



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

June 8, 2011

SUBJECT: FAP Route 734 (IL 2)
Project ACF-0734 (044)
Section 77-2-2 & 77-2B-1
Winnebago County
Contract No. 64813
Item No. 213, June 17, 2011 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. Replaced the Schedule of Prices.
2. Revised the Table of Contents to the Special Provisions.
3. Revised pages 9, 22, 27, 31 & 32 of the Special Provisions.
4. Added pages 140 - 144 to the Special Provisions.
5. Revised sheets 1, 4, 6, 13, 16, 17, 36, 39, 77, 173, 194, 215, 273, 274, 292, 294-296, 299, 300, 368 & 370 of the Plans.

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,

Scott E. Stitt, P.E.
Acting Engineer of Design and Environment

A handwritten signature in cursive script, reading "Ted B. Walschleger P.E." with a small "P.E." to the right.

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

cc: Eric Therkildsen, Region 2, District 2; Mike Renner; D. Carl Puzey;
Estimates

TBW:MS:jc

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO - -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
A2000410	T-ACER NIGRUM 1-1/4	EACH	45.000				
A2001714	T-ACER SACR 1-3/4	EACH	25.000				
A2002914	T-CELTIS OCCID 1-3/4	EACH	215.000				
A2005614	T-OSTRYA VIRG 1-3/4	EACH	25.000				
A2005814	T-PLATANUS OCC 1-3/4	EACH	70.000				
A2006514	T-QUERCUS BICOL 1-3/4	EACH	405.000				
A2006714	T-QUERCUS MACR 1-3/4	EACH	380.000				
A2007114	T-QUERCUS RUBRA 1-3/4	EACH	100.000				
A2007814	T-TILIA AMER 1-3/4	EACH	25.000				
B2000562	T-AMELAN CAN SF 4'	EACH	50.000				
B2001262	T-CORNUS ALT CL 4'	EACH	50.000				
B2001664	T-CRATAE CRU-I SF 5'	EACH	50.000				
B2002614	T-MALUS ADAM TF 1-3/4	EACH	50.000				
B2005214	T-MALUS SUT TF 1-3/4	EACH	50.000				
C2012836	S-VIBURN TRIL 3'	EACH	100.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO - -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
D2001772	E-PICEA ABIES 6'	EACH	50.000				
XX003163	EM VEH PR SYS	EACH	3.000				
X0300249	REMOV EX GATE	EACH	5.000				
X0322118	REM CON FLAR END SEC	EACH	2.000				
X0322352	SEEDING MOBILIZATION	EACH	10.000				
X0322533	REM EXIST MAA & P	EACH	3.000				
X0322654	GRAD & SHAP MED D CHK	EACH	99.000				
X0323256	REM & REL FLAGPOLE	EACH	1.000				
X0324855	SLOP MET ES W/GR 36	EACH	4.000				
X0325206	RELOC INTERCONT CABLE	FOOT	15.000				
X0325358	SLOP MET ES W/GR 30	EACH	2.000				
X0326711	VIDEO CAMERA CONT SYS	L SUM	1.000				
X0327302	SLP MET ES W/GR 57X38	EACH	2.000				
X0327309	SLP MET ES W/GR 49X35	EACH	8.000				
X0488100	REM EX SEPTIC TANK	EACH	3.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
* X2060310	QUARRY RUN GRAN EMB	CU YD	74,857.000				
X2070304	POROUS GRAN EMB SPEC	CU YD	500.000				
X4060310	HMA SC "C" N50 SPL	TON	591.000				
X4400110	TEMP PAVT REMOVAL	SQ YD	6,753.000				
X4402810	ISLAND SUR REM & REPL	SQ FT	628.000				
