

# Department of Transportation

## Pierre Region Office

104 S. Garfield – Bldg. A  
Pierre, South Dakota 57501-5405 605/773-3464  
FAX: 605/773-6215

May 6, 2011

**RE: 0009-391**  
**Install Concrete Slab over Fuel Fill and Monitoring Well Access Area and**  
**Miscellaneous work in Jones County at the Murdo Maintenance Yard**  
**Jones County**

TO: INTERESTED BIDDERS

The South Dakota Department of Transportation (SDDOT), Pierre Region Office – Bldg. A, 104 S. Garfield, Pierre, South Dakota 57501, desires to solicit bids for the above referenced project.

Sealed bids for the contract will be accepted until 2:00 P.M. (C.D.T.) on **Friday, May 20, 2011**, and will be opened at that time in the Pierre Region Office – Bldg. A. Bids must be received in an envelope with “**Fuel Tank Work at Murdo Maintenance Shop**” written on the outside.

A Certificate of Insurance will be required from the successful bidder prior to beginning work on this project.

**THE CONTRACTORS SIGNATURE ON THE DOT-123 FORMS MUST BE NOTARIZED TO CONSTITUTE A LEGAL BID.**

The Department of Transportation reserves the right to reject any and all bids. No faxed bids will be accepted.

DEPARTMENT OF TRANSPORTATION

John C. Forman, P.E.  
Pierre Region Engineer

cc: B. Moore - Operations  
J. Koch – Pierre Region  
D. Sherman – Winner Area  
Project File

**SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION  
CONTRACT PROPOSAL**

DOT-123  
(5/05)  
1 of 1

CODE	PROJECT			MAINT UNIT	CONTROL REFERENCE	AFE	FUNCTION	BEGIN MRM	END MRM
	PRE	ROUTE	AGR						
		0009		391					

CITY AND/OR COUNTY Jones

BUDGET SOURCE: FY11 Building M & I Budget

FINALS ENGINEER REVIEW REQUIRED:  YES  NO  
 REGION MATERIALS CERTIFICATION REQUIRED:  YES  NO  
 CERTIFIED INSPECTORS/TESTERS REQUIRED:  YES  NO  
 TO BE INSTALLED ON CM&P:  YES  NO

TYPE, PURPOSE AND LOCATION OF WORK: Install Concrete Slab over Fuel Fill and Monitoring Well Access Area and Miscellaneous Work in Jones County at the Murdo Maintenance Yard

**ESTIMATE OF QUANTITIES AND COST**

BID ITEM NUMBER	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Install Concrete Slab over Fuel Fill & Monitoring Well Access Area at Murdo Yard	LUMP SUM	LS	LUMP SUM	
<b>TOTAL</b>					

**CONTRACTOR'S PROPOSAL STATEMENT**

The undersigned does hereby agree to furnish the labor and/or material in the quantities, at the unit price, for the purpose, in the place and in accordance with attached provisions upon approval of this Proposal by the State Transportation Commission. This document becomes the Contract when signed by the Contractor and a Department of Transportation Representative. The Contractor agrees to provide services in compliance with the Americans with Disabilities Act of 1990. The Contractor agrees to provide a certificate of insurance prior to commencing work, for liability coverage for the duration of the work as per the current edition of the SDDOT Standard Specifications for Roads and Bridges.

PROPOSED START DATE \_\_\_\_\_

OVERALL COMPLETION DATE On or Before September 2, 2011

SUBSCRIBED AND SWORN TO BEFORE ME THE  
\_\_\_\_\_, DAY OF \_\_\_\_\_, 20\_\_

SIGNATURE \_\_\_\_\_  
COMPANY \_\_\_\_\_  
ADDRESS \_\_\_\_\_

NOTARY - My Commission Expires \_\_\_\_\_

FEDERAL TAX ID NUMBER \_\_\_\_\_

RECOMMENDED FOR APPROVAL:

\_\_\_\_\_  
CONSTRUCTION & MAINTENANCE ENGINEER

\_\_\_\_\_  
DATE

\_\_\_\_\_  
REGION ENGINEER

\_\_\_\_\_  
DATE

\_\_\_\_\_  
DIRECTOR OF OPERATIONS

\_\_\_\_\_  
DATE

APPROVED FOR THE TRANSPORTATION COMMISSION

NAME \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

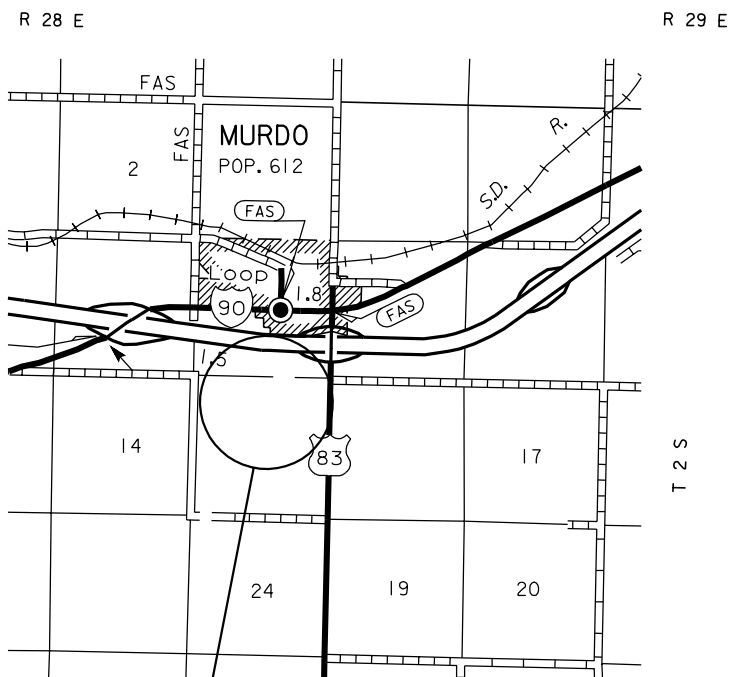
APPROVED as per Federal Highway Stewardship Provisions this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
PROJECT DEVELOPMENT ENGINEER

STATE OF SOUTH DAKOTA  
DEPARTMENT OF TRANSPORTATION  
 PLANS FOR PROPOSED

**PROJECT 0009-391**  
**SDDOT MURDO MAINTENANCE SHOPSITE**  
**JONES COUNTY**

**INSTALL CONCRETE SLAB OVER FUEL FILL AND MONITORING  
 WELL ACCESS AREA AND MISCELLANEOUS WORK**



**PROJECT SITE**  
 Murdo Shop Site  
 Site 3231  
 NE 1/4 SEC 13 T2S R28E



**INDEX OF SHEETS -**

Sheet No. 1	Layout Map and Index
Sheet Nos. 2-5	Plan Notes
Sheet No. 6	Removal Details
Sheet No. 7	Replacement Details
Sheet No. 8	Supplier's Certification for Concrete

## **SPECIFICATIONS**

Standard Specifications for Roads and Bridges, 2004 Edition and required Provisions, Supplemental Specifications and/or Special Provisions as included in the Proposal.

## **DESCRIPTION OF WORK**

Principal item of work on this project to be performed by the Contractor includes, but is not limited to, the following items, not listed in order of execution:

### Work to be performed by DOT Maintenance Forces:

- 1) Remove and dispose of asphalt concrete.
- 2) Breakout, remove and dispose of Portland Cement Concrete around existing fuel fill and monitoring well access areas as detailed on Sheet 6 of 8.
- 3) Furnish and place all new asphalt concrete.

### Work to be performed by Contractor:

- 1) For both the gas and diesel fuel tanks –
  - Remove and replace tank fill manholes and related fill tubes.
  - Remove and replace tank level/leak detection manholes.
- 2) Place 12.5' x 12.0' concrete pad around all manholes.
- 3) Repair tank probe conduit.

## **PERMITS AND LICENSES**

The Contractor shall obtain all necessary State and/or City Permits and/or Licenses in accordance with Section 7.2 of the Standard Specifications.

