STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO 'ENTION PLAN FOR COMPLIANCE UNDER NPDES. THE CONTRACTOR SHALL ARIDE TO ALL REQUIREMENTS WITHIN THIS PLAN AS PART OF THE CONTRAC

THE PURPOSE OF THIS PLAN IS TO PREVENT/MINIMIZE SILIATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUC TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE TIME

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, OTHER ITEMS SHALL DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SECRETOR OF ACTIVITIES TIME OF THE YEAR, AND EXPECTED WEATHER CONTRACTOR'S SECRETOR OF ACTIVITIES TIME OF THE YEAR, AND EXPECTED WEATHER CONTRACTOR'S

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SERDING WITHIN A REASONABLE AMOUNT OF TIME: THEREFORE, REDUCING THE AMOUNT OF AR FROSION AND REDUCING THE AMOUNT OF TEMPORARY EROSION CONTROL SYSTEMS AND TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THIS PLAN. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN SPECIAL DETAILS AND IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

- 1. THE PROPOSED PROJECT CONSISTS OF SLOPE STABILIZATION AND RECONSTRUCTION OF APPROXIMATELY 500 FEET OF 20 FEET WIDE BITUMINOUS PAVEMENT.
- CONSTRUCTION CONSISTS OF CLEARING TIMBER; CONSTRUCTING TEMPORARY DRAINAGE DIVERSION DITCH; PAVEMENT REMOVAL: EXCAVATING UNSTABLE MATERIAL: REMOVING TWO CULVERTS INSTALLING STORM WATER PIPING AND NEW CULVERY: ROCK EXCAVATION; INSTALLING UNDERDRAIN SYSTEM; INSTALLING AGGREGATE BASE; RECONSTRUCTING EMBANKMENT; INSTALLING ROADWAY BASS, BITUMINOUS SURFACE, AND AGGREGATE SHOULDERS; SHAPING NEW DITCHES; INSTALLING PERMANENT DITCH CHECKS; INSTALLING GUARDRAIL AND OTHER MISCELLANEOUS WORK TO COMPLETE

DESCRIPTION OF INTENDED SERVENCE OF MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB EARTH AND LEAD TO POSSIBLE EROSION FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE.

- TREE REMOVAL WILL BE COMPLETED ON THE SOUTH SIDE OF THE ROADWAY, APPROXIMATELY 0.25 ACRES, AND A TEMPORARY AGGREGATE LINED DIVERSION DITCH WILL BE CONSTRUCTED.
- TREE REMOVAL WILL BE COMPLETED ON THE NORTH SIDE OF THE ROADWAY TO THE TOP OF THE SLOPE, APPROXIMATELY 0.75 ACRES.
- PAVEMENT REMOVAL EARTH AND ROCK EXCAVATION, AND EXISTING CULVERT REMOVAL WILL BE COMPLETED. CULVERT, TRENCH DRAIN AND PIPE UNDERDRAINS WILL BE INSTALLED.
- ROCK BASE LAYERS WILL BE PLACED.
- EXISTING SOIL WILL BE REINSTALLED AS CONTROLLED FILL AND DITCHES AND NEW STORM SEWER LINE WILL BE INSTALLED.
 NEW AGGREGATE BASE COURSE AND BITUMINOUS PAVEMENT WILL BE INSTALLED.
- SHOULDERS GHARDRAIL FEBRULIZATION, EROSION CONTROL BLANKET, SEEDING RIPRAP PLACEMENT AND OTHER MISCELLANEOUS ITEMS SHALL BE COMPLETED TO FINISH THE PROJECT.

AREA OF CONSTRUCTION SITE

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 1.5 ACRES OF WHICH 1.25 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING AND OTHER ACTIVITIES.

TEMPORARY STOCKPILE SITES SHOWN IN PLANS MAY BE USED AT CONTRACTOR'S OPTION. ACCESS ROAD SHOWN ON PLANS MAY BE USED AT CONTRACTOR'S OPTION. TEMPORARY EROSION CONTROL AT THESE SITES

OTHER REPORTS, STUDIES, AND PLANS WHICH AID IN THE DEVELOPMENT OF THIS STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

- INFORMATION ON THE SOILS AT THE SITE WAS TAKEN FROM THE SOIL BORINGS AND REPORT WHICH WAS UTILIZED FOR DEVELOPMENT OF THE PLANS FOR THE SLOPE STABILIZATION. TERRAIN INFORMATION WAS TAKEN FROM USGS TOPOGRAPHIC MAPS AND SURVEY INFORMATION GATHERED FOR PLAN PREPARATION.
- PROJECT PLAN DOCUMENTS, STANDARD SPECIFICATIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER MAJOR GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES RECEIVING WATER FROM THIS CONSTRUCTION SITE:

UNNAMED TRIBUTARY OF THE ILLINOIS RIVER

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

- THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES AS DIRECTIED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED IMMEDIATELY, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORABILY OR PERMANENTLY CEASED.
 - AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
 - DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.