*X5121800	PERM STEEL SHT PILING	SQ FT	9,160.000				
X5422105	RC P TEE EQRS 30P 24R	EACH	2.000				
X5422205	RC P WYE EQRS 48P 24R	EACH	1.000				
X6061460	PAVED DITCH SPEC	FOOT	770.000				
X6062700	CONC GUTTER TA SPL	FOOT	810.000				
X6063600	COMB CC&G TM4.24	FOOT	4,899.000				
X6064201	COMB CC&G TM4.06	FOOT	925.500				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X8040102	ELECT SERV INSTALL SP	EACH	3.000				
X8250505	LIGHT CONTROLLER SPL	EACH	3.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X8950305	REMOV EX SIG HEAD	EACH	13.000				
Z0001062	DRAIN FOR AGG BSE CSE	SQ YD	141.000				
Z0005300	BOX CUL TO BE CLEANED	EACH	1.000				
Z0005400	BREAKER-RUN CR STONE	TON	995.000				
Z0007603	BLDG REMOV NO 3	L SUM	1.000				
Z0007605	BLDG REMOV NO 5	L SUM	1.000				
Z0007606	BLDG REMOV NO 6	L SUM	1.000				
Z0007607	BLDG REMOV NO 7	L SUM	1.000				
Z0007608	BLDG REMOV NO 8	L SUM	1.000				
Z0007609	BLDG REMOV NO 9	L SUM	1.000				
Z0007610	BLDG REMOV NO 10	L SUM	1.000				
Z0013300	CONC REM SPEC	SQ YD	1,395.400				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0015580	TREE & DEBRIS REM SPL	UNIT	1.000				
Z0018700	DRAINAGE STR REMOVED	EACH	1.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO - -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
Z0020900	EST-REF LAND SEC MKRS	EACH	8.000				
Z0023600	FILL EXIST CULVERTS	EACH	1.000				
Z0023900	FILL EXIST WELLS	EACH	3.000				
Z0025500	F & I PROPERTY MARKER	EACH	10.000				
Z0033078	CON INS 1 1/4 NON-MET	FOOT	145.000				
Z0033080	CON INS 2 1/2 NON-MET	FOOT	265.000				
Z0033082	CON INS 4 NON-MET	FOOT	1,722.000				
Z0034105	MATL TRANSFER DEVICE	TON	61,712.000				
Z0046304	P UNDR FOR STRUCT 4	FOOT	261.000				
Z0048665	RR PROT LIABILITY INS	L SUM	1.000				
Z0062456	TEMP PAVEMENT	SQ YD	6,753.000				
Z0065100	SETTLEMENT PLATFORMS	EACH	2.000				
Z0074100	TERMINATE DEAD END RD	EACH	6.000				
20100110	TREE REMOV 6-15	UNIT	1,086.000				
20100210	TREE REMOV OVER 15	UNIT	1,563.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO - -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
20100500	TREE REMOV ACRES	ACRE	25.750				
20101000	TEMPORARY FENCE	FOOT	482.000				
20101100	TREE TRUNK PROTECTION	EACH	100.000				
20200100	EARTH EXCAVATION	CU YD	640,431.000				
20200200	ROCK EXCAVATION	CU YD	4,463.000				
* 20201200	REM & DISP UNS MATL	CU YD	68,617.000				
20800150	TRENCH BACKFILL	CU YD	296.000				
21001000	GEOTECH FAB F/GR STAB	SQ YD	12,696.000				
21101625	TOPSOIL F & P 6	SQ YD	307,649.000				
21101645	TOPSOIL F & P 12	SQ YD	107,739.000				
21301052	EXPLOR TRENCH 52	FOOT	400.000				
25000100	SEEDING CL 1	ACRE	8.750				
25000210	SEEDING CL 2A	ACRE	20.000				
25000312	SEEDING CL 4A	ACRE	75.000				
25000320	SEEDING CL 5	ACRE	75.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
25000400	NITROGEN FERT NUTR	POUND	7,718.000				
