

STATE OF SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED

PROJECT 085-471 US HIGHWAY 85 BUTTE COUNTY

PEDESTRIAN CROSSING

PCN i6CD



STORM WATER PERMIT (None Required)

DESIGN DESIGNATION

 AADT (2020)
 13,041

 AADT (2040)
 14,684

 DHV
 1932

 D
 50%

 DHV T%
 3.9%

 AADT T%
 8.6%

 V
 25 mph

STATE OF	PROJECT	SHEET	TOTAL SHEETS	
SOUTH DAKOTA	085-471	1	23	
Plotting Date:	05/04/2021			

INDEX OF SHEETS

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PROJECT 085-471 MRM 55.8

ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
110E0300	Remove Concrete Curb and/or Gutter	44	Ft
110E1100	Remove Concrete Pavement	22.0	SqYd
110E1140	Remove Concrete Sidewalk	48.0	SqYd
260E6010	Granular Material	4.5	Ton
380E2554	4" Barrier Type Median PCC Pavement	11.0	SqYd
380E6110	Insert Steel Bar in PCC Pavement	50	Each
451E6080	Adjust Water Valve Box	1	Each
530E0300	Type C Concrete Retaining Wall	33	SqFt
632E1340	2.5"x2.5" Perforated Tube Post	80.0	Ft
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	69.5	SqFt
633E0030	Cold Applied Plastic Pavement Marking, 24"	80	Ft
633E5015	Grooving for Cold Applied Plastic Pavement Marking, 24"	80	Ft
634E0110	Traffic Control Signs	185.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	6	Each
634E0310	Temporary Flexible Vertical Markers (Tabs)	720	Ft
634E0420	Type C Advance Warning Arrow Board	2	Each
634E2000	Longitudinal Pedestrian Barricade	52	Ft
650E0095	Type B69.5 Concrete Curb and Gutter	44	Ft
650E0395	Type BL69.5 Concrete Curb and Gutter	36	Ft
651E0040	4" Concrete Sidewalk	178	SqFt
651E7000	Type 1 Detectable Warnings	40	SqFt
900E1080	Orange Plastic Safety Fence	100	Ft

SPECIFICATIONS

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

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: https://dot.sd.gov/media/documents/EnvironmentalProceduresManual.pdf

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 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.

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

Action Taken/Required:

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:

Construction and/or demolition debris consisting of concrete, asphalt 1. 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.

6-1.13, and ARSD 74:27:10:06. 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.

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COMMITMENT H: WASTE DISPOSAL SITE

Construction and/or demolition debris may not be disposed of within the Public

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-

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

COMMITMENT I: HISTORIC 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 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.

UTILITIES

The Contractor will contact the involved utility companies through South Dakota One Call (1-800-781-7474) prior to starting work. It will be the responsibility of the Contractor to coordinate work with the utility owners to avoid damage to existing facilities.

If utilities are identified near the improvement area through the SD One Call Process as required by South Dakota Codified Law 49-7A and Administrative Rule Article 20:25, the Contractor will contact the Project Engineer to determine modifications that will be necessary to avoid utility impacts.

TEMPORARY EASEMENT MAINTENANCE AGREEMENT

The Project Engineer will ensure the Temporary Easement for permission to enter private property is obtained prior to any work south of the retaining wall. The Contractor will give the Project Engineer two weeks notice prior to beginning work to ensure permission is granted by the private property representative.

TABLE OF QUANTITIES

REMOVE					INSTALL							
		Concrete Curb and/or Gutter	Concrete Pavement	Concrete Sidewalk	Insert Steel Bar in PCC Pavement	Granular Material	Concrete Gutte	e Curb and r Type	4" Barrier Type Median PCC Pavement	Concrete Sidewalk	Detectable Warnings	Type C Concrete Retaining Wall
							B69.5	BL69.5		4"	Type 1	
Area	Station	Ft	SqYd	SqYd	Each	Ton	Ft	Ft	SqYd	SqFt	SqFt	SqFt
West Side of US85	48+03 to 48+25	22		24	9		22			24	10.0	
Median of US85 4	8+08.5 to 48+26.5		22		32	4.5		36	11		20.0	
East Side of US85	48+03 to 48+29	22		24	9		22			154	10.0	33
	Total:	44	22	48	50	4.5	44	36	11	178	40	33

REMOVAL OF EXISTING CONCRETE PAVEMENT STA. 48+08.50 to STA. 48+26.50

The existing 9.5-inch PCC pavement will be removed for placement of the midblock pedestrian street crossing. The joints of the existing PCC pavement are spaced at 15'. The Contractor will dispose of the concrete pavement at a site approved by the Engineer.

ADJUST WATER VALVE BOXES

The water valve box will be adjusted to meet the final grade elevation.

Payment for adjustment of the water valve box will be at the contract unit price per each for "Adjust Water Valve Box" and will include labor, excavation, materials, and all other incidentals necessary to adjust the water valve box to the finished grade elevation.

TABLE FOR ADJUST WATER VALVE BOX



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TYPE 1 DETECTABLE WARNINGS

Detectable warnings will be in compliance with the Americans with Disabilities Act regulations.

The detectable warnings will be installed according to the manufacturer's installation instructions.

A concrete thickness equal to the adjacent concrete sidewalk thickness and 2 inches of granular cushion material will be placed below the Type 1 Detectable Warnings. When concrete is placed below the detectable warnings then the concrete thickness will be transitioned at the rate of 1" per foot to match the adjacent concrete sidewalk thickness.

The detectable warnings will be a brick red color for application in concrete curb ramps. Cast iron plates may be a natural patina (weathered steel).

