February 29, 2012

SUBJECT: FAP Route 95 (IL 33)

Project F-0095 (054)

Section (5, 6)Y, RS -2, 6BR-7

Jasper County Contract No. 94437

Item No. 133, March 9, 2012 Letting

Addendum A

### NOTICE TO PROSPECTIVE BIDDERS:

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

- Replaced the Schedule of Prices.
- 2. Revised sheets 2, 4, 5, 6, and 7 of the Plans
- 3. Added sheets 273A 273L to the Plans.
- 4. Added pages iv and 199 to the Special Provisions.
- 5. Revised pages 2, 3, and 5 of 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,

John D. Baranzelli, P. E. Acting Engineer of Design and Environment

By: Ted B. Walschleger, P. E.

Ted Daluklye DE.

**Engineer of Project Management** 

cc: Roger Driskell, Region 4, District 7; Mike Renner; D.Carl Puzey; Estimates

TBW:DB:ks

State Job # - C-97-041-01

PPS NBR - 7-76840-0100

County Name - JASPER- -

Code - 79 - -

District - 7 - -

Section Number - (5,6)Y,RS-2,6BR-7

Project Number

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Route

**FAP 95** 

\* REVISED: FEBRUARY 23, 2012

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
A2000716	T-ACER PLAT COL 2	EACH	11.000				
A2001020	T-ACER RUBRM 2-1/2	EACH	2.000				
A2006920	T-QUERCUS PALUS 2-1/2	EACH	2.000				
D2002984	E-PINUS STROBUS 7'	EACH	1.000				
K0012950	HERBICIDE SPRAYING	ACRE	5.100				
X0322936	REMOV EX FLAR END SEC	EACH	10.000				
X0323265	REMOVE EXIST RIPRAP	SQ YD	621.000				
X2070304	POROUS GRAN EMB SPEC	CU YD	233.000				
X2111000	TOPSOIL EXCAVATION	CU YD	55,670.000				
X2111110	TOPSOIL PLACEMENT	CU YD	29,697.000				
X2501810	SEEDING CL 5 SPL	ACRE	5.100				
X4021000	TEMP ACCESS- PRIV ENT	EACH	18.000				
X4022000	TEMP ACCESS- COM ENT	EACH	29.000				
X4023000	TEMP ACCESS- ROAD	EACH	31.000				
X4401198	HMA SURF REM VAR DP	SQ YD	4,252.000				

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ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X4404400	PAVT REMOVAL SPL	SQ YD	9,613.000				
X6660100	FUR ROW MARKERS SPL	EACH	18.000				
*REV X7010202	TC-PROT 701321 SPL	EACH	3.000				
X7010218	TRAF CONT & PROT SPL	EACH	1.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0014700	CULVERT TO BE CLEANED	EACH	1.000				
Z0022800	FENCE REMOVAL	FOOT	1,608.000				
Z0023600	FILL EXIST CULVERTS	EACH	13.000				
*ADD Z0023602	GRAN CULVERT BACKFILL	CU YD	370.000				
Z0026407	TEMP SHT PILING	SQ FT	630.000				
*REV Z0030240	IMP ATTN TEMP NRD TL2	EACH	8.000				
*REV Z0030340	IMP ATTN REL NRD TL2	EACH	8.000				
Z0046304	P UNDR FOR STRUCT 4	FOOT	161.000				
Z0048665	RR PROT LIABILITY INS	L SUM	1.000				
Z0054505	ROCK FILL - REPLACE	TON	103.000				

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ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
*REV Z0073002	TEMP SOIL RETEN SYSTM	SQ FT	757.000				
Z0076600	TRAINEES	HOUR	1,000.000		0.800		800.000
20100110	TREE REMOV 6-15	UNIT	283.000				
20100210	TREE REMOV OVER 15	UNIT	188.000				
20200100	EARTH EXCAVATION	CU YD	84,951.000				
20201200	REM & DISP UNS MATL	CU YD	2,778.000				
20400800	FURNISHED EXCAVATION	CU YD	356.000				
20800150	TRENCH BACKFILL	CU YD	2,444.000				
21400100	GRADING & SHAP DITCH	FOOT	2,833.000				
25000100	SEEDING CL 1	ACRE	6.500				
25000200	SEEDING CL 2	ACRE	91.500				
25000400	NITROGEN FERT NUTR	POUND	9,265.000				
25000500	PHOSPHORUS FERT NUTR	POUND	9,265.000				
25000600	POTASSIUM FERT NUTR	POUND	9,265.000				
25000700	AGR GROUND LIMESTONE	TON	207.200				