 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 AS DIRECTED BY THE ENGINEER.
 - OPTIONAL STOCKPILES AND OPTIONAL ACCESS ROAD, IF UTILIZED, SHALL HAVE PERIMETER PROSION BARRIER INSTALLED AS CALLED OUT ON THIS PLAN AND AS DIRECTED BY THE D. ENGINEER
 - 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 SEVEN DAYS.

 IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED, AREAS WHICH ARE HIGHLY ERODIBLE AS DETERMINED BY THE ENGINEER SHALL BE TEMPORABLLY SEEDED WHEN NO
 - CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN CALENDAR DAYS.
 - AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS, A TEMPORARY AGGREGATE DIVERSION DITCH WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE CONSTRUCTION LIMITS.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTIONS

- 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
 - 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 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.
 - AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE POLICY ON ON THE PLANS.

 L. FLACE 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 CONSTRUCTION LIMITS. CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
 - EXCAVATE AND PLACE CULVERIS AND MANHOLES.

 - TEMPORARILY DIVERT WATER AROUND PROPOSED INLET LOCATIONS.
 CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAMETIME, PLACING PERMANENT CONTROL SUCH AS RIPRAP, DITCH LINING AND CONDUCTING FINAL SHAPING TO THE SLOPES.
 - EXCAVATED AREAS AND EMBANXMENT SHALL BE PERMANENTLY SEEDED AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.
 - TO FUNDATION OF THE STORM OF TH THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 0.5 INCH RAINFALL 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 BASISTO 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 THE 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 EXCEPT AS
 - SPECIFICALLY NOTED ON PLANS. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE FOR THE 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 THIRF
- ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESERVED

OTHER CONTROLS:

NO SOLID MATERIALS. INCLUDING BUILDING MATERIAL, SHALL BE DISCHARGED INTO THE WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

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

EROSION AND SEDIMENT CONTROL NOTES:

- AGGREGATE DITCH CHECKS SHALL BE LOCATED AT EVERY 1.5 FT FALL/RISE IN DITCH GRADE.
 DITCH CHECKS, AGGREGATE USES RIP RAP GRADING NO. 3 -- REMAIN IN PLACE AT END OF CONSTRUCTION.
- TEMPORARY DITCH LINING USES RIP RAP QUALITY B. GRADING NO. 3 REMOVE AT END OF CONSTRUCTION
- TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRE.
 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 THE APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION
- TEMPORARY SEEDING AND MUICH SHALL BE APPLIED TO ALL ERODIBLE BARE EARTH AREAS EVERY 7 DAYS AND SHALL BE IN ACCORDANCE WITH ARTICLE 280 OF THE STANDARD SPECIFICATION FOR ROAD

INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL

- DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM FROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATION: WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF SITE SEDIMENT TRACKING.
- BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES AND POLLUTION PREVENTION MEASURES SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE
- AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION, A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION 4.8. SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT
- THE INTERECT OF THE PART OF TH SINDLE CONTRIBET AND THE ATT THE METERS OF THE TENTH AND THE ATT THE RESIDENCE AND THE ATT THE RESIDENCE ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.

THE REPORT OF NONCOMPLIANCE SHALL BE MAILED TO THE POLLOWING ADDRESS:

HUNOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF WATER POLLUTION CONTROL
ATTN: COMPLIANCE ASSURANCE SECTION 1021 NORTH GRAND EAST POST OFFICE BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM

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 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 POSSIBIUTY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNED: COND MINING DOOR P.E., S.E.

CONTRACTOR'S CERTIFICATION

A CONTRACTOR'S CERTIFICATION SIGNATURE SHEET HAS BEEN INSERTED IN THE SPECIAL PROVISIONS AND IS HEREBY MADE PART OF THE CONTRACT. THE CONTRACTOR SHALL SIGN AND DATE THE CERTIFICATION SHEET

** FAILURE TO DO SO WILL BE SUFFICIENT CAUSE TO REJECT THE BIDDERS PROPOSAL**

REVISIONS NAME ILLINOIS DEPARTMENT OF TRANSPORTATION DATE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IDNR / IHPA STATEWIDE ARMY ROAD IMPROVEMENTS
PERE MARQUETTE STATE PARK SCALE: NONE DRAWN BY: EJR

CHECKED BY: KCM

DATE: 1-16-07