

Caltrans District 11
NPDES
STORM WATER QUALITY INFORMATION HANDOUT

This Storm Water Quality Information Handout will serve to provide additional comments to aid the contractor in submitting a SWPPP that is adequate and contains any and all requirements of Section A of order 99-08DWQ

PROJECT DESCRIPTION

The total project area is 68.54 Hectares (169.4 acres), and the total disturbance area is 68.54 Hectares (169.4 acres). There is no aerially deposited lead (ADL) in this project. The Route 56 project will go through a designated coastal zone. Refer to Coastal Zone Permit for all conditions.

TYPE OF WORK

Roadway excavation and grading, roadway embankment, AC placement, PCC placement, misc. concrete, PCC bridge construction, minor concrete-minor structures, drainage facilities, traffic and electrical work, row fence work.

WATER POLLUTION CONTROL ITEMS IN PLANS

The following contract items of work shall be incorporated into the SWPPP as "Temporary Water Pollution Control Practices". Any additional quantities will be paid for as an adjustment in quantity.

Temporary Fiber Rolls- Install on the face of slopes at intervals, according to the table below, to intercept runoff, reduce flow velocity, to release the runoff as sheet flow, and provide sediment removal.

Temporary Desilting Basin- Install to catch runoff below bridge construction areas when 1.5:1 slopes are built. Also, at low points of the alignment profile, before finish grade and permanent drainage structures are in use. The basin will detain sediment runoff by allowing sediment to settle in basin. Dimensions shown on plans conform to Construction General Permit requirements of 10-year, 6-hour storm with detention time not to exceed 72 hours. Desilting Basins should be scheduled for installation concurrent with adjacent grading operations.

Temporary Erosion Control- Quantities represent 1 application per rainy season.

Temporary Erosion Control (Bonded Fiber Matrix) - Install on the face of slopes along bridge abutments and long steep slopes adjacent to waterbodies. Bonded Fiber Matrix should be applied according to manufacturer's specifications.

Temporary Gravel Bags - Install along shoulder and median sections where permanent drain inlets are in use. Also, where existing drain inlets are in place and affected by construction. No gravel bags shall be used in recovery zone when live traffic is present.

Temporary Concrete Washout - Located to provide the washing of concrete trucks and equipment. The Engineer and the Contractor may negotiate changing the locations of the temporary concrete washouts based on convenience to the construction site. These BMPs may not affect undisturbed areas that are not already disturbed by construction activities, as requested by the Environmental Branch. The Engineer may direct the Contractor to use portable concrete washouts instead of fixed concrete washouts where deemed necessary.

Temporary Construction Entrance (plates) - Install at designated areas where movements of trucks will enter into existing paved streets. This will help reduce the tracking of mud and dirt onto public roads. This should be used in conjunction with street sweeping.

No silt fences will be used for linear sediment control.

WATER POLLUTION CONTROL LUMP SUM (SCHEDULE OF VALUES)

Table should include all water pollution control items that are not listed as contract items, such as Temporary Stream Crossing, Wind Erosion Control, Non-Storm Water Management, Waste Management and Material Pollution Control, Material Storage, Stock Pile Management, Street Sweeping and Vacuuming, and all other measures required by an approved SWPPP.

DISTURBED SOIL AREA LIMIT OF 15 HECTARES

At no time during the rainy season is the active disturbed soil area (DSA) limit to exceed 15 hectares. Disturbed soil areas shall be considered active whenever, the soil disturbing activities have occurred, and continues to occur, or will occur during the ensuing 14 days. Non-active areas shall be protected as prescribed in the Construction Site BMP Manual within 7 days of cessation of soil disturbing activities or prior to the onset of precipitation, whichever comes first. Haul roads will be considered stabilized when side slopes have been treated with temporary erosion control, the road surface has been compacted to 95%, and runoff from the roadway drains to an approved sediment trap or desilting basin. Design calculations for desilting basins shall be submitted to the RE for approval. Existing non-vegetated agricultural areas shall be stabilized prior to October 1st of each year.

STREAM CROSSINGS

All stream crossings shall be submitted to the Engineer for approval. All crossings must comply with all requirements of the Department of the Army Permit No. 972001400TCD "1601" permit and all other permits required for this project. All crossings shall include a plan for revegetation. Please refer to the tables below for appropriate flow rates.

GONZALEZ CREEK

STORM EVENT	FLOWRATE
100	8.5 cms = 300 cfs
50	6.1 cms = 216 cfs
10*	100 cfs*
5*	72 cfs*
2*	46 cfs*
1*	33 cfs*

* Extrapolated Value

McGONIGLE CREEK

STORM EVENT	FLOWRATE
100	53.0 cms = 1872 cfs
50	39.1 cms = 1381 cfs
10*	680 cfs*
5*	500 cfs*
2*	335 cfs*
1*	245 cfs*

* Extrapolated Value