

EROSION CONTROL GENERAL NOTES

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 WILL 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 WHICH WILL BECOME PERMANENT VEGETATION AND ACT AS AN EROSION BARRIER. WORK AT THE BEGINNING OF THE CONSTRUCTION WILL CONSIST OF THE FOLLOWING:
 - (a) AREAS OF EXISTING VEGETATION (WOODS AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION SLOPE LIMITS SHALL BE IDENTIFIED FOR PRESERVING AND SHALL BE PROTECTED FROM MOWING, BRUSH CUTTING, TREE REMOVAL AND OTHER ACTIVITIES WHICH WOULD BE DETRIMENTAL TO THEIR MAINTENANCE AND DEVELOPEMENT.
 - (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 (SUCH AS TREES CLEARED) TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, AGGREGATE DITCH CHECKS AND/OR EROSION CONTROL FENCE SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND 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 THE CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN FOURTEEN DAYS.
 - (e) IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED IN CERTAIN AREAS WHICH ARE IN HIGHLY ERODABLE AREAS AS DETERMINED BY THE ENGINEER, THE AREAS SHALL BE TEMPORARILY SEEDED WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN FOURTEEN DAYS.
 - (f) AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), AGGREGATE DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE OF RIGHT-OF-WAY LINE.

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 STAGING (EXCEPT AS DESIGNATED ON THE PLANS OR DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
 - (a) WITHIN THE CONSTRUCTION ZONE, CRITICAL AREAS WHICH HAVE HIGH FLOWS OF WATER 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 THE CONTRACTOR CONSTRUCTS A PORTION OF ROADWAY IN A FILL SECTION, HE/SHE SHALL FOLLOW THE FOLLOWING STEPS AS DIRECTED BY THE ENGINEER:
 - I. PLACE TEMPORARY EROSION CONTROL SYSTEMS AT LOCATIONS WHERE WATER LEAVES AND RETURNS FROM CONSTRUCTION ZONE.
 - II. TEMPORARILY SEED HIGHLY ERODABLE AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS.
 - III. CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
 - IV. TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.
 - V. BUILD NECESSARY EMBANKMENTS AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT.
 - VI. 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.
 - (d) EXCAVATED AREAS AND EMBANKMENTS SHALL BE PERMANENTLY SEEDED WHEN FINAL GRADED. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR FOURTEEN DAYS.
 - (e) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUN-OFF IN COMPLIANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT 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 LARGE RAINS DURING THE WINTER SHUT-DOWN PERIOD. THE PROJECT SHALL 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 BY THE VARIOUS EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS (OR WHEN 50 PERCENT FULL) AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
 - (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 THE TEMPORARY EROSION CONTROL SYSTEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DESCRIPTION OF STABILIZATION 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 SEEDED AND ESTABLISHED WITH PROPER STAND.
2. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONING AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDDED.

TEMPORARY DITCH CHECK			
STA.	QUANTITY (EACH)		
	LT	RT	
MAINLINE			
150+00.00		1	
150+25.00		1	
150+38.00		1	
150+50.00		1	
150+60.00	1		
150+75.00		1	
150+80.00	1		
151+00.00	1	1	
151+35.00		1	
151+40.00	1		
151+80.00	1		
152+05.00		1	
152+40.00		1	
152+75.00		1	
153+10.00		1	
153+15.00	1		
153+45.00		1	
153+50.00	1		
153+80.00		1	
153+85.00	1		
154+15.00		1	
154+20.00	1		
154+50.00		1	
154+55.00	1		
154+85.00		1	
154+90.00	1		
155+10.00		1	
155+20.00		1	
155+30.00	1		
155+50.00	1		
155+55.00		1	
155+70.00	1		
155+90.00	1	1	
156+25.00		1	
156+30.00	1		
156+60.00		1	
156+95.00		1	
157+10.00	1		
157+50.00	1		
157+90.00	1		
173+00.00	1		
175+90.00	1		
176+40.00	1		
176+90.00	1		
180+75.00	1		
181+05.00		1	
181+20.00	1		
181+60.00	1		
182+00.00	1		
198+50.00		1	
198+75.00		1	
203+80.00	1		
204+15.00	1		
215+60.00	1		
215+95.00	1		
238+10.00		1	
238+25.00		1	
238+50.00	1		
238+75.00	1	1	
238+90.00	1		
239+00.00	1		
268+20.00	1		
268+60.00	1	1	
268+70.00	1		
269+00.00	1		
269+20.00	1	1	
269+50.00	1		
287+20.00	1		
287+60.00	1		
315+45.00		1	
315+75.00	1		
315+85.00		1	
329+20.00		1	
329+60.00	1		
329+95.00	1		
357+70.00	1		
358+00.00	1		
372+05.00		1	
372+35.00		1	
372+85.00		1	
372+90.00	1		
373+25.00	1		
373+60.00	1		
373+95.00	1		
374+00.00		1	
509+80.00		1	
1525TH			
5+37.00		1	
5+57.00	1	1	
5+77.00	1	1	
5+97.00	1	1	
6+17.00	1	1	
SUB-TOTAL	54	46	
TOTAL	100		

