

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	*	MCHENRY	502	109
STA. 9+35.22		TO STA.142+08.53		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

\* (105X & 106) WRS-2

- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED, AT A MINIMUM, ACCORDING TO THE IDOT STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, HIGHWAY STANDARDS AND DETAILS AND THE DISTRICT ONE DESIGN GUIDELINES FOR USE OF LANDSCAPE, EROSION AND SEDIMENT CONTROL, AND AESTHETIC FINISH ITEMS, CONTAINED HEREIN, REVISED TO THE LATEST EDITION AS AMENDED. A COPY OF THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IN CONJUNCTION WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- THE CONTRACTOR SHALL CLEAN UP AND GRADE THE WORK AREA AS THE PROJECT PROGRESSES TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR SHALL INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT SHALL BE CLEANED DAILY TO REMOVE EARTHEN MATERIAL AND DEBRIS TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES, STORMWATER STRUCTURES OR WATERS OF THE US IS STRICTLY PROHIBITED.
- THE CONTRACTOR SHALL MAINTAIN AND PRESERVE ANY EXISTING SUB-SURFACE DRAINAGE SYSTEMS, SUCH AS FIELD TILES, ACCORDING TO EXISTING DESIGN AND CONSTRUCTION STANDARDS.
- NO STREAMBANK WORK IS ALLOWED BEYOND THE PERMITTED AREA.
- CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED TO MINIMIZE THE TIME SOIL IS EXPOSED AND UNPROTECTED.
- THE CONTRACTOR SHALL MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN (7) DAYS OF THE FOLLOWING:
  - DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED.
  - STRUCTURAL CONTROL MEASURES, INCLUDING BUT NOT LIMITED TO, PERIMETER EROSION BARRIER AND DITCH CHECKS.
  - LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE.
- THE CONTRACTOR MUST COOPERATE WITH ANY AGENTS WHO MAKE SITE VISITS IN THE FIELD TO REVIEW COMPLIANCE AND AUDIT THE LOGS AND RECORDS IN COMPLIANCE WITH THE STORMWATER POLLUTION AND PREVENTION PLAN (SWPPP), THE JOINT APPLICATION AND FLOODWAY PERMIT.
- STOCKPILES OF SOIL SHALL NOT BE LOCATED WITHIN FLOODPLAINS, RIPARIAN AREAS, WETLANDS AND WATERS OF THE US.
- IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE (3) DAYS, THEN SEDIMENT AND EROSION CONTROL SHALL BE PROVIDED FOR SAID STOCKPILE. SEDIMENT AND EROSION CONTROL MAY BE COMPRISED OF PERIMETER EROSION BARRIER SURROUNDING THE STOCKPILE OR A COVERING OVER THE STOCKPILE.