25000500	PHOSPHORUS FERT NUTR	POUND	7,718.000				
25000600	POTASSIUM FERT NUTR	POUND	7,718.000				
25000750	MOWING	ACRE	66.750				
25100115	MULCH METHOD 2	ACRE	85.750				
25400200	SELECT MOWING STAKES	EACH	500.000				
28000250	TEMP EROS CONTR SEED	POUND	60,025.000				
28000305	TEMP DITCH CHECKS	FOOT	2,288.000				
28000315	AGG DITCH CHECKS	TON	109.000				
28000400	PERIMETER EROS BAR	FOOT	22,218.000				
28000500	INLET & PIPE PROTECT	EACH	103.000				
28100107	STONE RIPRAP CL A4	SQ YD	3,265.000				
28100109	STONE RIPRAP CL A5	SQ YD	5,119.000				
28100111	STONE RIPRAP CL A6	SQ YD	84.000				
28200200	FILTER FABRIC	SQ YD	8,468.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
31100100	SUB GRAN MAT A	TON	126,477.000				
31200100	STAB SUBBASE 4	SQ YD	1,955.000				
35100100	AGG BASE CSE A	TON	48,916.000				
35101400	AGG BASE CSE B	TON	3,923.000				
40200100	AGG SURF CSE A	TON	25.000				
40201000	AGGREGATE-TEMP ACCESS	TON	1,086.000				
40600200	BIT MATLS PR CT	TON	159.000				
40600300	AGG PR CT	TON	436.000				
40600895	CONSTRUC TEST STRIP	EACH	3.000				
40600982	HMA SURF REM BUTT JT	SQ YD	132.500				
40601005	HMA REPL OVER PATCH	TON	196.000				
40603310	HMA SC "C" N50	TON	15,334.000				
40701931	HMA PAVT FD 12 1/2	SQ YD	119,022.000				
40702700	FURNISH PROFILOGRAPH	L SUM	1.000				
40800050	INCIDENTAL HMA SURF	TON	780.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
42000200	PCC PVT 7	SQ YD	1,955.000				
42000410	PCC PVT 9 1/2	SQ YD	3,083.000				
42001165	BR APPR PAVT	SQ YD	533.000				
42001300	PROTECTIVE COAT	SQ YD	16,410.000				
44000100	PAVEMENT REM	SQ YD	55,366.000				
44000200	DRIVE PAVEMENT REM	SQ YD	387.000				
44000400	GUTTER REM	FOOT	2,233.000				
44000500	COMB CURB GUTTER REM	FOOT	37.000				
44002228	HMA RM OV PATCH 7	SQ YD	501.000				
44003100	MEDIAN REMOVAL	SQ FT	28,942.000				
44004250	PAVED SHLD REMOVAL	SQ YD	4,597.000				
44300200	STRIP REF CR CON TR	FOOT	3,454.000				
48100100	AGGREGATE SHLDS A	TON	7,040.000				
48101200	AGGREGATE SHLDS B	TON	601.000				
48102100	AGG WEDGE SHLD TYPE B	TON	197.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO - -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
48203021	HMA SHOULDERS 6	SQ YD	52,610.000				
48203023	HMA SHOULDERS 6 1/2	SQ YD	6,443.000				
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				
50105220	PIPE CULVERT REMOV	FOOT	104.000				
50200100	STRUCTURE EXCAVATION	CU YD	632.000				
50300225	CONC STRUCT	CU YD	91.700				
50300255	CONC SUP-STR	CU YD	401.400				
50300260	BR DECK GROOVING	SQ YD	954.000				
50300300	PROTECTIVE COAT	SQ YD	1,194.000				
50400735	F&E PPC BULB T-BM 63	FOOT	1,559.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
50800105	REINFORCEMENT BARS	POUND	6,098.000				
50800205	REINF BARS, EPOXY CTD	POUND	77,900.000				
50800515	BAR SPLICERS	EACH	156.000				
51200957	FUR M S PILE 12X0.250	FOOT	2,046.000				
