S.P. 111 EROSION AND SEDIMENT CONTROL

The Illinois Tollway, in order to comply with various environmental regulations, has included Bid Items from Section 280 of the Illinois Tollway Supplemental Specifications and/or the Standard Specifications, to implement such compliance. The Contractor shall make his/her employees and subcontractors aware that the Illinois Tollway will strictly enforce these requirements.

The National Pollutant Discharge Elimination System (NPDES) program of the Federal Clean Water Act addresses pollution by regulating point sources that discharge pollutants into waters of the United States. In Illinois, coverage under an NPDES stormwater permit is required from the IEPA for construction activities that result in disturbance of one (1) or more acres of total land area. The Illinois Tollway must comply with the requirements of the current ILR10 permit for all projects that meet the ILR10 permit applicability criteria.

As an operator of a small municipal separate storm sewer system (MS4) and ILR40 permittee from the IEPA, the Illinois Tollway is required to reduce the discharge of pollutants from their MS4 to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter 1) and the Clean Water Act. Accordingly, it is the policy of the Illinois Tollway that all construction operations be conducted in a manner that minimizes the potential to impact stormwater.

Erosion and sediment controls (regardless of the area of earth disturbance) and other stormwater protection measures must be provided on all projects which will expose areas of soil or otherwise have a reasonable potential to impact the environment. Such impacts include but are not limited to adverse effects to operations on the highway or associated rights-of-way, introduction of pollutants into receiving waters, or could affect adjacent properties, sensitive environmental resources, or other resources which the Illinois Tollway has committed to protect from pollutant impacts.

Illinois Tollway projects which involve clearing and grubbing, excavation, stockpiling of soil and aggregate, borrow, construction of embankment, or otherwise require the use of temporary erosion and sediment control measures requires the preparation and implementation of an Erosion and Sediment Control Plan.

All Illinois Tollway projects have been evaluated for the need for an NPDES permit, erosion and sediment controls, and pollution prevention measures to protect stormwater as part of the preparation of the Contract Plan and Documents. If the project involves a cumulative land disturbance of one (1) acre or more, an NPDES permit is required and requirements of the permit are specified in S.P. 111.1. Requirements regarding erosion and sediment control and other pollution prevention controls to minimize stormwater pollution during construction activities are specified in S.P. 111.2.

The Contract Plans identify the types of erosion and sediment control practices to be used, the locations in which they will be applied, and when they should be applied in relation to the sequence of construction operations. The sequence of

construction operations may not have been specified in the Contract Plans. Rather, the application of erosion and sediment control measures in relation to the specific stages of construction that may expose soil wherever those stages occur may be described.

S.P. 111.1 NPDES PERMIT NO. ILR10

The general construction site activities of this project will be conducted under the Illinois Environmental Protection Agency (IEPA) General Permit to Discharge Stormwater associated with construction site activities (ILR10).

The requirements of this permit include the development of detailed Erosion and Sediment Control Plan (ESCP) and the preparation of a Stormwater Pollution Prevention Plan (SWPPP) that addresses erosion and sediment control issues, stormwater management, and control of other construction-related pollutants that could impact the environment. Also included are the installation of the required measures by the Contractor, along with the implementation of an active inspection and maintenance program, and the filing of the necessary required documents.

The Contract Plans and Documents describe the ESCP proposed for the project. The Contractor may submit new drawings defining the measures to be installed but these drawings will need to be approved by the Illinois Tollway prior to the Illinois Tollway signing the SWPPP.

The SWPPP, S.P. 111.2, is to be completed by the Contractor and submitted to the Illinois Tollway for review and signature. This SWPPP must be approved and signed by the Illinois Tollway and the Contractor and submitted to the IEPA no later than 30 days prior to the start of construction, with the Notice of Intent (NOI). A copy of the signed SWPPP and referenced documents are to be kept on the construction site at all times by the Engineer and the Contractor. The SWPPP is to be updated by the Engineer and Contractor as changes are made during construction.

The NOI must be submitted to the IEPA no later than 30 days prior to the start of construction. The NOI will be initiated by the Design Section Engineer (DSE), who is responsible for completing the owner, construction site (except for construction start/end dates), type of construction, historic preservation and endangered species compliance, and receiving water information sections. The Contractor will finalize the NOI by completing the contractor information, dates of construction start/end, SWPPP information, and any missing information from the type of construction information sections. The Contractor will submit the completed NOI to the Engineer, who will then submit it to the Illinois Tollway Environmental Unit for signature and filing with the IEPA. The Contractor shall submit the completed NOI and SWPPP within five (5) business days of Notice to Proceed date, to the Engineer in order to provide sufficient time for this process and for the forms to be filed with the IEPA no later than 30 days before any ground disturbing activity begins. A copy of a blank NOI form can be found at:

http://www.epa.state.il.us/water/permits/storm-water/construction.html

A copy of the letter of notification of coverage from the IEPA, along with the General NPDES Permit for Storm Water Discharges from Construction Site Activities shall be posted at the site in a prominent place for public viewing.

The Illinois Tollway's General Permit ILR40 from the IEPA requires established and controlled concrete washout location(s) in order to reduce contaminated runoff into nearby ditches and streams. The Contractor shall be responsible for locating the concrete truck washout locations. At the time of the Preconstruction Conference, the Contractor shall submit for approval the proposed concrete truck washout location(s). The locations will be reviewed and discussed at the Preconstruction Conference to reinforce to the Contractor the importance of the washout facilities so that pollutants do not reach the storm sewer or ditch systems. The approved location(s) shall be annotated on the Engineer's copy(ies) of the Erosion and Sediment Control Plan.

The Illinois Tollway's General Permit ILR40 also requires that sediment laden stormwater runoff containing suspended and dissolved solids from roadway base comprised of either recycled concrete or rubblized concrete have said solids removed prior to discharging outside of Illinois Tollway right-of-way to the extent required by the NPDES General Permit. For construction areas adjacent to creeks and streams, the stormwater's pH must also be moderated prior to discharge. The Contract Documents have incorporated appropriate Best Management Practices (BMPs) into the project plans to prevent these types of sediments from leaving Illinois Tollway right-of-way. The Contractor shall be responsible for installing identified BMPs, identifying any areas where sediments are leaving Illinois Tollway right-of-way, and removing said BMPs following completion of the project when sediments are no longer being released.

For any violation of the SWPPP observed during any inspection conducted, including those not required by the plan, and any illicit discharge (defined as any discharge that is not composed entirely of stormwater) exiting the right-of-way or to receiving waters, the Engineer will immediately report the incident to the Illinois Tollway Environmental Unit. Corrective actions must be initiated immediately to address any non-compliance issues(s).

Reports of violations of the SWPPP and illicit discharges shall be reported to the Illinois Tollway Environmental Unit at environment@getipass.com. For additional inquiry, contact (630) 241-6800 ext. 4222. The Illinois Tollway Environmental Unit will coordinate any potential violations directly with the IEPA. In addition, the Engineer will provide a written submission to the Illinois Tollway Environmental Unit and the project files within five (5) days summarizing the incident(s) and actions taken.

A Notice of Termination (NOT) will be filed by the Engineer with the Illinois Tollway and the Contractor when construction is completed and construction related discharge authorized by the permit is eliminated, or the contract is terminated. If the discharge of concrete fines continues at the time of contract termination, the Engineer will advise the Illinois Tollway Environmental Unit. The NOT will be filed when the site is permanently stabilized either with a uniform perennial vegetated cover that has a density of 70% coverage or has an equivalent permanent stabilization such as riprap, gabions, or geotextiles. In addition, the NOT will not be filed until all temporary erosion and sediment control measures have been

removed. The NOT will not be filed until at least 30 days after all permanent stabilization is installed, all temporary erosion and sediment control measures have been removed, all BMPs associated with concrete or limestone dust particles from roadway base have been removed, and associated disturbed areas stabilized. The NOT will contain information on the dates the construction was completed and when the site was stabilized.

