

# The City of Colleyville

## Street Maintenance Program



## Crack and Joint Seal Program

- Crack and joint seal maintenance is performed on a five-year maintenance cycle by sub-division. This procedure is done to help prevent water from penetrating asphalt and concrete pavement. If it is not done, cracking, pumping and the breakdown of the sub-grade structure of asphalt and concrete pavement can occur.



# Pothole Repair Program

- Potholes are created when moisture seeps into the pavement, first freezing and expanding, then thawing. This weakens the pavement. Traffic loosens the pavement even more, and it eventually crumbles. The pothole is first trimmed and squared up. Once the deteriorated asphalt is removed, a tack coat is applied and asphalt is added in layers. It is then leveled off and compacted with an asphalt pavement roller or other compaction equipment.



# Fog Seal Maintenance Program

- Fog seal maintenance is performed on the asphalt pavement of each newly constructed street--and every five years thereafter. Fog sealing is a method used to coat new hot-mix surfaces to lock in the materials and fill surface voids.
- Fog sealing ensures the reduction of early stone loss and adds life to the pavement. It is also used to rejuvenate older pavement.



# Pavement Resurfacing Program

## Two-inch Overlay

Two inches of hot-mix asphalt is applied to existing pavement to provide a new wearing surface.



## Mill and Overlay

Pavement is milled down two inches or more so a new riding surface can be applied without a significant change to the road elevation.



## Stabilization and Overlay

Existing asphalt is mixed into the sub-grade and cement or lime is added to stabilize the roadway. A two-inch asphalt surface is then applied.



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## Public Works Department

