NPDES PERMITS ASSOCIATED WITH THIS PROJECT:

TI II R10

☑ ILR40 PERMIT NO. 0493

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM. OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO TH BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

( Trami MARY C. LAMIE DEPUTY DIRECTOR OF HIGHWAYS REGION FIVE ENGINEER DATE

IL DEPT. OF TRANSPORTATION AGENCY

I. SITE DESCRIPTION:

A. THE FOLLOWING IS A DESCRIPTION OF THE PROJECT LOCATION:

THE PROJECT CONSISTS OF THE PROPOSED IMPROVEMENTS OF 6.41 MILES OF I-270 BETWEEN THE MISSISSIPPI RIVER BRIDGE AND I-55/70/270.

B. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

CONSTRUCTION WILL INCLUDE THE PLACEMENT OF A HOT-MIX ASPHALT SHOULDER, HIGH TENSION CABLE MEDIAN BARRIER, TEMPORARY CONCRETE BARRIER REMOVAL AND IMPACT ATTENUATOR REMOVAL.

C. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

- 1. EXCAVATION FOR HOT-MIX ASPHALT SHOULDER INSTALLATION AND INSTALLATION OF HIGH TENSION CABLE MEDIAN BARRIER.
- D. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 9.15 ACRES.

THE TOTAL AREA OF THE SITE THAT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER

- E. THE FOLLOWING IS A WEIGHTED AVERAGE OF THE RUNOFF COEFFICIENT FOR THIS PROJECT AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED: 0.47
- F. THE FOLLOWING IS A DESCRIPTION OF THE SOIL TYPES FOUND AT THE PROJECT SITE FOLLOWED BY INFORMATION

FIVE SOIL TYPES ARE LOCATED WITHIN THE PROJECT AREA FROM THE MISSISSIPPI RIVER BRIDGE TO CHAIN OF ROCKS CANAL (STA, 156+52 - STA, 191+69). THESE ARE:

ORTHENTS, LOAMY, HILLY (802D) - A WELL-DRAINED SOIL WITH MODERATELY SLOW PERMEABILITY. THIS SOIL HAS OCCASIONAL FLOODING WITH SLOPES OVER 8 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A MODERATE SUSCEPTIBILITY TO WIND EROSION.

ROCHER LOAM (3038B) - A SOMEWHAT EXCESSIVELY DRAINED SOIL WITH VERY SLOW TO MODERATELY SLOW PERMEABILITY. THIS SOIL FREQUENTLY FLOODS WITH SLOPES BETWEEN 2 AND 5 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A MODERATE SUSCEPTIBILITY TO WIND EROSION.

BEAUCOUP SILTY CLAY LOAM (3070L) - A POORLY DRAINED SOIL WITH SLOW TO MODERATELY SLOW PERMEABILITY. HIS SOIL FREQUENTLY FLOODS WITH SLOPES BETWEEN O AND 2 PERCENT. THIS SOIL HAS A MODERATE SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND EROSION.

DARWIN SILTY CLAY (3071L) - A POORLY DRAINED SOIL WITH SLOW PERMEABILITY. THIS SOIL FREQUENTLY FLOODS WITH SLOPES BETWEEN 0 AND 2 PERCENT. THIS SOIL HAS A MODERATE SUSCEPTIBILITY TO BOTH WATER AND WIND EROSION.

NAMERIKI STITY CLAY LOAM (3592A) - A SOMEWHAT POORLY DRIANED SOIL WITH VERY SLOW TO MODERATELY RAPID PERMEABILITY. THIS SOIL FREQUENTLY FLOODS WITH SLOPES BETWEEN 0 AND 2 PERCENT. THIS SOIL HAS A MODERATE SUSCEPTIBILITY TO BOTH WATER AND WIND EROSION.

THREE SOIL TYPES ARE LOCATED WITHIN THE PROJECT AREA FROM IL 203 TO IL 111 (STA. 337+72 - STA. 399+97).

