

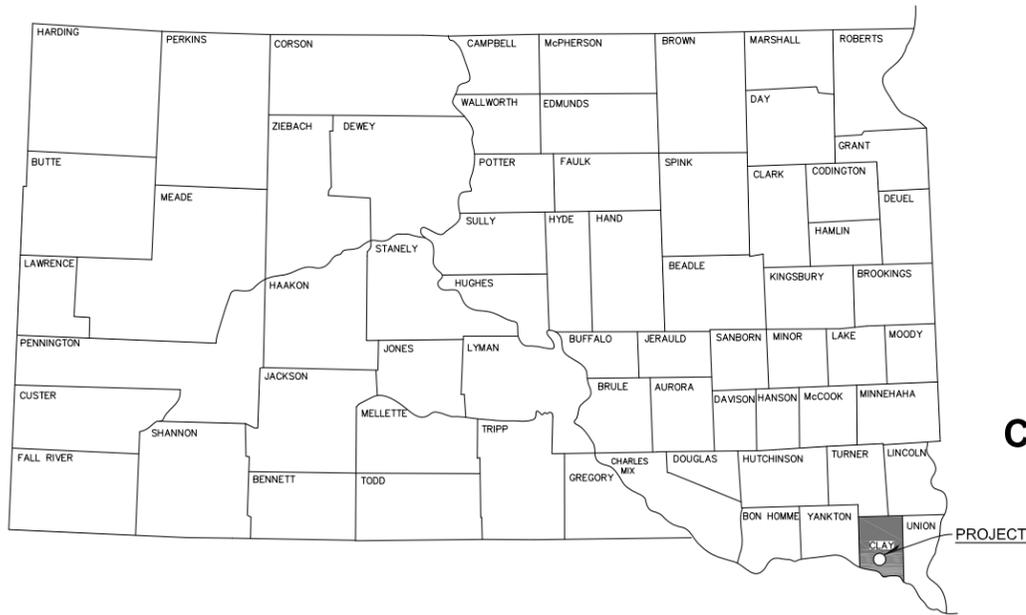
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| STATE OF SOUTH DAKOTA | PROJECT | SHEET | TOTAL SHEETS |
| | P 5708(05) | 1 | 113 |

