



SS 1122

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Dallas District

Guidance Document (SS 1122)

- Lists some of the main differences between previous specifications used and newly implemented SS 1122.
- The Contractor must sign a Contractor Certification of Compliance.
- Contractor must designate a Contractor Responsible Person Environmental (CRPe) in writing.
- Contractor must complete training as outlined in SP 1122-001.
- The CRPe and the Engineer's representative must periodically complete the Construction Stage Gate Checklist
- Silt Fence and Erosion Control Logs now have Installation and Removal pay items
- Removal of silt from BMP's will be paid under Contractor Force Account Work item.

GUIDANCE DOCUMENT

For Special Specification 1122, "Temporary Erosion, Sedimentation, and Environmental Controls"

I. General.

This specification allows for installing, maintaining, and removing environmental control measures. The control measures are defined as Best Management Practices (BMPs) used to prevent or reduce the discharge of pollutants.

The Contractor must sign a Contractor Certification of Compliance. By signing the certification the Contractor certifies they have read and understand the project's Storm Water Pollution Prevention Plan (SWPP) as provided in the plans and the Texas Pollutant Discharge Elimination System (TPDES) General Permit TXR150000. The contractor also certifies they are solely responsible for any penalties associated with non-performance of implementation or maintenance activities required for compliance. This certification must be signed and given to the Engineer before any earthwork operations are performed. It is preferred the certification be collected at the preconstruction conference.

II. Qualifications, Training, and Employee Requirements.

The Contractor must designate in writing a Contractor Responsible Person Environmental (CRPe). The CRPe will have overall responsibility for the storm water management program and administer training to employees.

The Contractor must provide a superintendent responsible for managing and overseeing the day to day operations and activities at the project site.

All Contractor and subcontractor employee's directly involved in the earthwork activities, small or large structures, storm water control measures, and seeding activities are required to complete the training identified by the Department prior to working in the right of way.

III. Construction.

Together, the CRPe and the Engineer's representative will complete the Construction Stage Gate Checklist on a periodic basis as determined by the Engineer.

IV. Measurement and Payment.

The installation, removal, and replacement of BMPs will be paid for through the various bid items as described in the specification with the exception of "Maintenance Earthwork for Erosion and Sediment Control for Cleaning and/or Restoring Control Measures." This item will be paid for by Contractor Force Account.

Establish a Contractor Force Account line item during the PS&E development stage of the project and provide an estimated dollar amount to clean and/or restore control measures for the duration of the project. Include a line item in the Engineer's Estimate as follows:

CONTRACTOR FORCE ACCOUNT WORK (PART) -
EROSION CONTROL MAINTENANCE Qty = 1 Unit = LS

- Special Specification 1122 and Special Provision 1122-001 replaces Standard Specification 506 (Temporary Erosion, Sediment, and Environmental Controls) along with its latest applicable SP and SS 5049 (Biodegradable Erosion Control Logs).
- Required in road construction project contracts beginning with the October 2012 letting.

2004 Specifications

SPECIAL SPECIFICATION

1122

Temporary Erosion, Sedimentation, and Environmental Controls

1. **Description.** Install, maintain, and remove erosion, sedimentation, and environmental control measures to prevent or reduce the discharge of pollutants in accordance with the Storm Water Pollution Prevention Plan (SWP3) as provided in the plans and the Texas Pollutant Discharge Elimination System (TPDES) General Permit TXR150000. Control measures are defined as Best Management Practices used to prevent or reduce the discharge of pollutants. Control measures include but are not limited to rock filter dams, temporary pipe slope drains, temporary paved flumes, construction exits, earthwork for erosion control, pipe, construction perimeter fence, sandbags, temporary sediment control fence, biodegradable erosion control logs, vertical tracking, temporary or permanent seeding, and other measures. Perform work in a manner to prevent degradation of receiving waters, facilitate project construction, and comply with applicable federal, state, and local regulations. Ensure the installation and maintenance of control measures is performed in accordance with the manufacturer's or designer's specifications.

