

May 14, 2024

ADDENDUM NO. 2

RE: Item #4, May 15, 2024 Letting - IM 2292(105)3, PCN 07CY, Minnehaha County - Temporary Grading, Asphalt Concrete Surfacing, Temporary Structure Installation & Large Block Concrete Retaining Walls, Crossovers

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: NO CHANGE

SDEBS BID PROPOSAL: *The electronic bid proposal for this contract has been revised to include the changes associated with this addendum. Bidders must log in to the SDEBS to retrieve and incorporate these changes into their bid.*

Quantities for Bid Items were changed:

Bid Item 634E0525 "Linear Delineation System Panel, Barrier Mounted" changed from 745 to 759 Each
Bid Item 634E0702 "Contractor Supplied Traffic Control Movable Concrete Barrier" changed from 335 to 466 Each
Bid Item 634E0705 "Remove and Reset Traffic Control Moveable Concrete Barrier" changed from 304 to 521 Each

PLANS: Please destroy sheets A2, C2, & C11 and replace with the enclosed sheets, dated 5/13/24.

Sheet A2 & C2: Quantities for Bid Items were changed:

Bid Item 634E0525 "Linear Delineation System Panel, Barrier Mounted" changed from 745 to 759 Each
Bid Item 634E0702 "Contractor Supplied Traffic Control Movable Concrete Barrier" changed from 335 to 466 Each
Bid Item 634E0705 "Remove and Reset Traffic Control Moveable Concrete Barrier" changed from 304 to 521 Each

Sheet C11: OTHER TRAFFIC CONTROL QUANTITIES table was revised.
Please note that PCN 05HN is a future construction project.

Sincerely,

Sam Weisgram
Engineering Supervisor

SW/cj

CC: Travis Dressen, Mitchell Region Engineer
Harry Johnston, Sioux Falls Area Engineer

SECTION B – GRADING

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3230	Grade Staking	1.824	Mile
009E3245	Final Cross Section Survey	1.824	Mile
009E3250	Miscellaneous Staking	1.824	Mile
009E3280	Slope Staking	1.824	Mile
009E3290	Structure Staking	4	Each
009E3301	Engineer Directed Surveying/Staking	40.0	Hour
009E4200	Construction Schedule, Category II	Lump Sum	LS
100E0100	Clearing	Lump Sum	LS
110E0650	Remove Crossover Closure	311	Ft
110E0700	Remove 3 Cable Guardrail	1,311	Ft
110E0730	Remove Beam Guardrail	79.5	Ft
110E0740	Remove 3 Cable Guardrail Anchor Assembly	7	Each
110E1100	Remove Concrete Pavement	4,016.5	SqYd
110E7510	Remove Pipe End Section for Reset	1	Each
120E0010	Unclassified Excavation	25,145	CuYd
120E0500	Option Borrow Excavation	56,838	CuYd
120E1000	Muck Excavation	761	CuYd
120E2000	Undercutting	15,903	CuYd
120E6100	Water for Embankment	560.0	MGal
250E0020	Incidental Work, Grading	Lump Sum	LS
450E0105	12" RCP Class 5, Furnish	182	Ft
450E0110	12" RCP, Install	182	Ft
450E0143	24" RCP Class 3, Furnish	20	Ft
450E0150	24" RCP, Install	20	Ft
450E4738	12" CMP 14 Gauge, Furnish	106	Ft
450E4740	12" CMP, Install	106	Ft
450E4758	18" CMP 14 Gauge, Furnish	94	Ft
450E4760	18" CMP, Install	94	Ft
450E5000	12" CMP Elbow, Furnish	6	Each
450E5001	12" CMP Elbow, Install	6	Each
450E5203	12" CMP Flared End, Furnish	3	Each
450E5204	12" CMP Flared End, Install	3	Each
450E5406	18" CMP Safety End, Furnish	1	Each
450E5407	18" CMP Safety End, Install	1	Each
450E7999	12" RCP to CMP Transition, Furnish	3	Each
450E8000	12" Pipe Transition, Install	3	Each
450E9001	Reset Pipe End Section	1	Each
462E0100	Class M6 Concrete	6.2	CuYd
480E0100	Reinforcing Steel	899	Lb
629E9000	Crossover Closure	530	Ft
629E9010	Interim Crossover Closure	530	Ft
630E0500	Type 1 MGS	1,512.5	Ft

