



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

October 26, 2016

SUBJECT: CAL-SAG TRAIL

Section 08-00178-02-BT (Blue Island)

Cook County

Contract No. 61C12

Item 113

November 4, 2016 Letting

Addendum (A)

NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

- 1. Revised sheets 4, 29 & 30 of the Plans.**
- 2. Revised pages 5 – 9 of the Schedule of Prices.**
- 3. Revised page ii of the Index of Special Provisions.**
- 4. Revised Guide Bridge Special Provision Index/Check Sheet.**
- 5. Added pages 74A – 74C and 134A & 134B to the Special Provisions.**

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

Maureen M. Addis, P.E.
Acting Bureau Chief of Design and Environment

A handwritten signature in black ink, reading "Ted B. Walschleger P.E." with a stylized flourish at the end.

By: Ted B. Walschleger, P.E.
Engineer of Project Management

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
50200100	STRUCTURE EXCAVATION	CU YD	86.000 X				
50200300	COFFERDAM EXCAVATION *	CU YD	82.000 X				
50201101	COFFERDAM TYP 1 LOC 1 *	EACH	1.000 X				
50201102	COFFERDAM TYP 1 LOC 2 *	EACH	1.000 X				
50300225	CONC STRUCT	CU YD	96.400 X				
50300255	CONC SUP-STR	CU YD	12.800 X				
50300300	PROTECTIVE COAT	SQ YD	475.000 X				
50800105	REINFORCEMENT BARS	POUND	2,380.000 X				
50800205	REINF BARS, EPOXY CTD	POUND	26,150.000 X				
50901760	PIPE HANDRAIL	FOOT	69.000 X				
51100100	SLOPE WALL 4	SQ YD	282.000 X				
51603000	DRILLED SHAFT IN SOIL	CU YD	50.400 X				
51604000	DRILLED SHAFT IN ROCK	CU YD	9.400 X				
52000110	PREF JT STRIP SEAL	FOOT	50.000 X				
542A0217	P CUL CL A 1 12	FOOT	79.000 X				

* Revised 10/26/2016

CAL-SAG
 18-00178-02-BT (BLUE ISLAND)
 COOK

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT NUMBER - 61C12

ECMS002 DTGECM03 ECMR003 PAGE
 RUN DATE - 10/25/16
 RUN TIME - 183025

*

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
542A0220	P CUL CL A 1 15	FOOT	17.000 X				
542A0226	P CUL CL A 1 21	FOOT	20.000 X				
54213657	PRC FLAR END SEC 12	EACH	8.000 X				
54213660	PRC FLAR END SEC 15	EACH	2.000 X				
54213666	PRC FLAR END SEC 21	EACH	2.000 X				
58700300	CONCRETE SEALER	SQ FT	1,170.000 X				
59100100	GEOCOMPOSITE WALL DR	SQ YD	36.000 X				
60603800	COMB CC&G TB6.12	FOOT	394.000 X				
66400305	CH LK FENCE 6	FOOT	1,649.000 X				
66400505	CH LK FENCE 8	FOOT	920.000 X				
66900200	NON SPL WASTE DISPOS	CU YD	300.000 X				
66900450	SPL WASTE PLNS/REPORT	L SUM	1.000 X				
66900530	SOIL DISPOSAL ANALY	EACH	2.000 X				
67000500	ENGR FIELD OFFICE B	CAL MO	18.000 X				
67100100	MOBILIZATION	L SUM	1.000 X				

* Revised 10/26/2016

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
70102625	TR CONT & PROT 701606	L SUM	1.000 X				
70102635	TR CONT & PROT 701701	L SUM	1.000 X				
70103815	TR CONT SURVEILLANCE	CAL DA	15.000 X				
72000100	SIGN PANEL T1	SQ FT	20.000 X				
72400500	RELOC SIN PAN ASSY TA	EACH	1.000 X				
72900100	METAL POST TY A	FOOT	20.000 X				
72900200	METAL POST TY B	FOOT	64.000 X				
78000200	THPL PVT MK LINE 4	FOOT	629.000 X				
78000400	THPL PVT MK LINE 6	FOOT	83.000 X				
78000500	THPL PVT MK LINE 8	FOOT	170.000 X				
78000600	THPL PVT MK LINE 12	FOOT	135.000 X				
78001110	PAINT PVT MK LINE 4	FOOT	6,917.000 X				
78001150	PAINT PVT MK LINE 12	FOOT	10.000 X				
80400100	ELECT SERV INSTALL	EACH	1.000 X				
80400200	ELECT UTIL SERV CONN	L SUM	1.000 X	5000	00	5000	00