By signing the Contractor Certification of Compliance, the Contractor certifies they have read and understand the requirements applicable to this project pertaining to the SWP3, the plans, and the TPDES General Permit TXR150000. The Contractor is responsible for any penalties associated with non-performance of installation or maintenance activities required for compliance. Provide the Contractor Certification of Compliance to the Engineer prior to performing earthwork operations. The most current version of the Contractor Certification of Compliance can be found at http://txdot.gov/business/ems_courses.htm. A sample of the language has been attached to this specification. Ensure the most current version of the certificate is executed for this project.

2. **Materials.** Furnish materials in accordance with the following:
 - Item 161, "Compost"
 - Item 432, "Riprap"
 - Item 556, "Pipe Underdrains"
- A. **Rock Filter Dams.**
 1. **Aggregate.** Furnish aggregate with hardness, durability, cleanliness, and resistance to crumbling, flaking, and eroding acceptable to the Engineer. Provide the following:
 - **Types 1, 2, and 4 Rock Filter Dams.** Use 3 to 6 in. aggregate.
 - **Type 3 Rock Filter Dams.** Use 4 to 8 in. aggregate.
 2. **Wire.** Provide minimum 20 gauge galvanized wire for the steel wire mesh and tie wires for Types 2 and 3 rock filter dams. Type 4 dams require:

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SP 1122-001 (Training)

- Special Provision 1122-001 concentrates on training required by the Contractor.
- 2 classes are required to be taken by all Contractor and subcontractor employees involved in the earthwork activities, small or large structures, storm water control measures and seeding activities. This training is located on the internet at no cost.
- There are also 3 other classes located on the internet which are provided by UTA that have an associated fee that will be required to be taken by the CRPe, Superintendent and other specified Contractor and Sub personnel.
- Applicable TxDOT project personnel are also required to take similar training on i-Way.

2004 Specifications

**SPECIAL PROVISION
TO
SPECIAL SPECIFICATION
1122-001**

Temporary Erosion, Sedimentation, and Environmental Controls

For this project, Special Specification Item 1122, "Temporary Erosion, Sedimentation, and Environmental Controls" is hereby amended with respect to the clauses cited below, and no other clauses or requirements of this Item are waived or changed hereby.

Article 3.C. Training is supplemented by the following:

The Environmental Management System (EMS) eLearning Courses and Department's EMS Policy Statement can be found at http://txdot.gov/business/ems_courses.htm. The following training has been developed in compliance with the Department's EMS program.

All Contractor and subcontractor employee's involved in the earthwork activities, small or large structures, storm water control measures, and seeding activities must complete the following training located at http://txdot.gov/business/ems_courses.htm. Training is provided by the Department at no cost to the Contractor and is valid for 3 years from the date of completion. The Engineer may require training at a frequency less than 3 years based on environmental needs.

- "Environmental Management System: Awareness Training for the Contractor (English and Spanish)," and
- "Storm Water: Environmental Requirements During Construction (English and Spanish)."

The CRPe, alternate CRPe designated for emergencies, Contractor's superintendent, and Contractor and subcontractor lead personnel involved in SWP3 activities must enroll and complete the training located at <http://www.uta.edu/ced/static/tsenvonline.shtml>. Training is provided by a third party and is valid for 3 years from the date shown on the Certificate of Completion. Coordinate enrollment through the third party and pay associated fees for the following training:

- "Revegetation During Construction,"
- "Construction General Permit Compliance," and
- "Construction Stage Gate Checklist (CSGC)."

Training and associated fees will not be measured or paid for directly but are considered subsidiary to this item.

1122-001
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Contractor Responsible Person Environmental (CRPe)

- Provide and designate at the preconstruction conference a CRPe who has overall responsibility for the storm water management program.
- Responsible for monitoring the project for SW3P compliance.
- Produce and provide daily monitoring reports.
- Communicate with Contractor and TxDOT personnel to ensure SW3P compliance is achieved.
- Ensure all Contractor personnel trained appropriately.
- Document and submit a list to the Engineer of the employees who have completed the training.
- Together, the CRPe and an Engineer's representative will complete the Construction Stage Gate Checklist on a periodic basis.

