



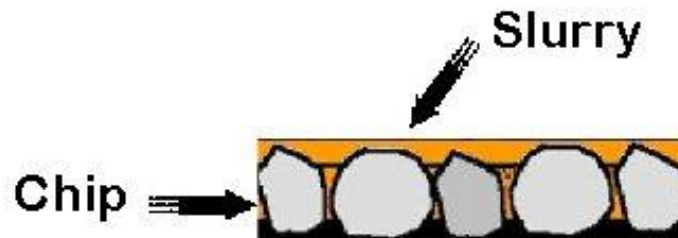
## Cape Seal

- What is cape seal?
- What can you expect to see during construction?
- What will the road look like when it is finished?
- Why was cape seal chosen for our neighborhood?



## What Is Cape Seal?

- Cape Seal is an integrated process, with one road treatment followed by another.
- It begins with chip seal, followed by a slurry seal.



### Cape Seal will ....

- *Give all the roads in your neighborhood a uniform color, and smoother driving surface than chip seal*
- *Prevent crumbling and cracking*
- *Keep your roads in good condition for years*



## What Is Cape Seal?

- Developed in South Africa by the Cape of Good Hope Provincial Administration in the 1950s.



- Cape seal has been used successfully in the U.S. since the 1970s and the City of Visalia for many years.



## Step 1: Street Preparation

- **Workers will be milling the asphalt to repair distressed or damaged areas.**
- **Workers will remove grass, weeds, and other debris so work will begin on a clean surface.**



## Step 2: Chip-Sealing

- Workers will seal the road surface with a layer of asphalt “chips,” which is a mixture of liquid asphalt and stone.
- To prevent asphalt from damaging vehicles, it is blotted with a layer of stone dust.
- There will be a rougher surface than usual during this phase. Pedestrians and bicyclists should use caution.  
***This is a temporary condition!***







## Step 3: Sweeping

- Approximately one week after the application of chip seal, workers will return to sweep or vacuum loose stone and sand.



## Step 4: Slurry Seal

- The final travel surface is applied, a mix of crushed stone and liquid asphalt.
- The surface will have a slightly texturized surface, which will be smoothed out over time by traffic.
- The new surface will have a slightly brownish tint for several hours until it has cured. When it has cured, the material will darken to black.





# Finished Cape Seal: Photos



Presentation Produced by Virginia Department of Transportation  
Adapted for use by the City of Visalia



## Why was Cape Seal chosen?

- Cape seal is ideal for residential neighborhoods that call for a smoother texture than chip seal.
- Cape Seal addresses fair-to-moderately cracked pavement, and provides a skid-resistant surface with a long service life.
- Cape Seal combines the advantages of two sealing preventive maintenance methods.
- Cape Seal minimizes water penetration, reducing damage to the road bed.



## Why was Cape Seal chosen?

- **Finish and ride is similar to asphalt, but the price is substantially lower, allowing us to improve more neighborhoods every year.**
- **Cape seal combines the durability of a chip seal with the smoothness of a slurry seal.**
- **Less expensive than patching only, waiting for 10+ years, and having to do a complete road reconstruction or rehabilitation.**