SECTION B – GRADING (cont'd)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
630E0530	Type 3 MGS	150.0	Ft
630E1005	18"-9" Longspan MGS	1	Each
630E2017	MGS MASH Flared End Terminal	5	Each
630E2018	MGS MASH Tangent End Terminal	1	Each
630E2065	MGS Trailing End Terminal	2	Each
670E3300	Type E Frame and Grate	3	Each
670E5400	Precast Drop Inlet Collar	3	Each

SECTION C – TRAFFIC CONTROL

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
628E0200	Remove and Reset Crash Cushion	5	Each
628E1100	Movable F Shape Concrete Barrier, Interior Section	293	Each
628E1500	Concrete Barrier End Protection	4	Each
633E0030	Cold Applied Plastic Pavement Marking, 24"	60	Ft
633E0040	Cold Applied Plastic Pavement Marking, Arrow	6	Each
634E0110	Traffic Control Signs	2,240.7	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	15	Each
634E0380	Tubular Marker	194	Each
634E0390	Replace Tubular Marker	19	Each
634E0420	Type C Advance Warning Arrow Board	3	Each
634E0525	Linear Delineation System Panel, Barrier Mounted	759	Each
634E0560	Remove Pavement Marking, 4" or Equivalent	2,200	Ft
634E0565	Remove Pavement Marking, Arrow	8	Each
634E0575	Remove Pavement Marking, Area	200.0	SqFt
634E0640	Temporary Pavement Marking	22,343	Ft
634E0702	Contractor Supplied Traffic Control Movable Concrete Barrier	466	Each
634E0705	Remove and Reset Traffic Control Movable Concrete Barrier	521	Each
634E0750	Temporary Concrete Barrier End Protection	5	Each
634E0755	Remove and Reset Temporary Concrete Barrier End Protection	5	Each
634E0760	Temporary Concrete Barrier End Protection Module Set or Repair Kit	1	Each
634E1215	Contractor Furnished Portable Changeable Message Sign	2	Each
634E1235	Queue Detection System	9.0	Mth
634E1245	Maintenance of Queue Detection System	104	Hour
634E2000	Longitudinal Pedestrian Barricade	8	Ft
634E2020	Temporary Curb Ramp	2	Each
634E2025	Longitudinal Pedestrian Barrier	300	Ft

SECTION D – EROSION CONTROL

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	1.1	CuYd
110E1700	Remove Silt Fence	2,142	Ft
230E0010	Placing Topsoil	6,425	CuYd
730E0202	Type B Permanent Seed Mixture	216	Lb
731E0200	Fertilizing	5.97	Ton
732E0200	Fiber Mulching	23.3	Ton
734E0102	Type 2 Erosion Control Blanket	7,767	SqYd
734E0133	Type 3 Turf Reinforcement Mat	652.0	SqYd
734E0154	12" Diameter Erosion Control Wattle	380	Ft
734E0160	20" Diameter Erosion Control Wattle	265	Ft
734E0165	Remove and Reset Erosion Control Wattle	114	Ft
734E0510	Shaping for Erosion Control Blanket	4,312	Ft
734E0602	Low Flow Silt Fence	8,505	Ft
734E0610	Mucking Silt Fence	595	CuYd
734E0620	Repair Silt Fence	2,142	Ft
734E0845	Sediment Control at Inlet with Frame and Grate	3	Each
734E0847	Sediment Control at Type S Reinforced Concrete Drop Inlet	16	Ft
734E5010	Sweeping	32	Hour
900E1310	Concrete Washout Facility	2	Each
900E1320	Construction Entrance	6	Each