Contractor Certification of Compliance

- Prior to performing earthwork operations the Contractor must complete, sign and provide to the Engineer the Contractor Certification of Compliance.
- I _____ certify that I am the duly appointed representative of the Contractor with the authority to make this Contractor certification.
- I understand that failure to comply with the terms of the permit that are expressly stated in the contract documents, plans, and specifications as being the responsibility of the Contractor may result in civil penalties.
- Implement the SW3P for the project in accordance with the plans and specifications and the TPDES GP TXR 150000. (Better known as the CGP).
- It is located behind SS 1122 in Proposal and located on Internet at address shown in SS 1122.



CONTRACTOR CERTIFICATION OF COMPLIANCE WITH STORM WATER REQUIREMENTS

Form 2458
02/12
Page 1 of 1

I, _____ certify that I am the duly appointed representative of the contractor with authority to make this Contractor certification. I have read and understand the requirements applicable to this project pertaining to storm water discharge authorization under Texas Pollutant Discharge Elimination System (TPDES) General Permit (GP) TXR150000. The Contractor agrees to comply with the terms of the permit that are expressly stated in the contract documents as being the responsibility of the Contractor. I have read and understand the Storm Water Pollution Prevention Plan (SW3P) developed by the Department for this project. The Contractor agrees it will be implemented prior to construction according to permit requirements and the contract documents. I understand that failure to comply with requirements of the TPDES GP TXR150000, including the SWP3 for the project, may result in civil penalties assessed to the Contractor.

The Contractor acknowledges its responsibility to satisfy the following requirements:

- Implement the SWP3 for the project in accordance with the plans and specifications and the TPDES GP TXR150000.
- Install and maintain control measures on the project in accordance with the manufacturer's or designer's specifications.
- Collaborate with the Department for joint monitoring of best management practices (BMPs) on a regular basis to verify that BMPs are performing as intended in accordance with the plans and specifications and with TPDES GP TXR150000.
- Collaborate with the Department for joint identification of BMP maintenance needs and carry out such maintenance in accordance with the plans and specifications, TPDES GP TXR150000 and as directed by the Engineer.
- Repair the integrity of any BMP as directed by the Engineer as soon as reasonably possible.
- If appropriate, recommend changes needed in the SWP3 to the Engineer in order to prevent, to the extent practicable, water pollution associated with construction activities from entering any surface water or private property on or adjacent to the project site by storm water discharges.
- Stabilize disturbed areas, as soon as practicable, in accordance with the TPDES GP TXR150000 and as directed by the Engineer.
- If applicable, obtain appropriate authorizations for activities associated with any Project Specific Location under the authority of the Contractor and provide appropriate documentation of compliance to the Engineer.
- Satisfy any other responsibility indicated in the contract documents that are expressly stated as the responsibility of the Contractor.

Signature: _____

Title: _____

Date: _____

[Contact/Help](#)

Construction Stage Gate Checklist (CSGC)



Environmental Management System Construction Stage Gate Checklist (CSGC)

