

# **ABERDEEN AREA**

# BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

# ENVIRONMENTAL COMMITMENTS

The SDDOT is committed to protecting the environment and uses Environmental Commitments as a communication tool for the Engineer and Contractor to ensure that attention is given to avoid, minimize, and/or mitigate an environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency with permitting authority can delay a project if identified 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. During construction, the Project Engineer will verify that the Contractor has met Environmental Commitment requirements. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office.

Additional guidance on SDDOT's Environmental Commitments can be accessed through the Environmental Procedures Manual found at: <<u>https://dot.sd.gov/media/documents/EnvironmentalProceduresManual.pdf</u>>

For questions regarding change orders in the field that may have an effect on an Environmental Commitment, the Project Engineer will contact the Environmental Engineer at 605-773-3180 or 605-773-4336 to determine whether an environmental analysis and/or resource agency coordination is necessary.

Once construction is complete, the Project Engineer will review all environmental commitments for the project and document their completion.

#### COMMITMENT B: FEDERALLY THREATENED, ENDANGERED, AND PROTECTED SPECIES

#### COMMITMENT B2: WHOOPING CRANE

The Whooping Crane is a spring and fall migratory bird in South Dakota that is about 5 feet tall and typically stops on wetlands, rivers, and agricultural lands along their migration route. An adult Whooping Crane is white with a red crown and a long, dark, pointed bill. Immature Whooping Cranes are cinnamon brown. While in flight, their long necks are kept straight and their long dark legs trail behind. Adult Whooping Cranes' black wing tips are visible during flight.

#### Action Taken/Required:

Harassment or other measures to cause the Whooping Crane to leave the site is a violation of the Endangered Species Act. If a Whooping Crane is sighted roosting in the vicinity of the project, borrow pits, or staging areas associated with the project, cease construction activities in the affected area until the Whooping Crane departs and immediately contact the Project Engineer. The Project Engineer will contact the Environmental Office so that the sighting can be reported to USFWS.

#### COMMITMENT B4: BALD EAGLE

Bald eagles are known to occur in this area.

#### Action Taken/Required:

If a nest is observed within one mile of the project site, notify the Project Engineer immediately so that he/she can consult with the Environmental Office for an appropriate course of action.

#### COMMITMENT C: WATER SOURCE

The Contractor will not withdraw water with equipment previously used outside the State of South Dakota or previously used in aquatic invasive species (AIS) positive waters within South Dakota without prior approval from the SDDOT Environmental Office. To prevent and control the introduction and spread of invasive species into the project vicinity, all equipment will be power washed with hot water (≥140 °F) and completely dried for a minimum of 7 days prior to subsequent use. South Dakota administrative rule 41:10:04:02 forbids the possession and transport of AIS; therefore, all attached dirt, mud, debris and vegetation must be removed and all compartments and tanks capable of holding standing water must be drained. This includes, but is not limited to, all equipment, pumps, lines, hoses and holding tanks.

#### BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

#### COMMITMENT C: WATER SOURCE (Cont.)

The Contractor will not withdraw water directly from streams of the James, Big Sioux, and Vermillion watersheds without prior approval from the SDDOT Environmental Office.

#### Action Taken/Required:

The Contractor will obtain the necessary permits from the regulatory agencies such as the South Dakota Department of Agriculture and Natural Resources (DANR) and the United States Army Corps of Engineers (USACE) prior to water extraction activities.

Additional information and mapping of water sources impacted by Aquatic Invasive Species in South Dakota can be accessed at:

< https://sdleastwanted.sd.gov/maps/default.aspx>

<u>South Dakota Administrative Rule 41:10:04 Aquatic Invasive Species:</u> <u>https://sdlegislature.gov/rules/DisplayRule.aspx?Rule=41:10:04 ></u>

#### 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:

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 Agriculture 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.

#### BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

#### COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES

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

#### Action Taken/Required:

All earth disturbing activities 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 in 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 within 100 feet of the inadvertent discovery will

immediately cease and the Project Engineer will be immediately notified. The Project Engineer will contact the SDDOT Environmental Office, who will contact the appropriate SHPO/THPO within 48 hours of the discovery 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.

#### BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

#### SPECIFICATIONS

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

#### SCOPE OF WORK

Contractor will furnish all necessary vehicles, equipment, supervision, labor, materials, tools, water, debris disposal and incidentals necessary to complete the work to the satisfaction of the Engineer. Work to be done consists of cleaning/sweeping bridge decks, adjacent approach slabs, and transverse joints located within the bridge deck and approach slabs. The cleaning/sweeping operation will consist of removing all dirt, mud, silt, sand, paper, rocks, cans, glass, dead animal carcasses, tire retreads, vehicle parts and other debris. Unforeseen conditions, such as weather, can bring unusual amounts of debris to bridge sites. Removal of all debris regardless of scope and magnitude is the responsibility of the Contractor.

Contractor will be required to provide specialized heavy equipment such as sweepers, haul trucks and air compressors to remove debris, sand, mud and silt from bridge sites as indicated in the Contract.

For each bridge site the Contractor will perform a cleaning/sweeping twice during the terms of this contract. The first cleaning/sweeping will be conducted during the months of April and May. The second cleaning/sweeping will be conducted during the months of September and October.

#### GENERAL REQUIREMENTS

Contractor will evaluate actual bridge site characteristics before submitting a bid. It is the intent of this Contract to provide for cleaning and sweeping of all bridge decks, adjacent approach slabs, and transverse joints located within the bridge deck and approach slabs within the areas described herein.

The TABLE OF BRIDGES (Attachment 1) contained within these plans provides the list of bridge sites that require cleaning/sweeping. This table also provides information on bridge length, width and size of approach slabs. Not all bridges contain approach slabs. The cover map(s) provide a general idea of bridge site locations.

Contractor will comply with all Federal, State, County and local regulations, including disposal of debris collected.

All work will be accomplished during daylight hours.

Equipment and vehicles will not be stored in the highway Right-of-Way.

Approach Slabs as defined for this contract are reinforced concrete slabs located at each end of the bridge deck. Approach slabs typically have curbs located along the edges of the slab. The length of approach slabs varies in length and in some cases, consist of 2 slabs. The end of an approach slab is typically defined by a wide joint of over 6 inches or 2 joints located with 2 feet between the joints.

#### CLEANING SCHEDULE

The Contractor will provide the Engineer a cleaning schedule for the upcoming week, no later than 10AM Friday. The Contactor will provide the Engineer a phone number to be able to contact the onsite Forman of the crew during working hours.

#### BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

#### TRAFFIC CONTROL

For a 2 lane roadway with traffic in opposing directions, traffic control will be as per Standard Plate 634.23. As an alternate, the Contractor may use the traffic control plan MOBILE SWEEPING OPERATIONS ON A 2 LANE ROADWAY contained within this document.

For a 4 lane divided roadway, traffic control will be as per Standard Plate 634.64. As an alternate, the Contractor may use the traffic control plan MOBILE SWEEPING OPERATIONS ON DIVIDED 4-LANE ROADWAY contained within this document.

For a 4 lane undivided roadway, traffic control will be as per Standard Plate 634.47. As an alternate, the Contractor may use the traffic control plan MOBILE SWEEPING OPERATIONS ON DIVIDED 4-LANE ROADWAY contained within this document.

Vehicles and equipment working in traffic or alongside traffic will be equipped with a flashing amber light visible from all directions at a minimum distance of 1/2 mile. The amber light will be mounted on the uppermost part of the Contractor's vehicle. Lights must flash at 75 ±15 flashes per minute. The sweeper will have lights, meeting the aforementioned requirements, at the front and back of the equipment. Vehicle flasher/hazard lights are not acceptable.

#### SWEEPING REQUIREMENTS

Sweeping areas will include all curb lines along both sides of the bridge deck and approach slabs, or to the edge of the pavement or guardrail where no curbs exist, along all curbs on raised medians, and over all portions of painted medians. Contractor is responsible for sweeping from the marked white or yellow edge line to the edge of bridge deck or approach slab regardless of the width. If there are no marked white or yellow edge lines, a minimum width of 5 feet will be swept along the edges of the bridge deck or approach slab.

