



Planning & Engineering
Office of Project Development
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dot.sd.gov

April 2, 2024

ADDENDUM NO. 2

**RE: Item #4, April 4, 2024 Letting - P 0042(77)301, PCN 04F6, Davison, Hanson, McCook County
- Cold Milling, Asphalt Concrete Resurfacing, Pipe Work**

TO WHOM IT MAY CONCERN:

The following addenda to the plans shall be inserted and made a part of your proposal for the referenced project.

SPECIAL PROVISIONS: Please remove the Index of Special Provisions and replace with attached Index of Special Provisions revised 4/2/24.

Please remove the "Special Provision for Contract Time", dated 3/1/24 and replace with the "Special Provision for Contract Time", dated 4/2/24.

SDEBS BID PROPOSAL: NO CHANGE

PLANS: Please destroy sheet 33 and replace with the enclosed sheet, dated 4/2/24.

Sheet 33: CORRUGATED METAL PIPE note was revised.

Sincerely,

Sam Weisgram
Engineering Supervisor

SW/cj

CC: Travis Dressen, Mitchell Region Engineer
Jay Peppel, Mitchell Area Engineer

REV 4/2/24

INDEX OF SPECIAL PROVISIONS

PROJECT NUMBER(S): P 0042(77)301

PCN: 04F6

TYPE OF WORK: COLD MILLING, ASPHALT CONCRETE RESURFACING, PIPE WORK
(24" CIPP 102'; 30" CIPP 266'; 36" CIPP 318'; 72" CIPP 246'; 60" CIPP
ARCH 44')

COUNTIES: DAVISON, HANSON, MCCOOK

The following clauses have been prepared subsequent to the Standard Specifications for Roads and Bridges and refer only to the above described improvement, for which the following Proposal is made.

The Contractor's attention is directed to the need for securing from the Department of Environment & Natural Resources, Foss Building, Pierre, South Dakota, permission to remove water from public sources (lakes, rivers, streams, etc.). The Contractor should make his request as early as possible after receiving his contract, and insofar as possible at least 30 days prior to the date that the water is to be used.

Devon Bartscher, Sara Garbe is the official in charge of the Mitchell, Sioux Falls Career Center for Davison, Hanson, McCook Counties.

THE FOLLOWING ITEMS ARE INCLUDED IN THIS PROPOSAL FORM:

Special Provision for Contract Time, dated 4/2/24.

Special Provision for On-The-Job Training Program, dated 3/10/16.

Special Provision Regarding Section 404 of the Clean Water Act, dated 3/5/24.

Fact Sheet #3.

**Special Provision Regarding Railroad Insurance Requirements
for BNSF Railway Company, dated 1/29/24.**

**NOTE: The Contractor WILL NOT be granted permission to proceed with any work on
Railroad Right-of-Way until he has been notified by the Railroad that the insurance
has been approved and the insurances and certificates has been provided to the
SDDOT area office.**

**Special Provision Regarding Working on Railroad Property for BNSF Railway
Company, dated 1/29/24.**

Special Provision for Flexible Pavement Smoothness, dated 5/20/21.

**Special Provision for Glass Reinforced Plastic (GRP) Ultraviolet Light (UV) Cured in Place
Pipe (CIPP) Liner, dated 3/1/24.**

Special Provision for Contractor Staking, dated 3/1/24.

Special Provision for Acknowledgment and Certification Regarding Article 3, Section 12 of the South Dakota Constitution, dated 8/24/23.

Special Provision for Buy America, dated 12/6/23.

Special Provision for Liability Insurance, dated 4/21/22.

Special Provision for Responsibility for Damage Claims, dated 4/21/22.

Special Provision for Restriction of Boycott of Israel, dated 1/31/20.

Special Provision for Contractor Administered Preconstruction Meeting, dated 12/18/19.

Fuel Adjustment Affidavit, DOT form 208 dated 7/15.

Standard Title VI Assurance, dated 3/1/16.

Special Provision For Disadvantaged Business Enterprise, dated 2/9/24.

Special Provision For EEO Affirmative Action Requirements on Federal and Federal-Aid Construction Contracts, dated 2/5/24.

Special Provision For Required Contract Provisions Federal-Aid Construction Contracts, Form FHWA 1273 (Rev. October 23, 2023), dated 10/18/23.

Required Contract Provisions Federal-Aid Construction Contracts, Form FHWA 1273 (Rev. 10/23/23).

Special Provision Regarding Minimum Wage on Federal-Aid Projects, dated 10/24/19.

Wage and Hour Division US Department of Labor Washington DC. - US Dept. of Labor Decision Number SD20230032, dated 3/10/23.

Special Provision for Supplemental Specifications to 2015 Standard Specifications for Roads and Bridges, dated 9/7/22.

Special Provision for Price Schedule for Miscellaneous Items, dated 12/6/23.