Form 2948
Rev. 01/12
Page 1 of 2

Highway	Project Number	Project CCSI	County	Area Office
Project Personnel Completing CSGC (Joint Inspection)				
TxDOT Representative			Contractor Representative	
Print Name:			Print Name:	
Signature/Date:			Signature/Date:	
CSGC Inspection Period:				
From	Date of beginning initial construction activities, or Date of previous CSGC inspection		To	Date of this CSGC inspection
List Project Permits				
National Environmental Policy Act (NEPA) Document				
<input type="checkbox"/> Yes	<input type="checkbox"/> No	1. Have the project limits or scope changed? (If yes, complete question 2)		
<input type="checkbox"/> Yes	<input type="checkbox"/> No	2. Has coordination with Advance Planning & Development occurred to ensure NEPA compliance?		
Storm Water Resources				
<input type="checkbox"/> Yes	<input type="checkbox"/> No	3. Does the project require a Construction Site Notice (CSN)?		
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4. Is the CSN posted in a publicly accessible location near where the construction activity is underway?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	5. Does the CSN contain all required information?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	6. Does the project require a Notice of Intent (NOI)?		
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	7. Is the NOI posted in a publicly accessible location near where the construction activity is underway?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	8. Does the NOI contain all required information?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	9. Does the project have a Storm Water Pollution Prevention Plan (SWP3)?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	10. Is there a copy of the TCEQ Construction General Permit onsite or with the SWP3?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	11. Is there a copy of a Delegation of Authority Letter authorizing the signing of inspection reports in the SWP3 file?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	12. Is the SWP3 retained and available for inspection at the work site that generates the storm water? (If no, complete question 13)	
			13. Where is it located?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	14. Is the SWP3 updated for any changes in design or project change orders?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	15. Are the SWP3 drawings updated for changes to Best Management Practices (BMPs)? (i.e. type, location and install/remove dates)	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	16. Is the description of construction and waste materials stored on-site updated with the Contractor?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	17. Are the dates when major grading activities occur updated?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	18. Are the dates when construction activities temporarily or permanently cease on a portion of the site updated?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	19. Did stabilization occur within 14 days at locations where soil disturbing activities have ceased? (If yes, complete question 20)	

Construction Stage Gate Checklist (CSGC)

- The CSGC can be found on e-forms under ENV, Form 2448.
- CSGC i-Way training for TxDOT personnel is CON 816.
- Memo dated May 17, 2012 from John Obr and Carlos Swonke provides further clarification of use.
- TxDOT Responsible Person, Contractor Responsible Person Environmental (CRPe) and frequency of CSGC joint inspections should be identified and documented during the preconstruction meeting.
- The Engineer will determine the frequency of the joint inspections based on the complexity of project, the complexity of the environmental issues, the duration of the project, and other related issues.
- Perform the initial CSGC joint inspection within one month of beginning construction activities.
- In addition to the initial CSGC joint inspection, perform a minimum of one annual CSGC joint inspection. Can be more frequent as determined by the Engineer. If the project duration is less than one year, perform the annual inspection when the work is 50% complete.
- A data field has been added in the default list event dates in SiteManager for the CSGC joint inspection and can be included in your list of scheduled events manually.

BMP EARTHWORK MAINTENANCE

- Removal of silt from BMP's will be paid under Contractor Force Account Work.
- During development of the PS&E, the designers should have set up under "CONTRACTOR FORCE ACCOUNT WORK" a line item called "EROSION CONTROL MAINTENANCE" with an estimated dollar amount to be used.
- It will then be put into Site Manager when project is set up and given a 9606 2055 number with DOL unit to be used for payment by invoice, if under \$10,000.00, from contractor when needed.

 CONTRACT LINE ITEMS REPORT REPORT DATE: 09/25/12

CONTRACT ID: 035304093	HIGHWAY: SP 348
PROJECT: NH 2013(009)	DISTRICT: 19
CONTRACT: 09123207	COUNTY: DALLAS
AWARD AMOUNT: \$114,283.74	AREA ENGINEER: David Loft, P.E.
PROJECTED AMOUNT: \$115,383.74	AREA NUMBER: 002
CONTRACTOR: DENALI CONSTRUCTION SERVICES, LLC	