All refuse materials and debris will be collected.

Effort beyond a mechanical sweeper may be required to loosen harden and packed material on the surface and along the curb face.

Sweeping will be accomplished in the same direction as traffic flow at all times.

Contractor will make every reasonable effort to minimize streaks left by sweepers.

At least 2 passes of the sweeper will be made over areas that require sweeping. The total number of passes required will vary based upon the width of sweeping required and the width of the sweeper used.

Sweeping operations will extend at least 50 feet beyond both ends of the approach slab, or end of bridge deck if no approach slab is present. There should be no ridge or pile of material left on the roadway or shoulder surface at the end of the sweeping operations. This may require hand work under the guardrail.

#### JOINT CLEANING REQUIREMENTS

Transverse joint openings located on the bridge deck and approach slabs will be cleaned of debris with compressed air, or other methods approved by the Engineer. Joint cleaning will be accomplished at the same time as sweeping of the bridge deck and approach slabs. Debris will not be blown over the edge of the deck onto the underlying roadway or waterway channel. The entire length of the joint will be cleaned.

#### BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

#### BRIDGE CLEANING EXCEPTIONS

The bridge within the City of Aberdeen on US12 does not require cleaning. The bridge on US12 at MRM 278.45 (Mina), the bridge on SD10 at MRM 294.54 (Houghton) and the bridge on SD10 at MRM 316.70 (west of Britton) do not require cleaning as they will be replaced in 2024.

#### BRIDGE CLEANING CONFLICTS

There are bridges that are scheduled for construction during the calendar year. This construction may conflict with the completion of 2 bridge cleanings. These potential conflicts are noted in The TABLE OF BRIDGES (Attachment 1) in the far-right column. It is anticipated that one cleaning can be accomplished on these bridges. Quantities for the project are based upon these conflict bridges being cleaned one time. The Contractor will work with the Engineer to determine what locations have conflicts at the time cleaning is planned.

#### DISPOSAL

All refuse materials and debris collected will become the property of the Contractor and will be properly disposed of.

NO "on road" storage or dumping will be permitted.

#### EQUIPMENT

All equipment will be adequately maintained both mechanically and visually, and will be fully operational during all sweeping operations.

All equipment will be properly registered and insured according to motor vehicles laws of the state of South Dakota.

All units will be clearly and prominently marked with Contractor's company name.

<u>AIR COMPRESSOR</u>

Compressor will have a rated pressure of 100 psi with a minimum pressure level of 80 psi. Compressor will be capable of delivering a minimum of 180 CFM.

#### • SWEEPER

Minimum width of main broom or pickup head will be 54 inches. Sweeper will utilize both left side and right side brooms for picking up debris. Sweeper will have an internal self-contained storage hopper. Storage hopper will be a minimum capacity of 4 Cubic Yards.

#### • SWEEPER BRUSH/BROOM REPLACEMENT

Worn brushes and brooms will be replaced and adjusted to insure maximum efficiency.

a. Six (6) inches on the gutter brushes;

- b. As required on trash direction brush;
- c. Six (6) inches on the main broom.

These will be minimum criteria and final determination will be on the effectiveness of all brushes and brooms.

#### BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

#### EQUIPMENT (Cont.)

• <u>ATTENUATOR</u>

Truck mounted or trailer attenuators may be utilized, provided attenuators conform to and are maintained in accordance with the requirements of Section 634.2 and Part 6 of the MUTCD for Category III traffic control devices.

#### DUST CONTROL

Contractor will use all reasonable methods to minimize dust emissions during the performance of this Contract. Contractor will not create dust in such a quantity to create a nuisance, danger, or impair visibility.

Spraying of water during sweeping operations may be required to control dust.