51202305	DRIVING PILES	FOOT	2,046.000				
51203200	TEST PILE MET SHELLS	EACH	4.000				
51500100	NAME PLATES	EACH	6.000				
54002020	EXPAN BOLTS 3/4	EACH	6.000				
54003000	CONC BOX CUL	CU YD	31.900				
54010904	PCBC 9X4	FOOT	163.700				
542A0229	P CUL CL A 1 24	FOOT	569.000				
542A0235	P CUL CL A 1 30	FOOT	270.000				
542A0241	P CUL CL A 1 36	FOOT	45.000				
542A0253	P CUL CL A 1 48	FOOT	102.000				
542A1063	P CUL CL A 2 18	FOOT	74.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO - -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
542A1069	P CUL CL A 2 24	FOOT	713.000				
542A1075	P CUL CL A 2 30	FOOT	257.000				
542A1081	P CUL CL A 2 36	FOOT	137.000				
542A1087	P CUL CL A 2 42	FOOT	171.000				
542A5479	P CUL CL A 1 EQRS 24	FOOT	200.000				
542A5491	P CUL CL A 1 EQRS 36	FOOT	84.000				
542A5497	P CUL CL A 1 EQRS 42	FOOT	72.000				
542A5503	P CUL CL A 1 EQRS 48	FOOT	656.000				
542A5509	P CUL CL A 1 EQRS 54	FOOT	8.000				
542A8215	P CUL CL A 2 EQRS 30	FOOT	681.000				
542D0220	P CUL CL D 1 15	FOOT	751.000				
542D0223	P CUL CL D 1 18	FOOT	279.000				
542D0235	P CUL CL D 1 30	FOOT	40.000				
542D0241	P CUL CL D 1 36	FOOT	92.000				
542D1060	P CUL CL D 2 15	FOOT	185.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO - -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
542D5497	P CUL CL D 1 EQRS 42	FOOT	124.000				
542D5503	P CUL CL D 1 EQRS 48	FOOT	42.000				
5421A024	P CUL CL A 1 24 TEMP	FOOT	83.000				
5421D015	P CUL CL D 1 15 TEMP	FOOT	232.000				
54213447	END SECTIONS 12	EACH	4.000				
54213450	END SECTIONS 15	EACH	52.000				
54213453	END SECTIONS 18	EACH	17.000				
54213657	PRC FLAR END SEC 12	EACH	7.000				
54213663	PRC FLAR END SEC 18	EACH	2.000				
54213669	PRC FLAR END SEC 24	EACH	18.000				
54213675	PRC FLAR END SEC 30	EACH	8.000				
54213681	PRC FLAR END SEC 36	EACH	4.000				
54213687	PRC FLAR END SEC 42	EACH	2.000				
54213693	PRC FLAR END SEC 48	EACH	2.000				
54214719	PRCF END S EL EQRS 24	EACH	10.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
54214725	PRCF END S EL EQRS 30	EACH	8.000				
54214731	PRCF END S EL EQRS 36	EACH	4.000				
54214737	PRCF END S EL EQRS 42	EACH	2.000				
54214743	PRCF END S EL EQRS 48	EACH	8.000				
54214959	PRCF END S AR EQRS 54	EACH	1.000				
54217680	R C PIPE TEE 24P 24R	EACH	3.000				
54244405	FL INLT BX MED 542546	EACH	4.000				
54246405	INLET BOX 542531	EACH	16.000				
54247150	GRATING-C FL END S 30	EACH	8.000				
54247170	GRATING-C FL END S 36	EACH	3.000				
54247180	GRATING-C FL END S 42	EACH	2.000				
54247190	GRATING-C FL END S 48	EACH	2.000				
54248170	GRT-C FL END S EQV 42	EACH	5.000				
54248190	GRT-C FL END S EQV 54	EACH	1.000				
54248510	CONCRETE COLLAR	CU YD	5.500				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO - -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