* Revised 10/26/2016

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
81028200	UNDRGRD C GALVS 2	FOOT	500.000 X	=	=	=	=
81028720	UNDRGRD C CNC 1	FOOT	120.000 X	=	=	=	=
81100320	CON AT ST 1 PVC GS	FOOT	520.000 X	=	=	=	=
81300220	JUN BX SS AS 6X6X4	EACH	6.000 X	=	=	=	=
81300320	JUN BX SS AS 8X8X6	EACH	2.000 X	=	=	=	=
81702110	EC C XLP USE 1C 10	FOOT	726.000 X	=	=	=	=
81702120	EC C XLP USE 1C 8	FOOT	2,904.000 X	=	=	=	=
81702400	EC C XLP USE 3-1C 2	FOOT	500.000 X	=	=	=	=
82200605	WATWY OBS WARN LM LED	EACH	6.000 X	=	=	=	=
82500330	LT CONT PEDM 240V 60	EACH	1.000 X	=	=	=	=
89502376	REBUILD EX HANDHOLE	EACH	1.000 X	=	=	=	=

TOTAL \$

NOTE: *** PLEASE TURN PAGE FOR IMPORTANT NOTES ***

* Revised 10/26/2016

NOTE:

1. EACH PAY ITEM SHOULD HAVE A UNIT PRICE AND A TOTAL PRICE.
2. THE UNIT PRICE SHALL GOVERN IF NO TOTAL PRICE IS SHOWN OR IF THERE IS A DISCREPANCY BETWEEN THE PRODUCT OF THE UNIT PRICE MULTIPLIED BY THE QUANTITY.
3. IF A UNIT PRICE IS OMITTED, THE TOTAL PRICE WILL BE DIVIDED BY THE QUANTITY IN ORDER TO ESTABLISH A UNIT PRICE.
4. A BID MAY BE DECLARED UNACCEPTABLE IF NEITHER A UNIT PRICE NOR A TOTAL PRICE IS SHOWN.

* Revised 10/26/2016

GROUND TIRE RUBBER (GTR) MODIFIED ASPHALT BINDER (D-1)	72
HEAT OF HYDRATION CONTROL FOR CONCRETE STRUCTURES (D-1)	73
PUBLIC CONVIENCE AND SAFETY (DIST 1)	73
STRIP SEAL JOINT EXPANSION PLATE	74A.



IDOT TRAINING PROGRAM GRADUATE ON-THE-JOB TRAINING SPECIAL PROVISION (TPG)	75
----------------------------------------------------------------------------	----

SWPPP & NOI	77
LPC-662	88

GUIDE BRIDGE SPECIAL PROVISION INDEX/CHECK SHEET
Effective as of the: July 29, 2016 Letting

