



Hopkins County
Rural Transportation Maintenance and Construction Guidelines
2024-2025

**** All County Roads in the Hopkins County Rural Transportation System are 3rd Class**

MAINTENANCE of COUNTY ROADS

TRANSPORTATION CODE
TITLE 6. ROADWAYS
SUBTITLE C. COUNTY ROADS AND BRIDGES
CHAPTER 251. GENERAL COUNTY AUTHORITY RELATING TO ROADS AND BRIDGES

SHREDDING & BRUSH CUTTING OF RIGHT-OF-WAYS:

All right-of-ways will be shredded at least 2 times from May through October. Times will vary based on weather conditions and available manpower. The width of clearing will be at the commissioner's discretion.

DIRT ROADS:

All dirt roads will be bladed at a minimum of 2 times yearly. *Drainage will be assessed and maintained as needed. Times will vary based on weather conditions and available manpower.

ROCK/FLEX BASE:

All rock/flex base roads will be bladed at a minimum of 2 times yearly. *Drainage will be assessed and maintained as needed. Rock/flex base will be refreshed per Commissioner's judgment and budget. Times will vary based on weather conditions and available manpower.

OIL SAND ROADS:

All oil sand roads will be maintained by one of 4 methods per the Commissioner's judgment and budget. Times will vary based on weather conditions & available manpower.

1. Base Failure aka blowout, pushout, mashout — digging out the existing area and filling it with sub-base and oil sand.
2. Pot Holes — hand patching technique
3. *Drainage
4. Overlaying

CHIPSEAL ROADS:

All chipseal roads will be maintained by one of 3 methods per the Commissioner's judgment and budget. Times will vary based on weather conditions and available manpower.

1. *Drainage
2. Patch with oil sand
3. Overlaying

ASPHALT ROADS:

All asphalt roads will be maintained by one of 2 methods per the Commissioner's judgment & budget. Times will vary based on weather conditions & available manpower.

1. Sealing cracks
2. *Drainage

ROAD CONSTRUCTION

DIRT ROADS:

*Drainage will be established. Road right-of-way will be 60' or no less than 40', where at all possible within established fence lines.

ROCK/FLEX BASE:

*Drainage will be established. Road right-of-way will be 60' or no less than 40', where at all possible within established fence lines. Surface will depend on the right-of-way. Flex base will be 4" to 6" in depth.

OIL SAND ROADS:

Method #1:

*Drainage will be established. Road right-of-way will be 60' or no less than 40', where at all possible within established fence lines. Will have a flex base substructure of 4" - 6" in depth. The road surface, depending on right-of-way, will be compacted oil sand 2" in depth.

Method #2:

*Drainage will be established. Road right-of-way will be 60' or no less than 40', where at all possible within established fence lines. Old road surface/base will be re habilitated at a depth of 6". Re-claimed material will be recycled with a bonding agent and compacted.

CHIPSEAL ROADS:

*Drainage will be established. Road right-of-way will be 60' or no less than 40'. Will have a flex base substructure of 4" - 6" in depth, where at all possible within the established fence lines. The road surface, depending on right-of-way, will be compacted oil sand 2" in depth. The chip seal will be applied to this sub-surface.

ASPHALT ROADS:

*Drainage will be established. Road right-of-way will be 60' or no less than 40'. Base stabilization.

*Drainage consists of clearing brush, establishing or clearing the ditches, cross culverts, and driveway culverts.

CONSTRUCTION METHODS ARE PER COUNTY COMMISSIONERS COURT

Hopkins County Precinct Roads

Process for Re-habilitating 1 mile of County Road that is DIRT
Driving Surface: Average 16 ft.

CONSTRUCTION:

Site safety measures: 36 hours

Establish Drainage: 36 hours

Establish Crown in road surface: 24 hours

Compact Road Surface: 24 hours

EQUIPMENT:

Backhoe/loader... FEMA #8382... \$69.08 per hour

Trailer-haul truck... FEMA #8601... \$17.10 per hour

Dump Truck (3)... FEMA #8721... \$74.83 per hour per truck

Cat 140 with 14 Ft mold blade... FEMA #8332... \$164.35

Tractor/pull packer... FEMA #8790 & 8228... \$57.92 & \$16.07

1/2 ton truck... FEMA #8801... \$16.68

LABOR/SUPERVISOR

MATERIAL: Dirt

***Only as needed**

Hopkins County Precinct Roads

Process for Re-habilitating 1 mile of County Road that is ROCK
Driving Surface: Average 16 ft.

