

# **Project Location** 40<sup>th</sup> Avenue and QEII (Hwy 2) Interchange

South side of the City of Airdrie





# **Project Contractor**

# **DEllisDon**

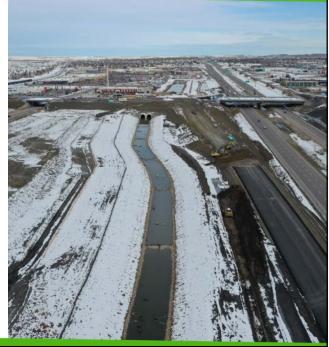
Estimated Budget (Capital): \$83M

Construction Start: May 2021

Completion Date: October 2023

General Scope of Work:

- Bridges 1 rehab; 4 new structures
- Earthworks ~ 500,000 cu m
- Granular Base Course ~ 70,000 tonnes
- Asphalt ~ 32,000 tonnes





# What we will cover:

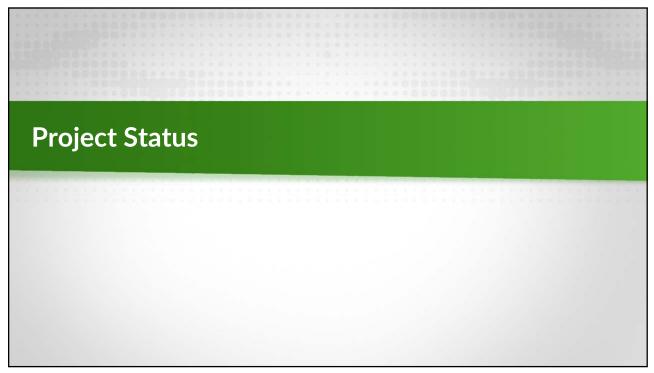
- Introduction to the Project
  Done! 2 hours to go
- Brief Project Status
- Some History
- Design and Regulatory Engagement
- Construction (Playing in the Mud)
  - Improvements
  - Current Creek Conditions (Did we win?)



Æ







# Heading into the top of the 3<sup>rd</sup> .. Construction Season:

## "Creek"

- Channel
  Complete
- Water flowing
- Re-Vegetation
  95% complete
- Monitoring

# "Structures"

- Culverts 100%
- EB CPR 90%
- WB CPR 60%
- Main St 95%
- Hwy 2 60%

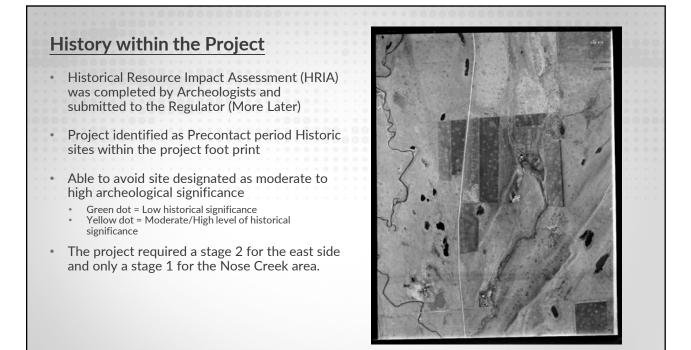
# "Roads"

- Earth 90%
- Roads 50%
- Street Lighting -60%
- Traffic Signals
- Sign Structures