## **GENERAL CONSTRUCTION**

The Contractor shall be responsible for locating underground utilities in the construction area. Care shall be taken by the Contractor so no damage occurs to the utilities. Any damage to the utilities shall be repaired by the Contractor at no cost to the State.

Once work at the site has started it shall proceed in a continuous manner until the project is complete. All work must be complete **on or before September 2, 2011.**

Limits for removal of Portland Cement Concrete and asphalt concrete are shown on Sheet 6 of 8. Note: This work will be performed by State DOT maintenance forces. The Contractor shall notify the Winner Area Office three weeks prior to starting their operation. The maintenance forces will remove the existing Portland Cement Concrete and asphalt concrete according to the plans. Limits of asphalt concrete to be removed will have been defined by full depth saw cut.

### **GENERAL CONSTRUCTION (Continued)**

Care shall be taken by the Contractor so as not to damage the existing cathodic protection wires. Any damage to the cathodic protection wires shall be repaired by the Contractor at no cost to the State.

It is the Contractor's responsibility to shape and compact excavated areas to the proper elevations. If any additional granular material is required it will be furnished on site by SDDOT maintenance.

Compaction of the excavated area and all additional granular material placed shall be to the satisfaction of the Engineer.

### **GAS AND DIESEL FUEL TANK FILL MANHOLES**

Contractor shall remove the existing tank fill manholes and related fill tubes down to each fuel tank.

Contractor shall install 4" diameter black steel schedule 40 pipe to replace the existing product fill pipes from each tank to the fill adapter.

Contractor shall install an overfill drop tube, catchment basin with manhole, side seal adapter and side seal cap for each tank.

Drop Tube: Shall be OPW 71SO – 4000 Overfill Drop Tube or equal.

Catchment Basin: Shall be EBW 702-450-01Blk Catchment Basin with Manhole or equal

Side Seal Adapter: Shall be Morrison 405C 0100AA Side Seal Adapter or equal

Side Seal Cap: Shall be Morrison 405C 0100AC Side Seal Cap or equal.

### **GAS AND DIESEL FUEL TANK LEVEL AND LEAK DETECTION MONITORING MANHOLES**

Contractor shall remove each 16" diameter tank level and leak detection monitoring manhole and replace with an 18" diameter round manhole.

18" Diameter Manhole: Shall be OPW 104A–1800 18" Round Manhole or equal.

Contractor shall note that the gas and diesel fuel tank level and leak detection monitoring piping may need to be extended to ensure that they terminate within the limits of their respective manholes. No separate payment will be made to extend piping.

## **CONCRETE SLAB**

Concrete used to construct the 12.5 feet wide by 12.0 feet long by 8 inch thick concrete slab shall be Class M6. The supplier shall complete the DOT-57 form (page 8) and return it to the Project Engineer prior to furnishing any concrete.

Additional removal of asphalt concrete will not be required as sufficient width has been provided for concrete formwork. The contractor will NOT be allowed to use the vertical saw cut in the asphalt concrete as a form for the concrete placement.

Concrete slab shall be reinforced with #4 reinforcing steel spaced 12 inches center to center beginning 6 inches from edge of slab. Use 3 inch clear cover on all reinforcing steel around manholes.

The SDDOT will be responsible for replacing asphalt concrete between the existing asphalt concrete and the new concrete pad.

It is the Contractor's responsibility to shape and compact the excavated removal areas to the elevations necessary to provide an 8 inch concrete slab. The base of the new concrete slab shall be set two inches below the existing ground elevation or at an elevation of 2251.00.

The four manholes shall be set to an elevation of 2251.73. Concrete shall be placed at an elevation of 2251.65 in a rectangular shape that encompasses all four manholes. This rectangular shape is approximately 12.5 feet wide by 12.0 feet long and extends a minimum of 18 inches from the nearest point of any manhole. Concrete shall be feathered for approximately one foot around the manholes to transition to the slab elevation of 2251.65. See plan sheet 7 of 8 for more details.

