F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9024	05-00187-01-RP	MADISON	79	42
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 97298

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER). PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

(A.) WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION

(B.) EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.

(C.) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:

I. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.

II. TEMPORARILY SEED ERODABLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONTRACT LIMITS.

III. CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.

IV. TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATION.

V. BUILD NECESSARY EMBANKMENT AT PROPOSED LOCATIONS.

VI. CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME PLACING PERMANENT CONTROL SUCH AS RIPRAP DITCH LINING AND CONDUCTING FINAL SHAPING TO THE SLOPES.

(D.) EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.

(E.) 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.

(F.) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF ½INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL BE ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

(G.) SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON 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.

(H.) 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 TEMPORARY EROSION CONTROL SYSTEM.

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 SYSTEM AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF AREAS RESEEDED.

MAINTENANCE AFTER CONSTRUCTION:

1. CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY I.D.O.T. FINAL INSPECTION. MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR.

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER. MAINTENANCE AND CLEANING OF THE EROSION CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE EROSION CONTROL PAY ITEM.

MISCELLANEOUS:

1. RECOMMENDED SPACING OF DITCH CHECK MATERIALS BASED UPON THE PERCENT OF SLOPE ACCORDING TO THE FOLLOWING TABLE:

DITCH CHECK SPACING

% SLOPE	(D) HT. AT CENTER/ OVERFLOW PT. OF DITCH CHECK	(X) SPACING OF DITCH CHECK IN FEET
8%	12"	13
	18"	20
	24"	26
7%	12"	14
	18"	21
	24"	28
6%	12"	17
	18"	26
	24"	34
5%	12"	20
	18"	30
	24"	40
4%	12"	25
	18"	38
	24"	50
3%	12"	33
	18"	50
	24"	66
2%	12"	50
	18"	75
	24"	100
1% & BELOW	12"	100
	18"	150
	24"	200

2. CONSTRUCT PERIMETER EROSION CONTROL AT THE BEGINNING OF CONSTRUCTION. REMOVE ALL TEMPORARY CONTROL AT THE END OF CONSTRUCTION.

3. TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 1.5 FOOT OF FALL/RISE IN THE DITCH GRADE.

4. TEMPORARY DITCH CHECKS, AGGREGATE USES GRADING NO. 3. REMOVE AT THE END OF CONSTRUCTION.

5. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT THE RATE OF 100 LBS. PER ACRE.

6. MULCH AS APPLIED TO TEMPORARY EROSION CONTROL SEEDING SHALL BE THE METHOD SPECIFIED IN THE CONTRACT AND AT THE DIRECTION OF THE ENGINEER. MULCH WILL BE PAID SEPARATELY AND SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS.

7. ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED WITH CLASS 1 SEEDING, MULCH, AND NECESSARY NUTRIENTS AS DIRECTED BY THE ENGINEER. SEEDING AND NUTRIENTS SHALL CONFORM TO SECTION 250 AND MULCH SHALL CONFORM TO SECTION 251 USING METHOD 2. THIS WORK WILL BE PAID FOR AS "SEEDING, CLASS 1", WHICH WILL INCLUDE MULCH AND NUTRIENTS.

8. TEMPORARY SEEDING AND/OR TEMPORARY MULCH SHALL BE COMPLETED ON A WEEKLY BASIS ON EXPOSED GROUND AND SHALL BE DONE ACCORDING TO SECTION 280 OF THE STANDARD SPECIFICATIONS. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS PER ACRE. THIS WORK WILL BE PAID FOR AS "TEMPORARY EROSION CONTROL SEEDING". TEMPORARY EROSION CONTROL MULCH SHALL BE DONE ACCORDING TO SECTION 280 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL BE PAID AS "TEMPORARY EROSION CONTROL SEEDING". TEMPORARY EROSION CONTROL MULCH SHALL BE DONE ACCORDING TO SECTION 280 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL BE INCLUDED IN THE COST OF "TEMPORARY EROSION CONTROL SEEDING".

9. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER, AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE CHOSEN FROM THE DEPARTMENT'S APPROVED PRODUCTS LIST. THE ONLY PRODUCTS APPROVED ARE ENVIROBERM, TRIANGULAR SILT DIKE, GEORIDGE, AND ROLLED EXCELSIOR. ROLLED EXCELSIOR MUST COMPLY WITH THE SPECIFICATIONS OUTLINED IN THE IDOT, BUREAU OF DESIGN AND ENVIRONMENT MANUAL (BDE). AGGREGATE DITCH CHECKS CAN BE USED WHERE SPECIFIED.

10. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLANS. PRIOR TO THE APPROVAL AND THE 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 THE CONSTRUCTION INSPECTION.

11. THE QUANTITIES AND SPACING SHOWN IN PLANS WERE BASED ON AN ASSUMED VALUE OF D=2'. QUANTITIES AND SPACING MAY CHANGE DEPENDING ON ACTUAL D. USE FORMULA BELOW TO DETERMINE SPACING OF QUANTITIES. X=D/% SLOPE

12. FOR DITCH SLOPES >8% USE AGGREGATE DITCH CHECKS.

LEGEND

INLET AND PIPE PROTECTION-STRAW BALES, FILTER FABRIC, AGGREGATES

TEMPORARY DITCH CHECKS

PERIMETER EROSION BARRIER-SILT FILTER FENCE OR OTHER APPROVED BY THE ENGINEER

EROSION CONTROL BLANKET

RIPRAP

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
TEMPLATE		
AREAS		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
TEMPLATE		
AREAS		
AREAS CHECKED		
NO.		

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REVISIONS			
NO.	DATE	BY	REMARKS

DWG. NO.

EROSION AND SEDIMENT CONTROL
F.A.U. ROUTE 9024
STRATFORD LANE
GRANITE CITY, ILLINOIS
SECTION No. 05-00187-01-RP

SCALE: 1 Inch = 20 feet

DSN. BY:	BFK	DATE:	1/12/07	SHEET
DWN. BY:	JJB	DATE:	1/12/07	42
CHK'D:	BFK	DATE:	1/12/07	
JOB NO.	E050210	DGN. NAME:	ECNOTES2	OF 79 SHTS