PROJECT		NH 2013(009)		CONTROL		035304093				
LINE NBR	ITEM CODE	SP	DESCRIPTION	UNIT	UNIT PRICE	QTY	NET CO QTY	QTY PAID TO DATE	AMOUNT	
0055	01052020	000	REMOVING STAS BASE & ASPH PAV (12")	SY	25.200	475.000	0.000	0.000	0.000	0.000
0090	01012006	000	COMPOST MANUF TOPSOIL (PS)	CY	34.290	875.000	0.000	0.000	0.000	0.000
0085	01822002	000	BLOCK SOBBING	SY	2.860	475.000	0.000	0.000	0.000	0.000
0070	01702002	005	IRRIGATION SYSTEM (TY II)	LS	45,480.000	1.000	0.000	0.000	0.000	0.000
0075	01822002	014	PLANT MATERIAL (1-GAL)	EA	8.650	1,087.000	0.000	0.000	0.000	0.000
0080	01822004	014	PLANT MATERIAL (5-GAL)	EA	9.400	72.000	0.000	0.000	0.000	0.000
0085	01822005	014	PLANT MATERIAL (15-GAL)	EA	30.000	18.000	0.000	0.000	0.000	0.000
0090	01822012	014	MULCH	CY	22.000	22.000	0.000	0.000	0.000	0.000
0095	01822016	014	PLANT BED PREPARATION	SY	4.000	620.000	0.000	0.000	0.000	0.000
0100	01822018	014	PLANT MATERIAL (2 GAL)	EA	8.650	386.000	0.000	0.000	0.000	0.000
0105	01822027	014	PLANT MATERIAL (100 GAL) (TREE)	EA	250.000	20.000	0.000	0.000	0.000	0.000
0110	01822067	014	CONC LANDSCP EDG (12 IN WIDTH)	LF	54.000	98.000	0.000	0.000	0.000	0.000
0115	00302001	000	MOBILIZATION	LS	11,850.000	1.000	0.000	0.000	0.000	0.000
0120	00302001	000	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	839.510	5.000	0.000	0.000	0.000	0.000
0125	11222030	007	TEMP SDMT CONT FENCE (46 FT PROTECTION)	LF	2.750	26.000	0.000	0.000	0.000	0.000
0130	11222048	007	BIOGRADABLE EROSION CONTROL LOGS (12" DIA)INSTALL	LF	2.900	150.000	0.000	0.000	0.000	0.000
0135	11222058	007	BIOGRADABLE EROSION CONTROL LOGS REMOVE	LF	0.500	150.000	0.000	0.000	0.000	0.000
0140	11222057	007	TEMPORARY SEDIMENT CONTROL FENCE REMOVE	LF	0.500	20.000	0.000	0.000	0.000	0.000
0141	96062001		PAYMENT ADJUSTMENT-POS	DOL	1,000.000	1,000.000	0.000	0.000	0.000	0.000
0142	96062052		PAYMENT ADJUSTMENT-NEG	DOL	-1,000.000	1,000.000	0.000	0.000	0.000	0.000
0143	99092001		MATERIAL ON HAND	DOL	1,000.000	1,000.000	0.000	0.000	0.000	0.000
0144	99092001	SUPP DESCR	MATERIAL RECEIVED	DOL	-1,000.000	1,000.000	0.000	0.000	0.000	0.000
0145	99102001	SUPP DESCR	MATERIAL USED	DOL	0.000	1,000.000	0.000	0.000	0.000	0.000
0146	99102001	SUPP DESCR	ON THE JOB TRAINING	DOL	0.000	1,000.000	0.000	0.000	0.000	0.000
		SUPP DESCR	PAID BY THE HOUR							

CATEGORY		002		DESCRIPTION		CONTRACTOR FORCE ACCOUNT WORK				
LINE NBR	ITEM CODE	SP	DESCRIPTION	UNIT	UNIT PRICE	QTY	NET CO QTY	QTY PAID TO DATE	AMOUNT	
0148	96062001	CONTRACTOR FORCE ACCOUNT 1		DOL	1.000	303.000	0.000	0.000	0.000	0.000
		CONTRACTOR FORCE ACCOUNT 1	EROSION CONTROL MAINTENANCE BY INVOICE							

NOTE: Need to ensure amount requested from contractor is reasonable.

BMP EARTHWORK MAINTENANCE

- In SS 1122 removal of silt from BMP's payment is described under Payment.6.E.2. Maintenance Earthwork for Erosion and Sediment Control for Cleaning and/or Restoring Control Measures.
- On the E & Q Sheet in the plans there should be a Contractor Force Account Item "EROSION CONTROL MAINTENANCE".
- It is set up similar to Railroad Flaggers, Police Officers, etc.

Sediment Control, In Vehicle)", or "Earthwork (Erosion and Sediment Control, In Vehicle)".