A copy of the General NPDES Permit ILR10 and samples of the NOI, ION and NOT are available at the following website:

http://www.epa.state.il.us/water/permits/storm-water/construction.html

The SWPPP shall be amended whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to Waters of the U.S. and which has not otherwise been addressed in the plan. The SWPPP shall also be amended if the plan proves to be ineffective in eliminating or significantly minimizing pollutants, or in otherwise achieving the general objectives of controlling pollutants in storm water discharges associated with construction site activity. In addition, the SWPPP shall be amended to identify any new contractor and/or subcontractor that will implement a measure of the plan. The SWPPP and ESCP must be modified within 7 days for any changes to construction plans, stormwater controls or other activities at the site that are no longer accurately reflected in the SWPPP. Any revisions of the documents for the SWPPP shall be kept on site at all times.

All inspection reports, Contract Drawings relating to the NPDES permitted activities, the SWPPP as amended and other erosion and sediment control documents will be maintained by the Illinois Tollway for at least three (3) years after filing the NOT.

S.P. 111.2 STORM WATER POLLUTION PREVENTION PLAN

1. Site Description.

The following is a description of the construction activity which is the subject of this plan:

a. Project Location

The work under this contract shall be performed along approximately 3.40 miles of existing TRI-STATE TOLLWAY (I-294) between Station 1740+00 (M.P. 32.90) and Station 1921+00 (M.P. 36.30) and related construction Cook County, Illinois.

b. Description of the Construction Activity

The work under this contract includes, but is not limited to, installation of steel casing, installation of underground duct in trench, installation of fiber optic cable.

1) *Install erosion control measures. This work includes, but is not limited to installation of ditch checks, culvert inlet*

protection, silt fence, temporary construction entrances and protection of existing vegetation.

2) *Performing necessary utility relocations.*
3) *Install temporary ditch checks and temporary stabilization with straw mulch on disturbed areas where construction activities have temporarily or permanently ceased and construction will not occur for 14 days or more.*

The aforementioned general description of construction staging will be modified by the Contractor's Progress Schedule that will be part of the SWPPP. The Suggested Progress Schedule will be maintained and updated as necessary and made part of the SWPPP.

c. Sequence of Major Earth Disturbing Construction Activities

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 clearing, excavation, grading and on-site or off-site stockpiling of soils or storage of materials:

1. Install Initial Erosion and Sediment Control Measures
2. Site clearing and tree removal
3. UPRR Utility Crossing
4. Backfilling of excavations and voids as a result of removal operations.
5. Removal and disposal of waste or hazardous waste materials, related to temporary erosion controls, shall be per the Tollway Supplemental Specifications.

The aforementioned general description of construction staging will be modified by the Contractor's Progress Schedule that will be part of the SWPPP. The Contractor shall revise the Suggested Progress Schedule which will be maintained and updated as necessary and made part of the SWPPP.

Additional details regarding the progress schedule and erosion and sediment control sequencing are shown on Sheets **PS-01** "Suggested Progress Schedule", Sheets **ES-01, EC-01 and ED-01** "Erosion and Sediment Control Schedule, Plan and Detail" and shall be made part of the SWPPP. Where deviations from those drawings are required due to field conditions, the Engineer shall document and maintain a record of the changes as part of this SWPPP.

d. Total Construction Area and Total Area of Earth Disturbance

The total area of the construction sites is estimated to be 1.0 acres (including on-site or off-site stockpiling of soils or storage of materials).

The total project area of the site that it is estimated to be disturbed by excavation, grading, or other earth disturbing activities is 1.0 acres.

e. Runoff Coefficients

The following estimates are provided for the construction site:

Percentage impervious area before construction: 0%
Runoff coefficient before construction: 0.30
Percentage impervious area after construction: 0%
Runoff coefficient after construction: 0.30

f. Soil Characteristics

No report.

g. Topography and Drainage

A description of the existing drainage patterns and topographic features relative to their impact on erosion and sediment control is summarized below:

The existing drainage system consists of closed storm sewers and series of ditches and swales. Discharges into Addison Creek from storm sewers and swales are not impacted by the proposed work.

h. Drainage System Ownership

The drainage systems which receive stormwater discharge from the project are owned by the Village of Franklin Park, City of Northlake and the Illinois Tollway.

i. Site Maps

The plan documents identified below, hereby incorporated by reference, contain site map(s) indicating drainage patterns and approximate slopes anticipated after major grading activities, areas of major soil disturbance, location(s) of proposed soil stockpiles or material storage locations, the location of major structural and nonstructural erosion and sediment controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands), and locations where stormwater is discharged from the project to a surface water. These include:

1. Proposed Erosion Control Schedule, Plan and Detail ES-01, EC-01 and ED-01

j. Receiving Waters and Wetland Acreage

The primary streams and/or tributaries which receive runoff from the site are:

- *Silver Creek*
- *Addison Creek*
- *Addison Creek Tributary*

Sheet EC-01 highlights Wetland #69, FID 98 detention basin, with an area of 0.32 acres. This marsh occurs at the west end of Melrose Ave, approximately 69 m (225 ft) north of the north end of Rhodes Ave. Dominant hydrophytic vegetation, hydric soils and wetland hydrology were present. Therefore, we determined that the site is a wetland. The site occupies 0.131 ha (0.324 ac) and is entirely within the project corridor. This site was not identified by the NWI. It is isolated. The mean C value (mCv) was 1.6 and the FQI was 4.6, indicating very low natural quality. This site provides surface water storage.

k. 303(d) Listed Receiving Waters

The Addison Creek (GLA-04) is listed on the 2018 IEPA 303(d) list as impaired for the following:

- Aesthetic Quality: Bottom Deposits
- Aesthetic Quality: Phosphorus (Total)
- Aesthetic Quality: Visible Oil
- Aquatic Life: alpha.-BHC
- Aquatic Life: Copper
- Aquatic Life: Hexachlorobenzene
- Aquatic Life: Phosphorus (Total)
- Aquatic Life: Polychlorinated biphenyls
- Aquatic Life: Sedimentation/Siltation

The Silver Creek (GM-01) is listed on the 2018 IEPA 303(d) list as impaired for the following:

- Aesthetic Quality: Debris/Floatables/Trash
- Aesthetic Quality: Visible Oil
- Aquatic Life: Oxygen, Dissolved

l. Receiving Waters with Total Maximum Daily Load (TMDL)

There is no IEPA-established or approved TMDL published for the receiving water(s) listed in Section 1.j.

m. Site Features and Sensitive Areas to be Protected

Sensitive environmental resources or site features on or adjacent to the project site that will have the potential to be impacted by the proposed construction and are to be protected and/or remain undisturbed are identified below. These may include but are not limited to steep slopes, highly erodible soils, wetlands, streams and other waterways, existing natural buffers, specimen trees, natural and mature vegetation, nature preserves, floodplains, bioswales, threatened or endangered species, and historic/archaeological resources.