Type 1 Detectable Warning Panels will be one of the following products:

Type 1 Detectable Warnings

Product	Manufacturer
Detectable Warning Plate Cast Iron Plate	Neenah Foundry Company Neenah, WI 800-558-5075 <u>http://www.neenahfoundry.com/</u>
Detectable Warning Plate Cast Iron Plate	Deeter Foundry Lincoln, NE 800-234-7466 <u>http://www.deeter.com/</u>
Detectable Warning Plate Cast Iron Plate(No Coating)	East Jordan Iron Works, Inc. 301 Spring Street East Jordan, MI 49727 800-626-4653 <u>http://www.ejiw.com</u>
Iron Dome Cast Iron Detectable Warning Tile	ADA Solutions, Inc. 323 Andover Street Suite 3 Wilmington, MA 01887 800-372-0519 https://adatile.com
TufTile (wet-set) Cast Iron Replaceable Tile	TufTile 1200 Flex Court Lake Zurich, IL 60047 888-960-8897 http://www.tuftile.com/

SEQUENCE OF OPERATIONS

If changes to the sequence of operations are proposed during the project, these must be submitted for review a minimum of one week prior to potential implementation. Approval for changes to the sequence of operations will only be allowed when the proposed changes meet with the Department's intent for traffic control and sequencing of the work.

Approval of an alternate sequence of operations will only be allowed when the proposed changes meet with the Department's intent for traffic control and sequencing of the work. An alternate sequence will be submitted for review a minimum of one week prior to potential implementation.

Set up Traffic Control with the following requirements/restrictions:

- 1. Set up Traffic Control for construction of curb ramps on the east and west sides of US85 using Standard Plate 634.60 and the Pedestrian Traffic Control Lavout.
- 2. Remove Traffic Control and Pedestrian Traffic Control for curb ramp construction on the west and east sides of US85. Set up Traffic Control for median work using Standard Plate 634.57.
- 3. Remove all Traffic Control items.

GENERAL TRAFFIC CONTROL

Existing guide, route, informational logo, regulatory, and warning signs will be temporarily reset and maintained during construction. Removing, relocating, covering, salvaging, and resetting of existing traffic control devices, including delineation, will be the responsibility of the Contractor. Cost for this work will be incidental to the contract unit prices for the various items unless otherwise specified in the plans. Any delineators and signs damaged or lost will be replaced by the Contractor at no cost to the State.

All temporary traffic control sign locations will be set in the field by the Contractor and verified by the Engineer prior to installation.

Portable sign supports will not be located on sidewalks, bicycle facilities, or other areas designated for pedestrian or bicycle traffic.

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

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.

Unless otherwise stated in these plans, work will not be allowed during hours of darkness.

Temporary Flexible Vertical Markers (Tabs) will be used for lane closure tapers or lane shift tapers and will be installed at 5' spacing as detailed on the Standard Plates. All costs associated to furnish, install, maintain (including replacement as required by the Engineer at no added cost to the Department). and remove all markers will be incidental to the contract bid item for Temporary Flexible Vertical Markers (Tabs).

All fixed location signs, sign posts, and breakaway bases will be removed within 7 calendar days following pavement marking.

The Contractor will notify businesses/homeowners a minimum of two weeks prior to construction to inform them of upcoming construction and again a minimum of 48 hours prior to any blocked access to make appropriate arrangements.

PEDESTRIAN CHANNELIZING DEVICE DETAILS



- above the walkway.
- hand trailing.

PEDESTRIAN TRAFFIC DURING CONSTRUCTION

The project area will be closed to pedestrian traffic during construction. The Contractor will protect all work areas from pedestrian usage during construction for the safety of pedestrians with the appropriate signage and longitudinal pedestrian barricades. Payment for signage and barricades will be paid according to each respective contract item. Payment for all other work and associated materials will be incidental to the contract lump sum price for "Traffic Control, Miscellaneous."

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Longitudinal Pedestrian Barrier Longitudinal Pedestrian Barricade

Barricade rail supports may not extend into the pedestrian walkway more than 4 inches from the face of the barricade.

2. The top edge of the bottom portion will be a minimum of 8 inches

3. Devices will not block water drainage from the walkway. A gap height or opening from the walkway surface up to a maximum of 2 inches in height is allowed for drainage purposes.

4. The top edge of the longitudinal pedestrian barricade is to be used as a guiderail to provide visual and tactile guidance to pedestrians along a designated route. The top surface should have a minimum width of 0.5 inches to allow the hand to feel the surface. The surface should be smooth and free of any sharp or abrasive elements to allow safe

5. Longitudinal pedestrian barrier used to provide positive protection from traffic to pedestrians should be crashworthy.

ORANGE PLASTIC SAFETY FENCE

The Contractor will install orange plastic safety fence, as directed by the Engineer, to prevent accidental or unauthorized entry into project areas.

The Contractor will maintain and make repairs to the fence until it is removed or as directed by the Engineer.

Orange Plastic Safety Fence will not be used as a substitute for Pedestrian Barricades.

All costs associated with furnishing, installing, maintaining, repairing, removing, and replacing the safety fence will be paid for at the contract unit price per foot for "Orange Plastic Safety Fence".

LONGITUDINAL PEDESTRIAN BARRICADE

Longitudinal pedestrian barricades should not be used to provide positive protection for pedestrians.

To prevent any tripping hazard to pedestrians, ballast will be located behind or internal to the device.

When longitudinal pedestrian barricades are combined in a series, the maximum gap between devices that do not interlock will be one inch. Joints between devices that do interlock will be closed and flush to prevent canes or small wheels from being trapped and to facilitate safe hand trailing. When used as a sidewalk closure mechanism, longitudinal pedestrian barricade must run the entire width of the sidewalk. Longitudinal pedestrian barricade should provide a color contrasting pattern. Black should not be used to color any base on a device. The devices should comply with the general color and stripe pattern requirements of Section 6F.68 of the MUTCD.

