

Short Form - Storm Water Data Report



Dist-County-Route: 08-SBD-15

Post Mile (Kilometer Post) Limits: 30.8/40.4

Project Type: Pavement Rehab

EA: 0K120

RU: 228

Program Identification: 20.1.121

Phase: [ ] PID [X] PA/ED [ ] PS&E

Regional Water Quality Control Board(s): Lahontan

- 1. Is the project required to consider incorporating Treatment BMPs? [ ] Yes [X] No
2. Does the project disturb more than 0.25 acres of soil? [ ] Yes [X] No
3. Is the project part of a Common Plan of Development? [ ] Yes [X] No
4. Does the project potentially create permanent water quality impacts? [ ] Yes [X] No
5. Does the project require a notification of ADL reuse? [ ] Yes [X] No

If the answer to any of the preceding questions is "Yes", prepare a Long Form - Storm Water Data Report.

Estimated Construction Start Date: November 2009 Construction Completion Date: December 2009

Separate Dewatering Permit (if Yes, permit number) [ ] Yes Permit #: [ ] X No

This Short Form - Storm Water Data Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

Signature: Ragael Ayoub Registered Project Engineer Date: 8/30/07

I have reviewed the storm water quality design issues and find this report to be complete, current, and accurate:

STAMP [Required for PS&E only]

Signature: Cathy Jochai District SW Coordinator Date: 8/31/07

## 1. Project Description

- *This project is located in San Bernardino County, in the city of Hesperia and the city of Victorville on State Route-15 PM 30.8/40.4*
- *The proposed project scope includes milling and overlaying the existing asphalt concrete pavement. The project limits begin from approximately the Hesperia Overhead to the junction of State Route-18, in Victorville. There will be no water quality impacts.*
- *Due to the type of work, slab replacement, there's no DSA on this project.*
- *The project limits fall within an urban MS4 (City of Hesperia, and City of Victorville). The closest receiving water body is Oro Grande Wash, which is not 303 (d) listed.*
- *The Contractor storage yard will implement BMP's to further minimize the risk associated with these activities.*

## 2. Construction Site BMPs

- *Due to the scope of work, it is anticipated that a Water Pollution Control Program will be required.*
- *The following temporary construction site BMPs to be paid for under the lump sum item "Construction Site Management" shall include:*
  - *NS-1 (Water Conservation Practices)*
  - *NS-3 (Paving and Grinding Operation)*
  - *NS-8 (Vehicle & Equipment Cleaning)*
  - *NS-9 (Vehicle & Equipment Fueling)*
  - *NS-10 (Vehicle & Equipment Maintenance)*
  - *WM-1 (Material Delivery & Storage)*
  - *WM-2 (Material Use)*
  - *WM-3 (Stockpile Management)*
  - *WM-4 (Spill Prevention and Control)*
  - *WM-5 (Solid Waste Management)*
  - *WM-9 (Sanitary/Septic Waste Management)*
- *The following temporary construction Site BMPs to be paid for as line items are:*
  - *SS-7 (Geotextiles, RECP, Plastic Covers)*
  - *WM-8 (Concrete Waste Management)*
  - *SC-7 (Street Sweeping & Vacuuming)*
  - *SC-8 (Sand Bag Barrier)*