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ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
25100115	MULCH METHOD 2	ACRE	98.000				
25100635	HD EROS CONTR BLANKET	SQ YD	3,426.000				
25100900	TURF REINF MAT	SQ YD	5,027.000				
28000250	TEMP EROS CONTR SEED	POUND	29,760.000				
28000305	TEMP DITCH CHECKS	FOOT	1,820.000				
28000400	PERIMETER EROS BAR	FOOT	4,232.000				
28000500	INLET & PIPE PROTECT	EACH	210.000				
28100103	STONE RIPRAP CL A2	SQ YD	232.000				
28100107	STONE RIPRAP CL A4	SQ YD	2,918.000				
*ADD 28100707	STONE DUMP RIP CL A4	SQ YD	125.000				
*REV 28200200	FILTER FABRIC	SQ YD	3,043.000				
30200650		SQ YD	18,721.000				
30201500		TON	433.000				
35101400		TON	589.000				
35102000		SQ YD	6,217.000				

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ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
35501316	HMA BASE CSE 8	SQ YD	15,589.000				
35501332	HMA BASE CSE 12	SQ YD	3,544.000				
*ADD 35600716	HMA BC WID 10	SQ YD	158.000				
40200800	AGG SURF CSE B	TON	1,198.000				
40300100	BIT MATLS PR CT	GALLON	1,523.000				
40300300	BIT MATLS C&S CT	GALLON	4,547.000				
40300500	COVER COAT AGG	TON	65.000				
40300600	SEAL COAT AGG	TON	127.000				
40600100	BIT MATLS PR CT	GALLON	16,190.000				
40600300	AGG PR CT	TON	326.000				
40600635	LEV BIND MM N70	TON	2,765.000				
40600895	CONSTRUC TEST STRIP	EACH	1.000				
40600982	HMA SURF REM BUTT JT	SQ YD	433.000				
40600990	TEMPORARY RAMP	SQ YD	121.000				
40603085	HMA BC IL-19.0 N70	TON	1,092.000				

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ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
40603315	HMA SC "C" N70	TON	72.000				
40603340	HMA SC "D" N70	TON	17,794.000				
40701951	HMA PAVT FD 13 1/2	SQ YD	3,026.000				
40800050	INCIDENTAL HMA SURF	TON	1,089.000				
42000200	PCC PVT 7	SQ YD	1,373.000				
42000300	PCC PVT 8	SQ YD	1,184.000				
42001165	BR APPR PAVT	SQ YD	278.000				
42001200	PAVEMENT FABRIC	SQ YD	2,244.000				
42001430	BR APPR PVT CON (FLX)	SQ YD	56.000				
42300200	PCC DRIVEWAY PAVT 6	SQ YD	415.000				
42300400	PCC DRIVEWAY PAVT 8	SQ YD	2,503.000				
42300600	PCC DRIVEWAY PAVT 10	SQ YD	1,060.000				
42400100	PC CONC SIDEWALK 4	SQ FT	20,280.000				
42400800	DETECTABLE WARNINGS	SQ FT	200.000				
44000100	PAVEMENT REM	SQ YD	5,618.000				