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION

FOR BIDDING PURPOSES ONLY

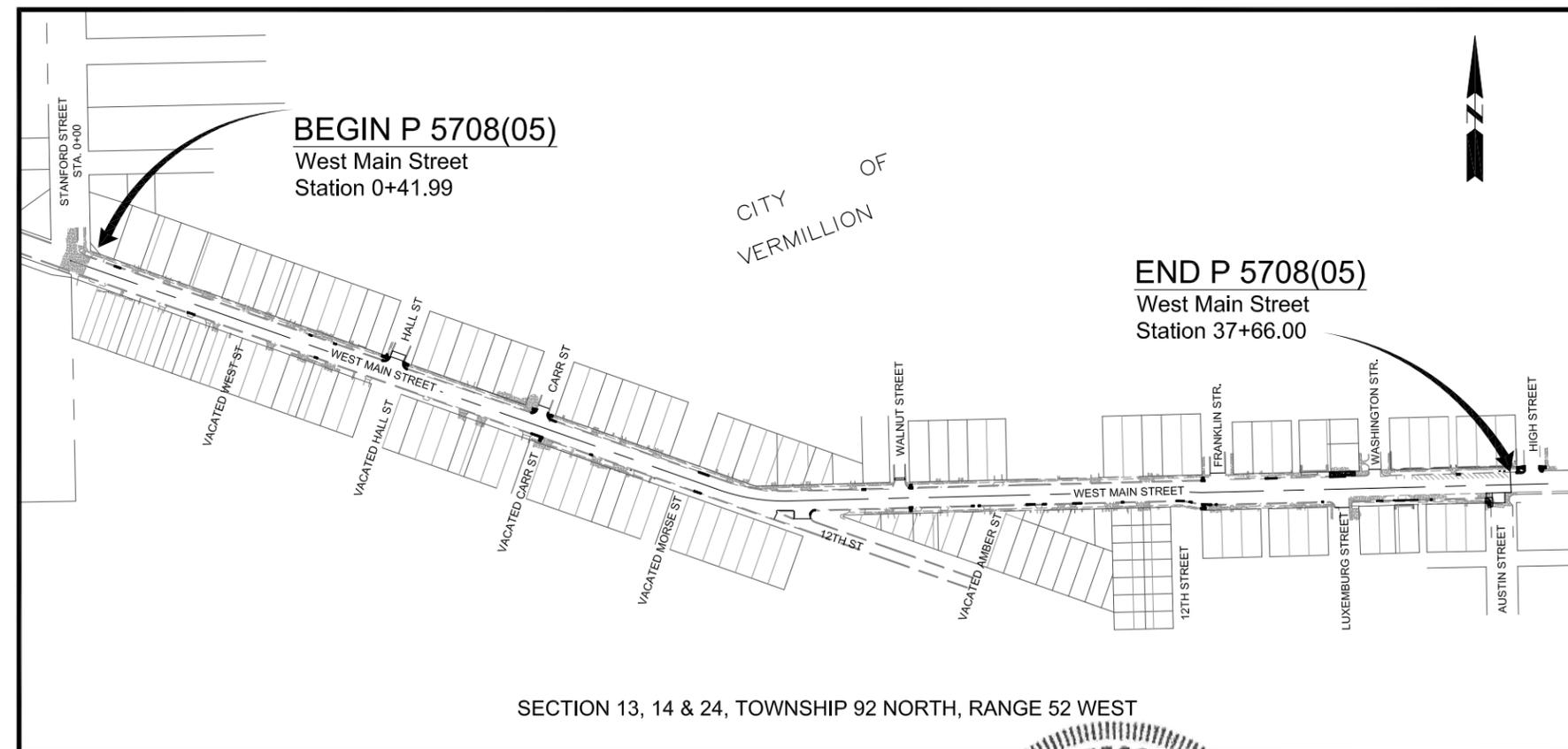
PLANS FOR PROPOSED
PROJECT P 5708(05)
WEST MAIN STREET
CLAY COUNTY

**COLD MILLING ASPHALT CONCRETE, CURB & GUTTER,
ASPHALT CONCRETE RESURFACING,
CURB RAMPS, PAVEMENT MARKINGS
PCN 04AF**



INDEX OF SECTIONS

- SECTION A: ESTIMATE OF QUANTITIES & ENVIRONMENTAL COMMITMENTS
- SECTION B: GRADING PLANS
- SECTION C: TRAFFIC CONTROL PLANS
- SECTION D: EROSION & SEDIMENT CONTROL PLANS
- SECTION F: SURFACING PLANS
- SECTION M: PAVEMENT MARKING PLANS

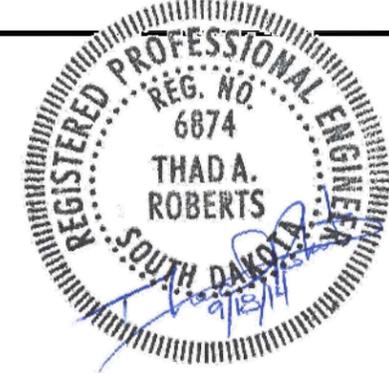


| | |
|---------------------------|-------------------------|
| DESIGN DESIGNATION | WEST MAIN STREET |
| ADT (2012) | 2425 |
| ADT (2032) | 3665 |
| DHV | 390 |
| d | 50% |
| T DHV | 1.7% |
| T ADT | 3.7% |
| POSTED SPEED | 25-30 MPH |

STORM WATER PERMIT
NO PERMIT REQUIRED

SCALES
PLAN 1 INCH = 40 FT. (URBAN)

| | | |
|----------------------|-------------------------|-------------|
| | WEST MAIN STREET | |
| GROSS LENGTH | 3724.01 FEET | 0.705 MILES |
| LENGTH OF EXCEPTIONS | 0 FEET | 0 MILES |
| NET LENGTH | 3724.01 FEET | 0.705 MILES |



I, THAD A. ROBERTS, HEREBY CERTIFY THAT THIS PLAN OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF SOUTH DAKOTA.