550A0050	STORM SEW CL A 1 12	FOOT	432.000				
550A0070	STORM SEW CL A 1 15	FOOT	599.000				
550A0090	STORM SEW CL A 1 18	FOOT	84.000				
550A0340	STORM SEW CL A 2 12	FOOT	410.000				
59100100	GEOCOMPOSITE WALL DR	SQ YD	244.000				
60100060	CONC HDWL FOR P DRAIN	EACH	181.000				
60100945	PIPE DRAINS 12	FOOT	131.000				
60107600	PIPE UNDERDRAINS 4	FOOT	58,521.000				
60107700	PIPE UNDERDRAINS 6	FOOT	50.000				
60107800	PIPE UNDERDRAINS 8	FOOT	50.000				
60107900	PIPE UNDERDRAINS 10	FOOT	50.000				
60108000	PIPE UNDERDRAINS 12	FOOT	50.000				
60108100	PIPE UNDERDRAIN 4 SP	FOOT	3,395.000				
60221100	MAN TA 5 DIA T1F CL	EACH	2.000				
60223800	MAN TA 6 DIA T1F CL	EACH	1.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
60236200	INLETS TA T8G	EACH	1.000				
60236600	INLETS TA T9F&G	EACH	2.000				
60237470	INLETS TA T24F&G	EACH	8.000				
60240328	INLETS TB T24F&G	EACH	3.000				
60500060	REMOV INLETS	EACH	2.000				
60600095	CLASS SI CONC OUTLET	CU YD	14.100				
60605000	COMB CC&G TB6.24	FOOT	786.500				
60608600	COMB CC&G TM6.06	FOOT	357.500				
60610400	COMB CC&G TM6.24	FOOT	651.000				
60618300	CONC MEDIAN SURF 4	SQ FT	44,914.000				
60622320	CONC MED TSM4.24	SQ FT	25,172.000				
60623200	CONC MED TSM6.24	SQ FT	2,067.000				
60624600	CORRUGATED MED	SQ FT	2,089.000				
60900515	CONC THRUST BLOCKS	EACH	4.000				
61000115	TY E INLET BOX 610001	EACH	2.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
61000225	TY F INLET BOX 610001	EACH	2.000				
61100605	MISC CONCRETE	CU YD	5.000				
61101007	STORM SEW PROT A 6	FOOT	50.000				
61101009	STORM SEW PROT A 8	FOOT	50.000				
61101011	STORM SEW PROT A 10	FOOT	50.000				
61101013	STORM SEW PROT A 12	FOOT	50.000				
61133100	FLD TILE JUN VAULT 2D	EACH	5.000				
63000001	SPBGR TY A 6FT POSTS	FOOT	1,987.500				
63000025	SPBGR ATTACH TO STR	FOOT	25.000				
63100045	TRAF BAR TERM T2	EACH	6.000				
63100070	TRAF BAR TERM T5	EACH	4.000				
63100085	TRAF BAR TERM T6	EACH	4.000				
63100167	TR BAR TRM T1 SPL TAN	EACH	7.000				
63200310	GUARDRAIL REMOV	FOOT	2,651.000				
63301000	REM & REERECT SPBGR	FOOT	87.500				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO - -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
63500105	DELINEATORS	EACH	136.000				
64200105	SHOULDER RUMBLE STRIP	FOOT	40,335.000				
66201120	CONC SHLD CURB	FOOT	40.000				
66400105	CH LK FENCE 4	FOOT	2,029.000				
66406100	CH LK GATES 4X18 DBL	EACH	2.000				
66600105	FUR ERECT ROW MARKERS	EACH	248.000				
66700305	PERM SURV MKRS T2	EACH	6.000				
67000400	ENGR FIELD OFFICE A	CAL MO	24.000				
67100100	MOBILIZATION	L SUM	1.000				
70100200	TRAF CONT-PROT 701331	EACH	1.000				
70100320	TRAF CONT-PROT 701422	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				
70102625	TR CONT & PROT 701606	L SUM	1.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
70103815	TR CONT SURVEILLANCE	CAL DA	90.000				
