



Burleigh County Highway Dept. Pavement Management Plan

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Burleigh County



Background

County

- Total Miles: 586
 - Paved: 173
 - Unpaved: 586

Township

- Total Miles: 898
 - Paved: 168
 - Unpaved: 730



Background Cont.

- Burleigh County Highway Department maintains all of the 1,484 miles of road within the County. This mileage includes 171 miles in approximately 500 subdivisions.
- Burleigh County also funds installation and maintenance of all culverts measuring 24" in diameter and larger located in defined public roads. This does not include private approach culverts on any roads.
- The Highway Department also maintains 67 bridges on County and Township roads.

ASPHALT CONFERENCE

Pavement Plan

- Burleigh 5 Year Project and Planning list
 - Approved by the County Commission Yearly
- Pothole Repairs
- Crack Sealing Program
- County Chip Seal Program
 - Unorganized Township Chip Seal Program
 - Organized Township Chip Seal Program
- Pavement Patching
- Milling & Overlays
- New Pavement Projects

ASPHALT CONFERENCE

Pothole Repairs

- Cold Patch
- Spray Patching
 - Dura Patcher
 - Oil CRS2



Crack Sealing

- Performed by County Forces
- Oil
 - PG 58S-28
 - Stored in Tanks in our yard
- County Roads Even Years
 - The County picks up the entire cost associated with this
- Township Roads Odd Years
 - Townships Pay for materials and labor is covered under their maintenance agreements

ASPHALT CONFERENCE

Chip Seal Program

- Work is performed by Contractors
- Mastic (This work has been done by County Forces)
- County Roads
 - Approximately 7-10 Miles/Year
 - Prioritization
- Township Roads
 - Unorganized Townships
 - 5-7 Miles/Year
 - Organized Townships
 - Township Chip Seal Program
 - Special Assessment Districts
 - Development Driven/Comes from Resident Petition



Chip Seal Program Cont.

- Paid for by the Square Yard (SY) All materials and Labor included
 - Seal Oil CRS2P
 - 0.38-0.43 Gal/SY
 - Cover Coat Aggregate CL41
 - 20-25 lb/SY
 - Fog Seal SS1H or CSS1H
 - 0.12 Gal/SY

ASPHALT CONFERENCE

Pavement Patching

- Performed with County Forces
 - Blaw Knox (2002 Model)
 - New Paver for 2023 LeeBoy
 - Etnyre Distributor Tack Truck
 - 5 Tandom Dump Trucks with Pups
- Patching on County Roads
- Patching on Township Roads

ASPHALT CONFERENCE

Milling and Overlays

- Work is performed by Contractors
- Full Depth Repairs
 - Performed after the mill if applicable
 - 16 inch depth
 - Geogrid
 - 12 inches Blended Base or NDDOT CL5 Gravel
 - 4 inches Hot Mix placed in 2 x 2 inch lifts
- 2-3" Overlay depending on the project

ASPHALT CONFERENCE

New Construction

- Section Lines Roadways
 - 12 in base
 - 6 in HBP FAA 42 or 43 (RAP Allowed)

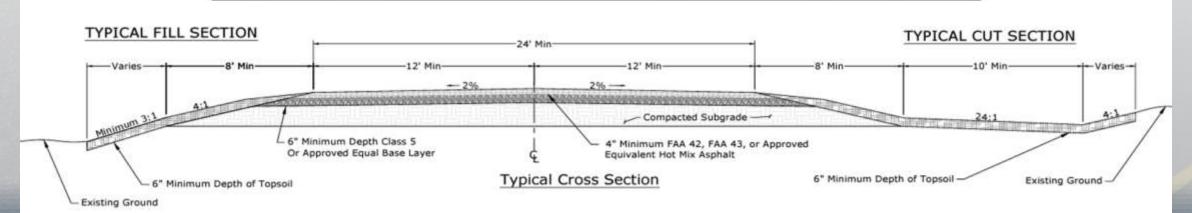
TYPICAL FILL SECTION TYPICAL CUT SECTION Varies 16' Min 16' Min 16' Min 16' Min 16' Min 12' Min 12'



New Construction

- Residential Roadways
 - 6 in base
 - 4 in HBP FAA 42 or 43 (RAP Allowed)

RESIDENTIAL SUBDIVISION ROADWAY STANDARD

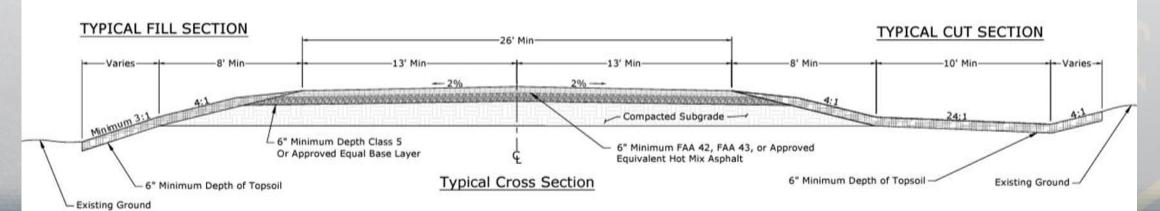




New Construction

- Industrial Subdivision Roadways
 - 6 in base
 - 6 in HBP FAA 42 or 43 (RAP Allowed)

COMMERCIAL/INDUSTRIAL SUBDIVISION ROADWAY STANDARD



ASPHALT CONFERENCE

Other Project Considerations

- Microsurface
- Cold in place recycling
- Texas Underseal

ASPHALT CONFERENCE

Questions?

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