ORTHENTS, LOAMY, HILLY (802D) - A WELL DRAINED SOIL WITH MODERATELY SLOW PERMEABILITY. THIS SOIL OCCASIONALLY FLOODS WITH SLOPES OVER 8 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A MODERATE

ORTHENTS, SILTY, HILLY (301D) - A SOMEWHAT POORLY DARINED SOIL WITH MODERATELY SLOW TO MODERATE PERMEABILITY. THIS SOIL DOES NOT FLOOD WITH SLOPES OVER 8 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND EROSION.

DARWIN SILTY CLAY (8071L) - A POORLY DRAINED SOIL WITH VERY SLOW TO MODERATE PERMEABILITY. THIS SOIL OCCASIONALLY FLOODS WITH SLOPES BETWEEN 0 AND 2 PERCENT. THIS SOIL HAS A MODERATE SUSCEPTIBILITY TO BOTH WATER AND WIND FROSION.

TWENTY SOIL TYPES ARE LOCATED WITHIN THE PROJECT AREA FROM IL 157 TO I-55/70 (STA. 613+09 -STA. 858+72). THESE ARE:

MENFRO SILT LOAM (79B) - A WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL DOES NOT FLOOD WITH SLOPES BETWEEN 2 AND 5 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND EROSION.

MENFRO SILT LOAM, ERODED (79C2) - A WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL DOES NOT FLOOD WITH SLOPES BETWEEN 5 AND 10 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND EROSION.

MENFRO SILT LOAM, EROSED (79D2) - A WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL DOES NOT FLOOD WITH SLOPES BETWEEN 10 AND 18 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND EROSION.

MENERO SILTY CLAY LOAM, SEVERELY EROSED (79D3) - A WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL DOES NOT FLOOD WITH SLOPES BETWEEN 10 AND 18 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER FROSION AND A LOW SUSCEPTIBILITY TO WIND FROSION.

MENFRO SILT LOAM (79F) - A WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL DOES NOT FLOOD WITH SLOPES BETWEEN 18 AND 35 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND EROSION.

CASEYVILLE SILT LOAM (267A) - A SOMEWHAT POORLY DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL DOES NOT FLOOD WITH SLOPES BETWEEN O AND 2 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND EROSION.

DOWNSOLTH SLLT LOAM (2838) - A MODERATELY WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL DOES NOT FLOOD WITH SLOPES BETWEEN 2 AND 5 PERCENT. THIS SOIL HAS HIGH SUSCEPTIBILITY TO WATER EROSION AND LOW SUSCEPTIBILITY TO WIND EROSION.

EDWARDSVILLE SILT LOAM (384A) - A SOMEWHAT POORLY DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOUL DOES NOT FLOOD WITH SLOPES BETWEEN O AND 2 PERCENT. THIS SOIL HAS MODERATE SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND EROSION

MASCOUTAH SILTY CLAY LOAM (385A) - A POORLY DRAINED SOIL WITH MODERATE PERMEABILITY THIS SOIL DOES NOT FLOOD WITH SLOPES BETWEEN O AND 2 PERCENT. THIS SOIL HAS MODERATE SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND EROSION.

WINEIELD SILT LOAM (4778) - A MODERATELY WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL DOES NOT FLOOD WITH SLOPES BETWEEN 2 AND 5 PERCENT. THIS SOIL HAS HIGH SUSCEPTIBILITY TO WATER EROSION AND LOW SUSCEPTIBILITY TO WIND EROSION.

WINFIELD SILTY CLAY LOAM, SEVERELY ERODED (477B3) - A MODERATELY WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL DOES NOT FLOOD WITH SLOPES BETWEEN 2 AND 5 PERCENT. THIS SOIL HAS HIGH SUSCEPTIBILITY TO WATER EROSION AND LOW SUSCEPTIBILITY TO WIND EROSION.

