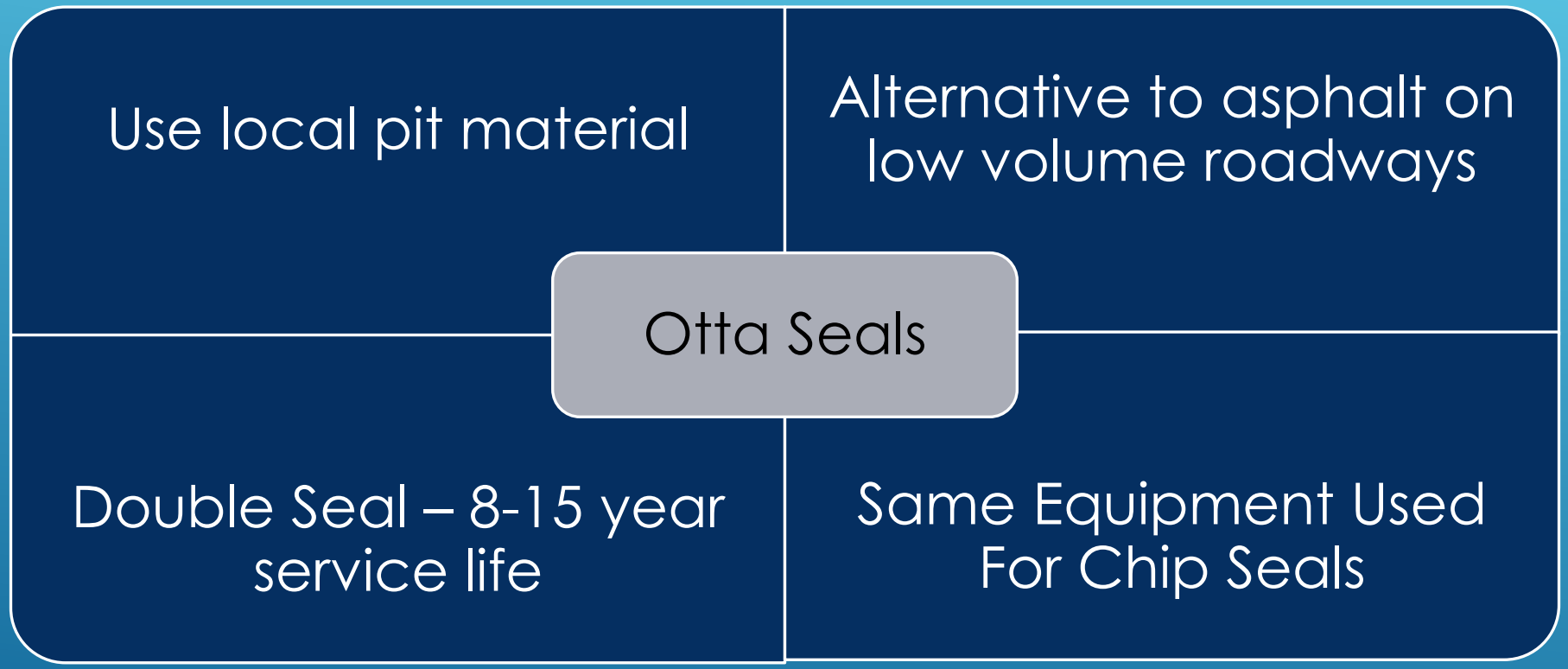
OTTA SEAL
LAMOURE COUNTY, ND



OTTA SEALS - OVERVIEW



LAMOURE COUNTY - OTTA SEAL 2021 PROJECTS

Three 1 Mile Test Locations

- 1st Mile – No Milling
- 2nd Mile – ½" Milling
- 3rd Mile – Gravel Section (Reclaimed from HMA in 2020)







PROJECT PREP

Subgrade

- Fix any subgrade issues

Surface

- Blade and compact if gravel surface
- Mill if asphalt surface







PROJECT PROCESS

- Spray Oil
- Apply Aggregate
- Roll for 2-3 days



- Broom after a couple days. Broom again before second layer
- Recommended wait 2-3 months after first application however, can be done the next day
- Apply second layer of double seal



OTTA SEAL - PROJECT MATERIALS

Oil

- AE-150S ($427.15/Ton – 237 Gal/Ton)
- .50 GAL/SY

- Fog (CSS-1H)
- .14 GAL/SY

Aggregate

- 7/8" Max agg. size (Future 5/8" max)
- Crushed or Uncrushed (Future Only Crushed)
- Up to 10% fines
- 50 lb/SY







LESSONS LEARNED

- Crushed Only (5/8" Max)
- .50 GAL/SY Min Application Rate
- Mill before applying on existing asphalt
- Less is more for aggregate application rate (No overlaps!)
- Roll, Roll, Roll, Roll, Roll, Roll












TOYO



