

What is the Overlay Process?

- 1) Crews repair broken curbs, sidewalks, and rebuild the sidewalk ramps to meet the most current ADA (Americans with Disabilities Act) guidelines, which makes the ramps to the sidewalks easily accessible to all.
- 2) If the sidewalk ramps are being constructed at signalized intersections, new ADA compliant signal equipment may also be installed when the old concrete is removed.
- 3) Sidewalk removal and replacement generally happens quickly; however, it may take up to a week at each location if traffic signal improvements are needed.
- 4) After the curb and sidewalk repairs are completed, the roadway is prepped for the asphalt overlay. Spots with severe defects or cracking in the asphalt may be removed and patched.
- 5) The roadway is then milled/ground down to allow for the placement of the new asphalt surface to match the existing gutters and median islands.
- 6) When resurfacing occurs, the paving machine lays down hot (300 degree) asphalt from dump trucks delivering the hot asphalt. Large rollers compact the asphalt as it cools. When the street reaches its optimum compaction and has cooled enough to safely carry traffic, the travel lanes are reopened which can longer when the weather is hot.
- 7) After the paving is complete, the roadway is still not complete and more work needs to be done to finish the project Manhole covers and other utility covers in the roadway must be raised up to the top of the new asphalt. To get as smooth of a ride as possible, the paving equipment paves uninterrupted over the top of manhole covers and water or gas valves. The pavement is then cut away from around the existing utility covers and then they are adjusted
new lane markers,
At signalized
cut into the pavement
recognize when cars
are added at the loop
for a cyclist or
the traffic signals.



to the new roadway elevation. Then, crosswalk stripes and arrows are added. At signalized intersections, new loop detectors are so that the traffic signal equipment can reach the intersection. Bicycle symbols detectors to indicate the best location motorcycle to stop and be detected by