Æ

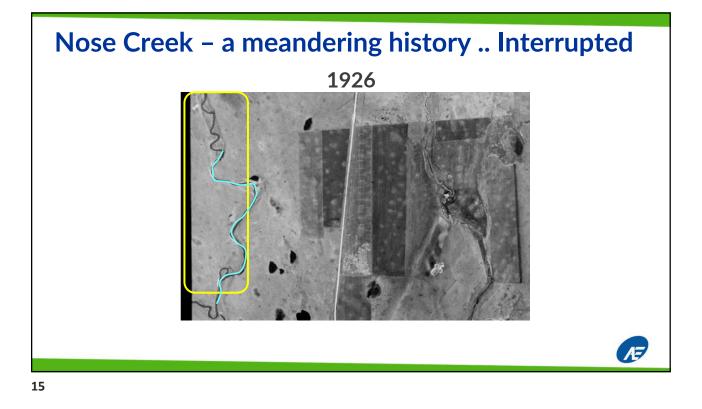


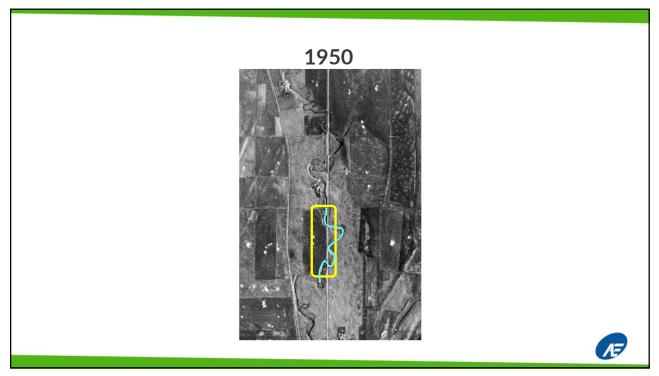




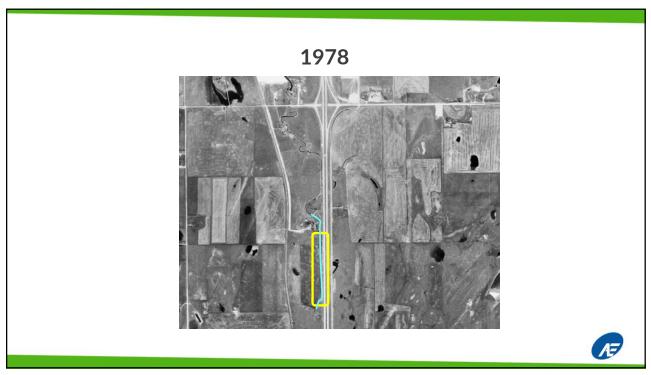


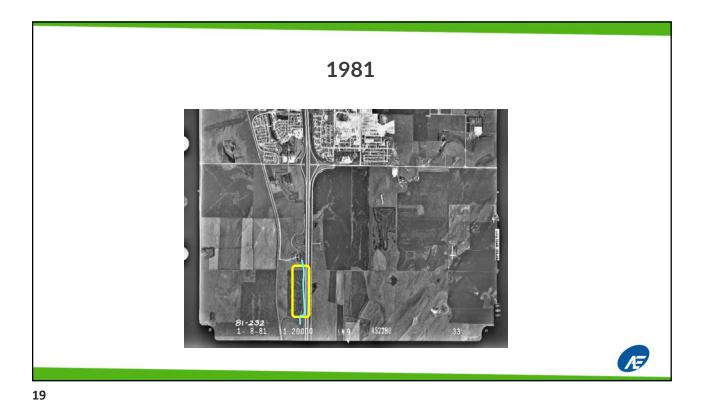


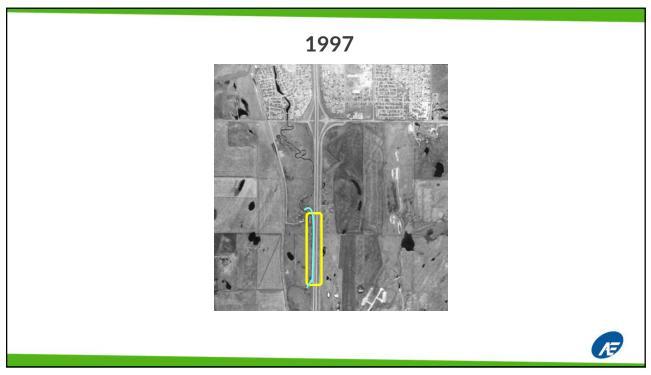


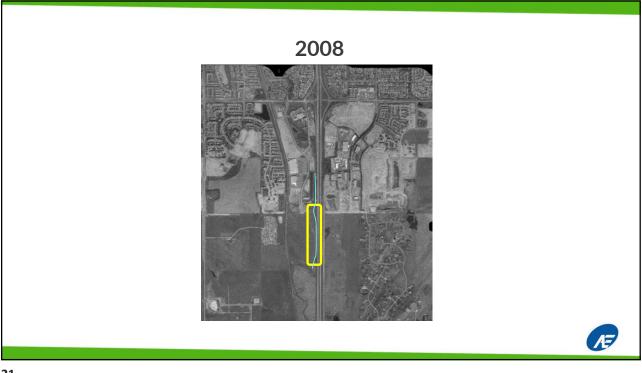




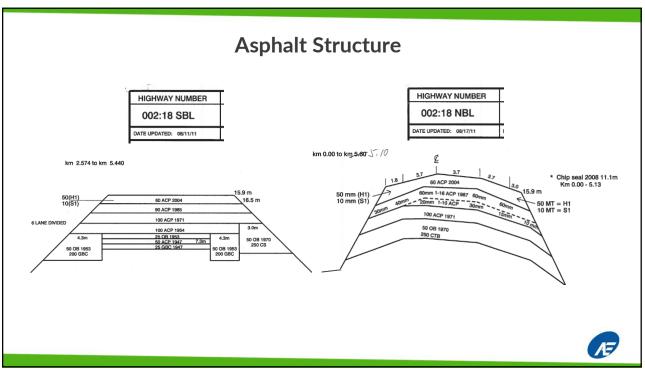












# Nose Creek Valley Museum

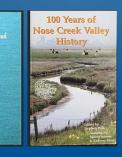


### / Nose Creek Valley Museu

2,000 years of history. 20,000 artefacts. 10 exhibits. One little museum.

Nose Creek Valley Museum represents over 2,000 years of local history, providing an interest glimpse into the historical aspects of Airdrie, Nose Creek, and surrounding areas.

And 2 books!



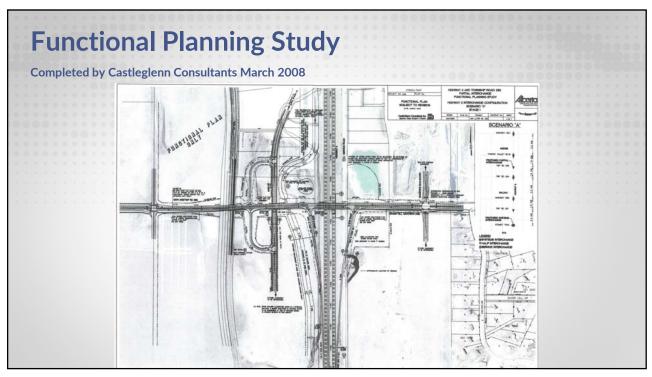