Longitudinal pedestrian barricade will have continuous bottom and top surfaces. The top surface will be smooth to allow safe hand trailing. Both upper and lower surfaces will share a common vertical plane.

All costs will be incidental to the contract unit price per foot for "Longitudinal Pedestrian Barricade".

PRESS RELEASE ANNOUNCEMENTS

The SDDOT will prepare a press release to be released 5 days prior to any phase change or any other major change that affects traffic flow. The SDDOT will be responsible to keep law enforcement, emergency services, and the traveling public notified of changes in project access. The Contractor will provide the Engineer with pertinent information 7 days prior to any phase change or any other major change that affects traffic flow.

TRAFFIC CONTROL SIGNS

Traffic control signs have been included in a table for the site.

ITEMIZED LIST FOR TRAFFIC CONTROL SIGNS

			CONVENTIONAL ROAD		
SIGN CODE	SIGN DESCRIPTION	NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R9-9	SIDEWALK CLOSED	4	24" x 12"	2.0	8.0
R9-11a	SIDEWALK CLOSED (ARROW L or R) CROSS HERE	4	24" x 12"	2.0	8.0
W4-2	LEFT or RIGHT LANE ENDS (symbol)	4	48" x 48"	16.0	64.0
W20-1	ROAD WORK AHEAD	2	48" x 48"	16.0	32.0
W20-5	LEFT or RIGHT LANE CLOSED AHEAD	4	48" x 48"	16.0	64.0
G20-2	END ROAD WORK	2	36" x 18"	4.5	9.0
	•	CONVENTIONAL ROAD TRAFFIC CONTROL SIGNS SQFT		185.0	

COLD APPLIED PLASTIC PAVEMENT MARKING

All materials will be applied as per the manufacturer's recommendations.

Cold Applied Plastic Pavement Markings will be 3M Series 380 AW or an approved equal.

GROOVING FOR COLD APPLIED PLASTIC PAVEMENT MARKING

The Contractor will establish a positive means for the removal of the grinding and/or grooving residue. Residue from dry grooving will be vacuumed. Solid residue will be removed from the pavement surfaces before being blown by traffic action or wind. The Contractor will conduct this work to control and minimize airborne dust and similar debris that may become a hazard to motor vehicle operation or nuisance to property owners. Residue from wet grooving will not be permitted to flow across lanes being used by public traffic or into gutter or drainage facilities. Residue, whether in solid or slurry form, will be disposed of in a manner that will prevent it from reaching any waterway in a concentrated state. The cleaning of the residue for grooving will be to the satisfaction of the Engineer and may require more than one pass to adequately remove material. All costs for removal of grinding and/or grooving residue will be included in the contract unit price per foot for "Grooving for Cold Applied Plastic Pavement Marking" contract item.

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GENERAL PERMANENT SIGNING

New sign installations will be staked in the field by the Contractor and checked by the Engineer. The Contractor will give the Engineer a minimum of one week to check staked locations prior to signpost installation. Lateral offset of signs will be as shown in the plans or as directed by the Engineer.

The Contractor will be responsible for contacting South Dakota One Call to locate the utilities at the staked sign installation locations.

When signs are mounted in an assembly, they will be 1-2 inches apart vertically and horizontally.

The height of the post must not exceed the minimum height needed by more than 0.5 feet. Any portion that extends above the sign will be cut off. No separate payment will be made for cutting the post or for that length cut off.

Aluminum U-Channel stiffeners will be used on all signs 36 inches or greater in width and will conform to ASTM B221 Alloy 6063-T6 or 6061-T6. The U-Channel will be 2 inches in width and free of holes. The U-Channel stiffeners will also be used to connect various signs together so that an entire sign assembly can be erected on a single installation. Stiffeners may be fastened to signs by use of 1/4-inch diameter drive rivets.

The Contractor will use 3/8-inch diameter rust proof machine sign bolts, flat metal washers, neoprene washers (against the sign sheeting), lock washers, and nuts to fasten the sign to the channel aluminum and posts. A minimum of two bolts will extend through each post.

Prior to ordering signs, the Contractor will verify dimensions, background, border, and legend of the signs.

Prior to use, the Contractor will provide documentation for the sign support devices showing they meet the applicable NCHRP 350 or MASH requirements.

NEW PERMANENT SIGNING

All signs will be manufactured in accordance with the sheeting manufacturer's recommendations utilizing a matched component system, including inks. electronic cuttable films, and protective overlay films.

All Flat Aluminum Signs, Nonremovable Copy High Intensity will have sheeting in conformance with the requirements of ASTM D4956 Type IV. All Flat Aluminum Signs, Nonremovable Copy Super/Very High Intensity will have sheeting in conformance with the requirements of ASTM D4956 Type XI.

All costs associated with furnishing and installing the new permanent signs, and with furnishing and installing stiffeners and hardware will be incidental to the contract unit price per square foot for "Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity".

DIGITALLY PRINTED SIGNS

Digitally printed signs will be allowed on this project. If the Contractor elects to provide digitally printed signs, such signs will adhere to the following specifications.

PROTECTIVE OVERLAY FILM

Permanent traffic signs printed with digital ink systems will be fabricated with a full sign protective overlay film designed to provide a smooth surface needed for retroreflectivity, and to protect the sign from fading and UV degradation. The overlaminate will comply with the retroreflective sheeting manufacturer's recommendations to ensure proper adhesion and transparency and will also meet the reflective film durability as identified in Table 1.

