

I. SITE DESCRIPTION

- A. PROJECT NAME AND LOCATION:**
MIDAMERICA ST. LOUIS AIRPORT - ST. CLAIR COUNTY, ILLINOIS
TWY K EROSION STABILIZATION
- B. OWNER NAME AND ADDRESS:**
ST. CLAIR COUNTY
10 PUBLIC SQUARE
BELLEVILLE, ILLINOIS 62220-9989
- C. DESCRIPTION:** SOIL DISTURBING ACTIVITIES WILL INCLUDE: CLEARING OF TOPSOIL; PERIMETER SILT FENCING AND OTHER EROSION AND SEDIMENT CONTROLS; EXCAVATION, RIPRAP REVETMENT, AND FINAL GRADING; AND FINAL SEEDING.
- D. SITE AREA:** THE SITE IS APPROXIMATELY 1.66 ACRES, OF WHICH 80% WILL BE DISTURBED BY CONSTRUCTION ACTIVITIES.
- E. RUNOFF COEFFICIENT:** THE EXISTING RUNOFF COEFFICIENT FOR THE SITE IS 0.30. THE RUNOFF COEFFICIENT FOR THIS SITE AT THE COMPLETION OF THIS CONTRACT WILL BE 0.32.
- F. SEQUENCE OF MAJOR ACTIVITIES.** THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:
1. MOBILIZATION
 2. CONSTRUCTION STAKING
 3. INSTALL EROSION CONTROL
 4. EXCAVATION
 5. RIPRAP REVETMENT
 6. FINAL GRADING
 7. SEED AND MULCH DISTURBED AREAS WITHIN 14 DAYS AFTER FINAL GRADING OPERATIONS
 8. REMOVE TEMPORARY EROSION CONTROL
 9. CLEANUP AND DEMOBILIZATION
- G. NAME OF RECEIVING WATERS:** THE ENTIRE SITE WILL DRAIN INTO SILVER CREEK.

LEAVING THE SITE. ALL TEMPORARY STRUCTURAL CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND WITHIN 24 HOURS AFTER A RAINFALL OF 0.5" OR GREATER AS MEASURED ON SITE.

TEMPORARY STRUCTURAL CONTROL MEASURES SHALL REMAIN IN PLACE AND IN FUNCTIONAL CONDITION UNTIL REMOVAL IS DIRECTED BY THE RESIDENT ENGINEER.

3. STORMWATER MANAGEMENT

STORMWATER MANAGEMENT WILL BE PROVIDED BY DRAINAGE DITCHES, SWALES, STORM SEWERS, AND CATCH BASINS FOR THE SITE. THE AREAS WILL BE GRADED TO DRAIN AND HAVE PERMANENT SEEDING. EXISTING DETENTION BASINS FROM PREVIOUS CONSTRUCTION ACTIVITIES WILL REMAIN IN PLACE.

B. OTHER CONTROLS

1. WASTE DISPOSAL

A. WASTE MATERIALS
ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN METAL CONTAINERS WITH LIDS AND WILL BE DISPOSED OF BY A LICENSED SOLID WASTE MANAGEMENT COMPANY. THE CONTAINERS WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE CONTAINERS. THE CONTAINERS WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED OFF SITE. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ONSITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE CONTRACTOR'S OFFICE TRAILER. THE CONTRACTOR'S SUPERINTENDENT, WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

B. HAZARDOUS WASTE
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS OR BY THE MANUFACTURER'S MATERIAL SAFETY DATA SHEET (MSDS). SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE CONTRACTOR'S SUPERINTENDENT, WHO MANAGES DAY-TO-DAY RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

C. SANITARY WASTE
ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONCE PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, AS REQUIRED BY LOCAL REGULATIONS.

2. OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE AND STAGING AREA HAVE BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEPED DAILY TO REMOVE ANY EXCESS MUD, DIRT, OR ROCK TRACKED FROM SITE.

THE CONTRACTOR SHALL PROVIDE ALL MEASURES REQUIRED BY IDOT FOR ACCESSING PUBLIC ROADS BY CONSTRUCTION VEHICLES.

III. TIMING OF CONTROLS/MEASURES

AS INDICATED IN SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCING AND OTHER EROSION CONTROLS WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 21 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 14 DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH AS PER SPECIFICATIONS. THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM EROSION CONTROLS AND THE AREA WILL BE MONITORED AND MAINTAINED UNTIL STABILIZED.

IV. CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

THE STORMWATER POLLUTION PREVENTION PLAN REFLECTS ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND ILLINOIS SOIL AND WATER CONSERVATION DISTRICT'S REQUIREMENTS FOR STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL. GUIDANCE WAS OBTAINED BY REFERENCE TO IEPA'S "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL," AND ILLINOIS' SOIL AND WATER CONSERVATION DISTRICTS' "PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL." THERE ARE NO OTHER APPLICABLE LOCAL REQUIREMENTS FOR SEDIMENT AND EROSION SITE PLANS (OR PERMITS), OR STORMWATER MANAGEMENT SITE PLANS (OR PERMITS).