70106800	CHANGEABLE MESSAGE SN	CAL MO	22.000				
70300100	SHORT TERM PAVT MKING	FOOT	287.000				
70300210	TEMP PVT MK LTR & SYM	SQ FT	515.000				
70300220	TEMP PVT MK LINE 4	FOOT	138,842.000				
70300250	TEMP PVT MK LINE 8	FOOT	426.000				
70300260	TEMP PVT MK LINE 12	FOOT	902.000				
70301000	WORK ZONE PAVT MK REM	SQ FT	30,555.000				
70500100	TEMP SPBGR TY A	FOOT	587.500				
70500615	TEMP TR BAR TERM T1	EACH	3.000				
70500665	TEMP TR BAR TERM T6	EACH	2.000				
72000100	SIGN PANEL T1	SQ FT	858.000				
72000200	SIGN PANEL T2	SQ FT	292.000				
73000100	WOOD SIN SUPPORT	FOOT	2,178.000				
78001110	PAINT PVT MK LINE 4	FOOT	719.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
78004230	PREF PL PM TB INL L6	FOOT	9,019.000				
78008200	POLYUREA PM T1 LTR-SY	SQ FT	2,046.000				
78008210	POLYUREA PM T1 LN 4	FOOT	123,450.000				
78008240	POLYUREA PM T1 LN 8	FOOT	17,540.000				
78008250	POLYUREA PM T1 LN 12	FOOT	5,409.000				
78008270	POLYUREA PM T1 LN 24	FOOT	883.000				
78100100	RAISED REFL PAVT MKR	EACH	714.000				
78100105	RAISED REF PVT MKR BR	EACH	5.000				
78200410	GUARDRAIL MKR TYPE A	EACH	25.000				
78200520	BAR WALL MKR TYPE B	EACH	8.000				
78201000	TERMINAL MARKER - DA	EACH	7.000				
78300100	PAVT MARKING REMOVAL	SQ FT	15,423.000				
78300200	RAISED REF PVT MK REM	EACH	60.000				
81012800	CON T 3 PVC	FOOT	162.000				
81400700	HANDHOLE PCC	EACH	17.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
81400710	HD HANDHOLE PCC	EACH	1.000				
81400720	DBL HANDHOLE PCC	EACH	3.000				
81702110	EC C XLP USE 1C 10	FOOT	6,078.000				
81900200	TR & BKFIL F ELECT WK	FOOT	162.000				
82102250	LUM SV HOR MT 250W	EACH	12.000				
84200600	REM LT U NO SALV	EACH	3.000				
85700300	FAC T5 CAB	EACH	3.000				
86200200	UNINTER POWER SUP STD	EACH	2.000				
87301245	ELCBL C SIGNAL 14 5C	FOOT	8,795.000				
87301255	ELCBL C SIGNAL 14 7C	FOOT	8,863.000				
87301815	ELCBL C SERV 6 3C	FOOT	184.000				
87301900	ELCBL C EGRDC 6 1C	FOOT	2,061.000				
87502470	TS POST GALVS 13	EACH	1.000				
87502490	TS POST GALVS 15	EACH	9.000				
87702970	STL COMB MAA&P 48	EACH	1.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
87702980	STL COMB MAA&P 50	EACH	4.000				
87702985	STL COMB MAA&P 52	EACH	1.000				
87702990	STL COMB MAA&P 54	EACH	2.000				
87703000	STL COMB MAA&P 55	EACH	3.000				
87703030	STL COMB MAA&P 60	EACH	1.000				
87800100	CONC FDN TY A	FOOT	33.000				
87800200	CONC FDN TY D	FOOT	9.000				
87800415	CONC FDN TY E 36D	FOOT	184.000				
87800420	CONC FDN TY E 42D	FOOT	21.000				
87900200	DRILL EX HANDHOLE	EACH	4.000				
88040070	SH P LED 1F 3S BM	EACH	5.000				
88040090	SH P LED 1F 3S MAM	EACH	27.000				
88040150	SH P LED 1F 5S BM	EACH	10.000				
88040160	SH P LED 1F 5S MAM	EACH	27.000				
88200400	TS BACKPLATE F PLAST	EACH	37.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 64813