This price is full compensation for excavation and embankment including hauling, disposal of material not used elsewhere on the project; embankments including furnishing material from approved sources and construction of erosion-control features; equipment, labor, tools, and incidentals.

Sprinkling and rolling required by this Item will not be paid for directly, but will be subsidiary to this Item.

2. **Maintenance Earthwork for Erosion and Sediment Control for Cleaning and/or Restoring Control Measures.** The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for by a Contractor Force Account Item.

This price is full compensation for excavation, embankment, and re-grading including removal of accumulated sediment in various erosion control installations as directed, hauling, and disposal of material not used elsewhere on the project; excavation for construction of erosion-control features; embankments including furnishing material from approved sources and construction of erosion-control features; and equipment, labor, tools, and incidentals.

Earthwork needed to remove and obliterate of erosion-control features will not be paid for directly but is subsidiary to pertinent Items unless otherwise shown on the plans.

Sprinkling and rolling required by this Item will not be paid for directly, but will be subsidiary to this Item.

- F. **Construction Perimeter Fence.** The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Construction Perimeter Fence." This price is full compensation for furnishing and placing the fence; digging, fence posts, wire, and flagging; removal and disposal; and materials, equipment, labor, tools, and incidentals.

Removal of construction perimeter fence will be not be paid for directly but is subsidiary to the installation Item. When the Engineer directs that the perimeter fence installation or portions thereof be removed and replaced, payment will be made at the unit price bid for "Construction Perimeter Fence," which is full compensation for the removal and reinstallation of the construction perimeter fence.

- G. **Sandbags for Erosion Control.** Sandbags will be paid for at the unit price bid for "Sandbags for Erosion Control" (of the height specified when measurement is by the foot). This price is full compensation for materials, placing sandbags, removal and disposal, equipment, labor, tools, and incidentals.

Removal of sandbags will not be paid for directly but is subsidiary to the installation Item. When the Engineer directs that the sandbag installation or portions thereof be replaced,

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SS 1122 Interim Spec?

It is the goal of the Department that the SS 1122 be an interim specification. Our ultimate goal is to have Contractor as a Co-Permittee on road construction projects by requiring Contractor to also file a NOI and/or post appropriate Site Notices (Small or Large). TxDOT would be Primary Operator over Plans and Specifications and Contractor would be Primary Operator with Day-to-Day operational control.

EMS Definition of Road Construction Project With Guidance

Road construction operation that includes any of the following associated activities: earth work, concrete work, asphalt work, steel work, masonry work, demolition work, excavation work, fill work, land clearing, painting, soil stabilization, equipment operation, de-watering activities, material storage, waste management, waste disposal and waste recycling activities. Under this definition, construction also includes project specific locations, such as concrete and asphalt batch plants, within the Right-of-Way. The term construction does not include routine or preventative roadway maintenance activities.

Types of projects include new location, existing pavement rehabilitations/widening, culvert work, bridge rehabilitation/replacement.

Typical projects not requiring the Stage Gate Checklist to be completed would be signal installation, crack sealing, retrace striping, seal coating, bridge joint repair, etc. (Use SP 1122-002)

Districts should determine whether the Stage Gate Checklist should be completed on minimal soil disturbance Construction or Maintenance contracts such as MBGF upgrade, landscaping, ACP overlays.

SP 1122-002 (When to Use It?)

We try to ensure that we use SP 1122-002 in projects that do not meet the EMS Definition of Road Construction Project. Projects such as signal installation, crack sealing, retrace striping, seal coating, bridge joint repair, full depth repair, etc. Mill and Hot Mix overlay projects we look at on a case by case basis to see how much front slope disturbance there will be.

2004 Specifications

**SPECIAL PROVISION
TO
SPECIAL SPECIFICATION
1122--002**

Temporary Erosion, Sedimentation, and Environmental Controls

For this project, Special Specification Item 1122, "Temporary Erosion, Sedimentation, and Environmental Controls" is hereby amended with respect to the clauses cited below, and no other clauses or requirements of this Item are waived or changed hereby.