Pg #	√	File Name	Title	Effective	Revised
		GBSP 4	Polymer Modified Portland Cement Mortar	June 7, 1994	Apr 1, 2016
		GBSP 12	Drainage System	June 10, 1994	Jun 24, 2015
		GBSP 13	High-Load Multi-Rotational Bearings	Oct 13, 1988	Apr 1, 2016
		GBSP 14	Jack and Remove Existing Bearings	April 20, 1994	Jan 1, 2007
		GBSP 15	Three Sided Precast Concrete Structure	July 12, 1994	Dec 29, 2014
		GBSP 16	Jacking Existing Superstructure	Jan 11, 1993	Jan 1, 2007
		GBSP 17	Bonded Preformed Joint Seal	July 12, 1994	Jan 1, 2007
		GBSP 18	Modular Expansion Joint	May 19, 1994	Dec 29, 2014
		GBSP 21	Cleaning and Painting Contact Surface Areas of Existing Steel Structures	June 30, 2003	May 18, 2011
		GBSP 25	Cleaning and Painting Existing Steel Structures	Oct 2, 2001	Apr 22, 2016
		GBSP 26	Containment and Disposal of Lead Paint Cleaning Residues	Oct 2, 2001	Apr 22, 2016
		GBSP 28	Deck Slab Repair	May 15, 1995	Oct 15, 2011
		GBSP 29	Bridge Deck Microsilica Concrete Overlay	May 15, 1995	Apr 1, 2016
		GBSP 30	Bridge Deck Latex Concrete Overlay	May 15, 1995	Jun 24, 2015
		GBSP 31	Bridge Deck High-Reactivity Metakaolin (HRM) Conc Overlay	Jan 21, 2000	Apr 1, 2016
131	X	GBSP 33	Pedestrian Truss Superstructure	Jan 13, 1998	Dec 29, 2014
		GBSP 34	Concrete Wearing Surface	June 23, 1994	Apr 1, 2016
		GBSP 35	Silicone Bridge Joint Sealer	Aug 1, 1995	Oct 15, 2011
		GBSP 45	Bridge Deck Thin Polymer Overlay	May 7, 1997	Feb 6, 2013
134	X	GBSP 51	Pipe Underdrain for Structures	May 17, 2000	Jan 22, 2010
		GBSP 53	Structural Repair of Concrete	Mar 15, 2006	Apr 1, 2016
		GBSP 55	Erection of Curved Steel Structures	June 1, 2007	
		GBSP 56	Setting Piles in Rock	Nov 14, 1996	Apr 1, 2016
		GBSP 59	Diamond Grinding and Surface Testing Bridge Sections	Dec 6, 2004	Jan 3, 2014
		GBSP 60	Containment and Disposal of Non-Lead Paint Cleaning Residues	Nov 25, 2004	Apr 22, 2016
		GBSP 61	Slipform Parapet	June 1, 2007	Apr 22, 2016
		GBSP 67	Structural Assessment Reports for Contractor's Means and Methods	Mar 6, 2009	Oct 5, 2015
		GBSP 71	Aggregate Column Ground Improvement	Jan 15, 2009	Oct 15, 2011
		GBSP 72	Bridge Deck Fly Ash or GGBF Slag Concrete Overlay	Jan 18, 2011	Jun 24, 2015
134A	X	GBSP 73	Cofferdams	Oct 15, 2011	
		GBSP 75	Bond Breaker for Prestressed Concrete Bulb-T Beams	April 19, 2012	
		GBSP 76	Granular Backfill for Structures	April 19, 2012	Oct 30, 2012
		GBSP 77	Weep Hole Drains for Abutments, Wingwalls, Retaining Walls And Culverts	April 19, 2012	Oct 22, 2013
135	X	GBSP 78	Bridge Deck Construction	Oct 22, 2013	Apr 1, 2016
		GBSP 79	Bridge Deck Grooving (Longitudinal)	Dec 29, 2014	Apr 1, 2016
		GBSP 84	Precast, Prestressed Concrete Beams	Oct 5, 2015	
		GBSP 85	Micropiles	Apr 19, 1996	Oct 5, 2015
139	X	GBSP 86	Drilled Shafts	Oct 5, 2015	Apr 1, 2016
		GBSP 87	Lightweight Cellular Concrete Fill	Nov 11, 2011	Apr 1, 2016
		GBSP 88	Corrugated Structural Plate Structures	Apr 22, 2016	

LIST ANY ADDITIONAL SPECIAL PROVISIONS BELOW

--

Revised 10/26/2016

STRIP SEAL JOINT EXPANSION PLATE

PART 1-GENERAL

1.1 Work Included

- A. The work shall consist of furnishing and installing molded elastomeric hinged expansion plate over a strip seal joint in accordance with the details shown on the plans and the requirements of the specifications. The molded elastomeric hinged expansion plate are proprietary designs utilizing extruded rubber covers integral with independent metal plates.

1.2 Submittals

- A. Template Drawings - Submit typical molded elastomeric hinged expansion plate cross-section(s) indicating pertinent dimensioning, general construction, component connections, and anchorage method.

1.3 Product Delivery, Storage and Handling

- A. Deliver products in each manufacturer's original, intact, labeled containers and store under cover in a dry location until installed. Store off the ground, protect from weather and construction activities.

