THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILRIO, ISSUED BY THE ILLINOIS 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 PERMIT NO. (IF APPLICABLE): ILR40 PERMIT NO. (IF APPLICABLE): ILR400493

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 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 FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

MARY C. LAMIE
PRINT NAME
SIGNATURE

DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER
TITLE

DATE

ILLINOIS DEPARTMENT
OF TRANSPORTATION

I. SITE DESCRIPTION:

AGENCY

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

 THE PROJECT CONSISTS OF THE PROPOSED RELOCATION OF 0.35 MILES OF IL 3 AND SIDE STREETS IN THE CITY OF VENICE.
- B. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

CONSTRUCTION OF THE RELOCATION OF IL 3 THROUGH THE CITY OF VENICE WILL INCLUDE ROADWAY ON A NEW ALIGNMENT, REMOVAL OF EXISTING PAVEMENT AND APPURTANCES, EARTHWORK AND GRADING, DETENTION BASINS, STORM SEWER AND DRAINAGE STRUCTURES, COMBINATION CONCRETE CURB AND GUTTER, PAVEMENT MARKING, SIGNING AND OTHER MISCELLANEOUS WORK NECESSARY TO COMPLETE THE PROJECT.

- 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:
- STAGE 1A: CONSTRUCT THIRD STREET CUL-DE-SAC, EXTENSION OF HAMPDEN STREET TO BROADWAY, HAMPDEN STREET AND ALLEY CONNECTION, AND PORTION OF DETENTION POND EAST OF EXISTING IL 3.
- STAGE 1B: CONSTRUCT SOUTHBOUND RELOCATED IL 3 FROM STA. 778+50 TO 792+15 AND SECOND STREET.
- STAGE 1C: CONNECT EXISTING IL 3 TO SOUTHBOUND LANES OF RELOCATED IL 3 AT SOUTH END OF PROJECT AND CONSTRUCT TEMPORARY CONNECTOR FROM RELOCATED IL 3 TO FOURTH STREET.
- STAGE 2A: COMPLETE CONSTRUCTION OF THIRD STREET/LINCOLN AVENUE.
- STAGE 2B: CONSTRUCT NORTHBOUND RELOCATED IL 3 FROM STA. 781+05 TO STA 792+15 AND CONSTRUCT BROADWAY.
- STAGE 3A: CONSTRUCT NORTHBOUND RELOCATED IL 3 FROM STA.
 778+50 TO STA 781+05 AND CONSTRUCT FOURTH STREET
 CONNECTOR.
- STAGE 3B: COMPLETE CONNECTION OF RELOCATED IL 3 TO EXISTING
 IL 3 AT SOUTH END OF PROJECT AND CONSTRUCT ABBOTT
 STREET

- D. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 15.0 ACRES.
- THE TOTAL AREA OF THE SITE THAT IT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS 10.3 ACRES.
- E. THE FOLLOWING IS A WEIGHTED AVERAGE OF THE RUNOFF COEFFICIENT FOR THIS PROJECT:
- THE WEIGHTED AVERAGE RUNOFF COEFFICIENT FOR THIS PROJECT IS 0.75.
- 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 OF THE RELOCATED IL 3. THESE ARE:

DARWIN-AQUENTS-URBAN LAND COMPLEX (2071L) - A POORLY DRAINED SOIL WITH SLOW PERWEABILITY THAT OCCASIONALLY FLOODS. THIS SOIL HAS A SLIGHT TO MODERATE SUSCEPTIBILITY TO WATER EROSION AND MODERATE SUSCEPTIBILITY TO WIND EROSION WITH SLOPES THAT ARE BETWEEN ZERO AND TWO PERCENT.

SHAFFTON-FLUVENTS-URBAN LAND COMPLEX (2183A) - A POORLY DRAINED SOIL WITH MODERATE PERMEABILITY THAT OCCASIONALLY FLOODS. THIS SOIL HAS A SLIGHT TO MODERATE SUSCEPTIBILITY TO WATER EROSION AND MODERATE SUSCEPTIBILITY TO WIND EROSION WITH SLOPES THAT ARE BETWEEN ZERO AND TWO PERCENT.