All unimpacted wetlands within the ROW and wetlands located adjacent to the ROW are to be protected during construction. Super Silt Fence will be provided at the boundary of the wetland areas.

n. Pollutants and Pollutant Sources

The following pollutants and pollutant sources are anticipated to be associated with the project:

- ☒ Soils and Sediment
- ☒ Demolition Waste
- ☐ Paving Operation Materials and Waste
- ☐ Cleaning Products
- ☐ Joint and Patching Compounds
- ☐ Concrete Curing Compounds
- ☐ Painting Products and Wastes
- ☐ Sandblasting Materials and Waste Products
- ☒ Landscaping Materials and Wastes
- ☒ Soil Amendments and Stabilization Products
- ☐ Building Construction Materials and Wastes
- ☒ Vehicle and Equipment Fluids
- ☐ Building Construction Materials and Wastes
- ☒ Portable Toilet Wastes
- ☐ Litter and Miscellaneous Solid Waste
- ☐ Glues, Adhesives, and Sealants
- ☒ Contaminated Soils
- ☐ Dust Palliative Products
- ☐ Other (specify):
- ☐ Other (specify):
- ☐ Other (specify):
- ☐ Other (specify):

o. Applicable Federal, State or Local Requirements

Procedures and requirements specified in applicable sediment and erosion control site plans or storm water management plans approved by local officials, or are required by Federal or State regulatory agencies are described below:

- The management practices, controls, and other provisions provided in the SWPPP are at least as protective as the requirements contained in the Illinois Urban Manual.

- The State of Illinois procedures and standards for urban soil erosion and sediment that are applicable to protecting surface waters, upon submittal of the Notice of Intent to authorize discharges under the ILR10 permit, are incorporated by reference and are enforceable under the permit even if they are not specifically included in the plan. Any additional BMPs which are required beyond those specified herein and/or shown on the Erosion and Sediment Control Plans shall also meet the requirements of the Illinois Urban Manual.
- The proposed improvements comply with FAA Advisory Circular (AC) No. 150/5200-338, Hazardous Wildlife Attractants on or near

Airports (dated August 28, 2007). Specific requirements pertaining to stormwater management facilities, wetland mitigation, and landscaping were coordinated with and confirmed by the FAA and the U.S. Department of Agriculture - Animal and Plant Health Inspection Service (USDAAPHIS). The principal criteria include no new wildlife attractants (e.g., open water, wetlands, or vegetation attractive to wildlife) within five miles of the airport.

- The project is subject to the requirements of the Cook County Stormwater Management Plan of the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC), effective July 10, 2014. Coordination and compliance with MWRDGC personnel directives is required.

- The project is entirely located within the existing Illinois Tollway ROW. There are no local Municipal Separate Storm Sewer System (MS4) requirements applicable to the contract.

2. Controls.

This section of the plan addresses the various controls that will be implemented for each of the major construction activities described in 1.b. above. For each measure discussed, the contractor that will be responsible for its implementation as indicated. Each such contractor has signed the required certification on forms which are attached to, and are part of, this plan.

The Erosion and Sediment Control Plan Sheet ***EC-01*** included in the Contract Documents define the size and location of the measures to be installed during the construction of this project.

a.Stabilization Practices

Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavation or other earth disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. Stabilization of disturbed areas must be initiated within 1 working day of permanent or temporary cessation of earth disturbing activities and shall be completed as soon as possible but not later than 14 days from the initiation of stabilization work in an area. Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.

Where shown on the Contract Plans, Same-Day Stabilization shall be utilized to reduce the movement of soils once they are exposed by the Contractor's operations. Same-Day Stabilization is to be implemented after the initial perimeter controls are in place and concurrently with the Contractor's daily operations. In this case, the work zone must be left in such condition that the grading areas disturbed that day are stabilized, and measures are in place to control sediment laden stormwater.
The Engineer may also direct the Contractor to provide Same-Day Stabilization to critical disturbed areas where there is a risk that sediment

laden runoff may occur. When directed by the Engineer, Same-Day Stabilization of specified areas shall commence the same day as directed and shall be completed no later than 24 hours after receipt of such direction.

Same-Day Stabilization may consist of either temporary erosion control measures or the permanent landscaping indicated on the Contract Plans. When permanent landscaping is not possible, due either to construction staging or site constraints, Same-Day Stabilization shall consist of temporary erosion control measures.

Provided below is a description of interim and permanent stabilization practices, including site-specific scheduling of the implementation of the practices and the locations for use. Site plans should ensure that existing vegetation is preserved where practicable and disturbed portions of the site are stabilized.

The following stabilization practices will be used for this project:

- ☒ Temporary Stabilization with Straw Mulch
- ☐ Same-Day Stabilization
- ☐ Erosion Control Blanket
- ☐ Temporary Seeding
- ☐ Permanent Seeding
- ☐ Tree Protection Fence
- ☐ Mulching
- ☐ Geotextiles
- ☐ Sod
- ☐ Vegetative Buffer
- ☐ Staged or Staggered Development
- ☒ Dust Control Watering
- ☒ Dust Suppression Agents
- ☐ Soil Stockpile Management
- ☐ Other (specify):
- ☐ Other (specify):
- ☐ Other (specify):
- ☐ Other (specify):

b. 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. Included in the description is the site-specific scheduling of the implementation of the practices and the locations for their use.

The following structural practices will be used for this project:

- ☒ Silt Fence
- ☒ Super Silt Fence
- ☒ Temporary Ditch Checks
- ☐ Temporary Rock Check Dams
- ☐ Filter Fabric Inlet Protection, Basket Type
- ☐ Filter Fabric Inlet Protection, Cover Type
- ☐ Rectangular Inlet Protection
- ☐ Culvert Inlet Protection Fence
- ☒ Culvert Inlet Protection Stone
- ☐ Sediment Traps
- ☐ Sediment Basins
- ☐ Temporary Pipe Slope Drains
- ☐ Temporary Stream Crossings
- ☒ Stabilized Construction Entrances
- ☒ Temporary Riprap
- ☐ Temporary Swales
- ☐ Temporary Channel Diversion
- ☐ Diversion Dike
- ☒ Sediment Filter Bag
- ☐ Dewatering Basin
- ☐ Flotation Boom
- ☐ Other (specify):
- ☐ Other (specify):
- ☐ Other (specify):
- ☐ Other (specify):

Description of Structural Practices

Initial Construction

Temporary ditch checks will be installed along existing ditches for sediment and erosion control as the initial activity.

Install temporary construction entrances.

Erect silt fences and super silt fences as shown on the plans.

During Construction

Stripping of existing vegetation and topsoil and all grading operations will be conducted in a manner that limits the amount of exposed area at any one time.

When disturbed areas are finished to final grade they will be stabilized with Temporary Stabilization with Straw Mulch.

Dust Control Watering and Street Cleaning/Sweeping shall be completed on an as needed basis in accordance with the Tollway

Supplemental Specifications.

Post Construction

Once grading is completed, permanent seeding and erosion control blankets will be applied to disturbed areas.

All temporary erosion and sediment controls shall be removed and the affected areas shall be restored.

c. Treatment Chemicals

The use of polymer flocculants or other chemical to treat stormwater runoff on the project are not planned or anticipated.

d. Permanent Storm Water Management Controls

No permanent storm water management controls will be installed as part of the project.

e. Pollution Prevention

The following pollution prevention measures will be implemented to minimize the exposure of products or materials to precipitation and stormwater and minimize the discharge of pollutants on the project site:

- Vehicle/Equipment Storage, Cleaning and Maintenance. Construction vehicles will be inspected frequently to identify any leaks, which will be repaired immediately, or the vehicle will be removed from site. If minor vehicle/equipment maintenance must occur on site, repairs and maintenance will be made within an approved staging or storage area, or other approved location, to prevent the migration of mechanical fluids to watercourses, wetlands or storm drains. Spill response equipment shall be readily available when performing any vehicle or equipment maintenance. When not in use, vehicles and equipment utilized for construction operations will be staged outside of the regulatory floodplain and away from any natural or created watercourses, ponds, drainage-ways or storm drains. Cleaning of vehicles and equipment is discouraged and will be performed only when necessary to perform repairs or maintenance. Cleaning of vehicles and equipment with soap, solvents or steam shall not occur on the project. Vehicle and equipment wash water shall be contained for percolation or evaporative drying away from storm drain inlets or watercourses.

