



Public Works, Street Operations

Presents:

Crafting a Successful Utility Patching Program – It's An Art



Thomas McMinimee Street Operations Manager
Public Works – Street Operations

Why do we patch?

- To Extend the Life of the Roadway.
- To Extend Lifecycle Costs.
- For Customer Service.
- For Safety.

Types of Roadway Asphalt Patching

- Spot Patching
- Mill Patching
- Utility Patching
- Full Depth Patching

Type of Roadway Concrete Patching

- Spot Patching



Pavement Maintenance Strategies for Patching

Asphalt Material Available

- Sx Mix Asphalt (1/2" Nominal, up to 25% RAP)
- S Mix Asphalt (3/4" Nominal, up to 25% RAP)
- SG Mix Asphalt (1" Nominal, up to 35% RAP)
- Cold Mix Asphalt (eg: EZ Street, UPM Cold Mix)
- Tack Oil (MC-30, Vertical Face of Asphalt; CSS-1h for the Horizontal Face of Asphalt)

Concrete Patching Material Available

- High Strength, Rapid Set Repair Mortar (eg: HD-50, SikaQuick 2500, Transpatch, etc)



Picking the Right Mix for the Job.

- Asphalt Spot Patching
 - Sx or S Mix Asphalt.
 - Cold Mix Asphalt (when Hot Mix Asphalt is Unavailable).

- Mill and Utility Patching
 - Sx or S Mix Asphalt.

- Full Depth Patching
 - SG Mix Asphalt for Lower Lift Pavement (to Increase Structural Integrity of the Overall Asphalt Mat).
 - Sx or S Mix Asphalt for the Top Lift (for a Tight Waterproof Surface, and for a Smooth Ride for Customers).

- Concrete Spot Patching
 - High Strength, Rapid Set Repair Mortar (eg: HD-50, SikaQuick 2500, Transpatch, etc).
 - HMA is Acceptable for Temporary Use, Emergency Use.



Open Page



Questions or Concerns???