TICE SILTY CLAY LOAM (8284A) - A POORLY DRAINED SOIL WITH MODERATE PERMEABILITY THAT OCCASIONALLY FLOODS. THIS SOIL HAS A SLIGHT TO MODERATE SUSCEPTIBILITY TO WATER EROSION AND MODERATE SUSCEPTIBILITY TO WIND EROSION WITH SLOPES THAT ARE BETWEEN ZERO AND TWO PERCENT.

FULTS SILTY CLAY (8591A) - A POORLY DRAINED SOIL WITH SLOW PERMEABILITY THAT OCCASIONALLY FLOODS. THIS SOIL HAS A SLIGHT TO MODERATE SUSCEPTIBILITY TO WATER EROSION AND MODERATE SUSCEPTIBILITY TO WIND EROSION WITH SLOPES THAT ARE BETWEEN ZERO AND TWO PERCENT.

- G. THE FOLLOWING IS A DESCRIPTION OF POTENTIALLY CRITICAL EROSIVE AREAS ASSOCIATED WITH THIS PROJECT:
- H. THE FOLLOWING IS A DESCRIPTION OF SOIL DISTURBING ACTIVITIES, THEIR LOCATIONS, AND THEIR EROSIVE FACTORS.

THE NATURE AND PURPOSE OF LAND DISTURBING ACTIVITIES ON THIS PROJECT IS THE REMOVAL AND RELOCATION OF IL 3, THE RECONSTRUCTION OF THE SEVERAL SIDE STREETS, CONSTRUCTION OF AN UNDERGROUND DRAINAGE SYSTEM AND DETENTION BASIN, AND DEMOLITON OF SEVERAL BUILDINGS. PROPOSED RIGHT-OF-WAY WILL BE REQUIRED TO ACCOMMODATE RECONSTRUCTION OF IL 3. A PORTION OF THE RIGHT-OF-WAY EAST OF EXISTING IL 3 WILL BE DEDICATED FOR FLOODWAY COMPENSATORY STORAGE. THERE ARE NO SCHEDULED NEIGHBORING ACTIVITIES THAT WILL AFFECT THE SOIL EROSION AND SEDIMENT CONTROL PLANS AND NO OFF-SITE LAND DISTURBING ACTIVITIES.

ALL FOUR TYPES OF SOILS AT THE SITE HAVE A MODERATE SUSCEPTIBILITY TO WIND EROSION.

- 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 OFFSITE 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 AREAL EXTENT OF WETLAND ACREAGE AT THE SITE. THE LOCATION OF THE RECEIVING WATERS CAN BE FOUND ON THE EROSION AND SEDIMENT CONTROL

THE RECEIVING WATER FOR RUNOFF FROM THIS PROJECT IS THE MISSISSIPPI RIVER.

K. THE FOLLOWING POLLUTANTS OF CONCERN WILL BE ASSOCIATED WITH THIS CONSTRUCTION PROJECT:

WITH THIS CONSTRUCTION PROJECT:

SOIL SEDIMENT
CONCRETE
CONCRETE TRUCK WASTE
CONCRETE CURING COMPOUNDS
SOLID WASTE / DEBRIS
PAINTS
PAIN

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 AREAS 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 CONTROLS

- 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)(d) AND II(A)(3), STABILIZATION MEASURES SHALL BE INITIATED AS SOON 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 CEASES ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF 21 OR MORE CALENDAR DAYS. A. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE
- A. 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:

TEMPORARY EROSION CONTROL SEEDING EROSION CONTROL BLANKET / MULCHING PROTECTION OF TREES PERMANENT SEEDING

DESCRIPTION OF STABILIZATION PRACTICES LISTED ABOVE:

1. TEMPORARY EROSION CONTROL SEEDING - THIS ITEM WILL BE APPLIED TO ALL BARE AREAS EVERY SEVEN DAYS TO MINIMIZE THE AMOUNT OF EXPOSED SURFACE AREAS.

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.

BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN 7 DAYS.