- Prohibited Discharges. The following non-storm water discharges are prohibited: concrete and wastewater from washout of concrete (unless managed by an appropriate control), wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials, fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance, soaps, solvents, or detergents, toxic or hazardous substances from a spill or other release, or any other pollutant that could cause or tend to cause water pollution.

- Material Delivery and Storage. The following procedures and practices for the proper handling, delivery, and storage of products and construction materials will be followed to reduce the risk of spills or other accidental exposure of materials and substances to stormwater runoff:

  - Fuel, oils, hydraulic fluids, and other petroleum products shall be stored under cover or in a containment area.
  - Locate chemical and material storage areas away from low elevation areas, drainage areas, and stream banks, and outside the 100-year floodplain. Provide readily available Safety Data Sheets for all materials used or stored on the project site.
  - Ensure access is available to storage areas to allow for spill clean-up and emergency response.
  - Maintain temporary containment facilities in a condition free of accumulated rainwater and spills.
  - Store materials in their original containers and maintain the original product labels in place and in a legible condition. Replace damaged or otherwise illegible labels immediately.
  - Keep ample supply of appropriate spill clean-up material near storage areas.
  - Minimize the material inventory stored on-site to the extent practical.
  - All materials stored on site will be stored in a neat, orderly manner in their appropriate containers.
  - Substances will not be mixed with others unless recommended by the manufacturer.
  - The Contractor will inspect storage areas daily to ensure proper use and disposal of materials on-site.
  - Whenever possible, all product will be used before disposing of the container.
  - Manufacturer's recommendations for proper use and disposal will be followed.
  - If surplus product must be disposed of, manufacturer's or local and state recommended methods for proper disposal will be followed.
  - Keep an accurate, up-to-date inventory of material delivered and stored onsite.
  - Have employees trained in emergency spill clean-up procedures present when dangerous materials or liquid chemicals are unloaded.

- Repair or replace perimeter controls, containment structures, covers, and liners as needed to maintain proper function.

- Spill Response. The following practices will be followed to minimize, control and respond to spilled material:

  - The Contractor shall prepare and implement a Spill Prevention and Control Plan.

  - Manufacturer's recommended methods for spill cleanup will be clearly posted, and site personnel will be made aware of the procedures and location of the information and cleanup supplies.

  - Materials and equipment necessary for spill cleanup will be kept in the material storage area(s) and shall be appropriate for the materials stored.

  - All spills will be cleaned up immediately after discovery.

  - The Contractor will dispose of used clean-up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose, in accordance with all applicable laws, rules, and regulations.

  - Spills of toxic or hazardous material will be reported to the appropriate state or local government agency, regardless of size.

  - In the event of any spills, the Spill Prevention and Control Plan will be adjusted to include additional measures to prevent the type of spill from recurring.

  - The Contractor shall be responsible for day-to-day operations and will designate a Spill Prevention and Cleanup Coordinator (Coordinator). The Coordinator will designate at least two (2) 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, listed below, will be posted in the material storage area and in the office trailer on-site.

Spill Prevention and Cleanup Coordinator:

Printed Name	Contractor Name
Ben Kelderhouse	Integrity Environmental

Additional Trained Spill Prevention and Response Personnel:

Printed Name	Contractor Name
Kevin O'Leary	John Burns
Steve Volz	John Burns

f. Other Controls

Practices to prevent the discharge of pollutants to the storm drain system or to watercourses as a result of the creation, collection, and disposal of wastes are as follows:

- Solid Wastes. No solid materials, shall be discharged into Waters of the U.S., except as authorized by a Section 404 permit. Solid waste storage areas shall be located at least 50 feet from drainage facilities and watercourses and outside of areas prone to flooding or ponding. Designate waste storage areas and provide dumpsters of sufficient size and number with lids to contain the solid waste generated by the project. In addition, provide trash receptacles in laydown yards, field trailer areas or at locations where workers congregate for lunch and break periods. Non-salvageable solid waste shall be disposed in accordance with all laws, rules, and applicable regulations.

- Sanitary Waste Materials. The Contractor shall not create or allow unsanitary conditions. All personnel involved with construction activities must comply with state and local sanitary or septic system regulations. Temporary sanitary facilities will be provided at the site throughout the construction phase. They must be utilized by all construction personnel and serviced by a commercial operator to maintain function and prevent unsanitary conditions. Portable toilets must be securely anchored and are not allowed within 30 feet of stormwater inlets or within 50 feet of a Water of the U.S.

- Concrete Dust Particles: Dust particles and other fine materials generated due to the use of rubblized or recycled concrete as roadway base, must be removed from stormwater prior to the water discharging outside of Illinois Tollway ROW. This material can be removed via vegetated ditches if there is enough time and space for removal prior to the discharge of the stormwater outside the ROW. For those areas where there is not enough space and time for vegetative remediation, other methods for removing said materials will be identified. For

construction areas adjacent to creeks and streams, the stormwater's pH must also be moderated prior to discharge.

- Special BMPs designed to remove concrete or limestone dust particles from stormwater runoff in contact with recycled or rubblized concrete underpavement must be removed once the stormwater discharging from the site is determined to be clean. This is often several months following completion of the project. The Contractor may have to return to the project area following project completion to remove these BMPs and restore the affected work area.

- Hazardous Material Spill Response Wastes. The Contractor shall include as part of their Spill Prevention and Control Plan a description of the procedures for the storage and disposal of regulated hazardous or toxic waste, spill response procedures, and provisions for reporting if there are releases in excess of reportable quantities.

- Stormwater shall not be impacted by the removal of non-hazardous wastes.

g. Natural Buffers

There are no Waters of the United States, including existing natural buffers, within the project limits or within 100 feet of the project boundaries.

3. Maintenance.

The following is a description of procedures that will be used to maintain, in good and effective operating conditions, vegetation, erosion and sediment control measures and other protective measures identified in this plan:

- Erosion and Sediment Control Manager (ESCM): The Contractor shall assign an ESCM to the project. This person is required to have taken an approved sediment and erosion control training course. The ESCM will be responsible for supervising the maintenance of Erosion & Sediment Control measures and implementation of this plan.

- Temporary Ditch Checks: Remove sediment from upstream side of ditch checks when sediment has reached 50% of height of structure. Repair or replace ditch checks whenever tears, splits, unraveling or compressed excelsior is apparent. Replace torn fabric mat that may allow water to undermine ditch check. Remove debris (garbage, crop residue, etc.) when observed. Reestablish the flow over the center of the ditch check. Water or sediment going around the ditch check indicates incorrect installation, device needs lengthening, or the selected device is inappropriate for site conditions. Remove ditch checks once all upslope areas are stabilized and seed or otherwise stabilize temporary ditch check areas.