State Job # - C-92-139-04
 PPS NBR - 2-06700-0100
 County Name - WINNEBAGO - -
 Code - 201 - -
 District - 2 - -
 Section Number - 77-2-2 & 77-2B-1

Project Number
 ACF-0734/044/

Route
 FAP 734

* REVISE : JUNE 6, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
89000100	TEMP TR SIG INSTALL	EACH	1.000				
89502380	REMOV EX HANDHOLE	EACH	3.000				
89502385	REMOV EX CONC FDN	EACH	4.000				
89502400	REM EX FB INSTAL COMP	EACH	1.000				

TABLE OF CONTENTS

LOCATION OF PROJECT 1
 DESCRIPTION OF PROJECT 1
 TRAFFIC CONTROL PLAN 1
 TEMPORARY CONSTRUCTION ACCESS POINTS 6
 COMPLETION DATE 6
 SOIL REPORT AVAILABILITY 7
 PRE-STAGE SITE CONSTRUCTION MEETINGS 7
 NATIONWIDE 404 PERMIT REQUIREMENTS 7
 MAINTENANCE OF ROADWAY 7
 COMPACTION OF POLYMERIZED HOT-MIX ASPHALT CONCRETE 8
 PRE-SPLITTING OF ROCK EXCAVATION 8
 QUARRY RUN GRANULAR EMBANKMENT 9
 ROCK EMBANKMENT 10
 TEMPORARY PAVEMENT 10
 REMOVE EXISTING CULVERTS 10
 REMOVAL OF EXISTING STRUCTURES NO. 1 11
 REMOVAL OF EXISTING STRUCTURES NO. 2 11
 REMOVAL OF EXISTING STRUCTURES NO. 3 11
 REMOVAL OF EXISTING STRUCTURES NO. 4 12
 REMOVAL OF EXISTING STRUCTURES NO. 5 12
 PIPE CULVERT REMOVAL 12
 CONCRETE COLLAR 12
 PIPE CULVERTS, CLASS A, TYPE 1, (TEMPORARY) 13
 PIPE CULVERTS, CLASS D, TYPE 1, (TEMPORARY) 13
 CONCRETE GUTTER, TYPE A (SPECIAL) 13
 PAVED DITCH (SPECIAL) 13
 GRADE AND SHAPE MEDIAN DITCH CHECKS 13
 SEEDING MOBILIZATION 14
 REMOVE EXISTING GATE 14
 FILLING EXISTING CULVERT 14
 REMOVING EXISTING SEPTIC TANKS 15
 REMOVE AND RELOCATE FLAGPOLE 15
 REMOVAL OF LIGHTING UNIT, NO SALVAGE 15
 BOX CULVERTS TO BE CLEANED 16