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ltem Number	Pay Item Description	Unit of Measure	Quantity	X	Unit Price	=	Total Price
44000200	DRIVE PAVEMENT REM	SQ YD	2,157.000				
44000500	COMB CURB GUTTER REM	FOOT	489.000				
44000600	SIDEWALK REM	SQ FT	1,676.000				
44003100	MEDIAN REMOVAL	SQ FT	77.000				
44004250	PAVED SHLD REMOVAL	SQ YD	15.000				
*REV 44200168	PAVT PATCH T2 14	SQ YD	380.000				
*REV 44200172	PAVT PATCH T3 14	SQ YD	33.000				
*REV 44200174	PAVT PATCH T4 14	SQ YD	126.000				
*REV 44201815	CL D PATCH T2 14	SQ YD	300.000				
*REV 44201819	CL D PATCH T3 14	SQ YD	300.000				
*REV 44201821	CL D PATCH T4 14	SQ YD	450.000				
48101200	AGGREGATE SHLDS B	TON	64.000				
48101500	AGGREGATE SHLDS B 6	SQ YD	58,999.000				
48203023	HMA SHOULDERS 6 1/2	SQ YD	33,983.000				
48203029	HMA SHOULDERS 8	SQ YD	3,857.000				

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ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
48203037	HMA SHOULDERS 10	SQ YD	716.000				
50100100	REM EXIST STRUCT	EACH	1.000				
50100300	REM EXIST STRUCT N1	EACH	1.000				
50100400	REM EXIST STRUCT N2	EACH	1.000				
50100500	REM EXIST STRUCT N3	EACH	1.000				
50100600	REM EXIST STRUCT N4	EACH	1.000				
50100700	REM EXIST STRUCT N5	EACH	1.000				
50100800	REM EXIST STRUCT N6	EACH	1.000				
50101000	REM EXIST STRUCT N8	EACH	1.000				
50101100	REM EXIST STRUCT N9	EACH	1.000				
50101300	REM EXIST STRUCT N11	EACH	1.000				
50101400	REM EXIST STRUCT N12	EACH	1.000				
50101410	REM EXIST STRUCT N13	EACH	1.000				
	REM EXIST STRUCT N14	EACH	1.000				
50101420	REM EXIST STRUCT N15	EACH	1.000				

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50101421	REM EXIST STRUCT N16	EACH	1.000				
50101422	REM EXIST STRUCT N17	EACH	1.000				
50101423	REM EXIST STRUCT N18	EACH	1.000				
50101424	REM EXIST STRUCT N19	EACH	1.000				
50101425	REM EXIST STRUCT N20	EACH	1.000				
50101426	REM EXIST STRUCT N21	EACH	1.000				
*ADD 50101427	REM EXIST STRUCT N22	EACH	1.000				
50102400	CONC REM	CU YD	11.700				
50104400	CONC HDWL REM	EACH	7.000				
50105220	PIPE CULVERT REMOV	FOOT	3,183.000				
50200100	STRUCTURE EXCAVATION	CU YD	500.000				
*ADD 50200400	ROCK EXC STRUCT	CU YD	93.000				
50200450	REM/DISP UNS MATL-STR	CU YD	51.000				
50300100	FLOOR DRAINS	EACH	10.000				
50300225	CONC STRUCT	CU YD	39.600				

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ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
50300255	CONC SUP-STR	CU YD	147.900				
50300260	BR DECK GROOVING	SQ YD	381.000				
50300300	PROTECTIVE COAT	SQ YD	477.000				
50500105	F & E STRUCT STEEL	L SUM	1.000				
50500505	STUD SHEAR CONNECTORS	EACH	1,827.000				
50800105	REINFORCEMENT BARS	POUND	52,574.000				
50800205	REINF BARS, EPOXY CTD	POUND	32,580.000				
50800515	BAR SPLICERS	EACH	419.000				
51201600	FUR STL PILE HP12X53	FOOT	871.000				
51202305	DRIVING PILES	FOOT	871.000				
51203600	TEST PILE ST HP12X53	EACH	1.000				
51204650	PILE SHOES	EACH	14.000				
51500100	NAME PLATES	EACH	2.000				
*ADD 54000175	BOX CUL END SEC C75	EACH	2.000				
54001001	BOX CUL END SEC C1	EACH	2.000				