- PERMANENT SEEDING SEEDING, CLASS 2A WILL BE INSTALLED PER IDOT SPECIFICATIONS IN ALL AREAS EXCEPT FOR THE DETENTION BASIN WILL HAVE CLASS 4B AND 3:1 SIDE SLOPES ALONG IL 3 WILL HAVE CLASS 3.
- 3. EROSION CONTROL BLANKETS/MULCHING EROSION CONTROL BLANKETS WILL BE INSTALLED OVER ALL AREAS THAT HAVE BEEN BROUGHT TO FINAL GRADE AND PERMANENTLY SEEDED TO PROTECT SLOPES FROM EROSION AND ALLOW SEEDS TO GERMINATE.

MULCH AS APPLIED TO TEMPORARY EROSION CONTROL SEEDING SHALL BE BY TH EMETHOD SPECIFIED INN THE CONTRACT AND AT THE DIRECTION OF THE ENGINEER. MULCH WILL BE PAID SEPARATELY AND SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS.

4. PROTECTION OF TREES - THIS ITEM SHALL CONSIST OF ITEM
"TREE TRUNK PROTECTION" AS SHOWN ON THE PLANS OR
DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH ARTICLE
201.05 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

PERMANENT STABILIZATION - ALL AREAS DISTURBED BY CONSTRUCTION WILL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING THE FINISHED GRADING. EROSION CONTROL BLANKET WILL BE INSTALLED OVER FINISHED GRADE AND AREAS WHICH HAVE BEEN SEEDED TO PROTECT THE SLOPES FROM RILL AND GULLY EROSION AND ALLOW SEED TO GERMINATE PROPERLY.

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, SUBSUBFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, ROCK OUTLET PROTECTION, REINFORCED SOIL RETAINING SYSTEMS, CABIONS, 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:

PERIMETER EROSION BARRIER STORM DRAIN INLET PROTECTION RIPRAP

DESCRIPTION OF STRUCTURAL PRACTICES LISTED ABOVE:

 PERIMETER EROSION BARRIER - SILT FENCES WILL BE PLACED ALONG THE EXTENT OF CONSTRUCTION LIMITS IN FILL LOCATIONS IN AN EFFORT TO CONTAIN SILT AND RUNOFF FROM LEAVING THE SITE.

CONSTRUCT AT BEGINNING OF CONSTRUCTION. REMOVE AT END OF CONSTRUCTION.

- 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.
- 3. RIPRAP STONE RIPRAP WITH FILTER FABRIC WILL BE USED AS PROTECTION AT THE DISCHARGE END OF ALL CULVERT END SECTIONS AND AS INLET/OUTLET PROTECTION TO PREVENT SCOURING AT THE END OF PIPES AND TO PREVENT DOWNSTREAM EROSION.

AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER 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 APPROVAL AND USE OF THE PRODUCT. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTORIZED 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.

- 3. STORM WATER MANAGEMENT: PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.
- A. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: STORM WATER DETENTION STRUCTURES (INCLUDING WET PONDS), STORM WATER RETENTION STRUCTURES, FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS, INFILTRATION OF RUNOFF ON SITE, AND SEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES).

THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE IN SECTION 59-8 (EROSION AND SEDIMENT CONTROL) IN CHAPTER 59 (LANDSCAPE DESIGN AND EROSION CONTROL) OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF DESIGN AND ENVIRONMENT MANUAL. IF PRACTICES OTHER THAN THOSE DISCUSSED IN SECTION 59-8 ARE SELECTED FOR IMPLEMENTATION OR IF PRACTICES ARE APPLIED TO SITUATIONS DIFFERENT FROM THOSE COVERED IN SECTION 59-8, THE TECHNICAL BASIS FOR SUCH DECISIONS WILL BE EXPLAINED BELOW

B. VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G. MAINTENANCE OF HYDRODYMAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS.

A DETENTION BASIN WILL BE CONSTRUCTED TO COLLECT THE COMPENSATORY RUNOFF RESULTING FROM THE NEW CONSTRUCTION.

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	PLOT SCALE = \$SCALE\$	CHECKED		A. FREY	REVISED	-
	PLOT DATE = 02/02/2009	DATE		02/06/2009	REVISED	-