**Treatment BMPs
Checklist T-1, Part 5**

Prepared by: Date: District-Co-Route:

PM: Project ID/EA: RWQCB:

***Traction Sand Traps***

***Feasibility***

1. Can a Detention Device be sized to capture the estimated traction sand and the WQV, or portion thereof, from the tributary area? [ ]  Yes [ ]  No

If Yes, then a separate Traction Sand Trap may not be necessary. Coordinate with the District/Regional Design Stormwater Coordinator and also complete Checklist T-1, Part 5.

1. Is the Traction Sand Trap proposed for a site where sand or other traction enhancing substances are applied to the roadway at least twice per year? [ ]  Yes [ ]  No
2. Is adequate space provided for maintenance staff and equipment access for annual cleanout? [ ]  Yes [ ]  No

If the answer to any one of Questions 2 or 3 is No, then a Traction Sand Trap is not feasible.

1. Does adequate area exist within the RW to place Traction Sand Traps? [ ]  Yes [ ]  No

If Yes, continue to Design Elements section. If No, continue to Question 5.

1. If adequate area does not exist within RW, can suitable, additional RW be acquired to site Traction Sand Traps and how much RW would be needed? \_\_\_\_\_\_\_\_\_ acres [ ]  Yes [ ]  No

If Yes, continue to the Design Elements section. If No, continue to Question 6.

1. If adequate area cannot be obtained, document in Section 6 of the SWDR that the inability to obtain adequate area prevents the incorporation of this Treatment BMP into the project. [ ]  Complete

***Design Elements***

**\* Required Design Element –** A “Yes” response to these questions is required to further the consideration of this BMP into the project design. Document a “No” response in Section 5 of the SWDR to describe why this Treatment BMP cannot be included into the project design.

**\*\* Recommended Design Element –** A “Yes” response is preferred for these questions, but not required for incorporation into a project design.

1. Has site Caltrans Maintenance Station been contacted to provide the amount of traction sand used annually at the location? \* [ ]  Yes [ ]  No

List application rate reported. \_\_\_\_\_\_\_\_\_\_ yd3

1. Does the Traction Sand Trap have enough volume to store settled sand over the winter (see Section 3.2 of Caltrans TST Design Guidance)? \* [ ]  Yes [ ]  No
2. If the Traction Sand Trap has either an open bottom or weep holes, is the invert a minimum of 3 ft above seasonally high groundwater? \* \* [ ]  Yes [ ]  No
3. Is the maximum depth of the storage within 10 ft of the ground surface, or another depth as required by District Maintenance? \* (Inlet or vault type) [ ]  Yes [ ]  No
4. Can peak flow be diverted around the device? \*\* (Inlet or vault type) [ ]  Yes [ ]  No
5. Is a 6-inch separation provided between the top of the captured traction sand and the outlet from the device, in order to minimize re-suspension of the solids? \*\* (Inlet or vault type) [ ]  Yes [ ]  No