Table 1: Retroreflective Film Minimum Durability Requirements

ASTM D4956	Full Sign	Sheeting
Туре	Replacement Term	Replacement Term
	(years)	(years)
1	0	7
Ш	7	10
IV	7	10
VIII	7	10
IX	7	12
XI	7	12

FABRICATION

Retroreflective sheeting will be applied to a properly cleaned and prepared aluminum sign blank in accordance with the retroreflective sheeting manufacturer's recommendations. Sign legend will be applied using digital print technologies and systems in accordance with the retroreflective sheeting manufacturer's recommendations and the requirements of these plans.

Finished signs will be free of ragged edges and must be supplied clean and free of scratches, grease, oil, lubricants or other contaminants. Minor blemishes (dirt speck, dust, etc.) may settle on the fresh ink surface or become entrapped between the sheeting surface and transparent overlay film due to static charge within the sign shop environment. Any blemish must be minor and not interfere with the communication of the sign message to the motorist. The blemish must not be visible to the naked eye when viewed from 30 feet or greater.

After application of the retroreflective sheeting, sign blanks will be stacked and packaged face to face, back to back, and protected in accordance with the sheeting manufacturer's recommendations. Finished signs will be securely packaged to prevent damage during transit or storage according to the sheeting manufacturer's recommendations.

TRAFFIC SIGN PERFORMANCE WARRANTY PROVISIONS

Based on the ASTM Type of sheeting specified, traffic control signs will be warranted for the duration shown in Table 1. Full product terms and conditions are as established by each sheeting manufacturer and may contain certain limitations based on sheeting and ink colors, and geographic exposure of the sign. A copy of the warranty document with complete details of terms and conditions will be supplied if requested by the Engineer.

CERTIFIED DIGITAL SIGN FABRICATOR

Sign fabricators using digital imaging methods to produce regulated traffic signs must be certified by the reflective sheeting manufacturer whose materials are used to produce the delivered signs.

components:

1.

2.

sign.

•

•

Border date

locations indicated below.





SQUARE TUBE POST SLEEVE

All 2.5" x 2.5", 10 Gauge perforated tube post will be sleeved with a 2-3/16" x 2-3/16" x 4', 10 Gauge perforated tube post.

SIGNPOST INSTALLATION IN CONCRETE

must not be cracked or damaged.

installation.

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DATE TAGGING SIGNS WITH PERTINENT INFORMATION

All digitally printed signs are required to be date-tagged with the following 2

Date tags on the back of signs

Tags will have the following information and be fabricated with material and printing system that are as durable as the warranted

- Name of Sign Fabricator
 - Date the sign was fabricated (month and year)
 - Process that was used for sign fabrication (digitally printed)
- Supplier of sheeting that was used for fabricating the sign.
- The month and year (mm/yyyy) of sign fabrication will be printed in the border of the sign in 3/8" sans serif font. Border date will be printed with the same warranted printed system as the sign face. The date should be printed in the

On concrete surfaces, a core will be drilled out. The core diameter will be sized accordingly depending on post size. Concrete surrounding the core

All costs associated with installation in concrete will be incidental to the sign

TABLE OF SIGNING QUANTITIES

		SIGN									POST						
EXISTING STA. (Approx.)	NEW STA. (Approx.)	Number	Width (in)	Height (in)	Facing Traffic	New Sign	Remove Existing	Square Footage	Sheeting Type	New Post	Length (ft)	Size (in)	# of Posts	Shear Slip Base	SIGN DESCRIPTION	WORK TO BE DONE	
-	46+18 RT	W11-2	36	36	NORTHBOUND	FLAT ALUM	-	9.0	XI	YES	16	2.5	1	NO	PEDESTRIAN (SYMBOL)	INSTALL NEW SIGN ON NEW POST	
-	46+18 RT	W16-9P	30	18	NORTHBOUND	FLAT ALUM	-	3.8	XI	NO	-	-	-	-	AHEAD (PLAQUE)	INSTALL NEW SIGN ON NEW POST	
-	48+03 RT	W11-2	36	36	NORTHBOUND	FLAT ALUM	-	9.0	XI	YES	16	2.5	1	NO	PEDESTRIAN (SYMBOL)	INSTALL NEW SIGN ON NEW POST	
-	48+03 RT	W16-7P	24	12	NORTHBOUND	FLAT ALUM	-	2.0	XI	NO	-	-	-	-	DOWNWARD DIAGONAL ARROW (PLAQUE)	INSTALL NEW SIGN ON NEW POST	
-	48+08 RT	W11-2	36	36	NORTHBOUND	FLAT ALUM	-	9.0	XI	YES	16	2.5	1	NO	PEDESTRIAN (SYMBOL)	INSTALL NEW SIGN ON NEW POST	
-	48+08 RT	W16-7P	24	12	NORTHBOUND	FLAT ALUM	-	2.0	XI	NO	-	-	-	-	DOWNWARD DIAGONAL ARROW (PLAQUE)	INSTALL NEW SIGN ON NEW POST	
-	48+08 RT	W11-2	36	36	SOUTHBOUND	FLAT ALUM	-	9.0	XI	NO	-	-	-	-	PEDESTRIAN (SYMBOL)	INSTALL NEW SIGN ON NEW POST	
-	48+08 RT	W16-7P	24	12	SOUTHBOUND	FLAT ALUM	-	2.0	XI	NO	-	-	-	-	DOWNWARD DIAGONAL ARROW (PLAQUE)	INSTALL NEW SIGN ON NEW POST	
-	48+25 LT	W11-2	36	36	SOUTHBOUND	FLAT ALUM	-	9.0	XI	YES	16	2.5	1	NO	PEDESTRIAN (SYMBOL)	INSTALL NEW SIGN ON NEW POST	
-	48+25 LT	W16-7P	24	12	SOUTHBOUND	FLAT ALUM	-	2.0	XI	NO	-	-	-	-	DOWNWARD DIAGONAL ARROW (PLAQUE)	INSTALL NEW SIGN ON NEW POST	
-	50+10 LT	W11-2	36	36	SOUTHBOUND	FLAT ALUM	-	9.0	XI	YES	16	2.5	1	NO	PEDESTRIAN (SYMBOL)	INSTALL NEW SIGN ON NEW POST	
-	50+10 LT	W16-9P	30	18	SOUTHBOUND	FLAT ALUM	-	3.8	XI	NO	-	-	-	-	AHEAD (PLAQUE)	INSTALL NEW SIGN ON NEW POST	
	TOTALS									S							
Super/Very High Intensity Sheeting							69.5	SF									
2.5"x2.5" Perforated Tube Post 8								forated	80.0	Ft							