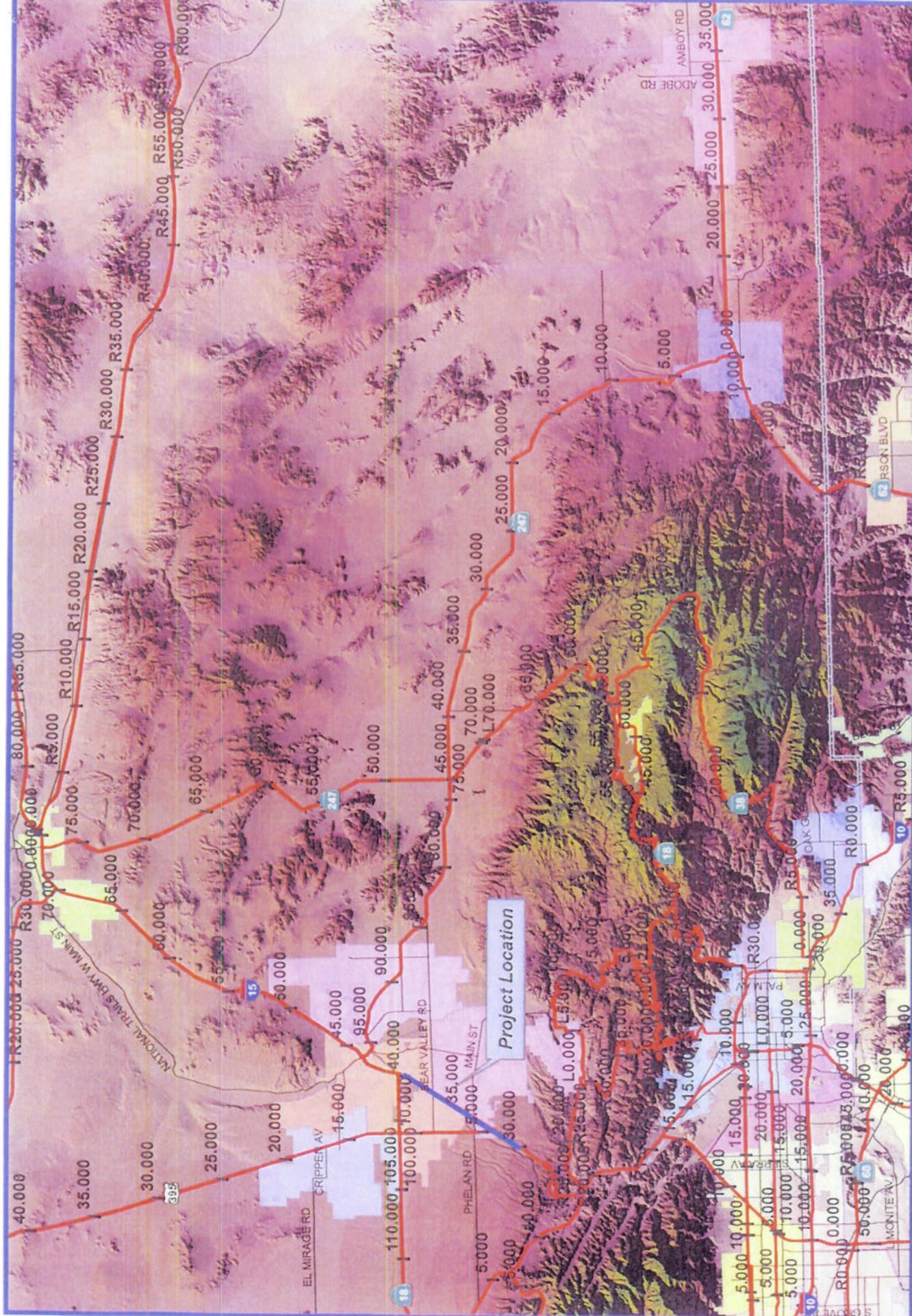


- *SC-10 (Storm Drain Inlet Protection)*
- *On 8/29, 2007, the Construction Site BMP strategy was reviewed by the Construction NPDES Unit. Comment notes.*

### **3. REQUIRED ATTACHEMENTS**

- *Vicinity Map*
- *Evaluation Documentation Form*
- *Construction Site BMP Consideration Form (required at PS&E only)*