- Super Silt Fence: Repair tears, gaps or undermining. Restore leaning silt fence and ensure taut. Repair or replace any missing or broken stakes immediately. Clean fence line if sediment reaches one-third height of barrier. Remove fence once final stabilization is established. Repair fence if undermining occurs anywhere along its entire length.

- Solid Waste Management: Designate a waste collection area(s) and identify them in the SWPPP. Inspect inlets, outfalls and drainage ways for litter, debris, containers, etc. Observe the construction site for improper waste disposal. Update the SWPPP any time the trash management plan significantly changes. Correct items discarded outside of designated areas.

- Vehicle and Equipment Fueling, Cleaning and Maintenance: Cleanup spills immediately. Contractor must provide documentation that spills were cleaned, materials disposed of, and impacts mitigated. Update the SWPPP when designated location has been removed, relocated, added or requires maintenance. In the event of a spill into a storm drain, waterway or onto a paved surface, the owner of the fuel must immediately take action to contain the spill. Once contained, clean up the spill. As an initial step this may involve collecting any bulk material and placing it in a secure container for later disposal. Follow-up cleaning will also be required to remove residues from paved or other hard surfaces.

4. Inspections and Corrective Actions.

The Engineer will be responsible for conducting inspections along with the Contractor's ESCM. A maintenance inspection report will be completed after each inspection. A copy of the report form will be completed by the Engineer and Contractor and will be maintained on site.

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 inspection shall be conducted at least once every seven (7) calendar days and within 24 hours of the end of a storm or by the end of the following business or work day that is 0.5 inches or greater or the equivalent snowfall. Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions. Weekly inspections shall recommence when construction activities are resumed, or if there is a 0.50 inches or greater rain event, or a discharge due to snowmelt occurs.

a. Disturbed areas and areas used for storage of wastes, equipment, and materials shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. All locations where stabilization measures have been implemented shall be observed to ensure that they are still stabilized. 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. Locations where vehicles enter or

exit the site shall be inspected for evidence of offsite sediment tracking. If repair is necessary, it will be initiated within 24 hours of the completion of the inspection report.

If the inspections determine concrete fines are discharging as a result of roadway reconstruction, the Contractor must ensure that the discharge does not exit the right-of-way. The Engineer will immediately test the pH levels of the affected discharge runoff to determine the average pH levels. Where pH levels exceed 9.0, the Engineer will recommend remediation strategy to reduce the alkalinity to acceptable levels before allowing to exit the right-of-way or discharge to environmentally sensitive locations.

b. Based on the results of the inspection, the description of potential pollutant sources identified in Section 1 above, and pollution prevention measures identified in Section 2 above, the Storm Water Pollution Prevention Plan shall be revised as appropriate as soon as practicable after such inspection to minimize discharges. Any changes to this plan resulting from the required inspections shall be implemented within seven (7) calendar days following the inspection.

c. A report summarizing the scope of the inspection, name(s), 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.b. above shall be made and retained as part of the plan for at least three (3) years after the date of the inspection. The report shall be signed by the Contractor and the Engineer.

d. For any violation of the SWPPP observed during any inspection conducted, including those not required by the plan, and any illicit discharge (defined as any discharge that is not composed entirely of storm water) exiting the right-of-way or to receiving waters, the Engineer will immediately report the incident to the Illinois Tollway Environmental Unit and shall be submitted electronically on the Incidence of Non-Compliance (ION) forms provided by IEPA within 12 hours.

Reports of violations of the SWPPP or illicit discharges shall be reported to the Illinois Tollway Environmental Unit at environment@getipass.com. For additional inquiry, contact (630) 241-6800 ext. 4222. The Illinois Tollway Environmental Unit will coordinate any potential violations directly with the IEPA. In addition, the Engineer will provide a written submission to the Illinois Tollway Environmental Unit and the project files within 5 days summarizing the incident(s) and actions taken.

e. Corrective action shall be taken to address any of the following conditions if identified at the site: a stormwater control needs repair or replacement; a stormwater control necessary to comply with the requirements of this permit was never installed or was installed incorrectly; or discharges are causing an exceedance of applicable water quality standards; or a prohibited discharge has occurred.

Corrective actions shall be completed as soon as possible and documented within 7 days of the non-compliance in an inspection report. If it is infeasible to complete the installation or repair within seven (7) calendar days, the inspection report(s) will describe the conditions contributing to the infeasibility to complete the installation or repair within the 7-day timeframe and document the schedule for installing the stormwater control(s) and making them operational as soon as feasible after the 7-day timeframe.

5. Non-Storm Water Discharges.

The following allowable non-stormwater discharges may combine with stormwater discharges that are treated by the measures included in this plan and are anticipated on the project:

Allowable Non-Stormwater Discharges	**Likely to be Present on the Site**	
	Yes	**No**
Waters used to wash vehicles where detergents are not used	☒	☐
Waters used to control dust	☒	☐
Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless spilled materials have been removed) and where detergents are not used	☐	☒
Landscape irrigation drainages	☐	☒
Uncontaminated groundwater or spring water	☐	☒
Foundation or footing drains where flows are not contaminated with process materials, such as solvents	☒	☐
Potable water sources including uncontaminated water main or fire hydrant flushing water	☒	☐
Discharges from dewatering of trenches and excavations if managed by appropriate controls	☒	☐

For each allowable non-stormwater discharge anticipated on the project, the measures which will be used to eliminate or reduce the non-stormwater component of the discharge are described below:

- Discharge operations must be directed through an appropriate pollution revention/treatment measure, such as a sediment filter bag, sediment trap or sediment basin prior to being discharged from the site or into Waters of the U.S. Under no circumstances are discharges from dewatering operations to be discharged directly into streams, rivers, lakes or other areas beyond the permitted project area. Likewise, discharges into storm sewer systems that do not drain to a suitable onsite treatment facility, such as a basin, are also prohibited. To the extent feasible, vegetated areas of the site shall be used to infiltrate dewatering water before discharge.

  Discharges from operations shall be conducted in a manner sufficient to prevent erosion and minimize sediment from the discharge to the maximum extent practical. Dewatering discharges shall also be treated or controlled

to minimize discharges of pollutants and shall not include visible floating solids or foam, oil, grease, or other similar products.

Discharges shall be a stable surface using an aggregate leveling pad and secondary containment in accordance with Illinois Tollway standards. Discharge shall be no more turbid that the receiving water and will be immediately stopped if the receiving water shows signs of cloudy water, erosion, or sediment accumulation.

6. Contractor Inventory of Hazardous Materials and Substances.

The materials or substances listed below are expected to be present on site during construction (use additional pages, as necessary). **To be filled in by Contractor.**

7. Contractor Required Submittals.

The Contractor and any subcontractor responsible for compliance with the provisions of the SWPPP shall provide, as an attachment to their signed Contractor Certification Statement, a narrative description of how they will comply with the requirements of the SWPPP with regard to the following items:

- Stabilized Construction Entrances: Identify the location(s) of stabilized construction entrances to be used and provide a description of how they will be maintained. Indicate if any changes to the suggested locations (if any) shown on the plans are proposed.

- Vehicle Entrance and Exits: Identify the location of stabilized construction entrances and exists to be used and provide a description of how they will be maintained.

- Material Delivery, Storage and Use: Discuss where and how materials including chemicals, concrete curing compounds, petroleum products, etc. will be stored to prevent spills.

- Solid Waste Management and Disposal: Discuss the procedures to be used to contain and the method of disposal for construction waste and litter.

- Sanitary Waste: Discuss how sanitary wastes will be contained and disposed along with the locations of portable restroom facilities. A schedule of maintenance shall be provided.