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Anchor Antenna Approach Assumed Corner Azimuth Marker **BBQ Grill/ Fireplace** Bearing Tree Bench Mark Box Culvert Bridge Brush/Hedge Buildings Bulk Tank Cattle Guard Cemetery Centerline Cistern Clothes Line Concrete Symbol Control Point Creek Edge Curb/Gutter Curb Dam Grade/Dike/Levee Deck Edge Ditch Block Doorway Threshold Drainage Profile Drop Inlet Edge Of Asphalt Edge Of Concrete Edge Of Gravel Edge Of Other Edge Of Shoulder Electric Transformer/Power Junction Box Fence Barbwire Fence Chainlink Fence Electric Fence Miscellaneous Fence Rock Fence Snow Fence Wood Fence Woven Fire Hydrant Flag Pole Flower Bed Gas Valve Or Meter Gas Pump Island Grain Bin Guardrail Gutter Guy Pole Haystack Highway ROW Marker Interstate Close Gate Iron Pin Irrigation Ditch Lake Edge Lawn Sprinkler

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Mailbox Manhole Electric Manhole Gas Manhole Miscellaneous Manhole Sanitary Sewer Manhole Storm Sewer Manhole Telephone Manhole Water Merry-Go-Round Microwave Radio Tower Miscellaneous Line Miscellaneous Property Corner Miscellaneous Post Overhang Or Encroachment Overhead Utility Line Parking Meter Pedestrian Push Button Pole Pipe With End Section Pipe With Headwall Pipe Without End Section Playground Slide Playground Swing Power And Light Pole Power And Telephone Pole Power Meter Power Pole Power Pole And Transformer Power Tower Structure Propane Tank Property Pipe Property Pipe With Cap Property Stone Public Telephone Railroad Crossing Signal Railroad Milepost Marker Railroad Profile Railroad ROW Marker Railroad Signs Railroad Switch Railroad Track Railroad Trestle Rebar Rebar With Cap Reference Mark Retaining Wall Riprap α River Edge Rock And Wire Baskets Rockpiles Satellite Dish Septic Tank Shrub Tree Sidewalk Sign Face Sign Post Slough Or Marsh Spring Stream Gauge Street Marker

Subsurface Utility Exploration Test Hole	•
Telephone Fiber Optics	— T/F —
Telephone Junction Box	Ō
Telephone Pole	Ø
Television Cable Jct Box	0
Television Tower	夲
Test Wells/Bore Holes	۵
Traffic Sign Double Face	l l
Traffic Sign One Post	þ
Traffic Sign Two Post	Þ
Traffic Signal	\$
Trash Barrel	0
Tree Belt	\sim
Tree Coniferous	*
Tree Deciduous	0
Tree Stumps	٨
Triangulation Station	۸
Underground Electric Line	— P —
Underground Gas Line	— G —
Underground High Pressure Gas Line	— HG —
Underground Sanitary Sewer	— s —
Underground Storm Sewer	= s =
Underground Tank	
Underground Telephone Line	— т —
Underground Television Cable	— TV —
Underground Water Line	— W —
Water Fountain	l
Water Hydrant	O
Water Meter	
Water Tower	۸
Water Valve	0
Water Well	\odot
Weir Rock	
Windmill	8
Wingwall	
Witness Corner	((()

	STATE OF	PROJEC	Т	SHEET	TOTAL SHEETS
	SOUTH DAKOTA	085-47	'1	8	23
	Plotting Date:	05/04/2021			
State and Natio County Line Section Line Quarter Line Sixteenth Line Property Line Construction L ROW Line New ROW Lin Cut and Fill Lin Control of Acce New Control of Proposed ROV (After Property	ine e nits ess Access V Disposal)			•	
Drainage Arrov	V				
Remove Conce Remove Conce Remove Aspha Remove Conce Remove Conce	rete Paver rete Drivev alt Concret rete Sidew rete Media rete Curb a	nent vay Pavement e Pavement alk n Pavement and/or Gutter			
Detectable Wa Pedestrian Pu and 30" x 48" with 1.5% slop	arning sh Button Clear Spac e	Pole ce			

48+13 - 37' R Adjust Water Valve Box

Sec 10 - T8N - R2E



47+92 - 42' R Do Not Disturb Fire Hydrant 48+00-44' R to 48+30-44' R Do Not Disturb Existing Retaining Wall

Parcel A1 47+93 to 48+35 L Temporary easement containing 405 sq ft, more or less

	STATE OF	PROJECT	SHEET	TOTAL
	SOUTH DAKOTA	085-471	٩	23
		05/04/0004		20
	Plotting Date:	05/04/2021		
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PAVEMENT REMOVAL LAYOUT





STATE OF	PROJECT	SHEET	TOTAL SHEETS
DAKOTA	085-471	10	23
Plotting Date:	05/04/2021		

Remove Concrete Pavement Remove Asphalt Concrete Pavement Remove Concrete Sidewalk