Article 1. Description is voided and replaced by the following:

Install, maintain, and remove erosion, sedimentation, and environmental control measures to prevent or reduce the discharge of pollutants in accordance with the Storm Water Pollution Prevention Plan (SWP3) or as directed by the Engineer. Ensure the installation and maintenance of control measures is performed in accordance with the manufacturer's or designer's specifications.

Article 3. Qualifications, Training, and Employee Requirements is voided and not replaced.

Article 4. Construction is voided and replaced by the following:

A. Contractor Responsibilities. Implement the SWP3 for the project site in accordance with the plans and specifications, and as directed by the Engineer. Coordinate storm water management with all other work on the project. Develop and implement an SWP3 for project-specific material supply plants within and outside of the Department's right of way in accordance with the specific or general storm water permit requirements. Prevent water pollution from storm water associated with construction activity from entering any surface water or private property on or adjacent to the project site.

B. Implementation.

1. Commencement. Implement the SWP3 as shown and as directed. Contractor proposed recommendations for changes will be allowed as approved. Do not implement changes until approval has been received and changes have been incorporated into the plans by the Engineer. Minor adjustments to meet field conditions are allowed and will be recorded by the Engineer in the SWP3.

Implement control measures prior to the commencement of activities that result in soil disturbance. Phase and minimize the soil disturbance to the areas shown on the plans.

Coordinate temporary control measures with permanent control measures and all other work activities on the project to assure economical, effective, safe, continuous water pollution

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Dallas District SOP for EMS (03-13)

1. All must follow EMS manual as applies to their duties.
2. Complete courses identified in Dallas EMS Training Matrix. Ensure adherence of Contractor training per specs.
3. Complete SGC's as required.
4. EMS Policy Statement and Posters up at all main offices and field offices.
5. Cover EMS elements in Dallas Pre-Con Agenda.
6. Regulatory issues referred to DEQC to ensure proper handling.
7. Dallas DEQC/EMS Coordinator responsible for annual EMS Summit and Self-Assessment.

TxDOT – Dallas District
Standard Operating Procedure No. 03-13

Subject: Environmental Management System (EMS)

Approval Authority: District Engineer

Effective Date: March 1, 2013

Review Authority: District Engineer

Revision:

Department Policy & Procedure Manuals & Document References:

[Environmental Management System Manual](#)
[Statewide EMS SOPs](#)

Purpose:

To supplement the above reference Departmental Policy & Procedures Manual by establishing local guidelines for the Dallas District, ensuring employees are following EMS procedures/policies. Managers and Supervisors are accountable for ensuring that they and their employees are adhering and supporting EMS process.

General Guidelines:

1. All AP&D, Design, Construction and Maintenance personnel that are involved with projects as defined by the EMS Definition of Road Construction located in the EMS Manual will follow the EMS Manual as it applies to their duties.
2. It is imperative all TxDOT and Contractor personnel identified on [Dallas EMS Training Matrix](#) take all appropriate training. For TxDOT personnel, the goal is to complete i-Way training prior to performing related function and classroom training be scheduled and completed as soon as available. For Contractor personnel, training shall be completed and documented per specifications.
3. The Advance Planning and Development (AP&D) and Plans, Specifications and Estimate (PS&E) Stage Gate Checklists (SGC) will be completed as required by the EMS Manual which is further explained on SGC's Instructions/Purpose Sheet and in training (DES 435 & DES 907). All completed SGCs must be signed by PM and kept in project files. There may be separate files for AP&D and PS&E stages. Required PS&E SGCs are to accompany plans when submitted for plan review(s). Design PMs will also ensure latest AP&D SGC is in their files as it is required that they review the AP&D SGC prior to beginning production of PS&E on a project.
4. The EMS Road Construction Policy Statement and Poster should be posted at all main offices (TxDOT and Consultants) and field offices (TxDOT and Contractor) in prominent locations but not on official bulletin boards.

Dallas District
Procedure No. 03-13
Subject: Environmental Management System (EMS)
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- **Contractor Certification of Compliance**
- **Training requirements in SP 1122-001**
- **CRPe and alternate**
- **Contractor's Daily Monitoring Reports**
- **SGC and frequency**

Contractor Daily Monitoring Log

We have developed a Contractor Daily Monitoring Log. We present to Contractor and they have the option to use or come up with their own. Most like it and use it.

