THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILRIO, ISSUED BY THE ILLINDIS ENVIRONMENTAL PROTECTION AGENCY ON MAY 30, 2003 FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES. THIS PLAN HAS ALSO BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF NPDES PERMIT NUMBER ILR40 FOR DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS IF CHECKED BELOW.

NPDES PERMITS ASSOCIATED WITH THIS PROJECT:

☐ ILR10

☑ 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 CATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE 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 FIRE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

MARY C. LAMIE

PRINT NAME

DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

TITLE

MARY C. LAMIE

SIGNATURE

3-20-08

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 0.98 MILES OF 1-64 FROM 1-255 TO IL 157.
- 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 AND GUARDRAIL 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;

STAGE 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 1.43 ACRES.

THE TOTAL AREA OF THE SITE THAT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS 1.38 ACRES.

- 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 REGARDING THEIR EROSIVITY:

FOUR SOIL TYPES ARE LOCATED WITHIN THE PROJECT AREA FROM I-255 TO IL 157 (STA, 279+56 TO STA, 331+50). THESE ARE:

FLUYAQUENTS LOAMY (8646A) - A POORLY DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL HAS OCCASIONAL FLOODING WITH SLOPES AT O TO 2%. THIS SOIL HAS A MODERATE SUSCEPTIBILITY TO WATER EROSION AND A SLIGHT SUSCEPTIBILITY TO WIND EROSION.

DARWIN SILTY CLAY (807)L) - A POORLY DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL HAS OCCASIONAL FLOODING WITH SLOPES AT O TO 2%. THIS SOIL HAS A MODERATE SUSCEPTIBILITY TO WATER EROSION AND A SLIGHT SUSCEPTIBILITY TO WIND EROSION.

DUPO SILT LOAM (8180A) - A SOMEWHAT POORLY DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL HAS OCCASIONAL FLOODING WITH SLOPES AT O TO 2%. THIS SOIL HAS A MODERATE SUSCEPTIBILITY TO WATER EROSION AND A SLIGHT SUSCEPTIBILITY TO WIND EROSION.

ORTHENTS SILTY (8018) - A SOMEWHAT POORLY DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL HAS NO FLOODING WITH SLOPES AT 0 TO 5%. THIS SOIL HAS A HIGH SUSCEPTIBILITY TO WATER EROSION AND A SLIGHT 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.

REFER TO THE DESCRIPTION OF SOLE THIES SHOWN IN THE SITE DESCRIPTIONS

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 (INCLIDING WETLANDS) AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO SURFACE WATER INCLIDING 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:

HADDING DITCH

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

☑ SOIL SEDIMENT ☑ PETROLEUM (GAS, DIESEL, OIL. KEROSENE, HYDRAULIC OIL/FLUIDS) ☐ CONCRETE M ANTIFREEZE / COOLANTS CONCRETE TRUCK WASTE ■ WASTE WATER FROM CLEANING CONSTRUCTION EQUIPMENT ☐ CONCRETE CURING COMPOUNDS OTHER (SPECIFY)_____ OTHER (SPECIFY)_____ ☑ SOLID WASTE DEBRIS ☐ PAINTS OTHER (SPECIFY)_____ OTHER (SPECIFY)_____ □ SOLVENTS OTHER (SPECIFY)_____ ☑ FERTILIZERS / PESTICIDES

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 PLANS

- A. EROSION 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)(I/G) AND II(A)(3), STABILIZATION MEASURES SHALL BE INITIATED AS SOOM AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY 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 CEASED, BUT IN THAT PORTION 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 CEASES 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☐ VEGETATED BUFFER STRIPS☐ PROTECTION OF TREES

☐ PROTECTION OF TREES
☐ TEMPORARY EROSION CONTROL SEEDING
☐ TEMPORARY TURF (SEEDING, CLASS 7)
※ TEMPORARY MULCHING

M PERMANENT SEEDING

DESCRIBE HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED:

- 1. PERMANENT SEEDING SEEDING, CLASS 2A WILL BE INSTALLED PER IDOT SPECIFICATIONS.
- 2. MULCH MULCH WILL BE INSTALLED IN AREAS THAT HAVE BEEN BROUGHT TO FINAL GRADE AND SEEDED TO PROTECT SLOPES FROM EROSION AND ALLOW SEEDS TO GERMINATE. MULCH, METHOD 1 WILL BE APPLIED TO PROTECT THE DISTURBED AREAS AND PREVENT FURTHER EROSION.

MULCH AS APPLIED TO TEMPORARY EROSION CONTROL SHALL BE BY 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.

3. PERMANENT STABILIZATION - ALL AREAS DISTURBED BY CONSTRUCTION WILL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING THE FINISHED GRADING. MULCH WILL BE INSTALLED TO MINIMIZE EROSION AND ALLOW SEED TO GERMINATE PROPERLY. MULCH, METHOD 1 WILL BE USED.

2. STRUCTURAL PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE, SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: PERIMETER EROSION BARRIER, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, DITCH CHECKS, SUBSURFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, ROCK OUTLET PROTECTION, REINFORCED SOIL RETAINING SYSTEMS, GABIONS, AND TEMPORARY OR PERMANENT SEDIMENT BASINS. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

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

☐ PERIMETER EROSION BARRIER	ш	ROCK DUTLET PROTECTION
☑ TEMPORARY DITCH CHECK		RIPRAP
STORM DRAIN INLET PROTECTION		GABIONS
☐ SEDIMENT TRAP		SLOPE MATTRESS
☐ TEMPORARY PIPE SLOPE DRAIN		RETAINING WALLS
☐ TEMPORARY SEDIMENT BASIN		SLOPE WALLS
☐ TEMPORARY STREAM CROSSING		CONCRETE REVETMENT MATS
☐ STABILIZED CONSTRUCTION EXITS		LEVEL SPREADERS
☐ TURF REINFORCEMENT MATS		OTHER (SPECIFY)
☐ PERMANENT CHECK DAMS		OTHER (SPECIFY)
☐ PERMANENT SEDIMENT BASIN		OTHER (SPECIFY)
CL AGGREGATE DITCH	П	OTHER (SPECIEY)

DESCRIBE HOW THE STRUCTURAL PRACTICES LISTED ABOVE WILL BE UTILIZED:

IT PAVED DITCH

1. STORM DRAIN INLET PROTECTION - INLET AND PIPE PROTECTION WILL BE PROVIDED FOR STORM SEWERS AND CULVERTS. SEDIMENT FILTERS WILL BE PLACED IN ALL INLETS, CATCH BASINS AND MANHOLES DURING CONSTRUCTION AND WILL BE CLEANED ON A REGULAR BASIS.

☐ OTHER (SPECIFY)_____

AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, INLET AND PIPE PROTECTION SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

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.

TOTAL SHEE SHEETS NO. FILE NAME = DESIGNED -REVISED ---STATE OF ILLINOIS DRAWN REVISED SWPPP PLAN \projects\ed02908\plan\pln02908a.dc ST. CLAIR 16 11 ---**DEPARTMENT OF TRANSPORTATION** PLDT SCALE = 50.0000 ' / IN. CHECKED REVISED CONTRACT NO. 76B57 ---SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA. FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT PLOT DATE = 3/20/2008 DATE REVISED