1.4 Quality Assurance

- A. Manufacturer: Shall be ISO-9001:2008, RC14001:2008 certified and shall provide written confirmation that a formal Quality Management System and Quality Processes have been adopted in the areas of, (but not limited to) engineering, manufacturing, quality control and customer service for all processes, products and their components.
- B. Warranty: The molded elastomeric hinged expansion plate shall be warranted for a period of one (1) year for normal traffic usage under specified movement limitations and design conditions as described by the manufacturer. The provided one (1) year warranty shall be a materials only warranty. Manufacturer will supply all materials needed to properly repair or replace defective or damaged product within the term of the warranty.
- C. Manufacturer: Shall have a minimum ten (10) years experience specializing in the manufacturing of molded expansion joint elastomeric hinged expansion plate. Verification of experience will be required.



Added 10/26/2016

74 A.

- D. Products: Expansion control systems shall be installed with manufacturer's blackout repair and infill materials.

PART 2 - PRODUCT

2.1 General

- A. Provide molded elastomeric hinged expansion plate that is capable of spanning joint opening based upon movement requirements. Provides a safe transition over natural recesses created by all blackout and cavity type expansion joints. Creates a smooth transition between opposing slabs under vertical displacement. Utilizes extruded ethylene propylene diene monomer (EPDM) with independent steel plates for reinforcement. When installed over a flat surface, elastomeric hinged expansion plate shall comply with ADA guidelines. Install all components utilizing recommended fasteners for complete installation.

2.2 Components and Materials

- A. EPDM Rubber Cover: When installed the top surface of the cover profile shall be non-slip and provide a suitable transition across the joint opening. Material shall be EPDM or manufacturer's alternate material exhibiting a shore A hardness of 60 +/- 5.



PHYSICAL PROPERTY	ASTM TEST METHOD	REQUIREMENTS
Tensile Strength	D 412	10.4MPa (1500 psi) min.
Ultimate Elongation	D 412	350% min
Hardness, Shore A 7 days @ -10°C (14°F)	D 2240	60 +/- 5
Heat Resistance, 70 hrs. @ 100°C (212°F) Tensile Strength Change Ultimate Elongation Change Hardness Change	D 573	25% max 25% max + 10 pts max
Oil Resistance, 70 hrs. @ 100°C (212°F) Volume Change	D 471	+ 120% max
Ozone Resistance, 50 pphm for 70 hrs. @ 104°F	D 518	100 quality retention rating
Compression Set, 22 hrs. @70°C	D 395	+ 50% max

Requirements shown above reflect test results taken immediately following compound mixing. Results may vary and are not indicative of product performance if specimens are skived from finished, molded parts.

74B.

Added 10/26/2016

- B. Metal plates - Provide 1/2" thick structural steel plates, to accommodate various structural joint sizes and movement requirements.
- C. Anchors - Provide 10mm dia. x 70mm long manufacturer's recommended Heavy Duty Concrete Anchor at 16" o.c. max. spacing. Install anchors in strict accordance with manufacturer's instructions in sound concrete.

2.1 Fabrication

- A. Molded elastomeric hinged expansion plate shall be shipped in 6 foot lengths on manufacturer's standard shipping pallet.
- B. Anchors shall be shipped in manufacturer's standard carton.

2.2 Finishes

- A. (Standard) Exposed elastomeric surfaces shall be supplied in standard color Pavement Black unless otherwise specified.

PART 3 - EXECUTION

3.1 Installation

- A. Protect elastomeric hinged expansion plate from damage during installation of adjacent materials and thereafter until completion of structure.
- B. Elastomeric hinged expansion plates shall be installed in strict accordance with the manufacturer's typical details and instructions along with the advice of their qualified representative.

3.2 Clean and Protect

- A. Protect system and its components during construction. After work is complete in adjacent areas clean exposed surfaces with a suitable cleaner that will not harm or attack the elastomeric material.

PART 4 – BASIS OF PAYMENT

- A. This work will not be paid separately but will be considered as included in the contract unit price per foot for PREFORMED JOINT STRIP SEAL. The unit price per foot for PREFORMED JOINT STRIP SEAL will include full compensation for the installation of the preformed joint strip seal as specified in Article 520 of Standard Specifications, elastomeric hinged expansion plates, expansion plate anchors, and all equipment, components, materials, labor, tools, and incidentals necessary to complete the work.

Added 10/26/2016



COFFERDAMS

Effective: October 15, 2011

Replace Article 502.06 with the following.

