



Crews place temporary asphalt concrete for pedestrians and bicyclists to use during construction.

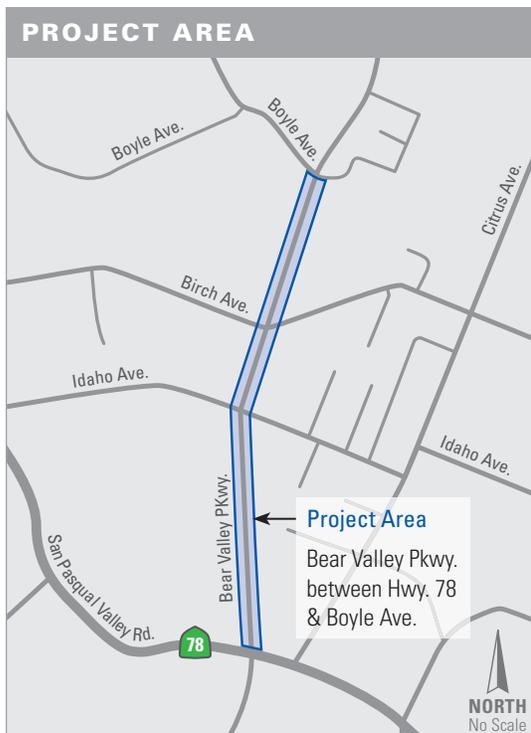
## Year in review: Construction progress to date

2014 has been a busy year for the Bear Valley Parkway North Widening Project. Construction on the new and improved roadway is in full swing. Dirt officially started moving with a groundbreaking ceremony on August 27 and things haven't slowed down since. Major work activities to date are:

- ▶ **Roadway preparation:** Earthwork to create the foundation for the new roadway is continuing.
- ▶ **Utility improvements:** Installation of a new 24" polyvinyl chloride water pipeline is approximately 50 percent complete. This installation will continue until the spring of 2015, moving south from Birch Avenue towards SR 78. Dry utilities - such as the gas line, cable and phone - are planned to be installed during the first part of 2015.
- ▶ **Storm drain improvements:** Excavation for the storm drain has started. New curb inlet boxes are being installed to help prevent future roadway flooding when heavy rainstorms take place.
- ▶ **New retaining walls:** Two retaining walls have been built and filled, one at Idaho Avenue and one at Boyle Avenue. These retaining walls help to restrain and secure soil in place between two different elevations.
- ▶ **Revegetation:** Hydro-mulching is continuing at the site. This process uses a mixture of seeds and mulch to re-introduce native, drought-tolerant vegetation to the area.

The project team is excited to continue its important work to improve Bear Valley Parkway in the new year. As 2014 comes to a close and the holidays are upon us, make sure any guests that may be visiting are aware of the construction activities on Bear Valley Parkway. The normal construction schedule is 7 a.m. to 3:30 p.m. Monday through Friday. Construction crews will have Thursday, December 25, Friday, December 26, Thursday January 1 and Friday, January 2 off to celebrate the holidays with their families.

The County of San Diego wishes everyone a wonderful holiday season. Please call our information line at (760) 630-ROAD if you have questions.



## What's the dirt?

Since August's groundbreaking ceremony, the project has been a dirty job, literally. Our contractor, Southland Paving Inc., has been digging dirt, moving it, and spraying it down. You may be wondering, *what's the dirt on all this dirt?*

This is the earthwork stage of the project. It creates the foundation for the future roadway. It's steps are:

1. The dirt is sifted to remove any debris that could create air pockets.
2. Crews cut slopes and move the dirt from them to fill embankments to create an even elevation for the new roadway.
3. The sifted dirt is then leveled to create the new roadway.

4. This new roadway dirt is then sprayed with water and compacted.
5. Once the surface for the new roadway is in place, utility installation can begin.
6. Any areas that had been excavated are then backfilled with dirt, which is again moistened and compacted to create a sturdy foundation.
7. Finally, a gravel mixture of sand and finer material is layered on the road bed. The layers are moistened and compacted, until the road bed is the height defined in the design plans.
8. Throughout the earthwork soil is sampled to check density and ensure that the standards and specifications for the project are met.



Earthwork at the project site

Now you have the inside scoop on earthwork. Your future smooth ride started with the important, although dirty work we are doing right now.

## Meet the Team

### County of San Diego Project Engineer Ali Pirouzian

**Q** What is your role on the project?

**A** As the Senior Civil Engineer, I am responsible for overseeing the inspection and contract administration of all construction aspects of the project to ensure contractor compliance with the contract as well as all related County, State and Federal permits. In addition, I work with the contractor to solve problems that arise in the field, to minimize delays in construction and keep the project moving. I also oversee issues such as stormwater, safety and traffic control, which are important to the project and



Project Engineer Ali Pirouzian at project site

often of interest to the community.

**Q** What did you do before you came to work for the County of San Diego Department of Public Works?

**A** Previously, I worked in private industry as a civil and structural design engineer, project estimator and project engineer. I worked on both design and construction projects for buildings, roads bridges, channels and airports.

**Q** What is your favorite part of your job?

**A** Providing a successful completed project for the community and public within budget and on time.

**Q** What do you do in your free time?

**A** I spend time with my family, travel, play and watch sports like soccer, volleyball, football and tennis.

**Q** What construction activities are planned in the new year?

**A** The contractor will continue installing the 24" water line and storm drain structures and pipes on the east side of Bear Valley Parkway. Also, installation of a 16" transmission gas line will begin in the new year, as well as a dry utilities joint trench for SDG&E, AT&T and Cox

Communications. Later in the year, work will include curb and gutter, sidewalk and bioretention basins (to filter the storm runoff from the roadway.) These will all be on the east side of the road.

### What is a SWPPP?

*Did You Know*

A Storm Water Pollution Prevention Plan (SWPPP) is required for this construction project. Its purpose is to prevent pollutants and sediment from entering storm drains which ultimately affect the water quality of our nearby waterways. This project's SWPPP was prepared prior to the start of construction and includes:

- Temporary silt fences and fiber rolls to control sediment
- Hydro-mulching and temporary covers to control erosion
- Sampling of stormwater runoff during rain events