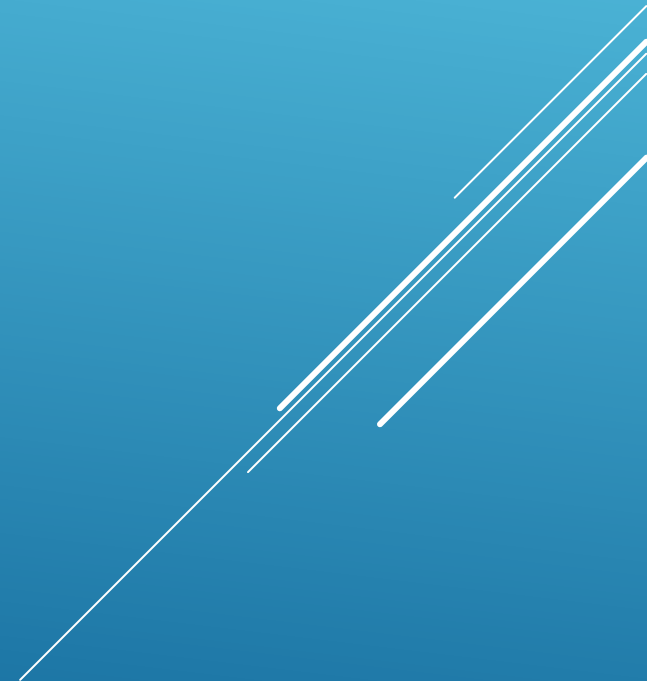
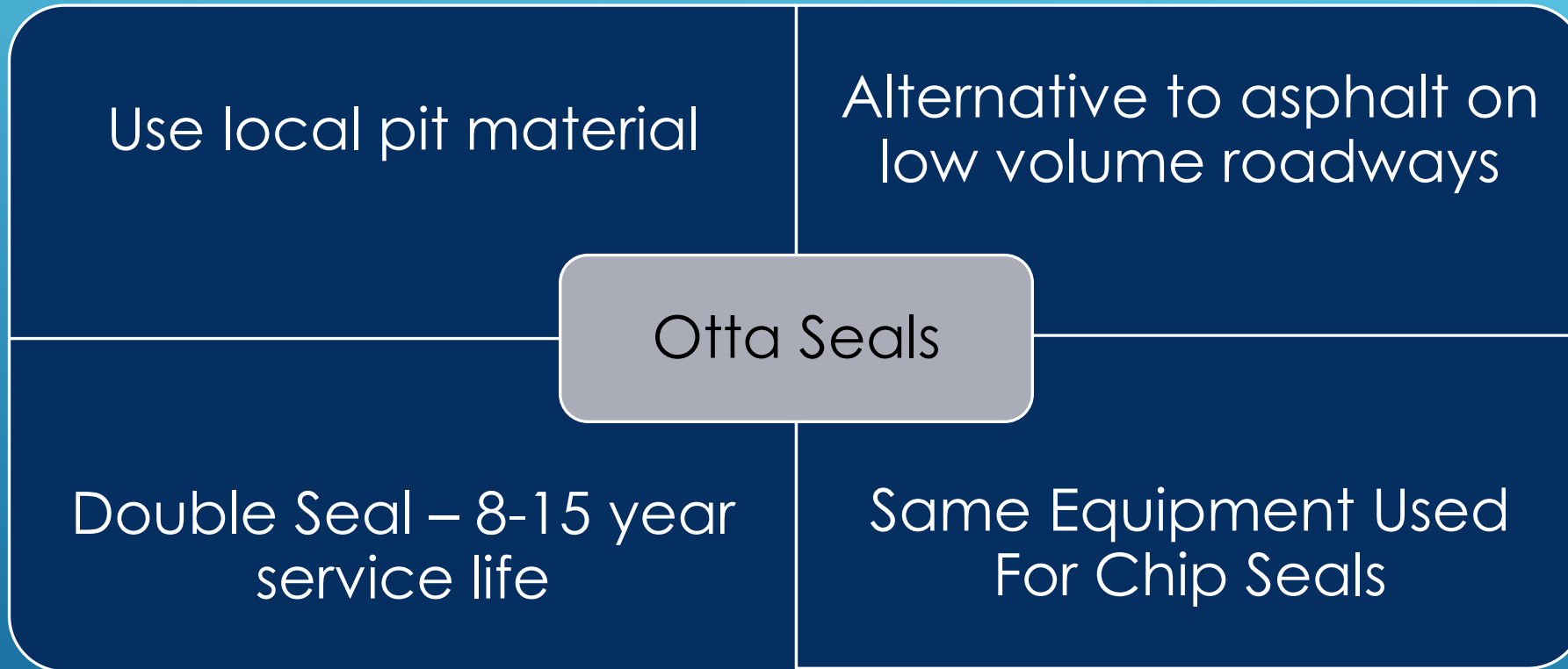


# OTTA SEAL LAMOURE COUNTY, ND



# OTTA SEALS - OVERVIEW



# LAMOURE COUNTY - OTTA SEAL 2021 PROJECTS

## Three 1 Mile Test Locations

- 1<sup>st</sup> Mile – No Milling
- 2<sup>nd</sup> Mile – 1/2" Milling
- 3<sup>rd</sup> 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



