0K1200  
SBd-15-PM30.8/40.4



**Evaluation Documentation Form**

DATE: August 2007

See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs

EA: 0K120

NO.	CRITERIA	YES	NO	SUPPLEMENTAL INFORMATION FOR EVALUATION
1.	Begin Project Evaluation regarding requirement for consideration of Treatment BMPs	<input checked="" type="checkbox"/>		Go to 2
2.	Is this an emergency project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If <b>Yes</b> , go to 11. If <b>No</b> , continue to 3.
3.	Have TMDLs OR OTHER Pollution Control Requirements been established for surface waters within the project limits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If <b>Yes</b> , contact the District/Regional NPDES coordinator to discuss the Department's obligations under the TMDL (if Applicable) or Pollution Control Requirements, go to 10 or 4 (as determined by the NPDES Coordinator). _____ (Dist./Reg. SW Coordinator initials) If <b>No</b> , continue to 4.
4.	Is the project within an urban MS4?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If <b>Yes</b> , continue to 5. <u>Cities of Hesperia and Victorville</u> If <b>No</b> , go to 11.
5.	Is the project directly or indirectly discharging to surface waters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If <b>Yes</b> , continue to 6. If <b>No</b> , go to 11.
6.	Is this a new facility or major reconstruction?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If <b>Yes</b> , continue to 8. If <b>No</b> , go to 7.
7.	Will there be a change in line/grade or hydraulic capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If <b>Yes</b> , continue to 8. If <b>No</b> , go to 11.
8.	Is the Disturbed Soil Area (DSA) created by the project <u>greater than or equal to 3.0 acres</u> or does the project result in a <u>net increase of one acre or more of new impervious surface</u> ?	<input type="checkbox"/>	<input type="checkbox"/>	If <b>Yes</b> , continue to 10. If <b>No</b> , go to 9. _____ (Total DSA quantity)
9.	Is the project part of a Common Plan of Development?	<input type="checkbox"/>	<input type="checkbox"/>	If <b>Yes</b> , continue to 10. If <b>No</b> , go to 11.
10.	Project is required to consider approved Treatment BMPs.	<input type="checkbox"/>		See Sections 2.4 and either Section 5.5 or 6.5 for BMP Evaluation and Selection Process. Complete Checklist T-1 in this Appendix E.
11.	Project is not required to consider Treatment BMPs.  _____ (Dist./Reg. SW Coord. Initials) <u>RA</u> (Project Engineer Initials) _____ (Date)	<input checked="" type="checkbox"/>		Document for Project Files by completing this form, and attaching it to the SWDR.

**See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs**



## Construction Site BMP Consideration Form

DATE: August 2007

Project Evaluation Process for the Consideration of Construction Site BMPs

EA: OK120

NO.	CRITERIA	YES	NO	SUPPLEMENTAL INFORMATION
1.	Will construction of the project result in areas of disturbed soil as defined by the Project Planning and Design Guide (PPDG)?	X		If <b>Yes</b> , Construction Site BMPs for Soil Stabilization (SS) will be required. Complete CS-1, Part 1. Continue to 2. If <b>No</b> , Continue to 3.
2.	Is there a potential for disturbed soil areas within the project to discharge to storm drain inlets, drainage ditches, areas outside the right of way, etc?	X		If <b>Yes</b> , Construction Site BMPs for Sediment Control (SC) will be required. Complete CS-1, Part 2.  Continue to 3.
3.	Is there a potential for sediment or construction related materials and wastes to be tracked offsite and deposited on private or public paved roads by construction vehicles and equipment?	X		If <b>Yes</b> , Construction Site BMPs for Tracking Control (TC) will be required. Complete CS-1, Part 3.  Continue to 4.
4.	Is there a potential for wind to transport soil and dust offsite during the period of construction?	X		If <b>Yes</b> , Construction Site BMPs for Wind Erosion Control (WE) will be required. Complete CS-1, Part 4. Continue to 5.
5.	Is dewatering anticipated or will construction activities occur within or adjacent to a live channel or stream?	X		If <b>Yes</b> , Construction Site BMPs for Non-Storm Water Management (NS) will be required. Complete CS-1, Part 5.  Continue to 6.
6.	Will construction include saw-cutting, grinding, drilling, concrete or mortar mixing, hydro-demolition, blasting, sandblasting, painting, paving, or other activities that produce residues?	X		If <b>Yes</b> , Construction Site BMPs for Non-Storm Water Management (NS) will be required. Complete CS-1, Part 5.  Continue to 7.
7.	Are stockpiles of soil, construction related materials, and/or wastes anticipated?	X		If <b>Yes</b> , Construction Site BMPs for Waste Management and Materials Pollution Control (WM) will be required. Complete CS-1, Part 6. Continue to 8.
8.	Is there a potential for construction related materials and wastes to have direct contact with precipitation; storm water run-on, or stormwater runoff; be dispersed by wind; be dumped and/or spilled into storm drain systems?	X		If <b>Yes</b> , Construction Site BMPs for Waste Management and Materials Pollution Control (WM) will be required. Complete CS-1, Part 6.  Continue to 9.
9.	End of checklist.	X		Document for Project Files by completing this form, and attaching it to the SWDR.