- IF THE VOLUME, VELOCITY, SEDIMENT LOAD OR PEAK FLOW RATES OF STORMWATER RUNOFF ARE TEMPORARILY INCREASED DURING CONSTRUCTION THEN PROPERTIES AND SPECIAL MANAGEMENT AREAS DOWNSTREAM FROM SUCH DEVELOPMENT SITES SHALL BE PROTECTED FROM EROSION.
- TEMPORARY DITCH CHECKS SHALL BE PLACED AFTER DITCH IS INSTALLED AND BEFORE STORM DRAIN BECOMES OPERATIONAL. THE TEMPORARY DITCH CHECK SHALL BE CONSTRUCTED SO THAT THE CENTER IS APPROXIMATELY SIX (6) INCHES LOWER THAN THE OUTER EDGES SO WATER WILL FLOW ACROSS THE CENTER AND NOT AROUND THE ENDS. SPACING BETWEEN TEMPORARY DITCH CHECKS SHALL BE AS SHOWN ON THE PLANS.
- ANY AGGREGATE BASE EROSION CONTROL MEASURES SHALL BE REMOVED AND REPLACED WITH NEW AGGREGATE WHEN STRUCTURE BECOMES PLUGGED, SILT LADEN OR AS REQUIRED BY INSPECTION.
- EMBANKMENT SLOPES SHALL NOT EXCEED TEN (10) FEET IN HEIGHT WITHOUT THE PLACEMENT OF SLOPE STABILIZATION INCLUDING, BUT NOT LIMITED TO TEMPORARY SEEDING, PERMANENT SEEDING OR SLOPE EROSION CONTROL.
- EROSION CONTROL MEASURES SHALL BE PROVIDED FOR ALL EXISTING AND PROPOSED INLET STRUCTURES WITHIN THE CONSTRUCTION LIMITS.
- INLET FILTERS ARE TO BE MAINTAINED WHERE INDICATED IN THE CURRENT STAGE AND IF INSTALLED IN A PREVIOUS STAGE.
- ALL AREAS BROUGHT TO FINAL GRADE WILL BE STABILIZED WITH TOPSOIL, SEED AND TURF REINFORCEMENT MAT AS INDICATED ON THE PLANS.
- NATURAL RESOURCE CONSERVATION SERVICE (NRCS) AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARDS PRESENTED ON THE CONTRACT DRAWINGS ARE TO BE CONSIDERED A MINIMUM.
- ANY EROSION AND/OR SEDIMENTATION CONTROL DEVICES DISRUPTED, THAT BELONG TO ANY CONCURRENT CONSTRUCTION CONTRACTS, SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TEMPORARY DRAINAGE DURING THE PROJECT. DAMAGE TO THE SUBGRADE, EXISTING FACILITIES AND/OR CONSTRUCTED WORK WILL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER AT NO ADDITIONAL COST.
- TEMPORARY AND/OR PERMANENT SOIL STABILIZATION (VEGETATION OR HARDSCAPE) SHALL BE APPLIED TO EXPOSED AREAS AS SOON AS POSSIBLE. AS A MINIMUM, SOIL STABILIZATION SHALL BE PROVIDED WITHIN FOURTEEN (14) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE AND WITHIN FOURTEEN (14) DAYS TO EXPOSED AREAS WHICH MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN TWENTY-ONE (21) DAYS.

**MAINTENANCE FOR SOIL EROSION CONTROL MEASURES**

- INSPECTIONS SHALL BE PERFORMED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.
- VEGETATIVE GROWTH OF TEMPORARY OR PERMANENT SEEDING, SODDING AND VEGETATED CHANNELS SHALL BE MAINTAINED ON A CONTINUAL BASIS WITH ADEQUATE WATER AND FERTILIZER.
- THE VEGETATIVE COVER SHALL BE REMOVED AND RE-SEEDED/REPLACED AS NECESSARY UNTIL GERMINATION OR UNTIL BARE EARTH AREAS SUPPORT VEGETATION.
- PERIMETER EROSION BARRIER SHALL BE INSPECTED PERIODICALLY AND REPAIRED AS NEEDED.
- INLET PROTECTION, PERIMETER EROSION BARRIER AND DITCH CHECKS SHALL HAVE SEDIMENT REMOVED UPON REACHING HALF THE HEIGHT OR CAPACITY OF THE DEVICE.
- ANY PROTECTIVE MEASURES INSTALLED FOR PROTECTION OF TREES, WHICH IS DAMAGED OR REMOVED, WILL BE REPAIRED IMMEDIATELY.

**SUGGESTED SOIL EROSION AND SEDIMENTATION CONTROL AND SEQUENCING**

**PRE-STAGE**

- INSTALL PERIMETER EROSION CONTROL BARRIER THROUGHOUT ENTIRE LENGTH OF PROJECT LIMITS.
- BEGIN CLEARING OPERATIONS AFTER INSTALLATION OF PERIMETER EROSION BARRIER FOR CURRENT APPLICABLE PHASE.
- PROVIDE TEMPORARY STABILIZATION THROUGH USE OF TEMPORARY EROSION CONTROL SEEDING ON ALL SIDE SLOPES AT TEMPORARY WIDENING LOCATIONS.
- INSTALL INLET FILTERS IN EXISTING STRUCTURES THAT ARE TO BE MAINTAINED DURING CONSTRUCTION.