The Nose Creek Story By Nose Creek Historical Society 100 Years of Nose Creek Valley History By Stephen Wilk

23

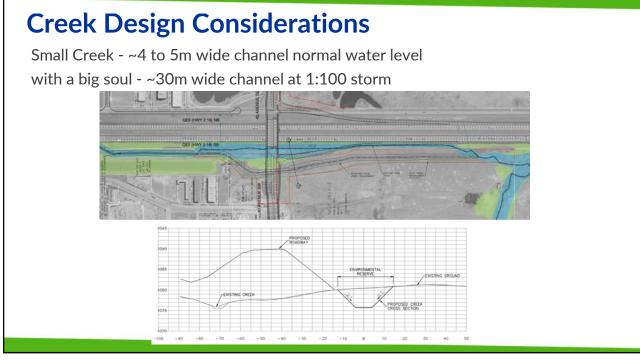
# And still is important to the local community



2/24/2023







# **Project Onsite Environment Concern**

As seen previously, the Creek was the SB drainage ditch for Highway 2

Runoff from the highway and no control or mitigation measures should spill occur

Prevalence of weeds and non-native grasses Reducing ecological Resilience



AE

# The Regulators ... Mount up!

"Fisheries Act"	"Fishe	eries	Act"
-----------------	--------	-------	------

Fisheries and Oceans Canada (DFO)

• Re-alignment would result in serious harm to fish "Water Act"

Alberta Environment and Parks (AEP)

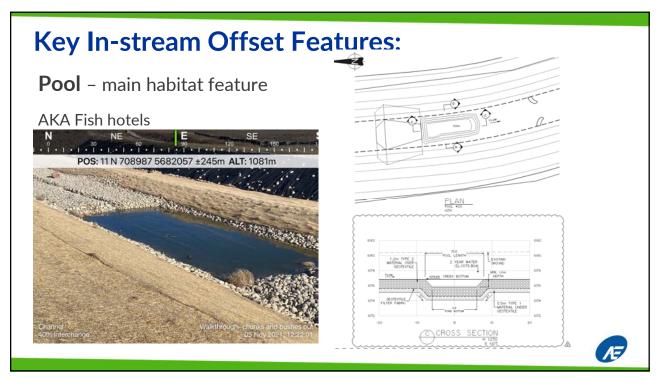
• Re-alignment of a permanent watercourse