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ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
54001004	BOX CUL END SEC C4	EACH	2.000				
54001007	BOX CUL END SEC C7	EACH	2.000				
54001009	BOX CUL END SEC C9	EACH	2.000				
54001011	BOX CUL END SEC C11	EACH	2.000				
54001016	BOX CUL END SEC C16	EACH	2.000				
54001043	BOX CUL END SEC C43	EACH	2.000				
54001044	BOX CUL END SEC C44	EACH	2.000				
54002020	EXPAN BOLTS 3/4	EACH	288.000				
54003000	CONC BOX CUL	CU YD	213.200				
54010202	PCBC 2X2	FOOT	54.000				
54010302	PCBC 3X2	FOOT	235.000				
54010402	PCBC 4X2	FOOT	76.000				
*ADD 54011208	PCBC 12X8	FOOT	60.000				
	P CUL CL A 1 15	FOOT	364.000				
542A0223	P CUL CL A 1 18	FOOT	134.000				

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542A0229	P CUL CL A 1 24	FOOT	1,296.000				
542A0235	P CUL CL A 1 30	FOOT	84.000				
542A0253	P CUL CL A 1 48	FOOT	48.000				
542A1063	P CUL CL A 2 18	FOOT	96.000				
542A5473	P CUL CL A 1 EQRS 18	FOOT	46.000				
542A5479	P CUL CL A 1 EQRS 24	FOOT	612.000				
542A5485	P CUL CL A 1 EQRS 30	FOOT	44.000				
542A5491	P CUL CL A 1 EQRS 36	FOOT	260.000				
542D0217	P CUL CL D 1 12	FOOT	40.000				
542D0220	P CUL CL D 1 15	FOOT	264.000				
542D0223	P CUL CL D 1 18	FOOT	376.000				
542D0229	P CUL CL D 1 24	FOOT	376.000				
542D5479	P CUL CL D 1 EQRS 24	FOOT	152.000				
542JA012	P CUL CL A 12 JKD	FOOT	77.000				
542JA024	P CUL CL A 24 JKD	FOOT	364.000				

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ltem Number	Pay Item Description	Unit of Measure	Quantity	х	Unit Price	=	Total Price
*ADD 5421D018	P CUL CL D 1 18 TEMP	FOOT	85.000				
54213450	END SECTIONS 15	EACH	14.000				
54213453	END SECTIONS 18	EACH	14.000				
54213459	END SECTIONS 24	EACH	17.000				
54213657	PRC FLAR END SEC 12	EACH	4.000				
54213660	PRC FLAR END SEC 15	EACH	17.000				
54213663	PRC FLAR END SEC 18	EACH	4.000				
54213669	PRC FLAR END SEC 24	EACH	42.000				
54213675	PRC FLAR END SEC 30	EACH	4.000				
54213681	PRC FLAR END SEC 36	EACH	1.000				
54213693	PRC FLAR END SEC 48	EACH	2.000				
54214299	END SEC EQV R-S 24	EACH	2.000				
54214503	PRC FL END S EQ RS 18	EACH	2.000				
54214509	PRC FL END S EQ RS 24	EACH	20.000				
54214515	PRC FL END S EQ RS 30	EACH	2.000				