SECTION E – STRUCTURE

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
004E0060	Temporary Detour Structure	1	Each
420E0100	Structure Excavation, Bridge	57	CuYd
420E0300	Structure Excavation, Retaining Wall	35	CuYd
421E1000	Footing Undercut	102	CuYd
460E0050	Class A45 Concrete, Bridge	64.6	CuYd
480E0100	Reinforcing Steel	4,638	Lb
510E3120	HP 10 Pile Tip Reinforcement	16	Each
510E3365	HP 10x42 Steel Bearing Pile, Furnish and Drive	920	Ft
530E0470	Gravity Large Concrete Block Wall	2,592	SqFt
530E0718	Granular Backfill for Gravity Large Concrete Block Wall	386.8	CuYd
680E0040	4" Underdrain Pipe	659	Ft
680E2500	Porous Backfill	29.6	Ton

INDEX OF SHEETS	
A2 to A3	Estimate of Quantities for Sections B, C, D, E, F, M, and S
A4 to A6	Environmental Commitments



SECTION C ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
628E0200	Remove and Reset Crash Cushion	5	Each
628E1100	Movable F Shape Concrete Barrier, Interior Section	293	Each
628E1500	Concrete Barrier End Protection	4	Each
633E0030	Cold Applied Plastic Pavement Marking, 24"	60	Ft
633E0040	Cold Applied Plastic Pavement Marking, Arrow	6	Each
634E0110	Traffic Control Signs	2,240.7	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	15	Each
634E0380	Tubular Marker	194	Each
634E0390	Replace Tubular Marker	19	Each
634E0420	Type C Advance Warning Arrow Board	3	Each
634E0525	Linear Delineation System Panel, Barrier Mounted	759	Each
634E0560	Remove Pavement Marking, 4" or Equivalent	2,200	Ft
634E0565	Remove Pavement Marking, Arrow	8	Each
634E0575	Remove Pavement Marking, Area	200.0	SqFt
634E0640	Temporary Pavement Marking	22,343	Ft
634E0702	Contractor Supplied Traffic Control Movable Concrete Barrier	466	Each
634E0705	Remove and Reset Traffic Control Movable Concrete Barrier	521	Each
634E0750	Temporary Concrete Barrier End Protection	5	Each
634E0755	Remove and Reset Temporary Concrete Barrier End Protection	5	Each
634E0760	Temporary Concrete Barrier End Protection Module Set or Repair Kit	1	Each
634E1215	Contractor Furnished Portable Changeable Message Sign	2	Each
634E1235	Queue Detection System	9.0	Mth
634E1245	Maintenance of Queue Detection System	104	Hour
634E2000	Longitudinal Pedestrian Barricade	8	Ft
634E2020	Temporary Curb Ramp	2	Each
634E2025	Longitudinal Pedestrian Barrier	300	Ft

SEQUENCE OF OPERATIONS

Contractor requests to deviate from the sequence of operations will be submitted in writing to the Engineer for review. 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.

- **Phase 1a (NB I-229 Inside Widening)**
 - Closure of inside lane on NB I-229
 - Remove waste material
 - Grading to widen inside shoulder
- **Phase 1b (Exit 3 – Exit 4 Milling and Widening)**
 - Closure of inside lane on NB I-229 and inside lane on SB I-229
 - Mill existing crossover asphalt
 - Crossover grading and widening

- Crossover repavement
- Extend crossover pipe culvert
- **Phase 1c (Exit 4 – Exit 5 Widening)**
 - Close inside lane on NB I-229
 - Grading and widening of crossover
 - Paving crossover
- **Phase 2a (I-229 Widening and Diversion)**
 - Close outside lane on NB I-229
 - Remove waste material
 - Install guardrail
- **Phase 2b (Ramp B)**
 - Close outside lane on NB I-229
 - Ramp closure
 - Grading and surfacing
 - Install ramp retaining wall
- **Phase 2c (Ramp C)**
 - Close outside lane on NB I-229
 - Ramp closure
 - Grading and surfacing
- **Phase 3a**
 - Close existing southbound Cliff Ave traffic
 - Install temporary retaining wall
 - Grade embankment and install abutment
 - Install drainage pipe extensions
- **Phase 3b**
 - Close existing northbound Cliff Ave traffic
 - Install sidewalk detour
 - Grade embankment and install abutment
 - Install drainage pipe extensions
- **Phase 3c**
 - Close Cliff Ave
 - Install temporary bridge structure
- **Phase 4**
 - Installation of concrete barrier

Notes:

- Installation of temporary bridge structure during Phase 3c is anticipated to be (1) overnight road closure of Cliff Ave.
- Refer to Section S for permanent signage on temporary diversion closure.