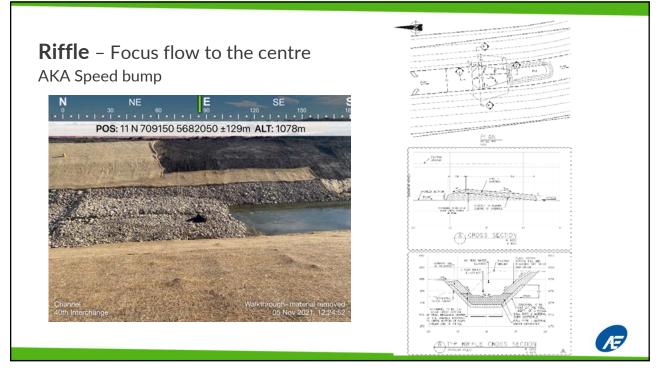
# "Historical Resources Act"

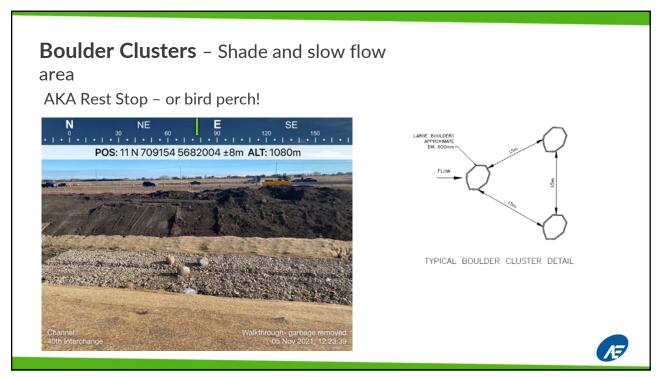
Alberta Culture and Status of Women

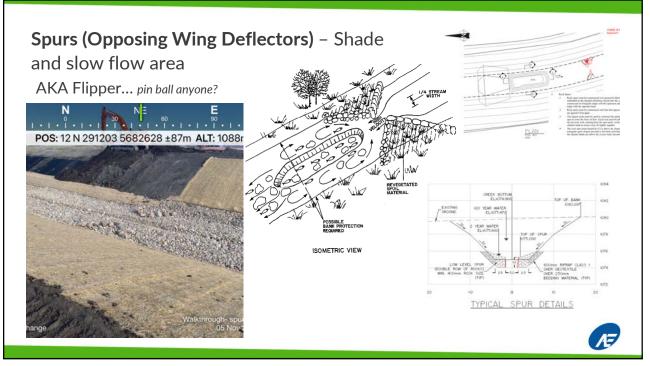
 Excavation below ground requiring HRIA

AE





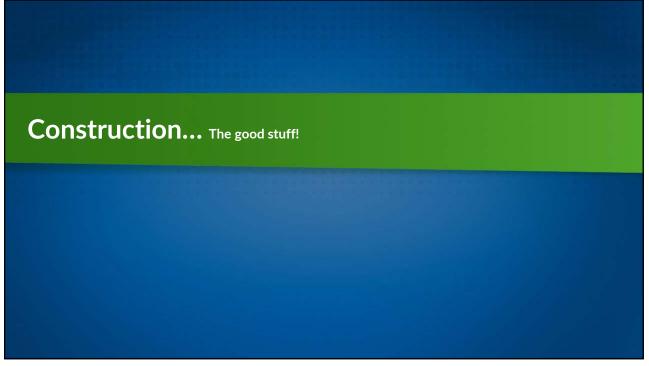
















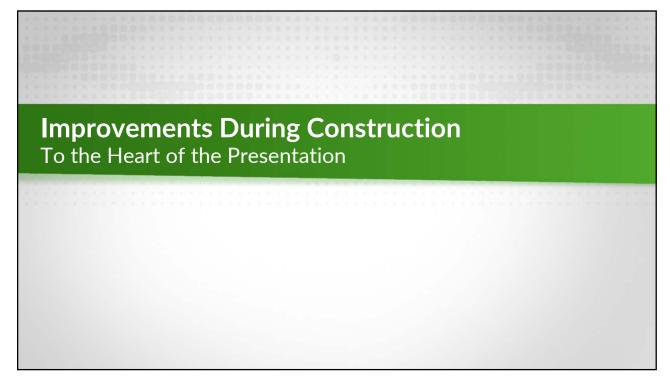
# <text>

39

# **Some General Facts about the Creek**

- Length of Channel: 1,004m long
- Volume of Excavation and Rock: 97,051 cubic meters of dirt and rock excavated
- Length of the culverts: 251.2m of culvert constructed (Twin -125.6m length of channel)
- Area of fabric: 46,040 square meters of geotextile
- Number of Willows planted: 33,000 willows planted







# Improvement 2

Tie-in Location and Temporary diversion channel