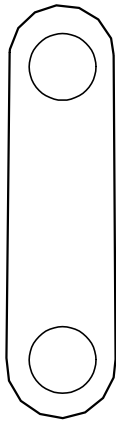
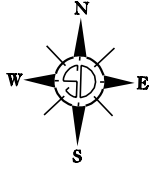
## **OR EQUAL CLAUSE**

Whenever a material, article, or piece of equipment is identified on the plans by reference to manufacturers' or vendors' names, trade names, catalogue numbers, etc., it is intended merely to establish a standard; any materials, article, or equipment of other manufacturers and vendors which will perform adequately the duties imposed by the general design will be considered equally acceptable provided the material, article, or equipment proposed is, in the opinion of the Engineer, of equal substance and functions. Requests for such approval must be made by submitting catalog cuts and manufacturer's specifications to the Engineer five days prior to the bid opening. The base bid shall be based on materials only as specified or approved.

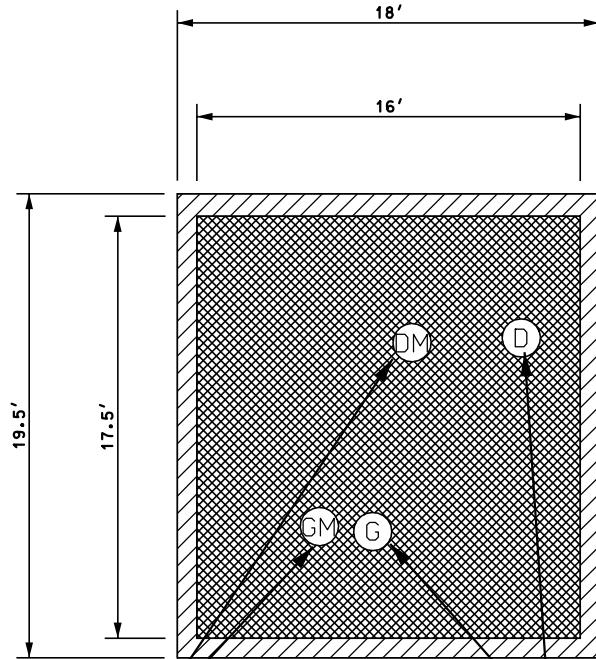
**BASIS OF PAYMENT**

All costs associated with furnishing and installing all manholes and manhole fill tube components, disposal of materials, and for constructing the necessary items to allow the Contractor to satisfactory complete the work within this contract shall be incidental to the contract lump sum price for "Install Concrete Slab over Fuel Fill & Monitoring Access Areas at Murdo Yard".

Labor and equipment involved in the shaping and compaction of the granular backfill material shall be included in the lump sum price for "Install Concrete Slab over Fuel Fill & Monitoring Access Areas at Murdo Yard".



EXISTING FUEL ISLAND



16" DIESEL AND GAS  
 MONITORING MANHOLE

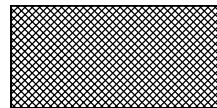
LIMITS OF REMOVAL



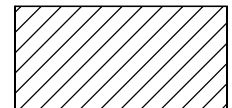
16" DIESEL AND GAS  
 FUEL FILL MANHOLE

NOTE :

ASPHALT AND CONCRETE  
 REMOVAL WORK DEPICTED  
 ON THIS SHEET WILL BE  
 PERFORMED BY THE SDDOT.



PORTLAND CEMENT  
 CONCRETE REMOVAL

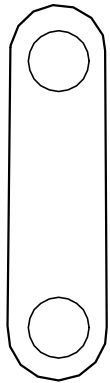
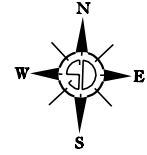


