

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
385N-492, 018W-492, etc.		1	3

Plotting Date: 03/26/2021

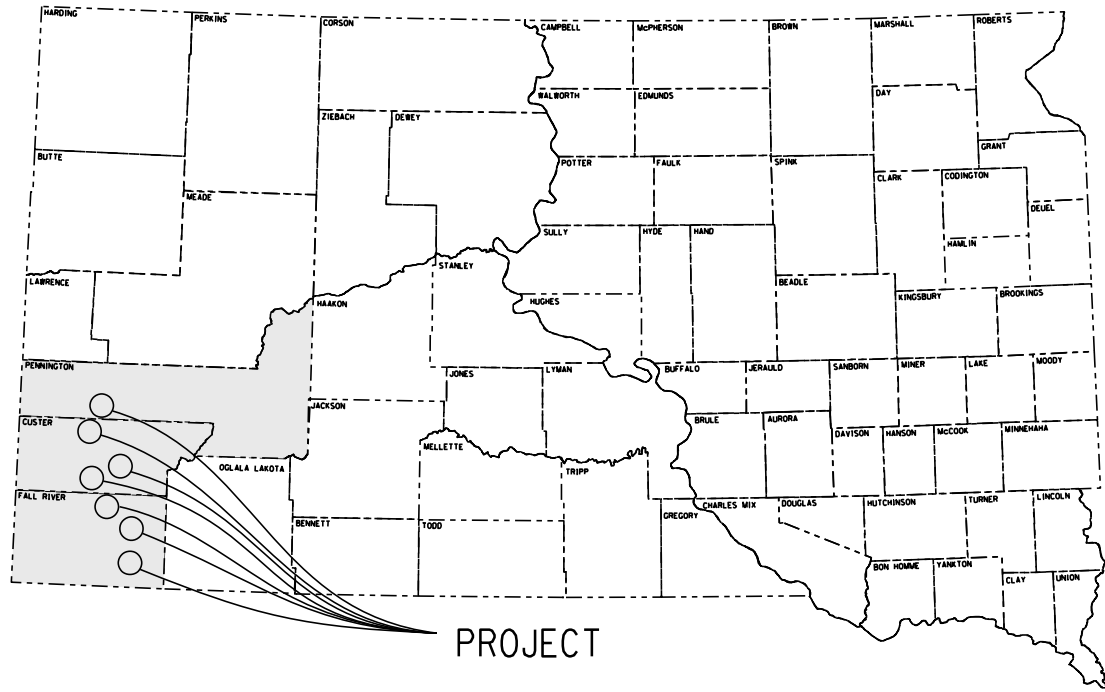
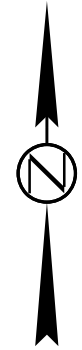
**STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED**

**PROJECTS 385N-492, 018W-492, 018-492, 385-492,
079S-492, 016-491 & 385-491**

**US HIGHWAYS 385, 18 & 16
SD HIGHWAY 79**

PENNINGTON, CUSTER & FALL RIVER COUNTIES

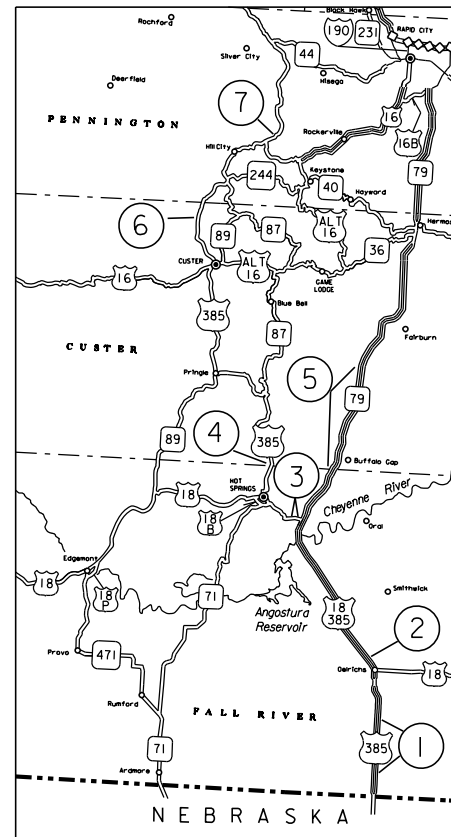
PAVEMENT FOAM JACKING
PCNS i6f1, i6fm, i6fn, i6fp, i6fq,
i6fr & i6ft