DATE: 9/18/14

Thad A. Roberts
THAD A. ROBERTS
REG. NO. 6874

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ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

FOR BIDDING PURPOSES ONLY

| | | | |
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Grading – Section B

| BID ITEM NUMBER | ITEM | QUANTITY | UNIT |
|-----------------|-----------------------------------|----------|------|
| 009E0010 | Mobilization | Lump Sum | LS |
| 110E0300 | Remove Concrete Curb and Gutter | 741 | Ft |
| 110E1010 | Remove Asphalt Concrete Pavement | 112.1 | SqYd |
| 110E1100 | Remove Concrete Pavement | 124.5 | SqYd |
| 110E1140 | Remove Concrete Sidewalk | 173 | SqYd |
| 120E0010 | Unclassified Excavation | 17 | CuYd |
| 380E4050 | 8" PCC Fillet Section | 12.7 | SqYd |
| 451E6080 | Adjust Water Valve Box | 6 | Each |
| 600E0200 | Type II Field Laboratory | 1 | Each |
| 650E0070 | Type B67 Concrete Curb and Gutter | 676 | Ft |
| 650E4670 | Type P7 Concrete Gutter | 46 | Ft |
| 651E0040 | 4" Concrete Sidewalk | 1750 | SqFt |
| 651E7000 | Type 1 Detectable Warnings | 130 | SqFt |
| 671E7010 | Adjust Manhole | 25 | Each |
| 900E0010 | Refurbish Single Mailbox | 5 | Each |
| 900E0012 | Refurbish Double Mailbox | 4 | Each |

Traffic Control – Section C

| BID ITEM NUMBER | ITEM | QUANTITY | UNIT |
|-----------------|--------------------------------|----------|------|
| 634E0010 | Flagging | 40 | Hour |
| 634E0100 | Traffic Control | 3520 | Unit |
| 634E0120 | Traffic Control, Miscellaneous | Lump Sum | LS |
| 634E0380 | Tubular Marker | 261 | Each |
| 900E1080 | Orange Plastic Safety Fence | 544 | Ft |

Erosion and Sediment Control – Section D

| BID ITEM NUMBER | ITEM | QUANTITY | UNIT |
|-----------------|---|----------|------|
| 120E6300 | Water for Vegetation | 7.7 | MGal |
| 230E0020 | Placing Contractor Furnished Topsoil | 18 | CuYd |
| 730E0206 | Type D Permanent Seed Mixture | 10 | Lb |
| 731E0100 | Fertilizing | 4 | Lb |
| 734E0845 | Sediment Control at Inlet with Frame and Grate | 2 | Each |
| 734E0847 | Sediment Control at Type S Reinforced Concrete Drop Inlet | 95 | Ft |

Surfacing – Section F

| BID ITEM NUMBER | ITEM | QUANTITY | UNIT |
|-----------------|----------------------------------|----------|------|
| 260E1010 | Base Course | 162 | Ton |
| 260E2010 | Gravel Cushion | 36.0 | Ton |
| *270E0300 | Haul Material | 1187 | CuYd |
| 320E1200 | Asphalt Concrete Composite | 2417.0 | Ton |
| *320E1200 | Asphalt Concrete Composite | 8.2 | Ton |
| 320E1810 | Asphalt Concrete Leveling Lift | 236.0 | Ton |
| 332E0010 | Cold Milling Asphalt Concrete | 21,281 | SqYd |
| *332E0010 | Cold Milling Asphalt Concrete | 74 | SqYd |
| 380E0050 | 8" Nonreinforced PCC Pavement | 114.2 | SqYd |
| 380E6110 | Insert Steel Bar in PCC Pavement | 20 | Each |

