



**Cape Seal Road Treatment 2013
Governor's Green, Maple Grove and Waverly Village**

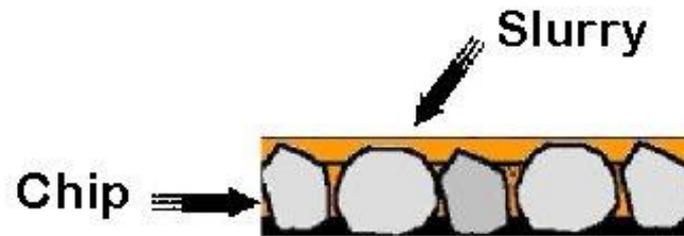
**Virginia Department of Transportation
Fredericksburg District**

Tonight's Agenda

- **Welcome and introductions**
- **What is cape seal?**
- **What can I expect to see during construction?**
- **What will the road look like when it is finished?**
- **Why was cape seal chosen for our neighborhood?**
- **How to contact us**
- **Questions and answers**

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 by VDOT in Richmond and Shenandoah Valley neighborhoods.**

Step 1: Street Preparation

- **Begins Monday, March 25**
- **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 two weeks 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

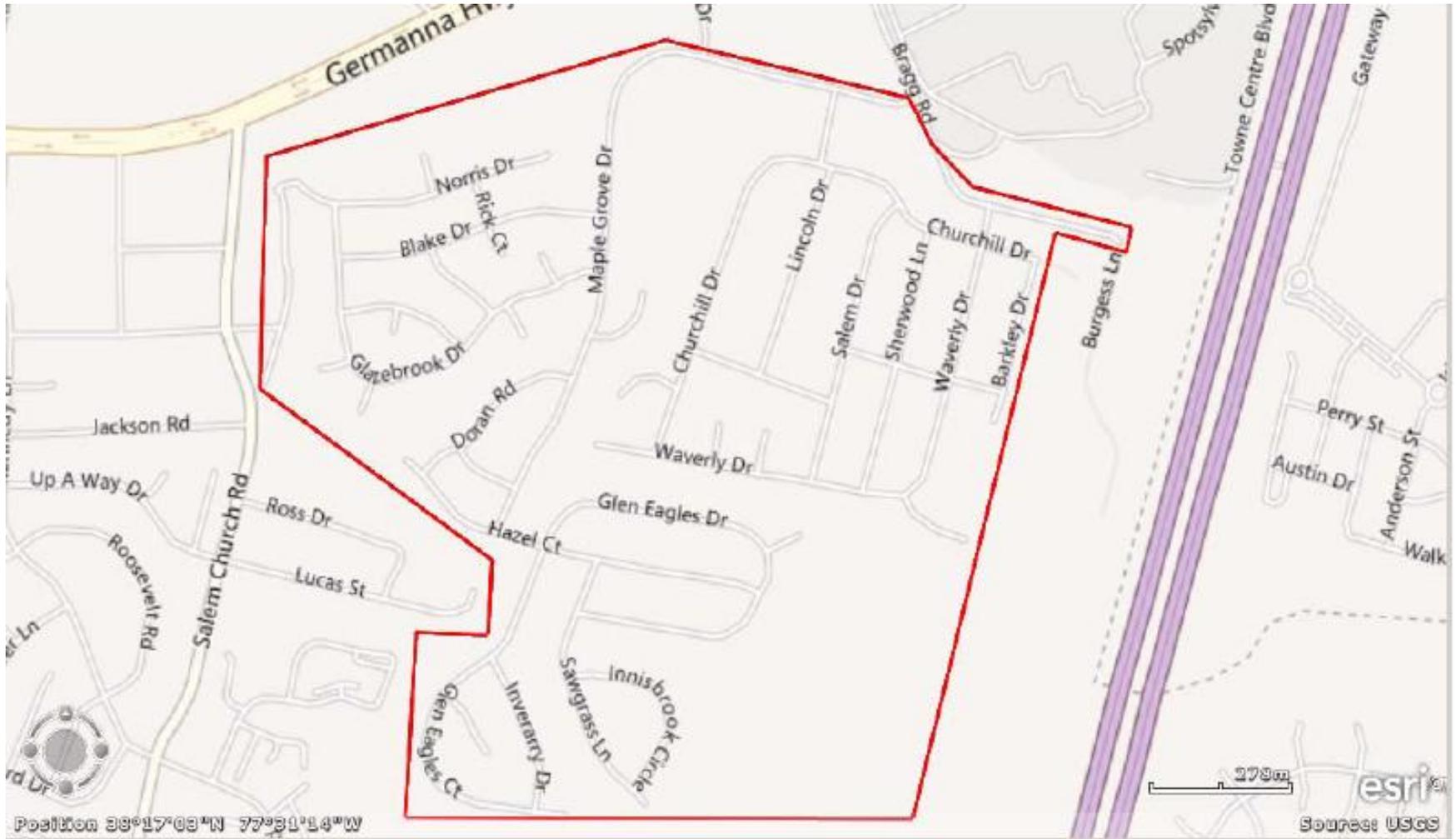






Project Location Map for 2013

Maple Grove, Waverly Village, and Governor's Green



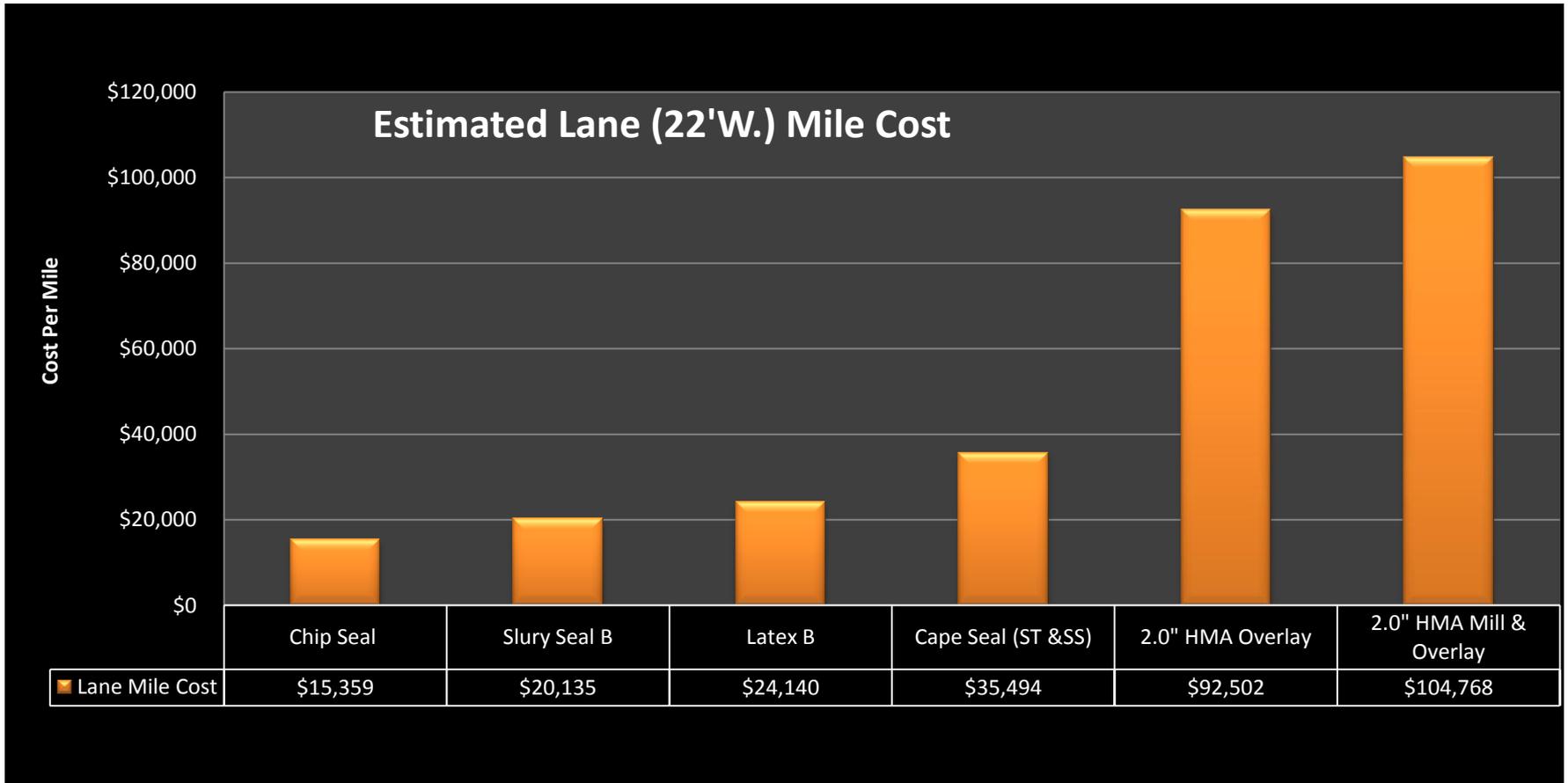
Why was Cape Seal chosen for our neighborhood?

- **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 for our neighborhood?

- **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.**

Road Treatments: Lane Mile Cost Comparison



How can I contact VDOT?

Call Us!

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