- Spill Response and Control: Provide a Spill Prevention and Control Plan describing the steps that will be taken to respond to, control, and report chemical or petroleum spills which may occur. Procedures to address spills in excess of RCRA reportable quantities must be provided.

- Vehicle and Equipment Cleaning and Maintenance: Discuss where vehicle and equipment cleaning and maintenance will be performed and the BMPs that will be used for spill containment and spill prevention, containment, and treatment of wash waters.

- Dewatering: Provide a Dewatering Work Plan for excavation activities that encounter groundwater or other water that needs to be removed from the construction area. The plan must detail a system that will remove sediments and other pollutants (if present) from the water prior to discharge. The plan shall be submitted and approved prior to the commencement of dewatering activities.

In addition to the above, the Contractor is required to provide the following submittals to demonstrate compliance with the Illinois Tollway Supplemental Specifications and any federal or state environmental permits:

- Dust Control Plan pursuant to Article 107.36 of the Illinois Tollway Supplemental Specifications. The plan shall be submitted and approved prior to commencement of earth disturbing work activities.

- Erosion and Sediment Control Schedule pursuant to Article 280.02 of the Illinois Tollway Supplemental Specifications. The schedule shall be submitted and approved prior to commencement of earth disturbing work activities.

- Work Plan which meets the requirements of the USACE. The plan shall be submitted to the Engineer and approved prior to the commencement of work subject to the Section 408 permit.

The above submittals shall be incorporated by reference and become part of the SWPPP.

ILLINOIS TOLLWAY CERTIFICATION STATEMENT

This certification statement is a part of the Storm Water Pollution Prevention Plan for the project described below, in accordance with NPDES Permit No. ILR10, issued by the Illinois Environmental Protection Agency.

Project Information:

Route Tri-State Tollway Marked I-294

Section M.P. 32.90 to M.P. 36.30 Project No. I-20-4512

County Cook

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.

Prepared By: Alfred Benesch & Company
DESIGN SECTION ENGINEER

By: Ryan M. Thady, P.E. / Project Manager
Name/Title

Dated: 7/20/2020

OWNER: ILLINOIS STATE TOLL HIGHWAY AUTHORITY

Signed: Environmental Planner
Name/Title

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is a part of the Storm Water Pollution Prevention Plan for the project described below, in accordance with NPDES Permit No. ILR10, issued by the Illinois Environmental Protection Agency.

Project Information:

Route Tri-State Tollway Marked I-294

Section M.P. 32.90 to M.P. 36.30 Project No. I-20-4512

County Cook

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit No. ILR10 that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification: That I agree to comply therewith; and that I will ensure that all Subcontractors working on the subject project understand and comply with said permit.

Chris Lewis 7-16-20

Signature Date

Project MANAGER

Title

JOHN BURNS CONSTRUCTION

Name of Firm

17601 Southwest Hwy

Street Address

Orland Park, IL 60467

City State Zip Code

708.638.2405

Telephone Number

ATTACHMENT _____

Note: CONTRACTOR TO COMPLETE

Prepare additional signature pages as needed if the responsibilities of the storm water pollution prevention plan are split between contractors. - specify which item(s) these sub-contractors assume responsibility for.

CONTRACTOR CERTIFICATION STATEMENT

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Project Information:

Route Tri-State Tollway Marked I-294

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County Cook

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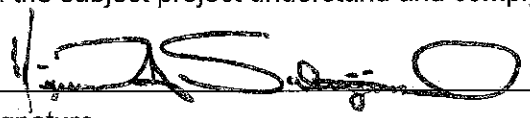

7/13/2020

Signature Date

President

Title

Industrial Fence Inc.

Name of Firm

1300 S. Kilbourn Ave

Street Address

Chicago IL 60623

City State Zip Code

773-521-9900

Telephone Number

ATTACHMENT _____

Note: CONTRACTOR TO COMPLETE

Prepare additional signature pages as needed if the responsibilities of the storm water pollution prevention plan are split between contractors. - specify which item(s) these sub-contractors assume responsibility for.

CONTRACTOR CERTIFICATION STATEMENT

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Section M.P. 32.90 to M.P. 36.30 Project No. I-20-4512

County Cook

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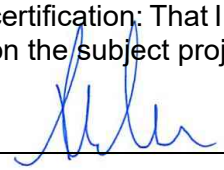

7/13/2020

Signature Date

VICE PRESIDENT

Title

ARGO CONSTRUCTION, LLC

Name of Firm

13655 MAIN STREET

Street Address

LEMONT	ILLINOIS	60439
City	State	Zip Code

630-272-8199

Telephone Number

ATTACHMENT _____

Note: CONTRACTOR TO COMPLETE

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[signature] 7/14/2020

Signature Date

Secretary

Title

McGinty Bros, Inc

Name of Firm

3744 Cuba Road

Street Address

Long Grove IL 60047

City State Zip Code

847-438-5161

Telephone Number

ATTACHMENT _____

Note: CONTRACTOR TO COMPLETE

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Signature 7/13/2020 Date

President
Title

C3 Corporation
Name of Firm

822 N. 129th Infantry Dr #105
Street Address

Joliet Illinois 60435
City State Zip Code

815.725.4500
Telephone Number

ATTACHMENT _____

Note: CONTRACTOR TO COMPLETE

Prepare additional signature pages as needed if the responsibilities of the storm water pollution prevention plan are split between contractors. - specify which item(s) these sub-contractors assume responsibility for.

CONTRACTOR CERTIFICATION STATEMENT

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Route Tri-State Tollway Marked I-294

Section M.P. 32.90 to M.P. 36.30 Project No. I-20-4512

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7/8/2020

Signature Date

Managing Partner

Title

Elite Fiber Optics LLC

Name of Firm

10029 Pacific Ave

Street Address

Franklin Park IL 60131

City State Zip Code

630-225-9454

Telephone Number

ATTACHMENT _____

Note: CONTRACTOR TO COMPLETE

Prepare additional signature pages as needed if the responsibilities of the storm water pollution prevention plan are split between contractors. - specify which item(s) these sub-contractors assume responsibility for.

CONTRACTOR CERTIFICATION STATEMENT

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Section M.P. 32.90 to M.P. 36.30 Project No. I-20-4512

County Cook

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Mike Achter 7-9-2020

Signature Date

President

Title

Precision Boring Inc.

Name of Firm

40 Noll St

Street Address

Waukegan IL 60085

City State Zip Code

847-782-0672

Telephone Number

ATTACHMENT _____

Note: CONTRACTOR TO COMPLETE

Prepare additional signature pages as needed if the responsibilities of the storm water pollution prevention plan are split between contractors. - specify which item(s) these sub-contractors assume responsibility for.

CONTRACTOR CERTIFICATION STATEMENT

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Route Tri-State Tollway Marked I-294

Section M.P. 32.90 to M.P. 36.30 Project No. I-20-4512

County Cook

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E R Bakey 10 July 2020

Signature Date

PRESIDENT

Title

E.R. BAKEY INC

Name of Firm

180 S. WESTERN AVE #158

Street Address

CARPENTERSVILLE IL 60110

City State Zip Code

847.464.5760

Telephone Number

ATTACHMENT _____

Note: CONTRACTOR TO COMPLETE

Prepare additional signature pages as needed if the responsibilities of the storm water pollution prevention plan are split between contractors. - specify which item(s) these sub-contractors assume responsibility for.