Special Provision Regarding Storm Water Discharge, dated 5/8/18.

General Permit for Storm Water Discharges Associated with Construction Activities, dated 4/1/18

<https://danr.sd.gov/OfficeOfWater/SurfaceWaterQuality/stormwater/StormWaterConstruction.aspx>

**STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION
FOR
CONTRACT TIME**

**PROJECT P 0042(77)301, PCN 04F6
DAVISON, HANSON, McCOOK COUNTY**

APRIL 2, 2024

November 15, 2024 Interim Completion Requirement

The Contractor will complete all culvert repair work and heavy roadway reshaping on the project by the November 15, 2024 interim completion date. Any work crossing the roadway will have an AC composite surface to carry traffic over the winter.

The Contractor will complete all work on the project, excluding cold milling, AC overlay, guardrails, permanent pavement markings, and final landscaping by the November 15, 2024 interim completion date. The cold milling, AC overlay, guardrails, permanent pavement markings, and final landscaping work wont be allowed until after the Spring 2025 Work Restriction date.

If the Contractor does not complete the work by the interim completion requirement, the Department will make a disincentive assessment in the amount of \$500 per working day. A contract item for incentive/disincentive pay is included in the bid schedule for the Department's use in assessing disincentive. The Department will use a negative quantity of days for assessing disincentives. The Department will count working days in accordance with Section 8.6 C.

Spring 2025 Work Restriction

For the work restricted to 2025, (cold milling, AC overlay, guardrails, permanent pavement markings, and final landscaping work) the Contractor will not begin work prior to April 21, 2025.

Field Work Completion

The Contractor will complete the project by the July 3, 2025 field work completion date.

Failure to Complete on Time

The Contractor will complete all work on the project prior to the field work completion requirement. If the Contractor does not complete all work by the field work completion

requirement, the Department will assess liquidated damages in accordance with Section 8.8. The Department will assess liquidated damages for each working day the work (project) is late until the Contractor completes all field work.

In the event the Contractor does not complete all field work on time, the Department will count working days in accordance with Section 8.6 C.

Expected Adverse Weather Days

The Department has provided Attachment 1 for information purposes only as a guide to bidders. Table 1 depicts the typical number of adverse weather days expected for any given month, based on historical records. The Department will consider this project a grading project in Zone 5.

The Department will consider expected adverse weather days cumulative in nature over the time period when the Contractor is actively pursuing completion of the work. The Department will not consider adverse weather days during an extended period of time when the Contractor is not pursuing completion of the work. When considering a time extension for interim completion or field work completion of the project, the Engineer will compare the total number of expected adverse weather days against the total number of actual adverse weather days for the time period during which the work was being completed.