PLOT SCALE - 1:200

PLOT NAME - 1

- ① US385N, MRM 2.00 to 5.83, 385N-492, PCN i6f1
- ② US18W, MRM 61.02 to 61.06, 018W-492, PCN i6fm
- ③ US18, MRM 43.94 to 43.98, 018-492, PCN i6fn
- ④ US385, MRM 39.78, 385-492, PCN i6fp
- ⑤ SD79S, MRM 33.71 to 44.10, 079S-492, PCN i6fq
- ⑥ US16, MRM 33.14, 016-491, PCN i6fr
- ⑦ US385, MRM 86.32, 385-491, PCN i6ft



INDEX OF SHEETS

Sheets 1: Title Sheet
Sheet 2-3: Estimate of Quantities & Plan Notes

Storm Water Permit
No Permit Required

PLOTTED FROM - TRRC11951

FILE - ... \FOAM JACKING\16FL-TITLE.DGN

ESTIMATE OF QUANTITIES (079S-492, PCN i6fq)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	1	LS
392E0210	PCC Pavement Jacking Foam	7,500	Lb

ESTIMATE OF QUANTITIES (385-492, PCN i6fp)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	1	LS
392E0210	PCC Pavement Jacking Foam	1,500	Lb

ESTIMATE OF QUANTITIES (018-492, PCN i6fn)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	1	LS
392E0210	PCC Pavement Jacking Foam	3,000	Lb

ESTIMATE OF QUANTITIES (018W-492, PCN i6fm)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	1	LS
392E0210	PCC Pavement Jacking Foam	3,000	Lb

ESTIMATE OF QUANTITIES (385N-492, PCN i6fi)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	1	LS
392E0210	PCC Pavement Jacking Foam	7,500	Lb

ESTIMATE OF QUANTITIES (016-491, PCN i6fr)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	1	LS
392E0210	PCC Pavement Jacking Foam	1,500	Lb

ESTIMATE OF QUANTITIES (385-491, PCN i6ft)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	1	LS
392E0210	PCC Pavement Jacking Foam	1,500	Lb

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 2015 Edition and Required Provisions, Supplemental Specifications, and Special Provisions as included in the Proposal.

COMMITMENT H: WASTE DISPOSAL SITE

The Contractor will 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 Public ROW.

The waste disposal site(s) will be managed and reclaimed in accordance with the following from the General Permit for 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) will 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 Environmental Office and the Project Engineer.

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

1. Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials will be buried in a trench separate from wood debris. The final cover over the construction and/or demolition debris will consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the Public ROW will be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor will control the access to waste disposal sites not within the Public ROW with 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 not to exceed the duration of the project. Prior to project completion, the waste will 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) will be incidental to the various contract items.

COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES

State Historic Preservation Office (SHPO or THPO) concurrence has not been obtained for this project.

Action Taken/Required:

All earth disturbing activities not designated within the plans require a cultural resource review prior to scheduling the pre-construction meeting. This work includes but is not limited to: Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas.

The Contractor will arrange and pay for a record search and when necessary, a cultural resource survey. 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 if the site was previously surveyed; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor will provide ARC with the following: a topographical map or aerial view of 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 will submit the cultural resources survey report to SDDOT Environmental Office, 700 East Broadway Avenue, Pierre, SD 57501-2586. 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.

In the event of an inadvertent discovery of human remains, funerary objects, or if evidence of cultural resources is identified during project construction activities, then such activities will immediately cease and the Project Engineer will be immediately notified. The Project Engineer will contact the SDDOT Environmental Office to determine an appropriate course of action.