#### PERFORMANCE

Primary objectives of the cleaning/sweeping program are:

- Remove debris buildup to reduce infiltration of roadway deicers into concrete.
- Prevent debris from enter storm drains and bridge deck drains.
- Prevent debris from entering waterways.
- Maintain gutter flow lines free of debris for free flow of water.
- Maintain a state of cleanliness for safety and acceptable to travelers.

Sweeping will normally consist of a pass (or passes) over an area. Contractor will make as many passes or such extra effort as may be required to adequately clean the bridge deck and approach slabs. Obstructions such as accumulations of silt, compacted dirt, leaves and similar debris will be removed. Items such as small tree limbs, dead animal carcasses, tire retreads, vehicle parts and rocks may require removal prior to sweeping with a mechanical sweeper.

Inspections will be performed on a regular basis, as well as spot checks and response to complaints.

Engineer will decide adequacy of cleaning/sweeping.

In the event that the results of a cleaning/sweeping are considered to be unsatisfactory, Contractor will reclean/sweep unsatisfactory area(s) at Contractor's expense within 10 days after notification.

SDDOT reserves the right to withhold payment for missed, incomplete or unsatisfactory sweeping performance.

#### DEFICIENT PERFORMANCE

Liquidated Damages will be applied to deficient performance and/or late completion.

Repeated instances of failure to perform will result in cancellation of the Contract.

#### BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

#### **RECORD KEEPING**

Contractor will complete RECORD OF BRIDGE CLEANING (Attachment 2) contained within the contract. Contractor will document arrival time at each bridge site, start and finish time of sweeping operations, number of passes made with sweeper, and departure time from each bridge site. Payment for services will not be made until document is completed and submitted to Engineer. Recording keeping will be kept up to date at all times and records will be made available to Engineer at any time.

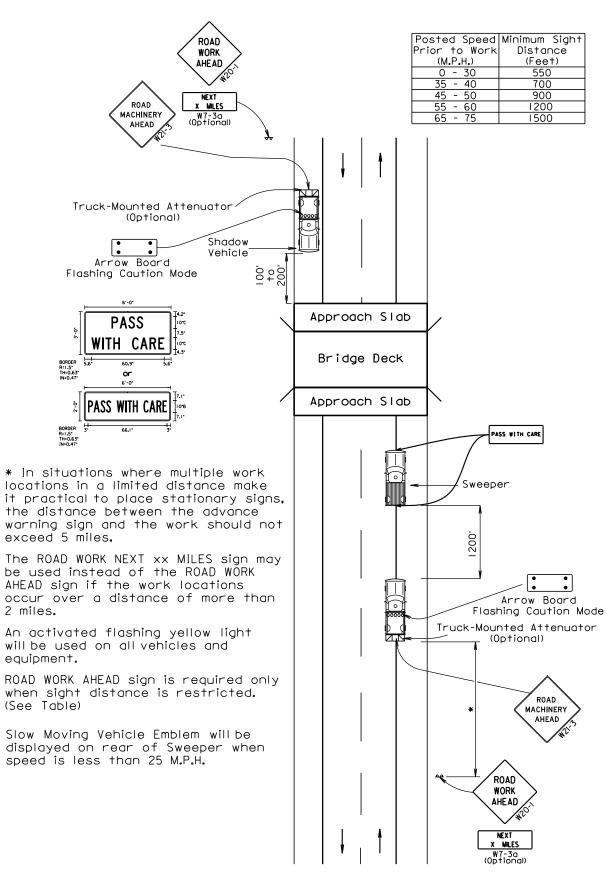
The Contractor may submit to the Area Engineer, other methods of documenting cleaning progress. The Contractor will submit alternate documenting methods a minimum of 1 week prior to the preconstruction meeting.

#### BASIS OF MEASUREMENT AND PAYMENT

All costs for equipment, materials, labor and incidentals to clean/sweep will be incidental to the contract unit price per site for MISCELLANEOUS WORK. A cleaning/sweeping during the months of April and/or May will constitute 1 site payment and the second cleaning/sweeping in September and/or October will constitute 1 site payment. The cost for disposal of all refuse materials and debris, including dump fees, will be included in the contract unit price per site for MISCELLANEOUS WORK.