CONTRACTOR CERTIFICATION STATEMENT

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Project Information:

Route	Tri-State Tollway	Marked	I-294
Section	M.P. 32.90 to M.P. 36.30	Project No.	I-20-4512
County	Cook		

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Pam Ackurne — 7/13/2020

Signature — Date

President

Title

Work Zone Safety, Inc.

Name of Firm

17051 Gayland Road

Street Address

Crest Hill IL 60468

City — State — Zip Code

815-834-0429

Telephone Number

ATTACHMENT _____

Note: CONTRACTOR TO COMPLETE

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CONTRACTOR CERTIFICATION STATEMENT

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MARK J. RAVANESI 7.13.20

Signature Date

PRESIDENT

Title

INTEGRITY ENVIRONMENTAL SERVICES, INC.

Name of Firm

1240 IRQUOIS DRIVE, STE. 102

Street Address

NAPERVILLE IL. 60563

City State Zip Code

630-715-9133

Telephone Number

NOTE: PROFESSIONAL ENVIRONMENTAL SERVICES FIRM (NOT A CONTRACTOR)

ATTACHMENT _____

Note: CONTRACTOR TO COMPLETE

Prepare additional signature pages as needed if the responsibilities of the storm water pollution prevention plan are split between contractors. - specify which item(s) these sub-contractors assume responsibility for.

EROSION AND SEDIMENT CONTROL SCHEDULE & NOTES

	SILT FENCE	TEMPORARY DITCH CHECKS	SEDIMENT FILTER BAG	TEMPORARY RIPRAP	TEMPORARY STABILIZATION WITH STRAW MULCH
	JS280050	JS280305	JT280500	JS280140	JS280150
SHEET NO.	FOOT	FOOT	EACH	TON	ACRE
EC-01	800	24	1	11	0.25
TOTAL	800	24	1	11	0.25

EROSION CONTROL NOTES

1. FOR EROSION AND SEDIMENT CONTROL GENERAL NOTES, SEE STANDARD DRAWING K1-08, SHEET 1.
2. A QUANTITY FOR TEMPORARY STABILIZATION WITH STRAW MULCH (ITEM JS280150) HAS BEEN PROVIDED FOR ALL ANTICIPATED DISTURBED AREAS.
3. WHEN PERMANENT LANDSCAPING IS NOT POSSIBLE IN "SAME DAY STABILIZATION" AREAS, ITEM JS280150 SHALL BE USED FOR SAME DAY STABILIZATION.
4. STABILIZED CONSTRUCTION ENTRANCES ARE SHOWN AT SUGGESTED LOCATIONS, AN ALLOWANCE HAS ALSO BEEN PROVIDED FOR PLACING AND MAINTAINING ADDITIONAL ENTRANCES.
5. PER STANDARD DRAWING K1-08, CULVERT INLET PROTECTION STONE TO BE MEASURED AND PAID FOR AS TEMPORARY RIPRAP.
6. THE CONTRACTOR SHALL CONFINE CONSTRUCTION ACTIVITIES WITHIN THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS. AREAS OUTSIDE THE SHOWN CONSTRUCTION LIMITS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED AND STABILIZED AS DIRECTED BY THE ENGINEER AT THE CONTRACTORS EXPENSE.
7. SHOULD IT BE NECESSARY TO REMOVE ANY EROSION OR SEDIMENT CONTROLS FOR CONSTRUCTION REASONS, THE CONTRACTOR SHALL FIRST OBTAIN PERMISSION AND SHALL REPAIR OR REPLACE THE REMOVED CONTROLS ON THE SAME DAY. THE COST OF REMOVING AND RE-INSTALLING THE DEVISE SHALL BE INCLUDED IN THE CONTRACT.
8. THE CONTRACTOR SHALL REFER TO SECTION 280.02 OF THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS FOR PENALTIES FOR NON-CONFORMANCE.
9. THE EROSION AND SEDIMENT CONTROLS SHOWN IN THE PLANS REPRESENT THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED BY THE ENGINEER OR REPRESENTATIVES OF REGULATORY OR PERMITTING AGENCIES. ANY EMERGENCY CONTROL MEASURES REQUESTED BY A REGULATORY OR PERMITTING AGENCY MUST BE INSTALLED IMMEDIATELY.

EROSION CONTROL SEQUENCE OF CONSTRUCTION

1. REFER TO SUGGESTED PROGRESS SCHEDULE SHEET PS-01 FOR A DETAILED DESCRIPTION OF THE PROPOSED CONSTRUCTION SEQUENCE.
2. THE FOLLOWING EROSION CONTROL ARE TO BE INSTALLED PRIOR TO BEGINNING CONSTRUCTION:
   A. INSTALL TEMPORARY CONSTRUCTION ENTRANCES.
   B. ERECT SILT FENCES AND SUPER SILT FENCE AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN.
3. THE FOLLOWING EROSION CONTROL MEASURES ARE TO BE INSTALLED DURING CONSTRUCTION:
   A. INSTALL TEMPORARY DITCH CHECKS AND CULVERT INLET PROTECTION.
   B. USE OF SEDIMENT FILTER BAG AT APPLICABLE LOCATIONS.
4. WITHIN 1 DAY OF COMPLETION OF CLEARING OR GRADING, OR WITHIN 14 DAYS OF LAST DISTURBANCE, THE FOLLOWING MEASURES SHALL BE TAKEN:
   A. PROVIDE TEMPORARY STABILIZATION WITH STRAW MULCH AS SHOWN IN THE PLANS OVER DISTURBED AREAS WHERE NO FURTHER WORK IS TO OCCUR FOR 14 DAYS OR LONGER, BUT CANNOT BE STABILIZED WITH PERMANENT VEGETATIVE MEASURES. THESE AREAS SHALL BE TREATED WITH PERMANENT VEGETATIVE COVER BY OTHERS ONCE FINISH GRADING HAS BEEN COMPLETED.
   B. APPLY DUST SUPPRESSION AGENTS AND STREET CLEANING/SWEEPING SHALL BE COMPLETED ON AN AS NEEDED BASIS IN ACCORDANCE WITH THE TOLLWAY SUPPLEMENTAL SPECIFICATIONS.

EROSION CONTROL LEGEND:

TEMPORARY STABILIZATION
WITH STRAW MULCH (JS280150)

SILT FENCE (JS280050)

STABILIZED CONSTRUCTION ENTRANCE (JS280070)

CIP
CULVERT INLET PROTECTION TEMPORARY RIPRAP (JS280140)

TEMPORARY DITCH CHECKS (JS280305)

0 50 100 150
SCALE IN FEET

EX ℄ TRI-STATE TOLLWAY (I-294)

1890+00

1885+00

1895+00

EX ℄ UPRR TRK 1

EX ℄ UPRR TRK 2

105+00

205+00

SEDIMENT FILTER BAG (JT280500)

CULVERT INLET PROTECTION
TEMPORARY RIPRAP
(JS280140) - 11 TON

24" RCP

CIP

TEMPORARY STABILIZATION
WITH STRAW MULCH (JS280150)

SILT FENCE (JS280050)
800 FT

APPROXIMATE DEPTH
CBBEL

STABILIZED CONSTRUCTION
ENTRANCE (JS280070)

GARNET DR

UNION PACIFIC
RAILROAD

FID 98
DETENTION BASIN

WETLAND #69

DRAWN BY TBLANK	DATE 03/05/2020	benesch Alfred Benesch & Company 35 West Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY JMAJEWSKI	DATE 03/05/2020		