**STAGE 1**

- INSTALL STORM SEWER AND ASSOCIATED STAGE I DRAINAGE STRUCTURES.
- INSTALL INLET FILTERS IN STRUCTURES ALONG NEW PAVEMENT AND EMBANKMENT AS SHOWN ON THE PLANS.
- PROVIDE TEMPORARY STABILIZATION THROUGH USE OF TEMPORARY EROSION CONTROL SEEDING ON ALL SIDE SLOPES AS SHOWN ON PLANS AND AT THE LOCATIONS FOR TEMPORARY WIDENING.
- INSTALL TEMPORARY DITCH CHECKS ALONG THE ASSOCIATED DITCHLINE AS SHOWN ON THE PLANS.
- PROVIDE INLET FILTER CLEANING AFTER SIGNIFICANT RAIN EVENTS AND AS DIRECTED BY THE ENGINEER.
- REMOVE TEMPORARY EROSION CONTROL ITEMS AS NECESSARY AFTER PERMANENT VEGETATION OF SIDE SLOPES AND DITCHES HAS BEEN ESTABLISHED.
- APPLY PERMANENT SEEDING OR SODDING AS INDICATED ON THE PLANS TO AREAS DISTURBED DURING REMOVAL.

**STAGE 2**

- INSTALL STORM SEWER AND ASSOCIATED STAGE 2 DRAINAGE STRUCTURES.
- INSTALL INLET FILTERS IN STRUCTURES ALONG NEW PAVEMENT AND EMBANKMENT AS SHOWN ON THE PLANS.
- PROVIDE TEMPORARY STABILIZATION THROUGH USE OF TEMPORARY EROSION CONTROL SEEDING ON ALL SIDE SLOPES AS SHOWN ON PLANS AND AT THE LOCATIONS FOR TEMPORARY WIDENING.
- INSTALL TEMPORARY DITCH CHECKS ALONG THE ASSOCIATED DITCHLINE AS SHOWN ON THE PLANS.
- PROVIDE INLET FILTER CLEANING AFTER SIGNIFICANT RAIN EVENTS AND AS DIRECTED BY THE ENGINEER.
- REMOVE TEMPORARY EROSION CONTROL ITEMS AS NECESSARY AFTER PERMANENT VEGETATION OF SIDE SLOPES AND DITCHES HAS BEEN ESTABLISHED.
- APPLY PERMANENT SEEDING OR SODDING AS INDICATED ON THE PLANS TO AREAS DISTURBED DURING REMOVAL.

**STAGE 3**

- INSTALL MEDIAN STORM SEWER AND ASSOCIATED STAGE 3 DRAINAGE STRUCTURES.
- INSTALL INLET FILTERS IN STRUCTURES ALONG NEW PAVEMENT AND MEDIAN AS SHOWN ON THE PLANS.
- PROVIDE INLET FILTER CLEANING AFTER SIGNIFICANT RAIN EVENTS AND AS DIRECTED BY THE ENGINEER.
- APPLY PERMANENT SEEDING OR SODDING AS INDICATED ON THE PLANS TO AREAS DISTURBED DURING REMOVAL.

PLOT DATE = Friday, August 07, 2009  
 FILE NAME = S:\11-CADD\01-mh\109\_ero.ctb  
 PLOT SCALE = 1/8"=1'-0"  
 USER NAME = jbs



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**ILLINOIS ROUTE 47**  
**EROSION CONTROL GENERAL NOTES**  
**SHEET 1 OF 1**

SCALE: VERT. NO SCALE  
 HORIZ.  
 DATE: 8/5/2009  
 DRAWN BY: E.D.  
 CHECKED BY: C.Z.