All costs for shadow vehicles, traffic control signs, arrow boards, flaggers, impact attenuators and other safety devices will be incidental to the contract lump sum price for TRAFFIC CONTROL, MISCELLANEOUS.

# BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES **MOBILE SWEEPING OPERATIONS ON A 2-LANE ROADWAY**



BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

# MOBILE SWEEPING OPERATIONS ON A DIVIDED 4-LANE ROADWAY

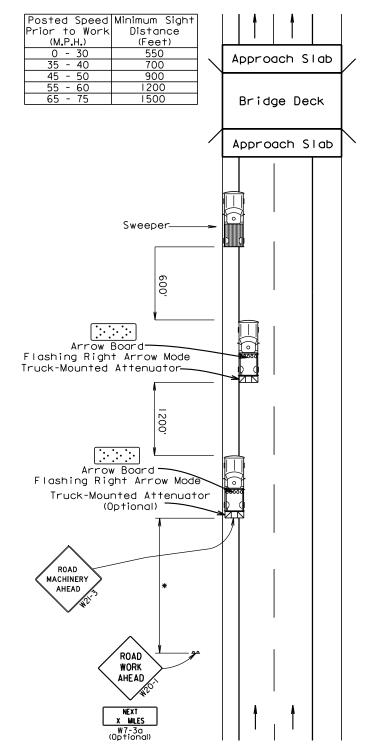
\* In situations where multiple work locations in a limited distance make it practical to place stationary signs, the distance between the advance warning sign and the work should not exceed 5 miles.

The ROAD WORK NEXT xx MILES sign may be used instead of the ROAD WORK AHEAD sign if the work locations occur over a distance of more than 2 miles.

An activated flashing yellow light will be used on all vehicles and equipment.

ROAD WORK AHEAD sign is required only when sight distance is restricted. (See Table)

Slow Moving Vehicle Emblem will be displayed on rear of Sweeper when speed is less than 25 M.P.H.



BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

# MOBILE SWEEPING OPERATIONS ON A DIVIDED 4-LANE ROADWAY

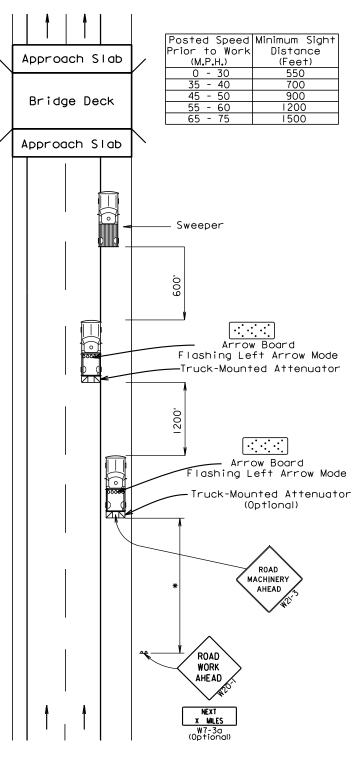
\* In situations where multiple work locations in a limited distance make it practical to place stationary signs, the distance between the advance warning sign and the work should not exceed 5 miles.