502.06 Cofferdams. A Cofferdam shall be defined as a temporary structure, consisting of engineered components, designed to isolate the work area from water to enable construction under dry conditions based on either the Estimated Water Surface Elevation (EWSE) or Cofferdam Design Water Elevation (CDWE) shown on the contract plans as specified below. When cofferdams are not specified in the contract documents and conditions are encountered where the excavation for the structure cannot be kept free of water for prosecuting the work by pumping and/or diverting water, the Contractor, with the written permission of the Engineer, will be permitted to construct a cofferdam.

The Contractor shall submit a cofferdam plan for each cofferdam to the Engineer for approval prior to the start of construction. Cofferdams shall not be installed or removed without the Engineer's approval. Work shall not be performed in flowing water except for the installation and removal of the cofferdam. The cofferdam plan shall address the following:

- (a) Cofferdam (Type 1). The Contractor shall submit a cofferdam plan which addresses the proposed methods of construction and removal; the construction sequence including staging; dewatering methods; erosion and sediment control measures; disposal of excavated material; effluent water control measures; backfilling; and the best management practices to prevent reintroduction of excavated material into the aquatic environment. The design and method of construction shall provide, within the measurement limits specified in Article 502.12, necessary clearance for forms, inspection of exterior of the forms, pumping, and protection of fresh concrete from water. For Type 1 cofferdams, it is anticipated the design will be based on the EWSE shown on the contract plans. The Contractor shall assume all liability, financial or otherwise for a Type 1 cofferdam designed for an elevation lower than the EWSE.
- (b) Cofferdam (Type 2). In addition to the requirements of Article 502.06(a), the Contractor's submittal shall include detailed drawings and design calculations, prepared and sealed by an Illinois Licensed Structural Engineer. For Type 2 cofferdams it is anticipated the design will be based on the CDWE shown on the contract plans. The Contractor shall assume all liability, financial or otherwise for a Type 2 cofferdam designed for an elevation lower than the CDWE.
- (c) Seal Coat. The seal coat concrete, when shown on the plans, is based on design assumptions in order to establish an estimated quantity. When seal coat is indeed utilized, it shall be considered an integral part of the overall cofferdam system and, therefore, its design shall be included in the overall cofferdam design submittal. If a seal coat was not specified but determined to be necessary, it shall be added to the contract by written permission of the Engineer. The seal coat concrete shall be constructed according to Article

1

Added 10/26/2016

134A.

503.14. After the excavation within the cofferdam has been completed and the piles have been driven (if applicable), and prior to placing the seal coat, the elevation of the bottom of the proposed seal coat shall be verified by soundings. The equipment and methods used to conduct the soundings shall meet the approval of the Engineer. Any material within the cofferdam above the approved bottom of the seal coat elevation shall be removed.

No component of the cofferdam shall extend into the substructure concrete or remain in place without written permission of the Engineer. Removal shall be according to the previously approved procedure. Unless otherwise approved in writing by the Engineer, all components of the cofferdam shall be removed.

Revise the first paragraph of 502.12(b) to read as follows.

- (b) Measured Quantities. Structure excavation, when specified, will be measured for payment in its original position and the volume computed in cubic yards (cubic meters). Horizontal dimensions will not extend beyond vertical planes 2 ft (600 mm) outside of the edges of footings of bridges, walls, and corrugated steel plate arches. The vertical dimension for structure excavation will be the average depth from the surface of the material to be excavated to the bottom of the footing as shown on the plans or ordered in writing by the Engineer. The volume of any unstable and/or unsuitable material removed within the structure excavation will be measured for payment in cubic yards (cubic meters).

Revise the last paragraph of 502.12(b) to read as follows.

Cofferdam excavation will be measured for payment in cubic yards (cubic meters) in its original position within the cofferdam. Unless otherwise shown on the plans, the horizontal dimensions used in computing the volume will not extend beyond vertical planes 2 ft (600 mm) outside of the edges of the substructure footings or 4 ft (1.2 m) outside of the faces of the substructure stem wall, whichever is greater. The vertical dimensions will be the average depth from the surface of the material to be excavated to the elevation shown on the plans for bottom of the footing, stem wall, or seal coat, or as otherwise determined by the Engineer as the bottom of the excavation.

Revise the first sentence of the sixth paragraph of 502.13 to read as follows.

Cofferdams, when specified, will be paid for at the contract unit price per each for COFFERDAM (TYPE 1) or COFFERDAM (TYPE 2), at the locations specified.

Added 10/26/2016