

State Route 79 Realignment Project: Impervious Surface Area Summary Memorandum

PREPARED FOR: Caltrans, District 8
Riverside County Transportation Commission

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The purpose of this memorandum is to provide supplemental information about the impervious groundcover that would be added by the State Route (SR) 79 Realignment Project (Project or proposed Project), consistent with the proposed roadway design. This memorandum summarizes the Project-related impervious surface area included in the Final Water Quality Assessment Report of May 2008 and its subsequent Technical Report Addendum Memorandum and Supplemental Memorandum to File of June 2010. As discussed in these reports, an increase in storm water runoff due primarily to the increase in impervious groundcover would be a permanent impact of the Project.

Pre-Project Condition

The Project traverses mostly agricultural and undeveloped/vacant land, with scattered residences and scattered commercial uses. The existing impervious surface within the proposed Project right-of-way, is composed of local streets, driveways, and roofs, most of which would be removed when the Project would be constructed.

Post-Project Condition

For the post-Project condition, the amounts of impervious surface area that would be added within the Project right-of-way for each of the Build alternatives (both the base conditions and design options) are shown in Table 1. The content in Table 1 supersedes the amounts of added impervious surface area that were provided in the Final Water Quality Assessment Report and subsequent Memorandums.

Table 1 Impervious Groundcover Added by Each Project Build Alternative

Build Alternative	Roadway Segments	Impervious Groundcover hectares (acres)
1a	A, E, J, I, J, L, N	95.7 (236.8)
1b1 – Base Condition	B, C, G, I, K, M, N	91.5 (226.4)
1b2 – Design Option	B, C, G, I, K, M, N	92.7 (229.3)
2a	A, F, H, I, K, L, N	94.2 (233.2)
2b1 – Base Condition	B, D, H, I, J, M, N	90.6 (224.1)
2b2 – Design Option	B, D, H, I, J, M, N	91.8 (226.8)