CONSTRUCTION:

Site safety measures: 36 hours

Establish Drainage: 36 hours

Establish Crown in road surface: 24 hours

Compact Road Surface: 24 hours

EQUIPMENT:

Backhoe/loader... FEMA #8382... \$69.08 per hour

Trailer-haul truck... FEMA #8601... \$17.10 per hour

Dump Truck (3)... FEMA #8721... \$74.83 per hour per truck

Cat 140 with 14 Ft mold blade... FEMA #8332... \$164.35

Tractor/pull packer... FEMA #8790 & 8228... \$57.92 & \$16.07

1/2 ton truck... FEMA #8801... \$16.68

LABOR/SUPERVISOR.: 7

MATERIAL: Rock

***Only as needed**

Hopkins County Precinct Roads

Process for Re-habilitating 1 mile of County Road by MIXING CRUDE OIL
Driving Surface: Average 16 ft.

CONSTRUCTION:

Site Safety: 32 hours

Drainage: 16 hours

Reclaim base: 32 hours

Mixers (2): 24 hours

Oil Truck: 24 hours

2 Blades for compaction & mixing & crown: 64 hours

Compact Road surface: 16 hours

EQUIPMENT:

2 Bomag Reclaimer/Stablizer & Mix: \$192.88 (Rate Equipment Watch/blue book)

Backhoe/Loader... FEMA #8382... \$69.08 per hour

Trailer-haul truck... FEMA #8601... \$17.10 per hr

Dump Truck (2)... FEMA #8721... \$74.83 per hr x 2

2 Cat 140 with 14 ft mold blade ... FEMA #8332...\$164.35 per hr

Pneumatic roller... FEMA #8223... \$122.99 per hour

Steel wheel roller... FEMA #8222... \$64.73 per hour

1/2 ton truck... FEMA #8801... \$16.68 per hour

LABOR/SUPERVISOR: 6

MATERIAL:

Crude oil is mixed based on 40 barrels per tenth. In May of 2024 crude was \$79.67 per barrel. Crude is always based on a % plus the price of West Texas Crude Oil. \$3,186.80 per tenth.

Hopkins County Precinct Roads

Process for Re-habilitating 1 mile of County Road with OIL SAND/ASPHALT
Driving Surface: Average 16 ft.

CONSTRUCTION:

Site safety measures: 24 hours

Reclaim base: 32 hours

Compact Road Surface: 16 hours

Apply Oil Sand/Asphalt surface: 16 hours

Drainage: 16 hours

EQUIPMENT:

Bomag Reclaimer/Stablizer... \$192 88 Equipment Watch/Blue Book

Backhoe/loader... FEMA #8382... \$69.08 per hour

Trailer-haul truck... FEMA #8601... \$17.10 per hour

Dump truck (2)... FEMA #8721... \$74.83 per hour

Cat 140 with 14 Ft mold blade... FEMA #8332... \$164.35

Pneumatic Roller ... FEMA #8223... \$122.99 per hour

Steel wheel roller... FEMA #8222... \$64.73

1/2 ton truck... FEMA #8801... \$16.68

LABOR/SUPERVISOR: 6

MATERIAL:

Resurface with pre-mix oil sand

100 tons per 1/10th mile @ \$77.00 per ton = \$7,700 per tenth x 10 = \$77,000 per mile

Hopkins County Debris Management Guidelines 2024-2025

In an effort to effectively maintain the traffic flow of county roads in Hopkins County, all debris cleared from Hopkins County roads is placed on the side of the road until collected. Upon removal from the roadside, all debris is picked up with a backhoe and loaded into a large dump truck(s) designed to hold an average of 8 cubic yards. Operated by county road crew members, chainsaws are needed to complete this task. Once transported to the precinct barn, the debris is unloaded as close as possible to the designated burn site. Operated by a county crew member, a backhoe is used to push all debris to a predetermined area for burning.

The sites continuously burn during each scheduled work day. This is an ongoing process.

There are six burn sites in Hopkins County certified by TCEQ (Texas Commission on Environmental Quality). The locations are as follows:

- Precinct 1 County Barn, 5516 Hwy 19 South, Sulphur Springs, TX 75482
- Precinct 1 Secondary Site, CR 1116, Brashear, TX 75420 (property ID R000019486)
- Precinct 2 County Barn, 12080 Hwy 11 E, Como, TX 75431
- Precinct 3 County Barn, 583 CR 3564, Dike, TX 75437
- Precinct 4 Cumby Site, FM 2653, South 1/7 miles from Hwy 11
- Precinct 4 North Hopkins Storage Site, 1994 FM 71 W, Sulphur Springs, TX 75482

All locations are under 24-hour surveillance and monitored by the respective precinct's Commissioner.