CONTRACTOR DAILY MONITORING LOG

Contractor's Name:	
Project CSJ:	
Review Conducted By:	
Date Review Performed:	

	Yes	No	N/A	Comments
1. Are applicable Site Notices with correct information properly posted?				
2. Are all BMP's functioning as intended?				
3. Are any BMP's in need of repair or maintenance?				
4. Any additional BMP's required?				
5. Are there any signs of discharges leaving the site?				
6. Are stabilized entrance/exits preventing roadway contamination?				
7. Is there evidence of tracking onto roadways?				
8. Are all hazardous materials being properly contained and handled?				
9. Has there been any spills of hazardous materials?				
10. Are applicable areas being properly stabilized per CGP?				

Additional Comments:

Signed by Contractor Representative: _____

Revised 7/24/13

Where Do You Keep All This Stuff?

- We have decided to use 2 binders for Construction Projects.
- We have the SW3P binder where we put the Contractor Certification of Compliance along with Site Notices and NOI, if required.
- We now have a second binder for Contractor Daily Monitoring Logs, Letter Designating CRPE (and alternate) and Contractor Training Information. (Currently referred to as our EMS binder.)
- We are currently reworking Table of Contents for these 2 binders to formalize.

Dallas EMS Construction Project Checklist

We have developed a Dallas EMS Construction Project Checklist. Does not have everything but is overview to ensure project has EMS components in place including SS 1122 and SP 1122-001 requirements.

Dallas EMS Construction Project Compliance Checklist

CSI: _____ TxDOT PM Design: _____
 Highway: _____ TxDOT PM Construction: _____
 Date: _____ Contractor: _____

	Yes	No	If no, when Yes
1 Does Construction PM have a copy of the PS&E Stage Gate Checklist in their files?			
2 Did the PreCon Agenda address the Construction Stage Gate Checklist (CSGC)? (Use the latest version of the Agenda from web for each project.)			
3 Is frequency for CSGC (Form 2448) being followed and documented?			
4 Did the Contractor sign the Contractor Certification Of Compliance and provide to TxDOT before any earthwork activities were performed? (Preferable to get it at PreCon)			
5 Has the Contractor's Responsible Person (CRPe) been identified in writing?			
6 Has CRPe, Superintendent and other applicable personnel as described in specs provided Certificate of Completion on required courses to TxDOT?			
7 Has CRPe documented training of all applicable personnel per specs, then updated as necessary when personnel changes?			
8 Does TxDOT have a copy of #7 and signed by CRPe (Contractor Certification Statement for training)?			
9 Have TxDOT personnel taken applicable training per EMS training matrix before starting on project?			
10 Are Posters and Policy Statement posted in a prominent location in the main office?			
11 Are Posters and Policy Statement posted in a prominent location in field offices? (NOT allowed on the Bulletin Board.)			
12 Do all understand using Force Account for Erosion Control Maintenance?			
13 Is the latest Form 2118 being used?			
14 Is the Contractor providing TxDOT with daily monitoring reports within 48 hours?			
15 Does TxDOT understand their roles and responsibilities?			
16 Does contractor understand their roles and responsibilities?			

(May refer to attached sheet for additional comments)

Inspected By (Printed Name) _____

Inspected By (Signature) _____ Date _____

Revised: 6-24-13

When DEQC does their annual inspections utilizing the CSGC they also use the Dallas EMS Construction Project Checklist. The project is then rated for EMS compliance and 1122 items.

Dallas District Construction Office:
District Environmental Quality Coordinator Project Ratings:

CSJ:

Process Review/Documentation: Overall Rating: E S N U

Project Appearance and Devices: Overall Rating: E S N U

Overall Quality and Rating of SW3P for Project: E S N U

Environmental Management System Compliance: E S N U

Does The Project Include SS 1122 and SP 1122? Yes No
If Yes: E S N U



Thank You

