Burleigh County Awards Project

Calls to SHPO Begin
Meet with State Historical Preservation Officer (SHPO) for 30% Plan Review
149th Avenue NW

Borings in Road to determine Potential Impact
149th Avenue NW
Preliminary Site Design Review

SUNDOWN DR

Metcalf Archaeological Consultants, Inc.

Houston Engineering Inc.
149th Avenue NW

Project Design – Storm Sewer and Open Channel
Project Design – Roadway Considerations
149th Avenue NW

Project Design – Cultural Considerations
Special Provision for Project

Archaeological Requirements

- May remove the top 20 to 25 inches with excavator and will be monitored on site. Area was previously filled.

- Undisturbed archaeological zone will be removed in 1 to 2 inch depths and will be monitored.

- Any excavations in archaeological zone will not exceed width of trench box required for storm sewer installation.

- Any human remains and/or burials will not be disturbed and work shall cease immediately.
SHPO Review and Approval of Cultural Encounter Plan
# Bid-Contract Award

**BID SHEET**

149th Ave NW
Roadway and Drainage Improvement Project
149th Ave NW, West of ND Highway 1804
To Sunflower Areas

**Bid Opening:** July 16, 2010 1:30 pm  
**Engineer’s Estimate:** $1,043,717.13

<table>
<thead>
<tr>
<th>CONTRACTOR</th>
<th>APPENDIX NO. 1</th>
<th>BID BOND</th>
<th>TOTAL BASE BID</th>
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</table>
| Gulbrakke & Son  
5005 49th St SE  
Bismarck, ND 58501 | ✔ | ✔ | $918,276.91 |
| Marathon Construction Inc  
3771 West Cavalry Drive  
Bismarck, ND 58504 | ✔ | ✔ | $839,756.54 |
| Northern Improvement  
3220 E. Century Ave  
Bismarck, ND 58502 | ✔ | ✔ | $839,756.54 |
| Sun & Creek Corporation  
1661 Santa Gertrudis Lp.  
Bismarck, ND 58503 | ✔ | ✔ | $839,756.54 |
| Weise & Sons Inc  
3333 E. Broadway Ave Ste 1212  
Bismarck, ND 58501 | ✔ | ✔ | $839,756.54 |
149th Avenue NW

Construction-Ditch Channel
Methods to Avoid and Mitigate

Confinement of Work

- Reroute overland flow through storm sewer so erosion is minimized in cultural area.

- Excavate in smallest area possible.

- Construct road within limits of cultural area. Fill acceptable as long as it ties into existing.

- Equipment cannot park and material cannot be stored in cultural area.

- Officers patrolling area to protect artifacts.
149th Avenue NW

Project Construction Complete
Continued Cultural Analysis and Mitigation

- On site removal of cultural resources is complete. Yeah!
- Sorting of major items is complete.
- Seeking institutions that want to advance research and funding of research.
- Human remains are being analyzed and will be reinterred.
Larson Site 32BL9

- Large prehistoric village
- Occupied 1480s to 1780s
- Ancestors of historic Mandan peoples
Heart River Region
2006-2007 Geophysical Surveys at Larson
Mitigation at the Larson Site: 2010
Monitoring Phase at Larson
Excavation Phase at Larson
Salvage Excavations at Larson

- 54 features:
  - 50 storage pits
  - 3 fortification ditches
  - 1 borrow filled with midden
  - 5 burials (four of which were excavated)
Salvage Excavations at Larson

Storage pits
Salvage Excavations at Larson

Possible house floor
Salvage Excavations at Larson

Fortification ditches
Difficulties at Larson
Artifact Processing and Cataloguing Phase

- Water screening
- Size grading
- Artifact sorting
NAGPRA: Treatment of Human Remains

- Native American Graves and Repatriation Act  1989
- Tribal Historic Preservation Office (THPO) requested non-destructive analysis of human remains
Acknowledgements

- Houston Engineering
- Burleigh County
- Construction crews
- Perry Brady and Bridgette Brady from Fort Berthold THPO
- Numerous volunteers
- SHSND
- Metcalf crew