Remove Concrete Curb and/or Gutter





STATE OF	PROJECT	SHEET	TOTAL SHEETS
DAKOTA	085-471	11	23

05/04/2021

Plotting Date:



12 48+17.50-2.02' R Center of Detectable Warning & Type 3 Curb Ramp

13 48+19.99-3.54' R End Str Type BL69.5 C&G Begin 1.5' Rad Type BL69.5 C&G TC Elev 3036.46

14 48+21.50-0.04' R End 1.5' Rad Type BL69.5 C&G Begin Str Type BL69.5 C&G TC Elev 3036.48

15 48+23.50-0.04' R End Str Type BL69.5 C&G Begin Str Type BL69.5 C&G Taper TC Elev 3036.41

16 48+26.50-0.04' R End Str Type BL69.5 C&G Taper TC Elev 3036.31 (Theor)

- A 48+03.00-40.40' R Begin Type C Retaining Wall TW Elev 3037.50± (Match Existing) TSW Elev 3036.50 ± (Match Existing)
- B 48+08.00-41.50' R TW Elev 3037.60 TSW Elev 3036.18
- C 48+25.00-41.50' R TW Elev 3036.97 TSW Elev 3035.77
- D 48+29.00-40.37' R End Type C Retaining Wall TW Elev 3036.65± (Match Existing) TSW Elev 3035.60 ± (Match Existing)

29 48+17.50-35.38' R Center of Detectable Warning & Type 3 Curb Ramp

30 48+20.00-37.87' R Begin Ramp Slope Elev 3035.40

31 48+25.00-32.73' R End Str C&G TC Elev 3035.60± (Match Existing)

32 48+25.00-37.88' R End Ramp Slope Elev 3035.66± (Match Existing)



STATE OF	PROJECT	SHEET	TOTAL SHEETS	
DAKOTA	085-471	12	23	
Plotting Date:	05/04/2021			

F QUANTITIES		
	EST QUANT	UNIT
KING, 24"	80	FT
RKING, 24"	80	FT

49+08



					SOUTH				
					DAKOTA		085-471	13	23
					Plotting Date:	05/04	4/2021		
	LONGITUDI	NAL C	ONSTRU((Individua	CTION JOIN	IT WITH TIE	BARS			
	Concrete	Curb and	d Gutter	- PCC	Pavement	>>			
	Sawed Joi with Hot P Elastic Joi	int filled- oured int Seale	-	³ %" ₩	T=Pavem	ent Thic	kness		
	In Place Gutter or Curb and Gutter	- 		P Metal R	New PCC Pavel		T12 1 T12		
GENERAL NO	DTES:	<	15" >	No. €	Epoxy Coated [Deformed	Tie Bar		
No. 5 epoxy co female keyway	bated deformed tie ba	ars will be	e spaced 48	inches center t	o center. The ke	yway sho	own above is a		
The tie bars wi	ill be placed a minimu	um of 15	inches from	existing transv	erse contraction	joints.			
The keyway is recess strip wi	optional and is not re I be used. When cor	equired. hcrete pa	When concr avement is sl	ete pavement i ip formed, a me	s formed and a k etal recess strip i	eyway is s not req	s provided, a meta uired.	al	
The transverse PCC pavemen	e contraction joints in t transverse contracti	the cond ion joint.	crete gutter o The transve	r concrete curt erse contractior	and gutter will b joints in the cor	oe placed hcrete gu	l at each mainline tter or the concre	e te	
curb and guile	r will be $1\frac{1}{2}$ inches de	eep if for	med in fresh	concrete using	a suitable groov	ing tool.	If a saw is used		
to cut the trans gutter or concr	r will be 1½ inches de sverse contraction joir ete curb and gutter.	eep if for nts, then	med in fresh the depth of	concrete using the joint will be	a suitable groov at least ¼ the th	ving tool. hickness	If a saw is used of the concrete		
to cut the trans gutter or concr The term "In P	r will be 1½ inches de sverse contraction join ete curb and gutter. lace Gutter or Curb a	eep if for nts, then and Gutte	med in fresh the depth of er" in the abo	concrete using the joint will be we drawing ind	a suitable groov a at least ¼ the the the in	ving tool. hickness place co	If a saw is used of the concrete oncrete gutter and	1	
to cut the trans gutter or concr The term "In P concrete curb	r will be 1½ inches de sverse contraction joir rete curb and gutter. lace Gutter or Curb a and gutter was placed	eep if form nts, then and Gutte d on the POU	med in fresh the depth of er" in the abo current proje	concrete using the joint will be we drawing ind act.	a suitable groov at least ¼ the the in icates that the in	ving tool. hickness place co	If a saw is used of the concrete oncrete gutter and	1	
to cut the trans gutter or concr The term "In P concrete curb	r will be 1½ inches de sverse contraction joir ete curb and gutter. lace Gutter or Curb a and gutter was placed	eep if form nts, then and Gutte d on the POU Concrete	med in fresh the depth of er" in the abo current proje RED MOI rete Gutter o	concrete using the joint will be we drawing ind ect. NOLITHICA	a suitable groov at least ¼ the the icates that the in LLY	ving tool. hickness place co	If a saw is used of the concrete oncrete gutter and	1	
to cut the trans gutter or concr The term "In P concrete curb	r will be 1½ inches desverse contraction joir ete curb and gutter. lace Gutter or Curb a and gutter was placed	eep if forn nts, then and Gutte d on the POU Concrete	med in fresh the depth of er" in the abo current proje RED MOI rete Gutter o Curb and G	concrete using the joint will be we drawing ind act. NOLITHICA r utter	a suitable groov at least ¼ the the icates that the in LLY PCC Pavem	ving tool. hickness place co hent	If a saw is used of the concrete oncrete gutter and	1	
to cut the trans gutter or concr The term "In P concrete curb	r will be 1½ inches de sverse contraction joir ete curb and gutter. lace Gutter or Curb a and gutter was placed	eep if for nts, then and Gutte d on the POU Concrete	med in fresh the depth of er" in the abo current proje RED MOI rete Gutter o Curb and G	concrete using the joint will be we drawing ind ect. NOLITHICA r utter	a suitable groov at least ¼ the the icates that the in LLY PCC Pavem	ving tool. hickness place co hent Γ=Pavem	If a saw is used of the concrete oncrete gutter and nent Thickness	1	
to cut the trans gutter or concr The term "In P concrete curb	r will be 1½ inches de sverse contraction joir ete curb and gutter. lace Gutter or Curb a and gutter was placed	eep if forn nts, then and Gutte d on the POU Concrete	med in fresh the depth of er" in the abo current proje RED MOI rete Gutter o Curb and Go	concrete using the joint will be we drawing ind ect. NOLITHICA r utter ew PCC Paver	a suitable groov e at least ¼ the the icates that the in LLY PCC Pavem	ring tool. hickness place co hent T=Pavem	If a saw is used of the concrete oncrete gutter and nent Thickness	1	
to cut the trans gutter or concr The term "In P concrete curb	r will be 1½ inches de sverse contraction joir ete curb and gutter. lace Gutter or Curb a and gutter was placed	eep if forn nts, then and Gutte d on the POU Concrete	med in fresh the depth of er" in the abo current proje RED MOI rete Gutter o Curb and Gutter o Curb and Gutter o	concrete using the joint will be we drawing ind ect. NOLITHICA	a suitable groov e at least ¼ the the icates that the in LLY PCC Pavem	ving tool. hickness place co hent T=Pavem	If a saw is used of the concrete oncrete gutter and nent Thickness	1	
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GENERAL NO The mainline c is less than or g	r will be 1½ inches desverse contraction joir ete curb and gutter. lace Gutter or Curb a and gutter was placed	eep if forn nts, then and Gutted d on the POU Concrete	med in fresh the depth of er" in the abo current proje RED MOI rete Gutter o Curb and G	concrete using the joint will be we drawing ind ect. NOLITHICA rutter ew PCC Paver by CC	a suitable groov e at least ¼ the the icates that the in LLY PCC Pavement pent v v v v v v v v v v v v v v v v v v v	ring tool. hickness place co hent Γ=Pavem	If a saw is used of the concrete encrete gutter and nent Thickness		
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N6cd StandardPlates.dg