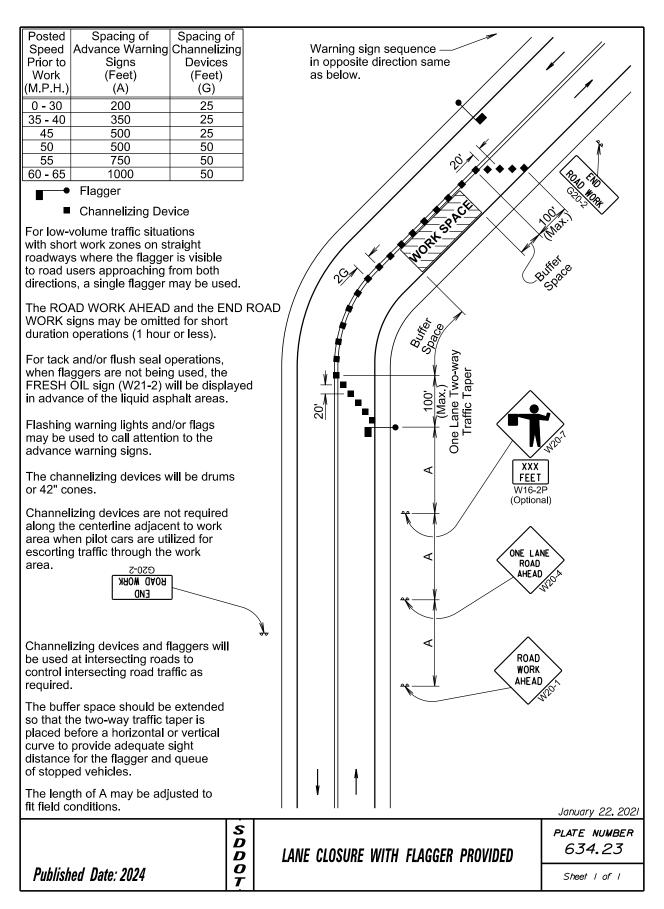
The ROAD WORK NEXT xx MILES sign may be used instead of the ROAD WORK AHEAD sign if the work locations occur over a distance of more than 2 miles.

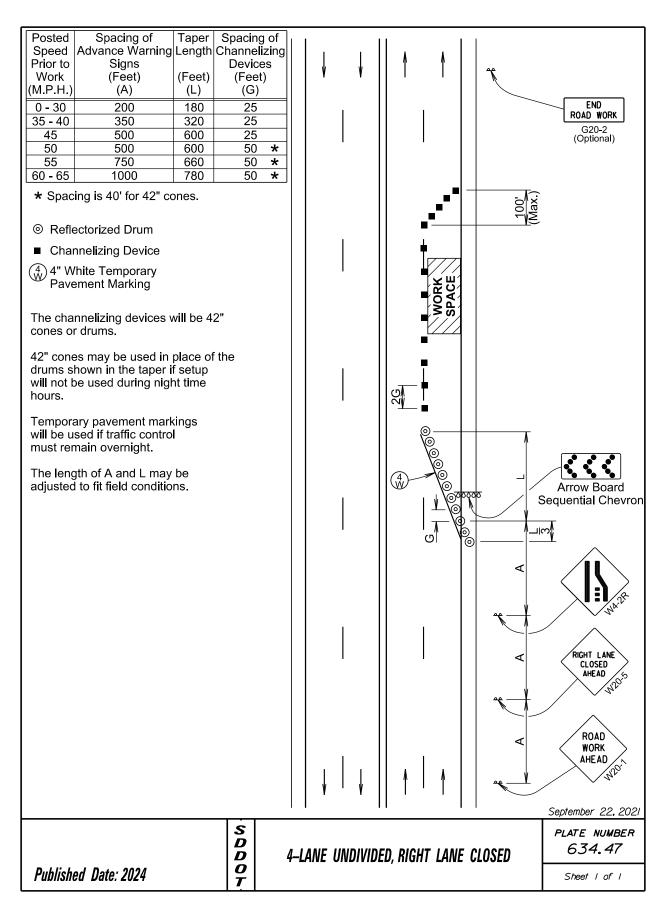
An activated flashing yellow light will be used on all vehicles and equipment.