ASPHALT CONCRETE  
 REMOVAL

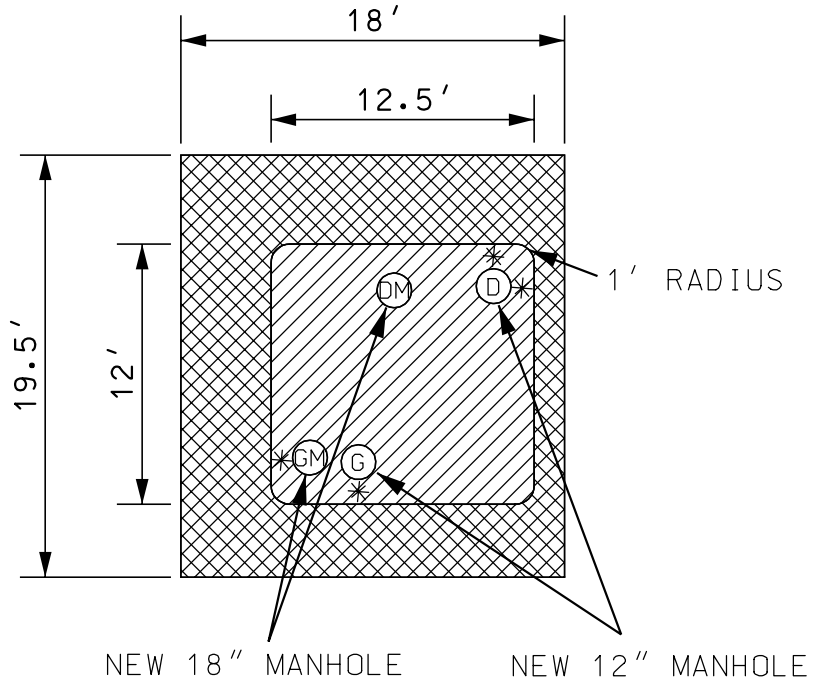


\* A MINIMUM OF 18" SHALL BE MAINTAINED FROM THE EDGE OF MANHOLES TO THE EDGE OF CONCRETE AT ELEVATION 2251.65

BENCHMARK IS LOCATED EAST OF THE SHOP IN FENCELINE. ELEVATION OF BENCHMARK IS 2252.05.

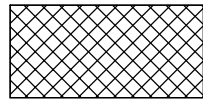


EXISTING FUEL ISLAND

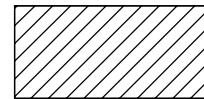


NOTE:

THE CONCRETE AT EACH MANHOLE LOCATION SHALL BE FINISHED TO AN ELEVATION OF 2251.73.



ASPHALT CONCRETE SLOPED TO MATCH EXISTING SURFACING



CONCRETE TO BE PLACED AT FINISHED ELEVATION OF 2251.65

SOUTH DAKOTA  
DEPARTMENT OF TRANSPORTATION

DOT-57  
(9-10)

FILE NO. \_\_\_\_\_

**SUPPLIER'S CERTIFICATION - CLASS M6 CONCRETE**

PROJECT \_\_\_\_\_ 0009-391 \_\_\_\_\_ COUNTY \_\_\_\_\_ JONES \_\_\_\_\_ PCN \_\_\_\_\_

SUPPLIER \_\_\_\_\_

PLANT ADDRESS \_\_\_\_\_ DATE \_\_\_\_\_

MIX DATA

\_\_\_\_\_ lbs. Coarse Aggregate per Cubic Yard

\_\_\_\_\_ lbs. Fine Aggregate per Cubic Yard

\_\_\_\_\_ lbs. Cement, Type \_\_\_\_\_ per Cubic Yard

\_\_\_\_\_ lbs. Fly Ash, Type \_\_\_\_\_ per Cubic Yard

\_\_\_\_\_ lbs. ( ) gals. ( ) Water per Cubic Yard

\_\_\_\_\_ oz/cwt Air Entrainment

\_\_\_\_\_ oz/cwt Water Reducer or Other

Source of Coarse Aggregate \_\_\_\_\_

Source of Fine Aggregate \_\_\_\_\_

Source of Cement \_\_\_\_\_

Source of Fly Ash \_\_\_\_\_

Source & Name of Admixtures \_\_\_\_\_

I hereby certify the mix and all component materials supplied for Class M - 6 Concrete for use on the above project meet the requirements of the specifications of the South Dakota Department of Transportation.

Supplier or Authorized Representative \_\_\_\_\_  
Signature

Title \_\_\_\_\_

Date \_\_\_\_\_