*Non-participating

Pavement Marking – Section M

| BID ITEM NUMBER | ITEM | QUANTITY | UNIT |
|-----------------|--|----------|------|
| 632E1320 | 2.0"x2.0" Perforated Tube Post | 16.5 | Ft |
| 632E3203 | Flat Aluminum Sign, Nonremovable Copy High Intensity | 3.8 | SqFt |
| 633E1460 | Pavement Marking Paint, Symbol | 1 | Each |
| 633E3000 | Durable Pavement Marking, 4" White | 521 | Ft |
| 633E3005 | Durable Pavement Marking, 4" Yellow | 6380 | Ft |
| 633E3010 | Durable Pavement Marking, 8" White | 62 | Ft |
| 633E3030 | Durable Pavement Marking, 24" White | 614 | Ft |
| 633E5100 | Grooving for Durable Pavement Marking, 4" | 6380 | Ft |
| 633E5115 | Grooving for Durable Pavement Marking, 24" | 614 | Ft |

INDEX OF SHEETS

| | |
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| A1 | Estimate of Quantities for Sections B,C,D,F, and M |
| A2 | Environmental Commitments |

SPECIFICATIONS

Standard Specifications for Roads & Bridges, 2004 Edition and Required Provisions, Supplemental Specifications and Special Provisions as included in the Proposal.



ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

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ENVIRONMENTAL COMMITMENTS

An Environmental Commitment is a measure that SDDOT commits to implement in order to avoid, minimize, and/or mitigate a real or potential environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency mentioned below with permitting authority can influence a project if perceived environmental impacts have not been adequately addressed. Unless otherwise designated, the Contractor's primary contact regarding matters associated with these commitments will be the Project Engineer. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office. The environmental commitments associated with this project are as follows:

COMMITMENT E: STORM WATER

Construction activities constitute less than 1 acre of disturbance.

Action Taken/Required:

At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site.

Action Taken/Required:

The DENR and the US Environmental Protection Agency (EPA) have issued separate general permits for the discharge of storm water runoff. The DENR permit applies to discharges on state land and the EPA permit applies to discharges on federal or reservation land. The Contractor is advised this project is regulated under the Phase II Storm Water Regulations and must receive coverage under the General Permit for Construction Activities. A Notice of Intent (NOI) will be submitted to DENR a minimum of 15 days prior to project start by the DOT Environmental Office. A letter must be received from DENR that acknowledges project coverage under this general permit before project start. The Contractor is advised that permit coverage may also be required by off-site activities, such as borrow and staging areas, which are the responsibility of the Contractor.

The Contractor shall adhere to the "Special Provision Regarding Storm Water Discharges to Waters of the State".

A major component of the storm water construction permits is development and implementation of a Storm Water Pollution Prevention Plan (SWPPP), which is a joint effort and responsibility of the SDDOT and the Contractor. Erosion control measures and best management practices will be implemented in accordance with the SWPPP. The SWPPP is a dynamic document and is to be available on-site at all times.

Information on storm water permits and SWPPPs are available on the following websites:

SDDOT: <http://sddot.com/transportation/highways/environmental/stormwater/Default.aspx>

DENR: <http://www.denr.sd.gov/des/sw/stormwater.aspx>

EPA: http://cfpub.epa.gov/npdes/home.cfm?program_id=6

Contractor Certification Form:

The "Department of Environmental and Natural Resources – Contractor Certification Form" (SD EForm – 2110LDV1-ContractorCertification.pdf) shall be completed by the Contractor or their certified Erosion Control Supervisor after the award of the contract. Work may not begin on the project until this form is signed.