WINFIELD SILTY CLAY LOAM, SEVERELY ERODED (477C3) - A MODERATELY WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL DOES NOT FLOOD WITH SLOPES BETWEEN 5 AND 10 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND

NAVLYS SILTY CLAY LOAM, SEVERELY ERODED (630D3) - A WELL DRAINED SOIL WITH MODERATE PERMEARILITY THIS SOIL DOES NOT FLOOD WITH SLOPES BETWEEN 10 AND 18 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND EROSION,.

ORTHENTS, SILTY, HILLY (801D) - A SOMEWHAT POORLY DRAINED SOIL WITH MODERATELY SLOW TO MODERATE PERMEABILITY. THIS SOIL DOES NOT FLOOD WITH SLOPES GREATER THAN 8 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A LOW SUSCEPTIBILITY TO WIND

SYLVAN-BOLD SILT LOAMS, ERODED (962D2) - A WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL DOES NOT FLOOD WITH SLOPES BETWEEN 10 AND 18 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A MODERATE SUSCEPTIBILITY TO WIND EROSION.

SYLVAN-BOLD STITLLOAMS, FRODED (962F2) - A WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL DOES NOT FLOOD WITH SLOPES BETWEEN 18 AND 35 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A MODERATE SUSCEPTIBILITY TO WIND EROSION.

WAKELAND SILT LOAM (3333A) - A SOMEWHAT POORLY DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL FREQUENTLY FLOODS WITH SLOPES BETWEEN 0 AND 2 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER FROSION AND A MODERATE SUSCEPTIBILITY TO WIND EROSION.

WILBUR SILT LOAM (3336A) - A MODERATELY WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL FREQUENTLY FLOODS WITH SLOPES BETWEEN O AND 2 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A MODERATE SUSCEPTIBILITY TO WIND EROSION.

ORION SILT LOAM (3415A) - A SOMEWHAT POORLY DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL FREQUENTLY FLOODS WITH SLOPES BETWEEN 0 AND 2 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A MODERATE SUSCEPTIBILITY TO WIND EROSION.

HAYMOND SILT LOAM (8331A) - A WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL OCCASIONALLY FLOODS WITH SLOPES BETWEEN 0 AND 2 PERCENT. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A MODERATE SUSCEPTIBILITY TO WIND EROSION.

G. THE FOLLOWING IS A DESCRIPTION OF POTENTIALLY EROSIVE AREAS ASSOCIATED WITH THIS PROJECT:

REFER TO THE DESCRIPTION OF SOIL TYPES SHOWN IN "F." UNDER THE SITE DESCRIPTION.

H. THE FOLLOWING IS A DESCRIPTION OF SOIL DISTURBING ACTIVITIES, THEIR LOCATIONS, AND THEIR EROSIVE FACTORS (E.G. STEEPNESS OF SLOPES, LENGTH OF SLOPES, ETC);

THE NATURE AND PURPOSE OF LAND DISTURBING ACTIVITIES ON THIS PROJECT IS TO EXCAVATE AND PLACE A 4 FOOT WIDE, 4" DEEP MOW STRIP ALONG THE EDGE OF SHOULDER, AT LOCATIONS SHOWN ON THE PLAN SHEETS. TO PLACE A HIGH TENSION CABLE MEDIAN BARRIER. EXCAVATED MATERIAL WILL BE USED TO MATCH THE EDGE OF THE MOW STRIP WITH THE EXISTING SLOPE.

- I. SEE THE EROSION CONTROL PLANS AND/OR DRAINAGE PLANS FOR THIS CONTRACT FOR INFORMATION REGARDING DRAINAGE PATTERNS, APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND CONTROLS TO PREVENT OFF SITE SEDIMENT TRACKING (TO BE ADDED AFTER CONTRACTOR IDENTIFIES LOCATIONS), AREAS OF SOIL DISTURBANCE, THE LOCATION OF MAJOR STRUCTURAL AND NON-STRUCTURAL CONTROLS IDENTIFIED IN THE PLAN. THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR. SURFACE WATERS (INCLUDING WETLANDS) AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO SURFACE WATER INCLUDING WETLANDS.
- J. THE FOLLOWING IS A LIST OF RECEIVING WATER(S) AND THE ULTIMATE RECEIVING WATER(S), AND AERIAL EXTENT OF WETLAND ACREAGE AT THE SITE. THE LOCATION OF THE RECEIVING WATERS CAN BE FOUND ON THE EROSION AND SEDIMENT CONTROL PLANS:

