

FAI ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	MADISON	420	95
STA.		TO STA.		
CONTRACT NO.: 76709				
* 60-10K-1, 60-10HB				

**STORM WATER POLLUTION PREVENTION**

LOCATION	TEMPORARY DITCH CHECK (EACH)	INLET AND PIPE PROTECTION (EACH)	PERIMETER EROSION BARRIER (FOOT)
IL ROUTE 162	18	22	1292
EAST FRONTAGE ROAD	12	13	1903
WEST FRONTAGE ROAD	8	18	862
RAMP A	11	7	201
RAMP B	12	3	0
RAMP C	6	2	0
RAMP D	11	6	0
I-55/70	3	8	0
<b>TOTAL=</b>	<b>81</b>	<b>79</b>	<b>4,258</b>

**DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:**

- 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.
  - 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.
  - EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.
  - AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
    - PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
    - TEMPORARILY SEED ERODIBLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
    - CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
    - TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.
    - BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS, THEN EXCAVATE AND PLACE CULVERT.
    - 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.
  - 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.
  - 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.
  - THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN 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.
  - 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.
  - 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:**

- 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.
- ONCE PERMANENT EROSION CONTROL SYSTEMS, AS PROPOSED IN THE PLANS, ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDED.

**MAINTENANCE AFTER CONSTRUCTION:**

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

**MISCELLANEOUS:**

- TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 1 FT. FALL/RISE IN DITCH GRADE.
- TEMPORARY DITCH CHECKS, AGGREGATE USES GRADING NO. 3 - REMOVE AT END OF CONSTRUCTION.
- TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRES. TEMPORARY EROSION CONTROL SEEDING AND MULCH SHALL BE COMPLETED ON A WEEKLY BASIS OF ALL EXPOSED GROUND AND SHALL BE IN ACCORDANCE TO SECTION 280 OF THE STANDARD SPECIFICATIONS.
- MULCH METHOD 1, AS APPLIED TO TEMPORARY SEEDING, SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS. MULCH WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE PRICE FOR TEMPORARY EROSION CONTROL SEEDING.
- CONSTRUCT PERIMETER EROSION CONTROL AT BEGINNING OF CONSTRUCTION. REMOVE AT END OF CONSTRUCTION.
- 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.
- STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE, SILT PANELS, ROLLED EXCELSIOR, SILT WEDGES OR ANY OTHER MATERIAL APPROVED BY THE ENGINEER.

**TEMPORARY DITCH CHECKS**

LOCATION	EACH
STAGE 1	
IL ROUTE 162 (RT)	6
EAST FRONTAGE ROAD	5
WEST FRONTAGE ROAD	5
STAGE 2	
IL ROUTE 162 (LT)	2
TEMP RAMP A	4
TEMP RAMP B	2
STAGE 3	
TEMP RAMP C	3
TEMP RAMP D	6

TEMPORARY DITCH CHECKS,  
TOTAL= 33  
EACH

**INLET AND PIPE PROTECTION**

LOCATION	EACH
STAGE 1	
TEMP NW FRONTAGE ROAD	2
TEMP NE FRONTAGE ROAD	5
TEMP SE FRONTAGE ROAD	1
STAGE 2	
TEMP NW FRONTAGE ROAD	1
TEMP SE FRONTAGE ROAD	1
TEMP RAMP A	3
TEMP RAMP B	1

INLET AND PIPE PROTECTION,  
TOTAL= 14  
EACH

**EROSION CONTROL BLANKET**

LOCATION	AREA (SQ. YD.)
STAGE 1	
TEMP SW FRONTAGE ROAD	437
STAGE 2	
TEMP SW FRONTAGE ROAD	383

EROSION CONTROL BLANKET,  
TOTAL= 820  
SQ. YD.

**TEMPORARY EROSION CONTROL SEEDING**

LOCATION	TEMPORARY EROSION CONTROL SEEDING (POUND)
IL ROUTE 162	
474+36.60 TO 485+71.84 LT	128
474+36.60 TO 485+40.09 RT	129
485+46.33 TO 486+03.03 RT	4
486+01.98 TO 486+82.50 LT	6
486+04.66 TO 486+86.89 RT	6
487+17.50 TO 491+00.65 LT	33
487+22.93 TO 491+16.43 RT	36
491+74.32 TO 497+07.85 LT	92
492+09.67 TO 496+93.22 RT	95
502+39.69 TO 506+65.71 RT	70
501+93.01 TO 506+43.71 RT	79
496+81.3 TO 498+49.7 RT	18
497+27.6 TO 498+78.9 LT	27
500+17.6 TO 501+60.1 RT	26
500+45.4 TO 502+23.1 LT	19
WEST FRONTAGE ROAD	
22+15.97 (RAMP D) TO 12+00.00 RT	80
17+30.24 (RAMP D) TO 17+90.20 RT	81
10+00.25 TO 11+49.27 LT	5
11+62.30 TO 12+62.34 LT	3
12+73.43 TO 14+17.38 LT	10
14+49.85 TO 18+07.13 LT	29
18+36.98 TO 18+95.26 LT	4
20+49.08 TO 22+58.41 LT	14
22+93.41 TO 23+63.66 LT	6
23+98.92 TO 26+50.82 LT	22
24+70.83 TO 26+20.25 RT	18
26+51.60 TO 27+43.14 RT	3
26+80.29 TO 29+00.00 LT	11
27+61.49 TO 27+72.30 RT	0.3
28+00.39 TO 29+00.00 RT	5
EAST FRONTAGE ROAD	
11+71.69 TO 20+96.81 LT	53
11+72.59 TO 31+56.34 RT	134
20+96.81 TO 33+87.09 LT	64
31+87.50 TO 33+23.08 RT	15
33+49.78 TO 34+81.65 RT	26
35+48.48 TO 36+74.42 RT	21
36+25.36 TO 43+98.82 LT	49
37+13.54 TO 40+67.84 RT	23
41+04.49 TO 50+90.42 RT	54
43+98.82 TO 52+57.24 LT	39
51+24.79 TO 53+34.31 RT	11
RAMP A	
20+52.15 TO 26+03.43 RT	234
22+50.00 RT TO 1325+64.95 (I-55)	287
1325+64.99 (I-55) TO 25+69.64 RT	176
15+37.73 TO 24+93.28 LT	99
RAMP B	
11+41.81 TO 17+60.03 RT	225
10+90.43 TO 20+69.54 LT	99
10+96.70 TO 33+88.14 RT	114
RAMP C	
17+36.62 TO 30+03.97 RT	306
10+00.62 TO 17+36.35 RT	20
16+59.68 TO 27+17.60 LT	99
17+36.35 TO 27+85.66 RT	88
RAMP D	
10+57.06 TO 14+21.07 RT	108
10+91.10 TO 19+95.66 LT	93
11+14.73 TO 33+08.97 RT	123
SEEDING, TOTAL=	3625
	POUND

TEMPORARY EROSION CONTROL SEEDING IS APPLIED AT RATE OF 100 LB/ACRE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**STORM WATER POLLUTION PREVENTION PLAN - 2**  
 FAI ROUTE 70  
 SECTION 60-10K-1, 60-10HB  
 MADISON COUNTY

DRAWN BY: \_\_\_\_\_  
 PLOT DATE: \*DATE-TIME\*

DATE	
BY	
PLAN	
NO.	
NO. OF SHEETS	
NO. OF SHEETS CHECKED	
DATE CHECKED	
CADD FILE NAME	