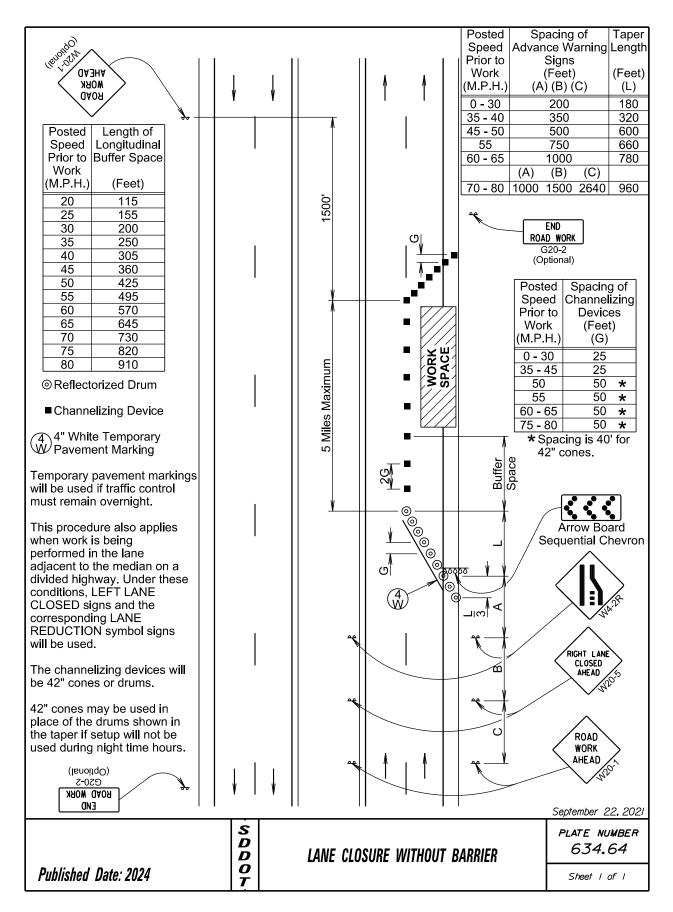
ROAD WORK AHEAD sign is required only when sight distance is restricted. (See Table)

Slow Moving Vehicle Emblem will be displayed on rear of Sweeper when speed is less than 25 M.P.H.









#### о о с <del>ч</del> Quantity Deck Joint (LF) Approach Quantity Joint (LF) 76 76 80 84 Approach Quantity 1715 2145 2790 1684(SF) Angle Skew 0 0 30 0 0 0 0 0 0 0 0 0 0 50 0 0 0 0 0 0 0 0 0 Deck 2220 3510 5138 7668 3460 4200 3510 3510 1620 3348 5868 3388 3855 1620 3180 3180 1620 1620 3510 6200 3165 3165 3287 Area (SF) Roadway Bridge Width (Ft) 30 36 30 36 30 30 30 30 30 36 36 36 30 30 30 30 30 30 4 40 30 38 30 Structure Length 142.72 105.5 128.5 105.5 94.11 86.5 86.5 106 117 213 140 117 117 163 106 117 155 (Ft) 74 54 93 54 54 54 25-270-136 1.0 N of Jct US 212 W & SD 45 N 1.8 N of Jct SD 20 W & SD 37 N z 2.5 S of Jct SD 10 W & SD 25 S S 46-170-055 4.5 N of Jct SD 10 E & SD 27 N 4.7 S of Marshall County Line S S 8.9 S of Marshall County Line 0.8 S of Jct SD 20 W & SD 45 2.3 S of Jct SD 10 W & SD 27 6.6 E of Jct SD 10 E & SD 45 2.9 W of Jct SD 10 & US 281 2.1 W of Jct SD 20 & US 281 1.4 E of Jct SD 10 E & SD 45 5.8 W of Jct SD 10 & US 281 2.8 E of Jct SD 20 E & SD 45 1.1 S of Brown County Line 2.1 E of Faulk County Line 3.3 E of Faulk County Line 4.3 E of Faulk County Line Location 37 2.3 S of Jct US 12 & SD 37 7.0 S of Jct SD 10 & SD 37 7.4 S of Jct US 12 & SD 0.3 E of Langford 2.9 N of Verdon 45-447-150 58-300-043 58-021-060 58-033-060 58-043-060 58-079-060 46-110-123 07-300-169 45-394-150 07-041-150 25-298-060 19-070-046 46-079-230 58-300-011 07-071-150 25-270-049 46-276-174 19-070-089 07-300-405 07-300-353 07-300-451 Structure Number 265.94 273.44 276.45 295.63 299.51 313.69 314.97 315.95 319.56 209.70 204.05 214.54 189.14 206.08 224.60 208.37 228.45 241.16 192.31 196.31 201.01 260.74 149.67 MRM Route SD 45 SD 10 SD 10 SD 10 SD 10 SD 20 SD 20 SD 20 SD 25 SD 20 SD 20 SD 20 SD 27 SD 27 SD 27 SD 27 SD 27 SD 37 SD 37 SD 37 SD 37 SD 37 SD 37