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54214521	PRC FL END S EQ RS 36	EACH	6.000				
*ADD 54215553	MET END SEC 18	EACH	2.000				
54216555	R C PIPE TEE 15P 15R	EACH	1.000				
54216580	R C PIPE TEE 30P 15R	EACH	1.000				
54216597	R C PIPE TEE 36P 15R	EACH	1.000				
54247150	GRATING-C FL END S 30	EACH	2.000				
54247190	GRATING-C FL END S 48	EACH	2.000				
54248160	GRT-C FL END S EQV 36	EACH	4.000				
54248510	CONCRETE COLLAR	CU YD	5.600				
550A0050	STORM SEW CL A 1 12	FOOT	400.000				
550A0070	STORM SEW CL A 1 15	FOOT	2,063.000				
550A0090	STORM SEW CL A 1 18	FOOT	209.000				
	STORM SEW CL A 1 24	FOOT	671.000				
	STORM SEW CL A 2 15	FOOT	327.000				
	STORM SEW CL A 2 18	FOOT	250.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	X	Unit Price	=	Total Price
550A0410	STORM SEW CL A 2 24	FOOT	1,482.000				
550A0430	STORM SEW CL A 2 30	FOOT	122.000				
550A0450	STORM SEW CL A 2 36	FOOT	481.000				
550A2330	SS RG CL A 1 15	FOOT	233.000				
550A2340	SS RG CL A 1 18	FOOT	265.000				
550A2540	SS RG CL A 2 18	FOOT	235.000				
550A2560	SS RG CL A 2 24	FOOT	250.000				
55100500	STORM SEWER REM 12	FOOT	40.000				
55100700	STORM SEWER REM 15	FOOT	647.000				
55100900	STORM SEWER REM 18	FOOT	263.000				
59100100	GEOCOMPOSITE WALL DR	SQ YD	81.000				
60100915		FOOT	50.000				
60218400		EACH	3,000				
60218500		EACH	5.000				
60219000		EACH	7.000				

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ltem Number	Pay Item Description	Unit of Measure	Quantity	х	Unit Price	=	Total Price
60221200	MAN TA 5 DIA T3F&G	EACH	6.000				
60221700	MAN TA 5 DIA T8G	EACH	18.000				
60223810	MAN TA 6 DIA T3F&G	EACH	2.000				
60224005	MAN TA 6 DIA T8G	EACH	4.000				
60235300	INLETS TA T1F CL	EACH	1.000				
60235700	INLETS TA T3F&G	EACH	19.000				
60236200	INLETS TA T8G	EACH	15.000				
60240220	INLETS TB T3F&G	EACH	32.000				
60240301	INLETS TB T8G	EACH	2.000				
60260100	INLETS ADJUST	EACH	2.000				
60500040	REMOV MANHOLES	EACH	3.000				
60500060	REMOV INLETS	EACH	4.000				
60605000	COMB CC&G TB6.24	FOOT	10,543.000				
60608600	COMB CC&G TM6.06	FOOT	47.000				
60610400	COMB CC&G TM6.24	FOOT	65.000				

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60618300	CONC MEDIAN SURF 4	SQ FT	398.000				
63000001	SPBGR TY A 6FT POSTS	FOOT	850.000				
63100045	TRAF BAR TERM T2	EACH	2.000				
63100085	TRAF BAR TERM T6	EACH	4.000				
63100167	TR BAR TRM T1 SPL TAN	EACH	4.000				
63200310	GUARDRAIL REMOV	FOOT	4,690.000				
63300725	SPBGR (SHORT RADIUS)	FOOT	75.000				
63301210	REM RE-E SPBGR TY A	FOOT	223.000				
63500105	DELINEATORS	EACH	17.000				
66500105	WOV W FENCE 4	FOOT	420.000				
66600105	FUR ERECT ROW MARKERS	EACH	144.000				
66700205	PERM SURV MKRS T1	EACH	41.000				
66700305	PERM SURV MKRS T2	EACH	4.000				
67000400	ENGR FIELD OFFICE A	CAL MO	24.000				
67000600	ENGR FIELD LAB	CAL MO	24.000				