INLET AND PIPE PROTECTION	
LOCATION	QUANTITY (EACH)
MAINLINE	
17' LT 147+64.20	1
17' RT 147+64.20	1
45' LT 150+50.00	1
35' RT 151+95.00	1
30' RT 162+82.39	1
29' RT 173+09.84	1
29' RT 173+79.61	1
61' LT 174+03.33	1
64' LT 174+81.81	1
74' RT 174+98.00	1
44' LT 178+03.29	1
62' RT 180+80.00	1
38' LT 181+84.63	1
34' LT 198+62.63	1
27' LT 203+98.97	1
28' LT 215+77.29	1
37' LT 221+52.00	1
32' RT 221+74.03	1
34' LT 238+42.77	1
39' LT 248+08.00	1
32' LT 268+85.25	2
29' RT 274+72.57	1
30' LT 287+41.18	1
35' RT 288+10.00	1
33' RT 300+60.00	1
62' LT 313+50.00	1
43' RT 313+75.00	1
52' LT 315+00.88	1
45' RT 334+74.87	1
30' LT 357+63.00	1
50' LT 372+88.00	1
40' RT 373+60.00	1
35' LT 391+26.76	1
34' LT 492+75.11	1
29' LT 544+31.64	1
14' LT 608+42.00	1
14' RT 608+42.00	1
32' LT 609+33.42	1
23' LT 610+89.00	1
14' RT 610+89.00	1
14' LT 610+89.00	1
14' LT 613+02.00	1
14' RT 613+02.00	1
26' LT 613+02.00	1
14' LT 615+40.00	1
14' RT 615+40.00	1
23' LT 615+40.00	1
21' LT 616+93.39	1
36' LT 616+93.39	1
14' RT 616+93.39	1
31' LT 645+40.00	1
33' RT 655+00.00	1
98' RT 683+60.26	1
27' LT 688+92.98	1
50' RT 689+10.00	1
TRIOS	
20' LT 110+00.24	1
2100TH STREET	
22' RT 87+14.00	1
TOTAL	58

PERIMETER EROSION BARRIER (SILT FENCE)			
STA.	LENGTH (FEET)		
	LT	RT	
MAINLINE			
147+60.00	200	200	
154+00.00	10		
175+00.00		300	
203+90.00		10	
204+09.00		10	
215+66.00		10	
215+87.00		10	
238+38.00		10	
238+58.00		10	
259+37.00	10		
268+34.00		10	
269+57.00		10	
274+90.00	10		
287+29.00		10	
313+30.00	10		
313+55.00		10	
315+25.00		10	
315+72.00		20	
357+60.00		10	
357+98.00		10	
372+52.00		10	
391+00.00		10	
391+50.00		10	
423+00.00	10		
424+35.00	10		
492+60.00		10	
492+90.00		10	
509+45.00	10		
509+65.00	20		
509+90.00	10		
554+71.00		10	
608+31.00	10		
644+26.00	10		
682+60.00	10		
682+85.00		10	
682+93.00	10		
683+38.00		10	
2100TH			
84+28.00	10	10	
SUB-TOTAL	350	760	
TOTAL	1110		

EARTH EXCAVATION FOR EROSION CONTROL (SEDIMENT BASINS, 2.0' AVG. DEPTH)			
STA.	LENGTH X WIDTH (FT)		QUANTITY (CU YD)
	LT	RT	
MAINLINE			
162+82.49	30x8	-	20
181+47.94	-	20x8	15
198+63.78	-	20x8	15
391+27.00	20x8	-	15
509+65.00	-	20x20	30
544+04.82	-	20x8	15
609+48.96	-	20x8	15
617+00.00	-	20x8	15
TOTAL			140

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	(6,7)Y, RS-1, 6B-1, 7B-1 & 7BR-2	EFFINGHAM	409	106
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 94356				

FOR PERMANENT DITCH RIPRAP SCHEDULE AND DETAILS, SEE SHEET 16

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**EROSION CONTROL PLAN
 GENERAL NOTES & SCHEDULE
 SHEET 1 OF 24**

DRAWN BY MLO
 CHECKED BY TCG

DATE 11/01

Revised 5/2/07