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT NO. I-20-4512

EROSION AND SEDIMENT CONTROL PLAN
STA 1883+00 TO STA 1897+50

SHT NO. EC-01

DRAWING NO.
55 OF 89

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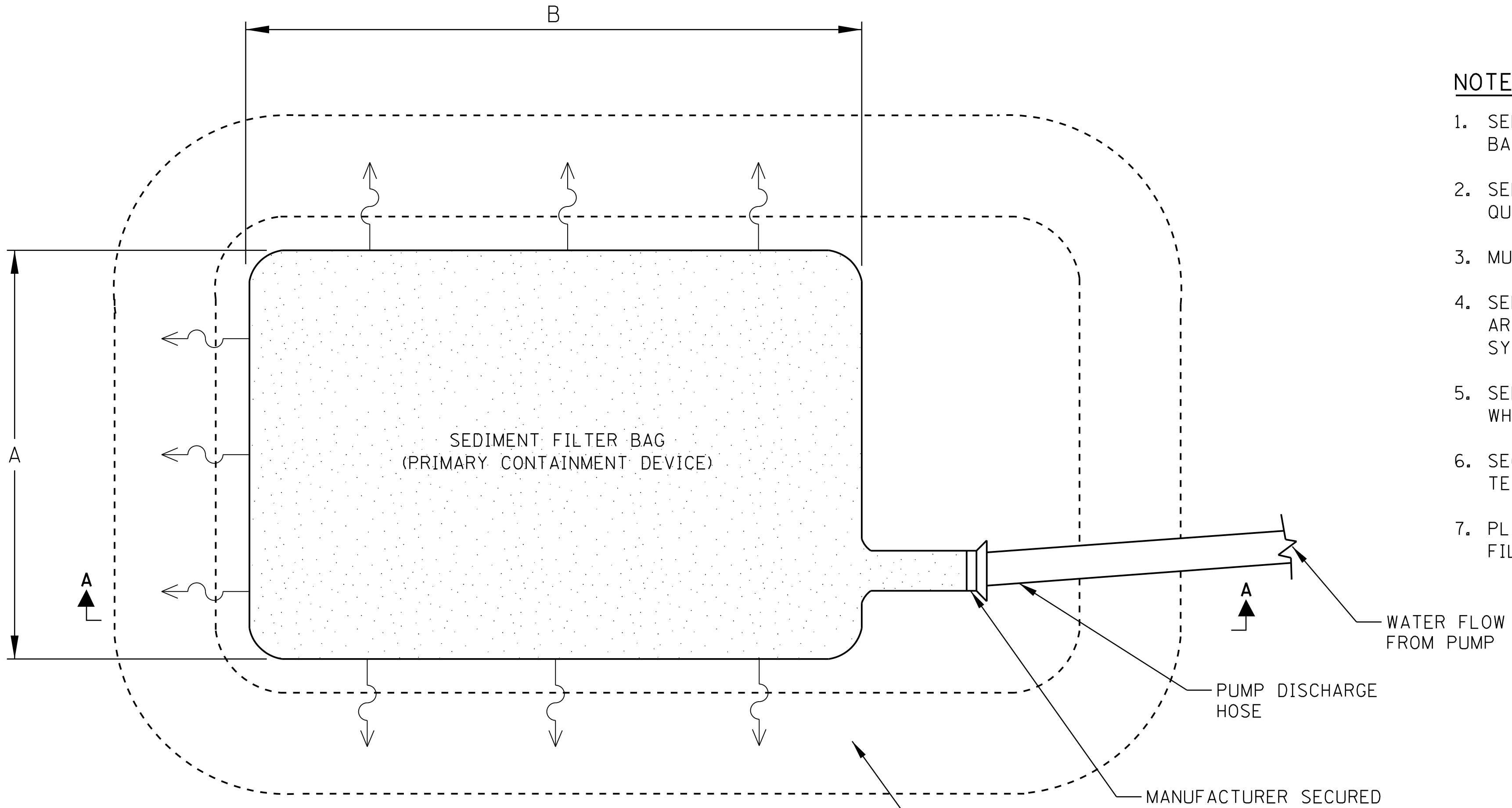
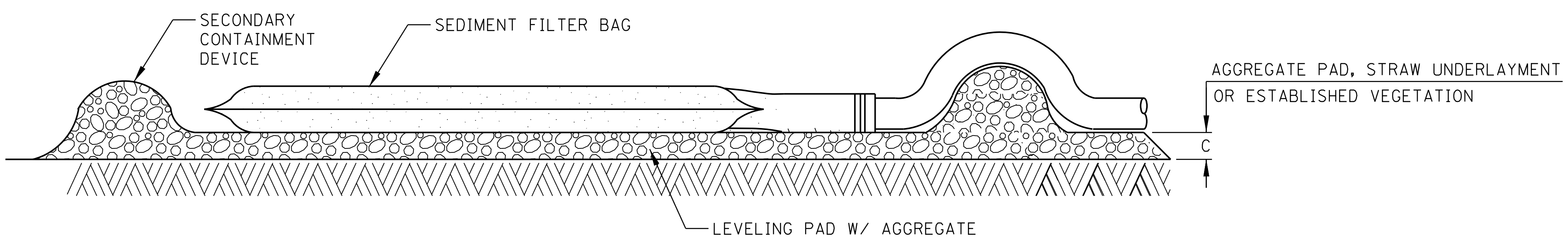


TOP VIEW

NOTES:

1. SEDIMENT FILTER BAGS TO BE CONSIDERED AN ALTERNATE FOR SITES WHERE SEDIMENT BASIN INSTALLATION IS PROBLEMATIC.
2. SEDIMENT FILTER BAGS TO BE SIZED BASED ON VOLUME OF WATER BEING PUMPED, QUANTITY AND TYPE OF SEDIMENT AND THE PERMITIVITY OF THE SPECIFIC BAG SIZE.
3. MULTIPLE DISCHARGES INTO A SINGLE BAG ARE NOT PERMITTED.
4. SEDIMENT FILTER BAG SHALL BE ORIENTATED TO DIRECT FLOW AWAY FROM CONSTRUCTION AREA AND DISCHARGE FILTERED WATER INTO APPROVED RECEIVING AREA OR CONTAINMENT SYSTEM.
5. SEDIMENT FILTER BAG SHALL BE REPLACED WHEN IT BECOMES $\frac{1}{2}$ FULL OF SEDIMENT OR WHEN THE SEDIMENT HAS REDUCED DISCHARGE FLOW RATE BELOW DESIGN REQUIREMENTS.
6. SECONDARY CONTAINMENT DEVICE SHALL BE COMPRISED OF AGGREGATE MATERIAL, TEMPORARY DITCH CHECK OR EQUIVALENT.
7. PLACE STRAPS, CROSS CHAINS, PALLETS OR OTHER LIFTING DEVICE UNDER THE SEDIMENT FILTER BAG WHEN REPLACEMENT IS ANTICIPATED.

DESIGN ELEMENTS		VALUES
STORAGE CAPACITY VOLUME	V (CU. FT.)	±300
SEDIMENT FILTER BAG WIDTH	A (FEET)	15
SEDIMENT FILTER BAG LENGTH	B (FEET)	15
PUMP FLOW RATE	X1 (GPM)	600
SEDIMENT FILTER BY FLOW RATE	X2 (GPM/SQ. FT.)	80
PUMP DISCHARGE HOSE DIAMETER	D (INCH)	4
AGGREGATE PAD	GRADATION	RR1
AGGREGATE PAD DEPTH	C (INCH)	6
STRAW UNDERLAYMENT DEPTH	C (INCH)	2



SIDE VIEW

SECTION A-A

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SEDIMENT FILTER BAG DETAIL

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