNDESIRABLE CONDITIONS.
2. FILTER AREAS SHALL PROTECT THE CONSTRUCTION SITE FROM WINDS, EXCESS SUN, NOISE AND DUST.


- (F) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED AND APPROVED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUN-OFF IN COMPLIANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
- (G) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT WEEKLY OR AFTER A SINGULAR OR CUMMULATIVE RAINFALL EVENT(S) OF 0.5 INCHES OR MORE OVER A 24-HOUR PERIOD. THE PROJECT MAY ADDITIONALLY BE INSPECTED BY A MCHENRY COUNTY SWCD ENFORCEMENT OFFICER, NRCS OR ARMY COPRS OF ENGINEERS DISTRICT REPRESENTATIVE THROUGHOUT ALL ACTIVE CONSTRUCTION PHASES TO DETERMINE WHETHER ALL SOIL EROSION/SEDIMENT CONTROL PRACTICES HAVE BEEN INSTALLED AND ARE FUNCTIONING PROPERLY.
- (H) SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER.
- (I) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE TEMPORARY EROSION CONTROL SYSTEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING ROADWAY CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED FROM DAMAGING EFFECTS OF CONSTRUCTION. THE CONTRACTOR SHALL NOT USE THIS AREA FOR THE PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
 - (A) LOCATIONS WITHIN THE CONSTRUCTION ZONE, WHICH HAVE POTENTIAL HIGH LEVELS OF WATER, AS DETERMINED BY THE ENGINEER, SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
 - (B) TOPSOIL AND EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN (14) DAYS.
 - (C) AS THE CONTRACTOR CONSTRUCTS A PORTION OF ROADWAY IN A FILL SECTION, HE/SHE SHALL FOLLOW THE FOLLOWING STEPS AS DIRECTED BY THE ENGINEER:
 1. INSTALL TEMPORARY EROSION CONTROL SYSTEMS AT LOCATIONS WHERE WATER LEAVES AND ENTERS THE CONSTRUCTION ZONE,
 2. INSTALL TEMPORARY SEED AT HIGHLY ERODABLE AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS,
 3. CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS,
 4. CONSTRUCT TEMPORARY WATER DIVERSIONS AROUND PROPOSED CULVERT LOCATIONS,
 5. CONSTRUCT NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN PERFORM INSTALLATION OF CULVERT,
 6. CONSTRUCT THE EMBANKMENT TO THE PROPOSED LINES AND GRADES SHOWN ON THE PLANS, INSTALL PERMANENT EROSION CONTROL AND CONDUCT FINAL SHAPING TO THE SLOPES.
 - (D) THE CONTRACTOR SHALL IMMEDIATELY FOLLOW MAJOR EARTH MOVING OPERATIONS WITH FINAL GRADING OPERATIONS. AFTER THE MAJOR EARTH SPREAD OPERATION HAS MOVED TO A NEW LOCATION, FINAL GRADING SHALL BE COMPLETED WITHIN FOURTEEN (14) DAYS. IF GRADING IS NOT COMPLETED WITHIN FOURTEEN (14) DAYS, ALL MAJOR EARTH MOVING OPERATIONS WILL BE STOPPED, AS DIRECTED BY THE ENGINEER, UNTIL DISTURBED AREAS ARE FINAL GRADED AND SEEDED,
 - (E) EXCAVATED AREAS AND EMBANKMENTS SHALL BE PERMANENTLY SEEDED UPON FINAL GRADING.

MAINTENANCE OF SITE AFTER CONSTRUCTION

1. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED TO BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED. ALL TRAPPED SEDIMENT IS REQUIRED TO BE PROPERLY STABILIZED OR DISPOSED.
2. SIDE SLOPES MUST BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING.
3. CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE IS RECEIVED AT THE FINAL INSPECTION. ALL SE/SC SITE INSPECTIONS WILL BE DOCUMENTED WITH ALL INFORMATION BEING ACCURATE AND COMPLETE
4. MAINTENANCE CREWS SHALL PERFORM REGULAR MOWINGS TO AID IN KEEPING WEEDS DOWN AND ESTABLISHING A GOOD ROADSIDE SEED STAND
5. MAINTENANCE CREWS WILL ALSO AID IN ANY DITCH LINING MAINTENANCE OR IN ANY DRAINAGE PROBLEMS
6. ALL MAINTENANCE WILL BE CONDUCTED AT TIMES WHEN WEATHER CONDITIONS WILL NOT CAUSE SITE DAMAGE

	REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION EROSION CONTROL PLAN T.R. 0083 (STREIT ROAD) OVER NORTH BRANCH OF THE KISHWAUKEE RIVER T.R. 0083 SECTION 02-00270-00-BR MCHENRY COUNTY S.N. 056-3067			
	NAME	DATE				
SCALE: VERT.		DRAWN BY JDM				
HORIZ.		CHECKED BY AJS				
DATE 8/23/2006						