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County Name - JASPER- -

Code - 79 - -

District - 7 - -

Section Number - (5,6)Y,RS-2,6BR-7

Project Number F-0095/054/ Route

**FAP 95** 

\* REVISED: FEBRUARY 23, 2012

ltem Number	Pay Item Description	Unit of Measure	Quantity	X	Unit Price	=	Total Price
67100100	MOBILIZATION	L SUM	1.000				
70100450	TRAF CONT-PROT 701201	L SUM	1.000				
70100460	TRAF CONT-PROT 701306	L SUM	1.000				
70100500	TRAF CONT-PROT 701326	L SUM	1.000				
70101830	TRAF CONT-PROT BLR 21	L SUM	1.000				
70102620	TR CONT & PROT 701501	L SUM	1.000				
70103815	TR CONT SURVEILLANCE	CAL DA	30.000				
*REV 70106500	TEMP BR TRAF SIGNALS	EACH	3.000				
70300100	SHORT TERM PAVT MKING	FOOT	7,776.000				
70300210	TEMP PVT MK LTR & SYM	SQ FT	123.600				
70300220	TEMP PVT MK LINE 4	FOOT	461,638.000				
70300240	TEMP PVT MK LINE 6	FOOT	1,836.000				
70300250	TEMP PVT MK LINE 8	FOOT	618.000				
70300260	TEMP PVT MK LINE 12	FOOT	4,404.000				
70300280	TEMP PVT MK LINE 24	FOOT	1,389.000				

\* REVISED: FEBRUARY 23, 2012

State Job # - C-97-041-01

PPS NBR - 7-76840-0100

JASPER--

Code - 79 - -

County Name -

District - 7 - -

Section Number - (5,6)Y,RS-2,6BR-7

**Project Number** 

F-0095/054/

Route

ltem Number	Pay Item Description	Unit of Measure	Quantity	х	Unit Price	=	Total Price
70301000	WORK ZONE PAVT MK REM	SQ FT	16,029.000				
*REV 70400100	TEMP CONC BARRIER	FOOT	1,337.500				
*REV 70400200	REL TEMP CONC BARRIER	FOOT	1,337.500				
70500500	TEMP SPBGR ATT TO STR	FOOT	12.000				
72000100	SIGN PANEL T1	SQ FT	90.000				
72800100	TELES STL SIN SUPPORT	FOOT	150.000				
78000400	THPL PVT MK LINE 6	FOOT	282.000				
78000650	THPL PVT MK LINE 24	FOOT	162.000				
78001110	PAINT PVT MK LINE 4	FOOT	136,197.000				
78001180	PAINT PVT MK LINE 24	FOOT	90.000				
78005100	EPOXY PVT MK LTR-SYM	SQ FT	123.600				
78005110	EPOXY PVT MK LINE 4	FOOT	12,774.000				
78005130	EPOXY PVT MK LINE 6	FOOT	330.000				
78005140	EPOXY PVT MK LINE 8	FOOT	206.000				
78005150	EPOXY PVT MK LINE 12	FOOT	1,468.000				

State Job # - C-97-041-01

 PPS NBR 7-76840-0100
 Project Number
 Route

County Name - JASPER- - F-0095/054/ FAP 95

Code - 79 - -

District - 7 - - \* REVISED: FEBRUARY 23, 2012

**Section Number - (5,6)Y,RS-2,6BR-7** 

Item Number	Pay Item Description	Unit of Measure	Quantity	х	Unit Price	=	Total Price
78005180	EPOXY PVT MK LINE 24	FOOT	135.000				
78100100	RAISED REFL PAVT MKR	EACH	937.000				
78200410	GUARDRAIL MKR TYPE A	EACH	16.000				
78200520	BAR WALL MKR TYPE B	EACH	2.000				
78201000	TERMINAL MARKER - DA	EACH	4.000				

	FAP Route 95 (IL 33
	Project F-0095 (054
	Section (5,6)Y,RS-2,6BR-7
	Jasper County
	Contract No. 9443
REMOVAL OF EXISTING STRUCTURE NO. 22	199
GRANULAR CULVERT BACKFILL	199

Added 2/29/2012

Traffic Control shall be in accordance with the traffic control standards and stage construction drawings in the plans except as follows:

Milling, patching, and resurfacing shall be confined to one lane of pavement and immediate adjacent shoulder at a time.

Open holes or trenches will not be permitted on both sides of the road during shoulder/widening operations.

The existing side roads/streets and IL Route 33 shall be kept open to traffic at all times except when the actual construction operations require closing a portion of the roadway. At no time shall more than one lane of the existing pavement be closed. Two-way traffic shall be provided during non-working hours, except for the construction of the bridge replacement at the West Fork of Big Muddy and the temporary closure of Museum Drive **and Hutton Road** in Newton.

Entrances shall be kept open to traffic at all times with a minimum of one half width.