Plotted From - trrc11626

STATE OF SOUTH	PROJECT	SHEET	TOTAL SHEETS
DAKOTA Plotting Date: 05/04	/2021	16	23
	1		
Polyethylene Sheeting (Full Wall Height) 2'-6" b1 b1 b1 Contraction Joint for Wall)	Back Face		
t to pavement or curb and gutter as s	shown in		
will not be wider than 8 feet or narrow	ver than 5 feet.		
ed, a 2-inch thickness of cushion mat n to Section 651.2 C of the Specificat	erial will be ions.		
of the Specifications.			
to ASTM A615, Grade 60. The smo Il conform to ASTM A775.	oth bar may		
rallel to the top of the wall.			
g wall edges.			
ne retaining wall.			-
the maximum contraction joint spac to match pavement or curb joints who	ing will be 30 ere possible.		
n accordance with 460.3 L of the Spe ised as a sidewalk, will receive a bro	ecifications. om finish.		
e nearest square foot of front face ar easurement.	ea of the wall.		
d cushion material, labor, equipment ooth bars, and all concrete except in to the contract unit price per square	, preformed the areas of foot for		
nds into the approach and/or drivewa he corresponding "PCC Approach Pa	y pavement will wement"		
	December 23, 2019		
CONCRETE RETAINING WALL	PLATE NUMBER 530.01		
	Sheet 3 of 3		