V. MAINTENANCE/INSPECTION PROCEDURES

THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:

1. ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER AS MEASURED ON SITE.
2. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
3. BUILT-UP SEDIMENT WILL BE REMOVED FROM SILT FENCE OR STRAW BALES WHEN IT HAS REACHED ONE-QUARTER THE HEIGHT OF THE FENCE/BALE.
4. SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
5. TEMPORARY AND PERMANENT SEEDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
6. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION AND KEPT ON FILE.
7. THE CONTRACTOR'S SUPERINTENDENT WILL SELECT THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT. THE RESIDENT ENGINEER SHALL VERIFY ALL INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES.
8. PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE GUIDELINES FROM THE RESIDENT ENGINEER. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER, BY THE CONTRACTOR.

VI. INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

- | | |
|-----------------------------|----------------------|
| 1. CONCRETE | 5. CLEANING SOLVENTS |
| 2. DETERGENTS | 6. WOOD |
| 3. FERTILIZERS | 7. PAINTS |
| 4. PETROLEUM BASED PRODUCTS | |

VII. SPILL PREVENTION

THE CONTRACTOR SHALL BE FAMILIAR WITH THE PROCEDURES OUTLINED IN THE MIDAMERICA ST. LOUIS AIRPORT SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN WHICH IS MAINTAINED IN THE AIRPORT ADMINISTRATION OFFICE. THE FOLLOWING ADDITIONAL PRACTICES ARE ALSO APPLICABLE TO THE PROJECT:

A. MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF:

1. GOOD HOUSEKEEPING - THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT:
 - A. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
 - B. ALL MATERIAL STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS, AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE. CONTAINERS SHALL BE LABELED.
 - C. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABELS.
 - D. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
 - E. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
 - F. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
 - G. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.
2. HAZARDOUS PRODUCTS - THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS:
 - A. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
 - B. ORIGINAL LABELS AND MSDS WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
 - C. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

B. PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

1. PETROLEUM PRODUCTS: ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
2. FERTILIZERS: FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
3. PAINTS: ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM, BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.
4. CONCRETE TRUCKS: CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE UNLESS IN AN APPROVED HOLDING BASIN.

C. SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

1. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE, BUT NOT BE LIMITED TO: BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
3. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
4. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
5. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
6. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS A REOCCURRENCE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
7. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE AT LEAST THREE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.

VIII. POLLUTION PREVENTION PLAN CERTIFICATION

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.

SIGNED: _____ DATE: _____

IX. CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

II. CONTROLS

THE CONTRACTOR SHALL BE FAMILIAR WITH THE PROCEDURES OUTLINED IN THE MIDAMERICA ST. LOUIS AIRPORT STORMWATER POLLUTION PREVENTION PLAN WHICH IS MAINTAINED IN THE AIRPORT ADMINISTRATION OFFICE. THE FOLLOWING ADDITIONAL CONTROLS ARE ALSO APPLICABLE TO THE PROJECT:

A. EROSION AND SEDIMENT CONTROLS

1. STABILIZATION PRACTICES

A. TEMPORARY STABILIZATION

WASTE DISPOSAL AREAS AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 21 DAYS WILL BE STABILIZED WITH TEMPORARY SEED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. THE TEMPORARY SEED SHALL BE SEED MIX NO. 2 APPLIED AT THE RATE OF 60 POUNDS PER ACRE. ALL TEMPORARY STABILIZATION BY SEEDING MEASURES SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE COST FOR ALL OTHER CONSTRUCTION PAY ITEMS. DUST CONTROL SHALL BE PROVIDED AS PER THE SPECIFICATIONS.

B. PERMANENT STABILIZATION

WASTE DISPOSAL AREAS AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY PERMANENTLY CEASES SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. SEE SPECIFICATIONS FOR PERMANENT SEED MIX. PRIOR TO SEEDING, FERTILIZER SHALL BE APPLIED TO EACH ACRE TO BE STABILIZED, IN ACCORDANCE WITH THE SPECIFICATIONS. AFTER SEEDING, EACH AREA SHALL BE MULCHED AS PER THE SPECIFICATIONS. THE STRAW MULCH IS TO BE TACKED INTO PLACE BY A DISK WITH BLADES SET NEARLY STRAIGHT.

ALL SEEDED AREAS SHALL BE INSPECTED AT LEAST ONE TIME EACH SEVEN DAYS AND WITHIN 24 HOURS AFTER A RAINFALL OF 0.5" OR GREATER AS MEASURED ON SITE.

2. STRUCTURAL PRACTICES

A. TEMPORARY STRUCTURAL CONTROL MEASURES

SILT FENCES AND POSSIBLE STONE CHECKS SHALL BE CONSTRUCTED AT ALL LOCATIONS AS INDICATED IN THE PLANS AND AT ANY ADDITIONAL LOCATIONS, AS APPROVED BY THE RESIDENT ENGINEER, THAT THE CONTRACTOR FEELS WILL PROVIDE ADEQUATE PROTECTION AGAINST SEDIMENT-LADEN RUNOFF

REV.	DATE	BY	APPR.	DESCRIPTION	PLOT FILE	REV.	DATE	BY	APPR.	DESCRIPTION	PLOT FILE

DESIGNED BY: DJT
DRAWN BY: DJT
CHECKED BY: TNG
DATE: 06/08/07



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STORMWATER POLLUTION PREVENTION PLAN (NOTES)

DWG. FILE NAME
95073-C-04
SHEET NO.
4

SIGNATURE	FOR	RESPONSIBLE FOR
Name: _____ Date: _____	Address: _____	General Contractor