*RA*

*PE to initialize after concurrence with Construction (PS&E only)*

*8/30/07*  
Date



<b>Construction Site BMPs</b>			
<b>Checklist CS-1, Part 1</b>			
Prepared by: <u>Ragaei Ayoub</u>	Date: <u>8/30/2007</u>	District-Co-Route: <u>08-SBD-15</u>	
PM (KP): <u>30.8/40.4</u>	EA: <u>OK120</u>		
RWQCB: <u>Lahontan</u>			

**Soil Stabilization**

General Parameters

1. How many rainy seasons are anticipated between beginning and end of construction? None
2. What is the total disturbed soil area for the project? (ac) None
  - (a) How much of the project DSA consists of slopes 1V:4H or flatter? (ac) None
  - (b) How much of the project DSA consists of 1V:4H < slopes < 1V:2H? (ac) None
  - (c) How much of the project DSA consists of slopes 1V:2H and steeper? (ac) None
  - (d) How much of the project DSA consists of slopes with slope lengths longer then 20 ft? (ac) None
3. What rainfall area does the project lie within? (Refer to Table 2-1 of the Construction Site Best Management Practices Manual ) None
4. Review the required combination of temporary soil stabilization and temporary sediment controls and barriers for area, slope inclinations, rainy and non-rainy season, and active and non-active disturbed soil areas. (Refer to Tables 2-2, and 2-3 of the Construction Site Best Management Practices Manual for Rainfall Area requirements.)  Complete

Scheduling (SS-1)

5. Does the project have a duration of more then one rainy season and have disturbed soil area in excess of 25 acres?  Yes  No
  - (a) Include multiple mobilizations (Move-in/Move-out) as a separate contract bid line item to implement permanent erosion control or revegetation work on slopes that are substantially complete. (Estimate at least 6 mobilizations for each additional rainy season. Designated Construction Representative may suggest an alternate number of mobilizations.)  Complete
  - (b) Edit Order of Work specifications for permanent erosion control or revegetation work to be implemented on slopes that are substantially complete.  Complete



- (c) Edit permanent erosion control or revegetation specifications to require seeding and planting work to be performed when optimal.  Complete

Preservation of Existing Vegetation (SS-2)

6. Do Environmentally Sensitive Areas (ESAs) exist within or adjacent to the project limits? (Verify the completion of DPP-1, Part 5)  Yes  No
- (a) Verify the protection of ESAs through delineation on all project plans.  Complete
- (b) Protect from clearing and grubbing and other construction disturbance by enclosing the ESA perimeter with high visibility plastic fence or other BMP.  Complete
7. Are there areas of existing vegetation (mature trees, native vegetation, landscape planting, etc.) that need not be disturbed by project construction? Will areas designated for proposed treatment BMPs need protection (infiltration characteristics, vegetative cover, etc.)? (Coordinate with District Environmental and Construction to determine limits of work necessary to preserve existing vegetation to the maximum extent practicable.)  Yes  No
- (a) Designate as outside of limits of work (or designate as ESAs) and show on all project plans.  Complete
- (b) Protect with high visibility plastic fence or other BMP.  Complete
8. If yes for 6, 7, or both, then designate ESA fencing as a separate contract bid line item, *if not already incorporated as part of design pollution prevention work (See DPP-1, Part 5).*  Complete

Slope Protection

N/A

9. Provide a soil stabilization BMP(s) appropriate for the DSA, slope steepness, slope length, and soil erodibility. (Consult with District/Regional Landscape Architect.)
- (a) Select SS-3 (Hydraulic Mulch), SS-4 (Hydroseeding), SS-5 (Soil Binders), SS-6 (Straw Mulch), SS-7 (Geotextiles, RECPs, Etc.), SS-8 (Wood Mulching), other BMPs or a combination to cover the DSA throughout the project's rainy season.  Complete
- (b) Increase the quantities by 25% for each additional rainy season. (Designated Construction Representative may suggest an alternate increase.)  Complete
- (c) Designate as a separate contract bid line item.  Complete



Slope Interrupter Devices

- N/A
10. Provide slope interrupter devices for all slopes with slope lengths equal to or greater than of 20 ft in length. (Consult with District/Regional Landscape Architect and Designated Construction Representative.)
- (a) Select SC-5 (Fiber Rolls) or other BMPs to protect slopes throughout the project's rainy season.  Complete
  - (b) For slope inclination of 1V:4H and flatter, SC-5 (Fiber Rolls) or other BMPs shall be placed along the contour and spaced 20 ft on center.  Complete
  - (c) For slope inclination between 1V:4H and 1V:2H, SC-5 (Fiber Rolls) or other BMPs shall be placed along the contour and spaced 15 ft on center.  Complete
  - (d) For slope inclination of 1V:2H and greater, SC-5 (Fiber Rolls) or other BMPs shall be placed along the contour and spaced 10 ft on center.  Complete
  - (e) Increase the quantities by 25% for each additional rainy season. (Designated Construction Representative may suggest alternate increase.)  Complete
  - (f) Designate as a separate contract bid line item.  Complete