* * * * *

ATTACHMENT 1

Figure A - Expected Adverse Weather Days for South Dakota

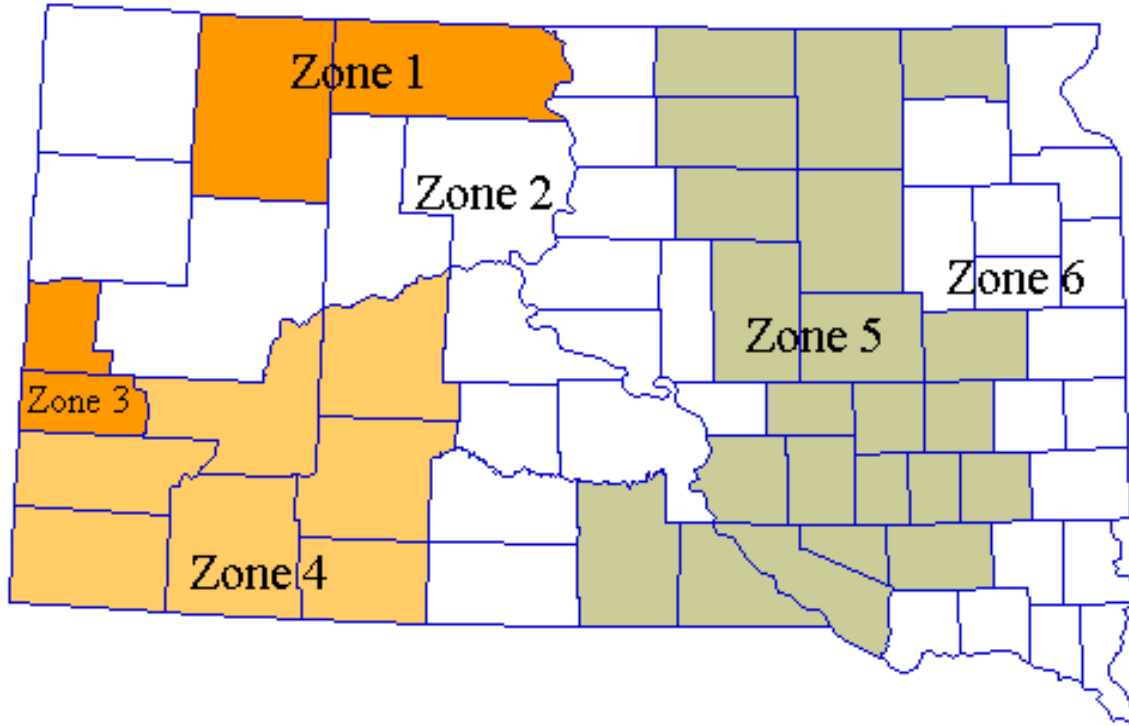


Table 1 - Expected Adverse Weather Days for South Dakota

	Grading Projects						Surfacing and Structural Projects					
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
Jan	18	18	16	16	22	24	18	18	15	16	21	23
Feb	19	18	12	14	19	21	19	18	12	14	19	21
Mar	12	10	9	8	11	13	12	10	9	8	10	12
Apr	6	5	8	5	6	6	5	4	6	4	4	4
May	6	6	8	6	6	6	5	5	6	4	4	5
Jun	7	6	7	6	7	8	5	5	5	4	5	6
Jul	5	5	6	5	6	7	4	4	5	3	4	5
Aug	4	4	5	4	5	6	3	3	4	3	4	4
Sep	3	3	4	3	4	5	2	2	3	2	3	4
Oct	4	3	5	3	4	4	3	3	4	2	3	3
Nov	11	9	8	7	10	12	11	9	8	7	10	11
Dec	21	19	15	14	20	22	21	19	15	14	20	22

NOTE: Includes Holidays and Weekends.

PARTIAL PIPE REMOVAL AND RESET LOCATIONS

At pipe removal and reset locations, removal of the length of pipe specified for reset may require the removal of portions of existing asphalt shoulder surfacing. All costs to saw cut, remove and dispose of asphalt pavement shall be paid for at the contract unit price per cubic yard for "Unclassified Excavation".

If it is determined that the excavation required to remove and reset the specified length of pipe will encroach into driving lanes, the asphalt pavement shall be removed and replaced for the entire width of the driving lane. If excavation encroaches into driving lanes, the lane shall be closed with flaggers provided as per standard plate 634.23. At the end of each working day, all inslope excavations shall be backfilled to a reasonably shallow depth as directed by the Engineer. During non-working hours, a 24' roadway top width shall be maintained at all times.

If asphalt removal is required, after the pipe has been reset and backfilled to the top of the subgrade, a 12" depth of base course and 5" depth (2- 2.5" lifts) of asphalt concrete composite shall be placed to match the adjacent roadway and restore the driving lane and/or shoulder.

All costs associated with the installation of the 12" base course will be paid for at the contract unit price per ton for "Base Course". The cost for asphalt concrete composite installed to restore the driving lane and/or shoulder will be paid for at the contract unit price per ton for "Asphalt Concrete Composite".

PIPE EXTENSIONS

For pipe extensions that are outside the new surfaced shoulder as shown in the typical sections, acceptance tests for pipe culvert backfill of pipe 48" or less in diameter may be performed by visual inspection to the satisfaction of the Engineer. All other pipe density testing requirements will apply.

TEMPORARY EXCAVATION

Temporary 1.5:1 backslopes are required for remove and reset pipe sections at Station 551+31. The temporary slopes will be unstable over the long-term. However, the slopes should remain globally stable over the short-term during construction if measures are taken to divert runoff away from the slopes and construction activities are sequenced to minimize the amount of time the temporary backslopes are left exposed and unsupported. Regular monitoring of temporary slopes is required during construction. If temporary slopes become unstable, excavation will cease, and the slope will be evaluated by the Engineer.

CULVERT EXTENSIONS

The Contractor and the Engineer will verify the culvert sizes and lengths prior to ordering material.

PIPE COVER

The earthen subgrade cover for some pipe installations is less than one foot. The Contractor will take the necessary precautions to ensure the structural properties of the pipes are not damaged after installation and prior to the placement of final surfacing. Any additional costs for preventing damage to these pipes will be incidental to the contract unit price per foot for the corresponding pipe installation contract item.

INSLOPE TRANSITIONS

Inslope transitions will be required at various pipe locations. Refer to Standard Plate 120.05 for installation details. Inslope Transition borrow quantities are included in the contractor furnished borrow quantity in the Table for Mainline Culvert Work.

CORRUGATED METAL PIPE

Corrugated metal pipes will have 2 3/8-inch x 1/2-inch corrugations for 42-inch and smaller round pipe and 48-inch and smaller arch pipe unless otherwise stated in the plans. Corrugated metal pipes will have 3-inch x 1-inch or 5-inch x 1-inch corrugations for 48-inch and larger round pipe and 54-inch and larger arch pipe unless otherwise stated in the plans.

