

APPENDIX C | ROAD ESTIMATES SUMMARY TABLE BY PROJECT

Proposed Road Types and Lengths for select "Fast Track" Solar Facility Proposals in California						
Proposal Name	Paved Off-Site Access Roads	Site Paved Roadways	Unpaved Roadways	Solar Field Access Roads	Unspecified Roads	Comments
Solar Millennium - Blythe	3 miles long	N/A	N/A	N/A	Misc. "Stub" access roads 100ft long each	Although the AFC mentions that other roads will be built, our group could not find details regarding total area or length of road to be constructed.
Solar Millennium - Ridgecrest	700ft long, 24ft wide	N/A	1,800ft long, 15ft wide	N/A	Two 1,500 acceleration lanes and two 1,000 deceleration lanes added to existing road	N/A
Solar Millennium - Palen	1,350ft long, 24ft wide	N/A	N/A	N/A	N/A	15ft wide access road will be constructed along the distance of the transmission tower alignment
Beacon Solar Energy Project	N/A	N/A	N/A	N/A	Two 1,500 acceleration lanes and two 1,000 deceleration lanes added to existing road; Misc. "Stub" access roads 115ft long by 12ft wide each; transmission line access road 17,300ft long by 14ft wide	Within the Biological Resources section, the developer has laid out two options for road development, both of which would have a different level of impact. Until an option is chosen, the level of road impacts remain uncertain.
Abengoa Mojave	Site access is provided by an existing road (Harper Lake Road)	N/A	N/A	N/A	States that each 20 acre power island would include ~1.75 acres of paved area	N/A
Genesis Solar	6.5 miles long, 50ft wide, 16 acres of temporary construction disturbance	6.5 miles long, 30ft wide, 24 acres of permanent disturbance	N/A	60 spur roads 70ft long, 14ft wide each for a total permanent disturbance area of 114 acres	Internal Road System will include roads that are 24ft wide with an unspecified total length	N/A
City of Palmdale - Hybrid Gas-Solar	N/A	22ft wide on-site access roads with an unspecified total length	N/A	N/A	Unspecified number of stub roads will be added averaging 50ft long and 14ft wide	This project is in an area characterized by more dense development than any of the other fast track applications. There are multiple existing roadways.

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Solar One	3 miles long, 30ft wide, permanent disturbance area of 11 acres	38 miles long, 12ft wide, permanent disturbance area of 111 acres	10 miles long, 12ft wide, permanent disturbance area of 15 acres	587 miles long total, 12-15ft wide, permanent disturbance area of 995 acres	N/A	N/A
Solar Two	1.3 miles long, 30ft wide, permanent disturbance area of 3.6 acres	25.2 miles long, 45ft wide, permanent disturbance area of 137.6 acres	11.2 miles long, 12ft wide, permanent disturbance area of 16.2 acres	270 miles long total, 12ft wide, permanent disturbance area of 393 acres	N/A	N/A
Ivanpah	N/A	N/A	N/A	N/A	N/A	Although the AFC mentions that other roads will be built, our group could not find details regarding total area or length of road to be constructed.
San Joaquin Solar 1 & 2	N/A	7.5 miles long, 20ft wide (serves both plants)	N/A	N/A	N/A	The AFC indicates that the 7.5 miles of proposed roads will be the total needed for both plants. This may be due to the fact that there is active agriculture in the area and therefore multiple existing roadways.
Rice Solar Energy Project	N/A	N/A	4.6 miles long, 24ft wide for the gen tie-in service road	N/A	AFC mentions a road of unspecified width, length, and type that will serve as a perimeter access road to the heliostats.	N/A
<p>* "N/A" indicates the AFC did not specifically reference the type of road and construction details</p> <p>* All estimates are taken from the Application for Certification materials in the following sections: Project Description, Biobgical Resources, Land Use, Visual Resources, and Traffic and Transportation.</p>						