Channelized Flow

- N/A
11. Identify locations within the project site where concentrated flow from stormwater runoff can erode areas of soil disturbance. Identify locations of concentrated flow that enters the site from outside of the right-of-way (off-site run-on).  Complete
- (a) Utilize SS-7 (Geotextiles, RECPs, etc.), SS-9 (Earth Dikes/Swales, Ditches), SS-10 (Outlet Protection/Velocity Dissipation), SS-11 (Slope Drains), SC-4 (Check Dams), or other BMPs to convey concentrated flows in a non-erosive manner.  Complete
  - (b) Designate as a separate contract bid line item.  Complete



<b>Construction Site BMPs</b>			
<b>Checklist CS-1, Part 2</b>			
Prepared by: <u>Ragaei Ayoub</u>	Date: <u>8/30/2007</u>	District-Co-Route: <u>08-SBD-15</u>	
PM (KP): <u>30.8/40.4</u>	EA: <u>0K120</u>		
RWQCB: <u>Lahontan</u>			

**Sediment Control**

Perimeter Controls - Run-off Control

1. Is there a potential for sediment laden sheet and concentrated flows to discharge offsite from runoff cleared and grubbed areas, below cut slopes, embankment slopes, etc.?  
 Yes     No
- (a) Select linear sediment barrier such as SC-1 (Silt Fence), SC-5 (Fiber Rolls), SC-6 (Gravel Bag Berm), SC-8 (Sand Bag Barrier), SC-9 (Straw Bale Barrier), or a combination to protect wetlands, water courses, roads (paved and unpaved), construction activities, and adjacent properties. (Coordinate with District Construction for selection and preference of linear sediment barrier BMPs.)  
 Complete
- (b) Increase the quantities by 25% for each additional rainy season. (Designated Construction Representative may suggest an alternate increase.)  
 Complete
- (c) Designate as a separate contract bid line item.  
 Complete

Perimeter Controls - Run-on Control

N/A

2. Do locations exist where sheet flow upslope of the project site and where concentrated flow upstream of the project site may contact DSA and construction activities?  
 Yes     No
- (a) Utilize linear sediment barriers such as SS-9 (Earth Dike/Drainage Swales and Lined Ditches), SC-5 (Fiber Rolls), SC-6 (Gravel Bag Berm), SC-8 (Sand Bag Barrier), SC-9 (Straw Bale Barrier), or other BMPs to convey flows through and/or around the project site. (Coordinate with District Construction for selection and preference of perimeter control BMPs.)  
 Complete
- (b) Designate as a separate contract bid line item.  
 Complete



Storm Drain Inlets

3. Do existing or proposed drainage inlets exist within the project limits?  Yes  No
- (a) Select SC-10 (Storm Drain Inlet Protection) to protect municipal storm drain systems or receiving waters wetlands at each drainage inlet. (Coordinate with District Construction for selection and preference of inlet protection BMPs.)  Complete
- (b) Designate as a separate contract bid line item.  Complete
4. Can existing or proposed drainage inlets utilize an excavated sediment trap as described in SC-10 (Storm Drain Inlet Protection- Type 2)?  Yes  No
- (a) Include with other types of SC-10 (Storm Drain Inlet Protection).  Complete

Sediment/Desilting Basin (SC-2)

5. Does the project lie within a Rainfall Area where the required combination of temporary soil stabilization and sediment control BMPs includes desilting basins? (Refer to Tables 2-1, 2-2, and 2-3 of the Construction Site Best Management Practices Manual for Rainfall Area requirements.)  Yes  No
- (a) Consider feasibility for desilting basin allowing for available right-of-way within the project limits, topography, soil type, disturbed soil area within the watershed, and climate conditions. Document if the inclusion of sediment/desilting basins is infeasible.  Complete
- (b) If feasible, design desilting basin(s) per the guidance in SC-2 Sediment/Desilting Basins of the Construction Site BMP Manual to maximize capture of sediment-laden runoff.  Complete
- Designate as a separate contract bid item.  Complete
6. Will the project benefit from the early implementation of proposed permanent Treatment BMPs? (Coordinate with District Construction.)  Yes  No
- (a) Edit Order of Work specifications for permanent treatment BMP work to be implemented in a manner that will allow its use as a construction site BMP.  Complete