The Contractor is responsible for obtaining any additional permits and clearances for Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas that affect wetlands, threatened and endangered species, or waterways. The Contractor will not utilize a site known or suspected of having contaminated soil or water. The Contractor will provide the required permits and clearances to the Project Engineer at the preconstruction meeting.

SCOPE OF WORK

Work on this project involves correcting the pavement profile with Pavement Jacking Foam.

PAVEMENT JACKING FOAM QUANTITIES

Due to the dollar amount budgeted for this work; the locations of pavement jacking will be done in the order of the priority number provided in the tables, starting with #1. The Engineer reserves the right to eliminate locations once the budgeted dollar amount is exceeded.

TABLE OF PCC PAVEMENT JACKING FOAM (079S-492, PCN i6fq)

Highway	MRM	Direction	PCCP Jacking Foam (Lb)	Priority #
SD79	44.10	Southbound	1500	1
SD79	44.06	Southbound	1500	1
SD79	42.80	Southbound	1500	1
SD79	41.90	Southbound	1500	1
SD79	34.85	Southbound	1500	1
SD79	34.46	Southbound	1500	1
SD79	33.71	Southbound	1500	1
		Total	7500	

TABLE OF PCC PAVEMENT JACKING FOAM (385-492, PCN i6fp)

Highway	MRM	Direction	PCCP Jacking Foam (Lb)	Priority #
US385	39.78	Both	1500	1
		Total	1500	

TABLE OF PCC PAVEMENT JACKING FOAM (018-492, PCN i6fn)

Highway	MRM	Direction	PCCP Jacking Foam (Lb)	Priority #
US18	43.94	Westbound	1500	1
US18	43.98	Westbound	1500	1
		Total	3000	

TABLE OF PCC PAVEMENT JACKING FOAM (018W-492, PCN i6fm)

Highway	MRM	Direction	PCCP Jacking Foam (Lb)	Priority #
US18	61.02	Westbound	1500	1
US18	61.06	Westbound	1500	1
		Total	3000	

TABLE OF PCC PAVEMENT JACKING FOAM (385N-492, PCN i6fl)

Highway	MRM	Direction	PCCP Jacking Foam (Lb)	Priority #
US385	2.00	Northbound	1500	1
US385	2.06	Northbound	1500	1
US385	2.26	Northbound	1500	1
US385	2.97	Northbound	1500	1
US385	5.83	Northbound	1500	1
		Total	7500	

TABLE OF PCC PAVEMENT JACKING FOAM (016-491, PCN i6fr)

Highway	MRM	Direction	PCCP Jacking Foam (Lb)	Priority #
US16	33.14	Both	1500	2
		Total	1500	

TABLE OF PCC PAVEMENT JACKING FOAM (385-491, PCN i6ft)

Highway	MRM	Direction	PCCP Jacking Foam (Lb)	Priority #
US385	86.32	Both	1500	2
		Total	1500	

TRAFFIC CONTROL

All work activities will be completed from the hours of 9:00 am to 4:00 pm on Interstate 90 between MRM's 52.0 to and 64.0. Traffic control will be removed and all lanes will be open and traffic unimpeded at the end of each day.

Traffic control will be accomplished by DOT personnel. The Contractor will coordinate with DOT personnel at least two weeks prior to the start of construction. The Custer Area Engineer for unit 491 and 492 is Rich Zacher 605-673-9014. The Maintenance Supervisor for unit 491 is Greg Boness 605-673-1304. The Maintenance Supervisor for unit 492 is Clarence Bowman 605-673-1306.

Unless otherwise stated in these plans, no work will be allowed during hours of darkness.

Non-applicable traffic control devices will be completely covered or removed during periods of inactivity. Periods of inactivity will be defined as no work taking place for a period of more than 48 hours.

All materials and equipment will be stored a minimum distance of 30' from the traveled way during nonworking hours.

If there is a discrepancy between the traffic control plans, standard plates, and the MUTCD – whichever is more stringent will be used, as determined by the Engineer.

All construction operations will be conducted in the general direction of traffic movement.