# **BRIDGE CLEANING** BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

Attachment 1

TABLE OF BRIDGES

Sheet 16 of 19

S
NY N
نْت
(J
ž
$\overline{\sim}$
2
В
LL
$\mathbf{O}$
<u> </u>
ш
Β
$\triangleleft$
Ē

чо с <del>т</del> – – о т												*						
Deck Joint Quantity (LF)			132						86			110	33					
Approach Joint Quantity (LF)		92		80	84		80	84	84		148			84	80	80	80	80
Approach Quantity (SF)		1879	3591	1633	2189		1633	2844	1715		4999	2155		1715	1633	2374	1633	2374
Skew Angle	40	0	45	0	15	40	0	15	0	0	30	0	0	0	0	35	0	35
Deck Area (SF)	11610	3234	10963	4883	9603	15597	4883	9603	33220	3660	10930	16545	8745	6020	5890	6553	5890	6553
Bridge Roadway Width (Ft)	40	44	44	38	40	36	38	40	40	30	72	52	30	40	38	38	38	38
Structure Length (Ft)	290.26	73.5	249.17	128.5	240.07	433.26	128.5	240.07	830.5	122	151.81	318.17	291.5	150.5	155	172.44	155	172.44
Location	0.5 E of Roscoe	6.7 E of Ipswich	at Mina	0.7 W of Jct US 12 & US 281	12.2 E of Jct US 12 & US 281	3.2 W of Jct US 12 & SD 37	0.7 W of Jct US 12 & US 281	12.2 E of Jct US 12 & US 281	3.2 W of Jct US 12 & SD 37	1.0 W of Faulkton	1.1 S of Jct US 12 & US 281	0.2 N of Jct US 12 & US 281	3.7 S of Jct SD 10 W & US 281	3.5 N of Jct SD 10 E & US 281	8.8 S of Jct US 12 & US 281	6.7 S of Jct US 12 & US 281	8.8 S of Jct US 12 & US 281	6.7 S of Jct US 12 & US 281
Structure Number	23-186-100	23-398-100	23-465-105	07-093-332	07-222-330	07-267-330	07-093-331	07-222-329	07-267-329	25-210-144	07-100-342	07-100-328	07-100-188	07-100-086	07-101-418	07-101-397	07-100-418	07-100-397
MRM	248.51	269.88	276.75	287.89	301.22	305.88	287.89	301.20	305.76	266.15	193.08	194.47	210.44	220.67	185.44	187.65	185.44	187.65
Route	US 12	US 12	US 12	US 12 E	US 12 E	US 12 E	US 12 W	ფ US 12 W	US 12 W	US 212	US 281	US 281	US 281	US 281	US 281 N	US 281 N	US 281 S	US 281 S

# BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

Attachment 1

RECORD OF BRIDGE CLEANING										
ROUTE	MRM	STR. NO.	Arrival Date and Time	Time Sweeping Started	Time Sweeping Ended	Departure Time				
			1							
	`				<u> </u>					
Contractor Sig	gnature				Date					

RECORD OF BRIDGE CLEANING											
ROUTE	MRM	STR. NO.	Arrival Date and Time	Time Sweeping Started	Time Sweeping Ended	Departure Time					
(Example entry)											
			4/6/18								
SD 28 123.57		12-224-558	3:35 PM	4:05 PM	4:30 PM	4:40 PM					
(Example entry when doing multiple bridges on divided highway)											
	Exit 140 to	6 bridges total	4/10/18								
SB	Exit 150		7:50am	8:20 AM	10:30 AM	10:45 AM					
_											
Contractor Signature Date											