The form certifies under penalty of law that the Contractor understands and will comply with the terms and conditions of the Surface Water Discharge General Permit for Storm Water Discharges Associated with Construction Activities for the Project.

The online form can be found at: <http://denr.sd.gov/des/sw/eforms/E2110LDV1-ContractorCertification.pdf>

COMMITMENT H: WASTE DISPOSAL SITE

The Contractor shall furnish a site(s) for the disposal of construction and/or demolition debris generated by this project.

Action Taken/Required:

Construction and/or demolition debris may not be disposed of within the State ROW.

The waste disposal site(s) shall be managed and reclaimed in accordance with the following from the General Permit for Highway, Road, and Railway Construction/Demolition Debris Disposal Under the South Dakota Waste Management Program issued by the Department of Environment and Natural Resources.

The waste disposal site(s) shall not be located in a wetland, within 200 feet of surface water, or in an area that adversely affects wildlife, recreation, aesthetic value of an area, or any threatened or endangered species, as approved by the Project Engineer.

If the waste disposal site(s) is located such that it is within view of any ROW, the following additional requirements shall apply:

1. Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials shall be buried in a trench completely separate from wood debris. The final cover over the construction and/or demolition debris shall consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the State ROW shall be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor shall control the access to waste disposal sites not within the State ROW through the use of fences, gates, and placement of a sign or signs at the entrance to the site stating "No Dumping Allowed".

2. Concrete and asphalt concrete debris may be stockpiled within view of the ROW for a period of time not to exceed the duration of the project. Prior to project completion, the waste shall be removed from view of the ROW or buried and the waste disposal site reclaimed as noted above.

The above requirements will not apply to waste disposal sites that are covered by an individual solid waste permit as specified in SDCL 34A-6-58, SDCL 34A-6-1.13, and ARSD 74:27:10:06.

Failure to comply with the requirements stated above may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

All costs associated with furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates, and signs), and reclamation of the waste disposal site(s) shall be incidental to the various contract items.

COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES

The SDDOT has obtained concurrence with the State Historical Preservation Office (SHPO or THPO) for all work included within the project limits and all designated option borrow sites provided within the plans.

Action Taken/Required:

All earth disturbing activities not designated within the plans require review of cultural resources impacts. This work includes, but is not limited to: staging areas, borrow sites, waste disposal sites, and all material processing sites.

The Contractor shall arrange and pay for a cultural resource survey and/or records search. The Contractor has the option to contact the state Archaeological Research Center (ARC) at 605-394-1936 or another qualified archaeologist, to obtain either a records search or a cultural resources survey. A record search might be sufficient for review; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor shall provide ARC with the following: a topographical map or aerial view on which the site is clearly outlined, site dimensions, project number, and PCN. If applicable, provide evidence that the site has been previously disturbed by farming, mining, or construction activities with a landowner statement that artifacts have not been found on the site.

The Contractor shall submit the records search or cultural resources survey report and if the location of the site is within the current geographical or historic boundaries of any South Dakota reservation to SDDOT Environmental Engineer, 700 East Broadway Avenue, Pierre, SD 57501-2586 (605-773-3180). SDDOT will submit the information to the appropriate SHPO/THPO. Allow **30 Days** from the date this information is submitted to the Environmental Engineer for SHPO/THPO review.

If evidence for cultural resources is uncovered during project construction activities, then such activities shall cease and the Project Engineer shall be immediately notified. The Project Engineer will contact the SDDOT Environmental Engineer in order to determine an appropriate course of action.

SHPO/THPO review does not relieve the Contractor of the responsibility for obtaining any additional permits and clearances for staging areas, borrow sites, waste disposal sites, or material processing sites that affect wetlands, threatened and endangered species, or waterways. The Contractor shall provide the required permits and clearances to the Project Engineer at the preconstruction meeting.