Sediment Trap (SC-3)

7. Can sediment traps be located to collect channelized runoff from disturbed soil areas prior to discharge?  Yes  No
- (a) Design sediment traps in accordance with the Construction Site BMP Manual.  Complete
- (b) Designate as a separate contract bid line item.  Complete



<b>Construction Site BMPs</b>			
<b>Checklist CS-1, Part 3</b>			
Prepared by:	Date:	District-Co-Route:	
<u>Ragaei Ayoub</u>	<u>8/30/2007</u>	<u>08-SBD-15</u>	
PM (KP):	EA:		
<u>30.8/40.4</u>	<u>OK120</u>		
RWQCB:			
<u>Lahontan</u>			

**Tracking Controls**

Stabilized Construction Entrance/Exit (TC-1)

1. Are there points of entrance and exit from the project site to paved roads where mud and dirt could be transported offsite by construction equipment? (Coordinate with District Construction for selection and preference of tracking control BMPs.)  Yes  No
  - (a) Identify and designate these entrance/exit points as stabilized construction entrances (TC-1).  Complete
  - (b) Designate as a separate contract bid line item.  Complete

Tire/Wheel Wash (TC-3)

1. Are site conditions anticipated that would require additional or modified tracking controls such as entrance/outlet tire wash? (Coordinate with District Construction.)  Yes  No

Designate as a separate contract bid line item.  Complete

Stabilized Construction Roadway (TC-2)

3. Are temporary access roads necessary to access remote construction activity locations or to transport materials and equipment? (In addition to controlling dust and sediment tracking, access roads limit impact to sensitive areas by limiting ingress, and provide enhanced bearing capacity.) (Coordinate with District Construction.)  Yes  No
  - (a) Designate these temporary access roads as stabilized construction roadways (TC-2).  Complete
  - (b) Designate as a separate contract bid line item.  Complete

Street Sweeping and Vacuuming (SC-7)

1. Is there a potential for tracked sediment or construction related residues to be transported offsite and deposited on public or private roads? (Coordinate with District Construction for preference of including street sweeping and vacuuming with tracking control BMPs.)  Yes  No

Designate as a separate contract bid line item.  Complete



**Construction Site BMPs  
Checklist CS-1, Part 4**

Prepared by: Ragaei Ayoub    Date: 8/30/2007    District-Co-Route: 08-SBD-15  
 PM (KP): 30.8/40.4    EA: OK120  
 RWQCB: Lahontan

**Wind Erosion Controls**

Wind Erosion Control (WE-1)

1. Is the project located in an area where standard dust control practices in accordance with Standard Specifications, Section 10: Dust Control, are anticipated to be inadequate during construction to prevent the transport of dust offsite by wind? *(Note: Dust control by water truck application is paid for through the various items of work. Dust palliative, if it is included, is paid for as a separate item.)*     Yes     No
  
- (a) Select SS-3 (Hydraulic Mulch), SS-4 (Hydroseeding), SS-5 (Soil Binders), SS-7 (Geotextiles, Plastic Covers, & Erosion Control Blankets/Mats), SS-8 (Wood Mulching) or a combination to cover the DSA subject to wind erosion year-round, especially when significant wind and dry conditions are anticipated during project construction. (Coordinate with District Construction for selection and preference of wind erosion control BMPs.)     Complete
  
- (b) Designate as a separate contract bid line item.     Complete



<b>Construction Site BMPs</b>			
<b>Checklist CS-1, Part 5</b>			
Prepared by: <u>Ragaei Ayoub</u>	Date: <u>8/30/2007</u>	District-Co-Route: <u>08-SBD-15</u>	
PM (KP): <u>30.8/40.4</u>	EA: <u>OK120</u>		
RWQCB: <u>Lahontan</u>			

**Non-Storm Water Management**

Temporary Stream Crossing (NS-4) & Clear Water Diversion (NS-5)