Post-mounted ROAD CONSTRUCTION AHEAD signs shall be installed on all intersecting public road and street approaches in advance of the work area. The cost of the ROAD CONSTRUCTION AHEAD signs shall be included in the contract unit price per LUMP SUM for TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 and 701501, which price shall include both installation and removal.

The maximum allowable differential in elevation between adjacent traffic lanes shall be (2 inches).

Traffic Control Standards shall be applied as directed by the Engineers. Suggested applications for each standard or details are as follows:

<u>Standard 701001:</u> This standard shall apply when at all times, day or night, all vehicles, equipment, workers, or their activities are more than 15' from the edge of the pavement. This item shall not be paid for separately, but shall be included in the cost of the pay items involved.

<u>Standard 701006:</u> This standard shall apply when at all times, all vehicles, equipment, workers, or their activities will encroach in the area from 15' to the edge of the pavement. This item shall not be paid for separately, but shall be included in the cost of the pay items involved.

<u>Standard 701011:</u> This standard shall apply when at all times, all vehicles, equipment, workers, or their activities will require an intermittent or continuous moving operation on the shoulder. Typical application would be seeding and sign installation and maintenance. This item shall not be paid for separately, but shall be included in the cost of the pay items involved.

<u>Standard 701201:</u> This standard shall apply when at any time, any vehicle, equipment, workers or their activities will encroach in the area between the center line and a line 24" outside the edge of pavement during day time hours. Typical applications would be culvert extensions in the rural section and patching. This traffic control and protection standard shall be paid for at the contract unit price per LUMP SUM for TRAFFIC CONTROL AND PROTECTION, STANDARD 701201.

Revised 2/29/2012

<u>Standard 701301:</u> This standard shall apply when short term work operations are being preformed. This item shall not be paid for separately, but shall be included in the cost of the pay items involved.

<u>Standard 701306:</u> This standard shall be used for milling, resurfacing, and shoulder operations in the rural section. During resurfacing of the pavement at sideroad intersections, the Contractor shall provide a flagger for the sideroad traffic until the operation has passed through the intersection. This traffic control and protection will be paid for at the contract unit price per LUMP SUM for TRAFFIC CONTROL AND PROTECTION, STANDARD 701306.

<u>Standard 701311:</u> This standard shall apply when any vehicle, equipment, workers or their activities will require a continuous moving operation where the average speed is greater than 3 mph. This standard shall be applicable for installing pavement marking. This item shall not be paid for separately, but shall be included in the cost of the pay items involved.

Standard 701321 (Special): Traffic Control and Protection Standard 701321 shall apply for the bridge replacement at the West Fork of Big Muddy and for the culvert replacements at Bogota Road and Hutton Road in Newton. Traffic Control and Protection 701321 shall be applied in accordance with the special detail included in the plans, all applicable portions of Division 700 of the Standard Specifications, the Special Provisions, and as directed by the Engineer. This Standard shall be applied to the Contractor's operations for stage construction as specified in the plans.

In addition to the requirements of Traffic Control and Protection 701321 and Division 700 of the Standard Specifications, the following requirements shall apply:

Two-way traffic shall be provided at night except where 701321 (Special) is applied. Placement of the temporary concrete barriers shall be pursued continuously until the installation is completed.

Temporary pavement marking shall be constructed from stop bar to stop bar. The cost of Temporary Pavement Marking shall be included in the cost of Traffic Control and Protection 701321 (Special).

The cost of furnishing, installing, and maintaining Traffic Control and Protection 701321 as detailed in the plans and Special Provisions, shall be paid for at the contract unit price EACH for TRAFFIC CONTROL AND PROTECTION 701321 (SPECIAL), which price shall include all induction loop detectors, drums, panels, stop bars; signs, and other items required except as provided herein:

- 1. Temporary Concrete Barrier will be measured and paid for according to Division 700.
- 2. Traffic Control Surveillance will be paid for according to Division 700.
- 3. Temporary Ramps will be measured and paid for according to Division 400.
- 4. Sand module impact attenuators shall be paid for according to Division 700.
- 5. Temporary Bridge Traffic Signals shall be paid for according to Division 700.