Areas within the project have soils that are highly corrosive to steel. Corrugated metal pipe in these areas will be polymer coated 14 gauge steel as specified in the Table of Pipe Quantities. Any required connection bands, elbows, tees, crosses, wyes, reducers, and transitions will also be polymer coated. The connection bands will be 24 inches wide. All polymer coated corrugated metal pipe and components will be in conformance with AASHTO M245. Connection Bands will be allowed to be shop coated. Riveted pipe will not be allowed except for pipe lengths of 10 feet or less.

All damage to the polymer coating will be repaired in accordance with the manufacturer's recommendations prior to installation of the pipe.

All costs associated with the polymer coating including repair of polymer coating will be incidental to the corresponding CMP contract items.

Metal pipe end sections connected to polymer coated CMP will be aluminum-coated (Type 2) in accordance with AASHTO M36 as specified in the Table of Pipe Quantities. All costs associated for gauge, coating, and connections will be incidental to the corresponding CMP End Section contract items

PIPE FOR DOWNSPOUTS

The substitution of Class 2 reinforced concrete pipe, high density polyethylene pipe, polypropylene pipe, or steel reinforced polyethylene pipe for corrugated metal downspout pipes is not allowed.

STEEL PIPE TO RCP TRANSITION

The length of each transition is assumed to be 2 feet long. The steel pipe used in the transition will meet the same requirements, including pipe specifications, coal tar epoxy coating, and welding to adjoining steel pipe sections as the steel pipe used in the bore and jack installation.

The transition section fabricator will submit 2 copies of the shop plans to the Office of Bridge Design for review 15 days prior to fabrication. One reviewed copy will be sent back to the fabricator who will then make changes, if any, and then send the Office of Bridge Design 7 final approved copies for distribution.

All costs for furnishing and installing the Steel to RCP transitions will be incidental to the contract unit price per each for the corresponding size "Concrete/Steel Pipe Transition, Furnish" and "Pipe Transition, Install" contract items.

TABLE OF TYPE L MEDIAN DRAINS
(Quantities Shown for Information Only)

Station	L/R	H (Ft)	Class M6 Concrete (CuYd)	Reinforcing Steel (Lb)	Type L Frame and Grate Assembly (Each)
446+70	R	3	1.34	102	1
Totals:			1.34	102	1

EMBANKMENT ADJACENT TO CULVERTS

Earth embankment adjacent to the existing culverts/end sections shown in the Table of Mainline Culvert Work will be removed prior to removing the culverts/end sections. Upon installation/reset of the culvert/end sections, the earth embankment will be replaced and compacted adjacent to the culvert/end sections.

Cost for removing, replacing and compacting the earth embankment is included in the contract unit price per cubic yard for Unclassified Excavation.

REINFORCED CONCRETE PIPE JOINT REPAIR AND VOID GROUTING

The Contractor will provide a notarized statement, from the Manufacturer, that the products used for culvert joint repair meet the specified requirements, along with the Manufacturer's current product specification and installation instructions.

The Contractor will be an Approved Contractor of the Manufacturer of the specified product and will provide written certification from the Manufacturer attesting to their Approved Contractor status.

All product documentation and Contractor submittals must be submitted to the Engineer prior to or at the preconstruction conference. The Contractor must have the Engineer's approval prior to commencing any of this work.

The Contractor will follow the Manufacturer's installation instructions and specifications throughout the repair process

Temperature of the specified products is critical from the point of pumping to the point of injection. All polyurethanes react faster at higher temperatures. Drum heaters and heated hoses are required when ambient or ground temperatures are below 70 degrees Fahrenheit. The optimum hose temperature will vary with the weather conditions and the particular job site conditions with the minimum hose temperature being 75 degrees Fahrenheit and the maximum hose temperature being 95 degrees Fahrenheit and the drum temperature not to exceed 90 degrees Fahrenheit.

The Contractor will provide worker and inspector safety protective gear in accordance with the manufacturer, including but not limited to chemical goggles, face shields, eye wash system and NBR gloves.

The Contractor will provide safe storage and handling of materials prior to delivery and at the project site. All material installation, handling and storage will be in accordance with the Manufacturer's recommendations.

The Contractor will visit the project to determine the extent of culvert joints to be cleaned and filled, prior to bidding.

Culvert Joint Cleaning and Repair Culvert Joint quantities will be based upon the following table showing circumference of joints based upon culvert size and shape.

Pipe Diameter	Round Pipe Circumference per Joint	Arch Pipe Circumference per Joint
(In)	(Ft)	(Ft)
36	9.4	
42	11.0	11.0
48	12.6	
54	14.1	
60	15.7	
66	17.3	
72	18.8	19.0
78	20.4	
84	22.0	