COORDINATION BETWEEN CONTRACTORS

A separate contract for PCN 07CV has been awarded and will be constructed in 2024 to another Contractor for work at I-229 and 26th Street. The involved work will be approach slab repair, polymer chip seal, and crash wall construction adjacent to this project (PCN 07CY).

Conflicting traffic control devices between projects may need to be temporarily adjusted or removed as directed by the Engineer and at no additional cost to the contract.

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.

All temporary speed limit signs will have a minimum mounting height of 5 feet in rural locations, even when mounted on portable supports.

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.

Fixed location signing placed more than 4 calendar days prior to the start of construction will be covered or laid down until the time of construction. The covers must be approved by the Engineer prior to installation. The cost of materials, labor, and equipment necessary to complete this work will be incidental to other contract items. No separate payment will be made.

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



OTHER TRAFFIC CONTROL QUANTITIES												
Item	Unit	Phase 1	Phase 2a	Phase 2b	Phase 2c	Phase 3a	Phase 3b	Phase 3c	Phase 4	PCN 05HN	Field Determined	Payment Quantity
PCN 07CY												
Tubular Marker	Each				21	162	153				32	194
Replace Tubular Marker	Each				2	16	15				3	19
Type C Advance Warning Arrow Board	Each			1	1						2	3
Linear Delineation System Panel, Barrier Mounted	Each	304	131						66	200	58	759
Remove Pavement Marking, 4" or Equivalent	Ft					2000					200	2,200
Remove Pavement Marking, Arrow	Each					7					1	8
Remove Pavement Marking, Area	SqFt					200						200
Concrete Barrier End Protection	Each								4			4
Contractor Supplied Traffic Control Movable Concrete Barrier	Each	304	131								31	466
Moveable F Shape Concrete Barrier, Interior Section	Each								66	200	27	293
Temporary Concrete Barrier End Protection	Each	5	5		2							5
Remove and Reset Traffic Control Moveable Concrete Barrier	Each		304	91	63	31	32					521
Remove and Reset Temporary Concrete Barrier End Protection	Each	5	5		2							5
Temporary Concrete Barrier End Protection Module Set or Repair Kit	Each	1										1
Contractor Furnished Portable Changeable Message Sign	Each	2										2
Maintenance of Queue Detection System	Hour	24	24	24	24						8	104
Longitudinal Pedestrian Barricade	Ft						8					8
Temporary Curb Ramp	Each					2	2					2
Longitudinal Pedestrian Barrier	Ft						300					300

TYPE 3 BARRICADES, 8' DOUBLE SIDED										
Description	Unit	PHASE							Payment Quantity	
		1	2a	2b	2c	3a	3b	3c		
Lane Closure	Each				1	4	3			
Shoulder Closure	Each	2	3							
Ramp Closure	Each			3	3					
Road Closure	Each								10	
Field Determined	Each	5	5	5	5	5	5	5		
Total :		7	8	8	9	9	8	15		15

Temporary Pavement Marking							
Phase	Location	634E0640				633E0030	633E0040
		Continuous (White)	Continuous (Yellow)	2' Skip (White)	2' Skip (Yellow)	24" (White)	Arrow (White)
		(Ft)	(Ft)	(Ft)	(Ft)	(Ft)	(Each)
1	208+08 to 233+22	5066	2520				
2a	217+00 to 234+26	4982					
2b	209+00 to 234+50	2928	1454				
2c	192+50 to 206+00	2700	1350				
3a	Cliff Ave	92	380	358	988	36	3
3b	Cliff Ave	100	100	320	774	24	3
	Field Determined	1587	580	68	176		
	Total :	15868	5804	186	485	60	6