MISSISSIPPI RIVER CHAIN OF ROCKS CANAL

K. THE FOLLOWING POLLUTANTS OF CONCERN WILL BE ASSOCIATED WITH THIS CONSTRUCTION PROJECT: (CHECK ALL THAT APPLY)

D	SOIL SEDIMENT	$\boxtimes$	PETROLEUM (GAS, DIESEL, OIL, KEROSENE, HYDRAULIC OIL/FLUIDS)
Ε	] CONCRETE	$\boxtimes$	ANTIFREEZE / COOLANTS
[	] CONCRETE TRUCK WASTE	$\boxtimes$	WASTE WATER FROM CLEANING CONSTRUCTION EQUIPMENT
E	CONCRETE CURING COMPOUNDS		OTHER (SPECIFY)
D	SOLID WASTE DEBRIS		OTHER (SPECIFY)
	PAINTS		OTHER (SPECIFY)
Ε	SOLVENTS		OTHER (SPECIFY)
D	FERTILIZERS / PESTICIDES	П	OTHER (SPECIFY)

## II. CONTROLS

THIS SECTION OF THE PLAN ADDRESSES THE CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN I.C. ABOVE AND FOR ALL USE AREAS, BORROW SITES, AND WASTE SITES. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. THE CONTRACTOR SHALL PROVIDE TO THE RESIDENT ENGINEER A PLAN FOR THE IMPLEMENTATION OF THE MEASURES INDICATED. THE CONTRACTOR, AND SUBCONTRACTORS, WILL NOTIFY THE RESIDENT ENGINEER OF ANY PROPOSED CHANGES, MAINTENANCE, OR MODIFICATIONS TO KEEP CONSTRUCTION ACTIVITIES COMPLIANT WITH THE PERMIT. EACH SUCH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH WILL BE PROVIDED AT THE PRE-CONSTRUCTION CONFERENCE, AND ARE A PART OF, THIS PLAN:

A. FROSION AND SEDIMENT CONTROL

- 1. STABILIZED PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES. INCLUDING SITE SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SODDING, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES. EXCEPT AS PROVIDED BELOW IN II(A)(1)(a) AND II(A)(3), STABILIZATION MEASURES. SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARLY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASES ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF 21 OR MORE CALENDAR DAYS.
- d. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CRASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE THEREAFTER.

THE FOLLOWING STABILIZATION PRACTICES WILL BE USED FOR THIS PROJECT: (CHECK ALL THAT APPLY)

☐ PRESERVATION OF MATURE VEGETATION	☑ EROSION CONTROL BLANKET / MULCHING
□ VEGETATED BUFFER STRIPS	☐ SODDING
☐ PROTECTION OF TREES	□ GEOTEXTILES
□ TEMPORARY EROSION CONTROL SEEDING	OTHER (SPECIFY)
☐ TEMPORARY TURF (SEEDING, CLASS 7)	☐ OTHER (SPECIFY)
▼ TEMPORARY MULCHING	OTHER (SPECIFY)
☑ PERMANENT SEEDING	OTHER (SPECIFY)

BDE 2342 (REV. 06/07

ILLINOIS DEPARTMENT OF TRANSPORTATION STORM WATER POLLUTION PREVENTION PLAN

CONTRACT NO. 76B17 TOTAL SHEET SHEETS NO.

46 30

COUNTY

TO STA.

FED. ROAD DIST. NO. \_ ILLINOIS FED. AID PROJECT

MADISON

SECTION

270 60-(1,2,3,4,5)I

STA.

FAI RTE 270 SECTION 60-(1,2,3,4,5)I MADISON COUNTY

PLOT DATE: 12/12/2007

REVISIONS

DATE