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						STATE OF		PROJECT	SHEET	TOTAL SHEETS	
						DAKOTA		085-471	20	23	
					-	Plotting Date:	05/04	/2021			1
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	3" R. ✓ △ 2% S	24" 22 5% SI D C Slope 2"	ope			Th an thi the linu an -1/4" to	e stated ra d cross se s line and b basis for ear foot m d paymen ½" Radius	adii on the plans ections refer to it will also be horizontal easurement t. s (Typ.)			
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	TYPE B Type B66 B67 B68 B68.5 B69 B69.5 B610 B610.5 B611 B611.5 B612	CONCRE T1 (Inches) 6 7 8 8.5 9 9.5 10 10.5 11 11.5 12	$\begin{array}{c} \text{TE CURE} \\ \text{T}_2 \\ (\text{Inches}) \\ 5 \frac{1}{16} \\ 6 \frac{1}{16} \\ 7 \frac{1}{16} \\ 8 \frac{1}{16} \\ 8 \frac{1}{16} \\ 9 \frac{1}{16} \\ 9 \frac{1}{16} \\ 10 \frac{1}{16} \\ 10 \frac{1}{16} \\ 11 \frac{1}{16} \\ \end{array}$	AND G Cu. Yd. Per Lin. Ft. 0.057 0.065 0.073 0.077 0.081 0.090 0.094 0.102 0.106	UTTE Lin. F Per 17.7 15.4 13.7 13.0 12.3 11.7 11.2 10.7 10.2 9.8 9.4	R - t. - t. 					File\6cd_StandardPlates.dgn
::											
h ai	nd autter	Ionaitudin	ally adjoir	ns new c	oncre	te navem	ent the m	ethod			
e b	y one of	the metho	ds shown	on stand	dard p	plate 380.	11.	culou			
65	0 00 for (vnancion	and contr	action io	inte in	the curb	and gutte	r.			
000	0.30 101 0	shansion	and conti	action jo			and guile				
								December 23, 2019			
	S D D O	TYPI	E B CONC	RETE CL	JRB A	AND GUTT	TER	PLATE NUMBER 650.01			
	T							5.55 7 07 7			
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					S.	TATE OF		PROJECT	SHEET	TOTAL
						SOUTH DAKOTA		085-471	20	23
					Plot	tting Date:	05/04/2	021		
$ \begin{array}{c c} 6^{\circ} & 2^{\circ} \\ \hline 6^{\circ} & 2^{\circ} \\ \hline 3^{\circ} R & 7 \\ \hline 3^{\circ} R & 7 \\ \hline 0 & 7 \\ \hline F & 7 \\ \hline F & 7 \\ \hline 7 & 7 \\ $	3" R. △ 2% S	24" 22 5% Sli 2% Sli 20 20 20 20 20 20 20 20 20 20 20 20 20	" ⊃pe △ △			− Th and this the line and −¼" to	te stated rad d cross sed s line and it e basis for h ear foot me d payment. ½" Radius	dii on the plans tions refer to will also be norizontal asurement (Typ.)		
	32 TYPE B Type B66 B67 B68 B68.5 B69 B69.5 B610 B610.5 B611	CONCRE T1 (Inches) 6 7 8 8.5 9 9.5 10 10.5 11	$\begin{array}{c} TE CURE \\ T_2 \\ (Inches) \\ \hline 5 \frac{1}{16} \\ 6 \frac{1}{16} \\ 7 \frac{1}{16} \\ 8 \frac{1}{16} \\ 8 \frac{1}{16} \\ 9 \frac{1}{16} \\ 9 \frac{1}{16} \\ 10 \frac{1}{16} \end{array}$	AND G Cu. Yd. Per Lin. Ft. 0.057 0.065 0.073 0.077 0.081 0.085 0.090 0.094 0.098	UTTER Lin. Ft. Per Cu. Yd. 17.7 15.4 13.7 13.0 12.3 11.7 11.2 10.7 10.2					
GENERAL NOTES: When concrete curb an of attachment will be b See standard plate 650	B611.5 B612 nd gutter y one of t 0.90 for e	11.5 12 longitudin he metho xpansion	10% ₁₆ 11¼ ₆ ally adjoir ds shown and contr	0.102 0.106 ns new c on stand action jo	9.8 9.4 Doncrete lard plat	paveme te 380.1 ne curb	ent, the me 11. and gutter.	thod		

	STATE OF	PROJECT	SHEET	TOTAL SHEETS
	DAKOTA	085-471	22	23
	Plotting Date	e: 05/04/2021		
			٦	
OFNERAL NOTES				
GENERAL NOTES:				
For illustrative purpose only, type 1 detecta	ble warnings are shown in the drawings.			
For illustrative purpose only, a PCC fillet set this standard plate may be used with a PC	ction is shown in one of the drawings. The C fillet section or with curb and gutter.	e curb ramp depicted on		
The curb ramp will be placed at the locatio	n stated in the plans.			
Sidewalk adjacent to the curb ramp will be	as shown in the plans.			
Care will be taken to ensure a uniform grad	e on the curb ramp, free of sags and shor	grade changes.		
Surface texture of the curb ramp will be ob	ained by coarse brooming transverse to th	e slope of the curb ramp.		
The normal gutter line profile will be mainta	ined through the area of the ramp opening			
Joints will be sawed or tooled into the conc cracking (see plan view for joint location).	rete adjacent to the detectable warnings to	alleviate possible corner		
Care will be taken to ensure that the surface	e of the detectable warnings are clean and	l maintains a uniform color.		
The detectable warnings will be cut as nec for cutting the detectable warnings will be i	essary to fit the plan specified limits of the ncidental to the corresponding detectable to	detectable warnings. Cost varning contract item.		
When curb height is greater than 6" and lead on sheet 2 of 3. The reinforcing steel will co the reinforcing steel will be incidental to the sidewalk contract item.	ss than 12", reinforcing steel is required in onform to ASTM A615, Grade 60. Cost for contract unit price per square foot for the	accordance with the detail furnishing and installing corresponding concrete		
There will be no separate payment for curb unit price per square foot for the correspon detectable warnings and the curb along the of sidewalk.	ramps. The curb ramp will be measured a ding concrete sidewalk contract item. The short radius will be included in the measu	nd paid for at the contract square foot area of the red and paid for quantity		
The curb transitions and ramp opening will corresponding curb and gutter contract iter will be measured and paid for at the contra section contract item when a PCC fillet sec	be measured and paid for at the contract to when curb and gutter is used. The curb t ct unit price per square yard for the corres tion is used.	unit price per foot for the ransitions and ramp opening ponding PCC fillet		
The type 1 detectable warnings will be mean the type 1 detectable warnings including la contract unit price per square foot for "Type	sured to the nearest square foot. All costs por, equipment, materials, and incidentals a 1 Detectable Warnings".	for furnishing and installing will be paid for at the		
The type 2 detectable warnings will be mean the type 2 detectable warnings including la or grout, and necessary grinding will be pa Warnings".	sured to the nearest square foot. All costs por, equipment, and materials, including and d for at the contract unit price per square f	for furnishing and installing dhesive, necessary sealant oot for "Type 2 Detectable		
		February 14, 2020	2	
		PLATE NUMBER) I	
	ITTE J LUKU KANIP (dadnijej ciido damadi	651.03		
Published Date: 2nd Otr. 2021	(FANALLEL GUND NAWP)	Sheet 3 of 3		

