



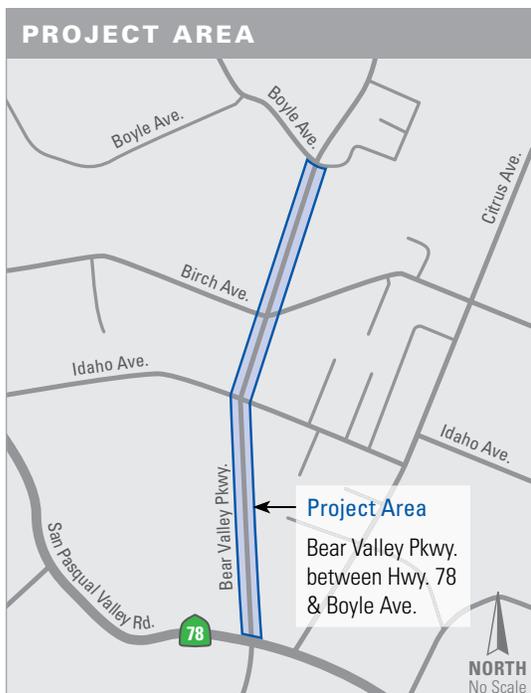
# The End is Near

In April, crews will begin tying together the improvements from both sides of the roadway and preparing to complete the Bear Valley Parkway expansion project. Early in the project crews focused on utility pipeline removal and replacement to underground dry utilities and remove utility poles from the roadway. Crews also relocated and installed larger-capacity water and sewer pipelines. This home-stretch of project focuses on building the roadway now that the utility work is done, and finishing connector-road access so travel can move freely.

Remaining steps for completing the project include:

- › **Roadway Grading and Pouring:** Crews will continue the process of rough grading, fine grading, and paving the roadway to create a flat, balanced asphalt road for traffic. Crews are moving from SR-78 to Boyle Avenue with this surface road building.
- › **Landscaping:** Crews will plant native landscaping in the medians and sidewalks to beautify Bear Valley Parkway. To establish these plants, crews will install water pipelines in the landscaping areas and connect the pipelines to the new water line that was installed under the roadway earlier in the project.
- › **Traffic Signal Programming:** Crews will coordinate with the County of San Diego and SDG&E to connect the traffic signals that have been installed on the project site. Signals that have been activated will be programmed to efficiently time travel flow through the area.
- › **Connector Tie-in:** As crews pave the roadway, they will connect the side roads that access Bear Valley Parkway, like Boyle and Birch Avenues.

As the roadway comes closer to completion, drivers will begin seeing fresh pavement and early landscaping planting. Look out for these improvements when you travel on Bear Valley Parkway in the coming months.



## Project Update: Current Construction Activities

In April, crews will work on the following:

- › **Rough-Grading Roadway:** Crews will level the roadway using soil compactors to release air pockets from under the surface.
- › **Fine-Grading Roadway:** After the rough-grade, crews will pour and compact a finer soil-cement mixture layer to further ensure there are no air pockets or areas where the road could settle, which could create cracks and potholes over time.

- › **Base-Paving Roadway:** After applying the two grading-layers, crews will base-pave the roadway. This layer of asphalt provides the foundational level of roadway that the ultimate final layer of asphalt will be poured on top of. This adhesive level of asphalt provides a flat and sticky base for the final paving layer.
- › **Landscaping Pipelines:** Crews are installing main and lateral (smaller, off-shoot) water pipes in the landscaping areas of the project. Crews will plant landscaping and support this new landscaping with water until the plants are established.



Crews prepare to pour new sidewalk

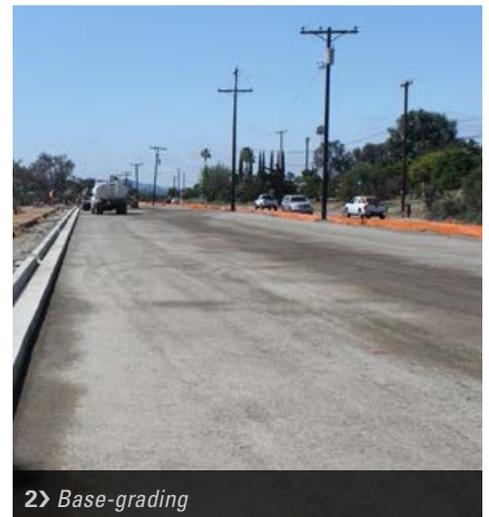
## Seeing it Right Before Your Very Eyes

Crews are hard at work paving the roadway at Bear Valley Parkway. The process of building a road includes 2 stages of grading, followed by 2 stages of paving.

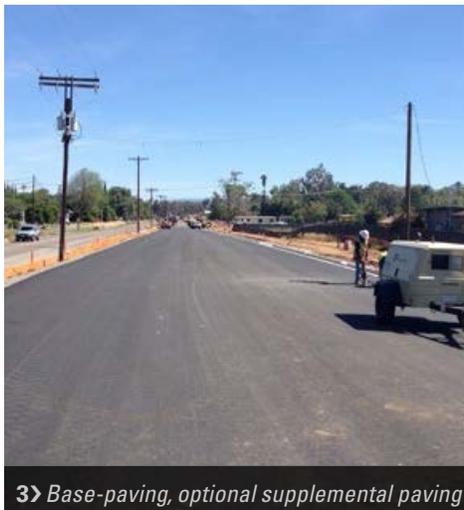
- 1› First, the existing roadway is excavated and removed, and the soil is flattened and compacted to form a dense and solid foundation for the roadway. This is known as rough-grading, and crews follow this by fine-grading to accomplish a dense, level roadway.
- 2› Next, crews base-grade by laying aggregate base of materials over the graded roadway. This provides a balanced level of materials that additional layers are paved upon.
- 3› After the grading is complete, crews base-pave the first layer of asphalt and level the roadway. Up to four layers of asphalt can be poured in succession to form the roadway, depending on the engineering needs of the project.
- 4› Finally, crews install signage and paint directional traffic lines for drivers. When this is complete, drivers will experience a flat, balanced roadway with fresh asphalt and signage to improve the area.



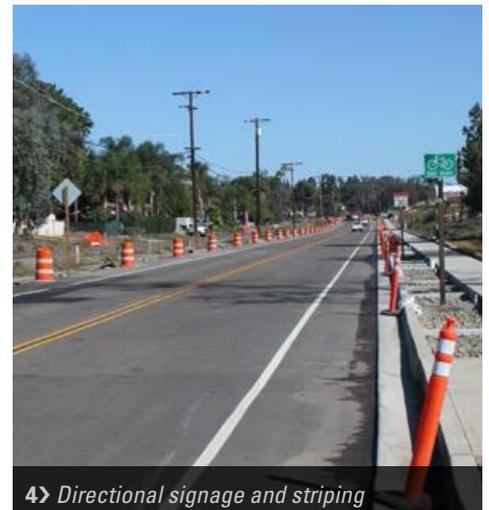
1› Rough-grading the roadway



2› Base-grading



3› Base-paving, optional supplemental paving



4› Directional signage and striping