The Engineer shall approve the exact locations of all proposed signs and barricades prior to installation. Installation shall be in accordance with Standard 702001.

<u>Bridge Width Restriction Signs:</u> The contractor shall provide and install the following signs to advise motorists of the width restriction created by the stage construction bridge work.

<u>Standard 701501:</u> This Standard shall be used for any urban lane closures required for the installation of storm sewer across the existing pavement, pavement removal, widening construction, curb and gutter construction, side street approach construction, lane closures, all resurfacing operations, breaking out and patching of the existing two-lane pavement, and other applicable operations as determined by the Engineer. Both lanes shall be open to traffic at night. No open holes, broken pavement or partially filled holes shall remain overnight, except for conditions beyond the Contractor's control.

In addition to the requirements of Standard 701501, the following requirements shall apply:

- The length of the area of one-lane traffic controlled by flaggers shall not exceed 1,000'.
- Successive areas controlled by flaggers shall be separated by a minimum length of 500' where both lanes are available for traffic movement.
- Flaggers shall be required at all times while barricades are on the pavement, regardless
  of whether other workers are present.
- During resurfacing of the pavement at sideroad intersections, the Contractor shall provide a flagger for the sideroad traffic until the operation has passed through the intersection.
- Three additional barricades shall be placed at each location of a patch (open holes or broken pavement area). Two barricades in advance of and one behind the patch.

Basis of Payment: This work will be paid for at the contract unit price per LUMP SUM for TRAFFIC CONTROL AND PROTECTION, STANDARD 701501, at locations specified by the Engineer which price shall include the additional requirements listed above.

<u>Standard BLR-21:</u> This standard is to be used for the road closure of Bogota Road **and Hutton Road**. This standard shall be used according to the applicable portions of standard BLR 21 and as detailed in the plans. This standard shall include a ROAD CONSTRUCTION AHEAD "W20-01-4848" sign as shown in the plans.

The work will be paid for at the contract LUMP SUM price for TRAFFIC CONTROL AND PROTECTION STANDARD BLR 21, which price shall include all labor, equipment, and materials necessary to perform the work as specified.

### AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS

Effective: April 1, 2001; Rev. March 22, 2007

Revise Article 402.10 of the Standard Specifications to read:

"402.10 for Temporary Access. The Contractor shall construct and maintain aggregate surface course for temporary access to private entrances, commercial entrances and roads according to Article 402.07 and as directed by the Engineer.

The aggregate surface course shall be constructed to the dimensions and grades specified below, except as modified by the plans or as directed by the Engineer.

### **REMOVAL OF EXISTING STRUCTURE NO. 22**

This work shall be completed in accordance with all applicable articles of Section 501 of the Standard Specifications for Road and Bridge Construction. The structure to be removed is located at Station 1271+64. The structure consists of a 60 foot (12'-6" x 7'-6") reinforced concrete box culvert with reinforced concrete headwalls, wingwalls, and fence at each end.

This work will be paid for at the contract unit price per EACH for REMOVAL OF EXISTING STRUCTURE NO. 22, which said price shall be payment in full for the complete removal and disposal of the specified structure, including the chain link fence on the headwalls and wingwalls, to the satisfaction of the engineer.

### **GRANULAR CULVERT BACKFILL**

April 2010

This work consists of backfilling box culverts or three-sided structures with granular materials. This work shall be performed at locations shown on the plans or as directed by the Engineer.

Backfilling shall be performed according to Article 502.10 of the Standard Specifications for Road and Bridge Construction, adopted January 1, 2007. The backfill material shall meet the requirements of Article 1004.05, except the gradation shall be CA06 or CA10, and the material shall be crushed.

Granular Culvert Backfill will be measured for payment in cubic yards compacted in place. Additional material required to backfill excavation outside the limits shown on the plans will not be measured for payment. This work shall be paid for at the contract unit price per cubic yard for GRANULAR CULVERT BACKFILL.

Added 2/29/2012