1. Will construction activities occur within a waterbody or watercourse such as a lake, wetland, or stream? (Coordinate with District Construction for selection and preference for stream crossing and clear water diversion BMPs.)  Yes  No
  
- (a) Select from types offered in NS-4 (Temporary Stream Crossing) to provide access through watercourses consistent with permits and agreements.<sup>1</sup>  Complete
  
- (b) Select from types offered in NS-5 (Clear Water Diversion) to divert watercourse consistent with permits and agreements.<sup>1</sup>  Complete
  
- (c) Designate as a separate contract bid line item(s).  Complete

Other Non-Storm Water Management BMPs

2. Are construction activities anticipated that will generate wastes or residues with the potential to discharge pollutants?  Yes  No
  
- (a) NS-1 (Water Conservation Practices), NS-3 (Paving and Grinding Operations), NS-8 (Vehicle and Equipment Cleaning), NS-9 (Vehicle and Equipment Fueling), NS-10 (Vehicle and Equipment Maintenance).  Complete
  
- (b) BMP as a separate contract bid line item.  Complete



<b>Construction Site BMPs</b>			
<b>Checklist CS-1, Part 6</b>			
Prepared by: <u>Ragaei Ayoub</u>	Date: <u>8/30/2007</u>	District-Co-Route: <u>08-SBD-15</u>	
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RWQCB: <u>Lahontan</u>			

**Waste Management & Materials Pollution Control**

Concrete Waste Management (WM-8)

1. Does the project include concrete pours or mortar mixing? X Yes  No
- (a) Select from types offered in WM-8 (Concrete Waste Management) to provide concrete washout facilities. In addition, consider portable concrete washouts and vendor supplied concrete waste management services. (Coordinate with District Construction for selection and preference of waste management and materials pollution control BMPs.) X Complete
- (b) Designate as a separate contract bid line item if the quantity of concrete waste and washout are anticipated to exceed 5.2 yd<sup>3</sup> or if requested by Construction. X Complete

Other Waste Management and Materials Pollution Controls

2. Are construction activities anticipated that will generate wastes or residues with the potential to discharge pollutants? X Yes  No
- (a) Identify potential pollutants associated with the anticipated construction activity and select the corresponding BMP such as WM-1 (Material Delivery and Storage), WM-2 (Material Use), WM-4 (Spill Prevention and Control), WM-5 (Solid Waste Management), WM-6 (Hazardous Waste Management), WM-7 (Contaminated Soil Management), WM-9 (Sanitary/Septic Waste Management) and WM-10 (Liquid Waste Management) X Complete
- (b) Verify that costs for waste management and materials pollution control BMPs are identified in the contract documents. Designate BMP as a separate contract bid line item if the requirements in Construction Site Management (SSP 07-346) are anticipated to be inadequate or if requested by Construction. X Complete

Temporary Stockpiles (Soil, Materials, and Wastes)

3. Are stockpiles of soil, etc. anticipated during construction? X Yes  No
- (a) Select WM-3 (Stockpile Management), SS-3 (Hydraulic Mulch), SS-4 (Hydroseeding), SS-5 (Soil Binders), SS-7 (Geotextiles, RECPs etc.), or a combination as appropriate to cover temporary stockpiles of soil, etc. X Complete
- (b) Select linear sediment barrier such as SC-1 (Silt Fence), SC-5 (Fiber Rolls), SC-6 (Gravel Bag Berm), SC-8 (Sand Bag Barrier), SC-9 (Straw Bale Barrier), or a combination to encircle temporary stockpiles of soil, etc. (Coordinate with District Construction for selection and preference of BMPs related to stockpiles.)  Complete



- (c) Designate as a separate contract bid line item if the requirements in Construction Site management (SSP 07-346) are anticipated to be inadequate or if requested by Construction. X Complete
  
- 4. Is there a potential for dust and debris from construction material (fill material, etc.) and waste (concrete, contaminated soil, etc.) stockpiles to be transported offsite by wind? X Yes    No
  - (a) Select SS-7, temporary cover, plastic sheeting or other BMP to cover stockpiles subject to wind erosion year-round, especially when significant wind and dry conditions are anticipated during project construction. (Coordinate with District Construction for selection and preference of wind erosion control BMPs.) X Complete
  
  - (b) Designate as a separate contract bid line item. X Complete