Revised 06/08/2011

DRAINAGE STRUCTURE TO BE REMOVED 16

FILLING EXISTING WELLS..... 16

ENGINEER’S FIELD OFFICE TYPE A..... 17

FURNISHING AND INSTALLING PROPERTY MARKERS 19

MOWING..... 19

WORK ZONE PAVEMENT MARKING AND REMOVAL..... 19

CONDUIT INSTALLED, 1¼” DIA., 2½” DIA., 4” DIA., NON-METALLIC 19

ELECTRIC SERVICE INSTALLATION SPECIAL20

LIGHTING CONTROLLER SPECIAL 20

FULL-ACTUATED CONTROLLER AND TYPE IV CABINET.....21

ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C..... 21

VIDEO CAMERA CONTROL SYSTEM..... 22

CONCRETE REMOVAL (SPECIAL)..... 27

DRAIN FOR AGGREGATE BASE COURSE 27

SLOPED METAL END SECTIONS WITH GRATE..... 27

HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, SPECIAL..... 28

MATERIAL TRANSFER DEVICE (BDE) 28

BREAKER-RUN CRUSHED STONE..... 29

RAILROAD PROTECTIVE LIABILITY INSURANCE (BDE) 29

REINFORCED CONCRETE WYE EQUIVALENT ROUND SIZE PIPE 30

EMERGENCY VEHICLE PRIORITY SYSTEM..... 31

PIPE UNDERDRAINS FOR STRUCTURES 32

POROUS GRANULAR EMBANKMENT, SPECIAL..... 33

PILING..... 33

FREEZE-THAW AGGREGATES FOR CONCRETE SUPERSTRUCTURES POURED ON GRADE 35

BUILDING REMOVAL - CASE I (NON-FRIABLE AND FRIABLE ASBESTOS ABATEMENT) (BDE) 35

ALKALI-SILICA REACTION FOR CAST-IN-PLACE CONCRETE (BDE) 46

ALKALI-SILICA REACTION FOR PRECAST AND PRECAST PRESTRESSED CONCRETE (BDE) 48

APPROVAL OF PROPOSED BORROW AREAS, USE AREAS, AND/OR WASTE AREAS (BDE) 51

AUTOMATED FLAGGER ASSISTANCE DEVICES (BDE)..... 51

CEMENT (BDE) 53

CONCRETE ADMIXTURES (BDE) 55

CONCRETE MIX DESIGNS (BDE) 57

CONSTRUCTION AIR QUALITY - DIESEL VEHICLE EMISSIONS CONTROL (BDE) 59

CONSTRUCTION AIR QUALITY - IDLING RESTRICTIONS (BDE)..... 60

DETERMINATION OF THICKNESS (BDE)..... 61

Revised 06/08/2011

DIGITAL TERRAIN MODELING FOR EARTHWORK CALCULATIONS (BDE) 70

DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE) 71

EQUIPMENT RENTAL RATES (BDE)..... 79

FRAMES AND GRATES (BDE) 80

FRICTION AGGREGATE (BDE) 80

HMA - HAULING ON PARTIALLY COMPLETED FULL-DEPTH PAVEMENT (BDE) 83

HOT-MIX ASPHALT – ANTI-STRIPPING ADDITIVE (BDE) 84

HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE) 84

HOT-MIX ASPHALT – DROP-OFFS (BDE) 85

HOT-MIX ASPHALT - FINE AGGREGATE (BDE) 85

LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH (BDE)..... 86

LIQUIDATED DAMAGES (BDE)..... 86

METAL HARDWARE CAST INTO CONCRETE (BDE)..... 86

MULCH AND EROSION CONTROL BLANKETS (BDE)..... 87

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM / EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION (BDE) 90

PAVEMENT MARKING REMOVAL (BDE) 91

PAYMENTS TO SUBCONTRACTORS (BDE) 91

PIPE CULVERTS (BDE) 92

POST MOUNTING OF SIGNS (BDE)..... 96

PRECAST CONCRETE HANDLING HOLES (BDE) 96

PUBLIC CONVENIENCE AND SAFETY (BDE) 97

RAISED REFLECTIVE PAVEMENT MARKERS (BDE) 98

RECLAIMED ASPHALT PAVEMENT (RAP) (BDE) 98

SEEDING (BDE) 104

SELF-CONSOLIDATING CONCRETE FOR PRECAST PRODUCTS (BDE)..... 106

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE) 108

TEMPORARY EROSION CONTROL (BDE) 108

TRAFFIC BARRIER TERMINAL, TYPE 6 (BDE) 111

TRAFFIC CONTROL SURVEILLANCE (BDE) 111

UTILITY COORDINATION AND CONFLICTS (BDE)..... 112

BITUMINOUS MATERIALS COST ADJUSTMENTS (BDE) (RETURN FORM WITH BID) 117

FUEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID) 120

STEEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID) 124

STORM WATER POLLUTION PREVENTION PLAN..... 128

IDNR PERMIT 137
HOT MIX ASPHALT - PAY FOR PERFORMANCE USING PERCENT WITHIN LIMITS -JOBSITE
SAMPLING (BMPR)..... 140

Revised 06/08/2011

No additional compensation will be allowed for test holes, drilling extra holes, or for using extra charges of dynamite.

The explosive shall be a 40 per cent extra strength dynamite or other approved explosives that will produce equally satisfactory results. The charges shall be prepared by taping fractional portions of standard explosive cartridges to a length of detonating fuse equal to the depth of the drill holes. Unless otherwise directed, the charges shall be spaced at intervals of approximately 300 mm (12 inches) center-to-center of charges. The size and spacing of the individual charges may be varied, with the approval of the Engineer, to suit subsurface conditions encountered during construction.

After a charge is prepared, it shall be lowered into the hole and stemmed completely with lime dust, passing a 10 mm (3/8 inch) standard sieve. Stemming shall be worked around the taped charges by holding the end of the detonating fuse in the center of the hole and working it up and down. The Contractor, with the Engineer's approval, may place the charges with the aid of a measured loading pole by alternately placing the charges and the stemming material at the required intervals. All loaded holes shall be detonated simultaneously by the use of a trunk line.

The pre-split face shall not deviate more than 150 mm (6 inches) either side of the line of drill holes, except where the character of the formation being pre-split (badly broken rock, vertical seams, etc.) will unavoidably result in irregularities.

The Engineer may order the discontinuance of the pre-splitting operations when the formation is of such character that no apparent advantage is gained.

All primary blasting holes shall be drilled not less than three 900 mm (3 feet) from the pre-split face or at a wider interval, if necessary, to avoid overbreakage.

The cost of pre-splitting will be considered included in the contract unit price bid for ROCK EXCAVATION.

QUARRY RUN GRANULAR EMBANKMENT

Effective: October 26, 2006

Description. This work shall consist of furnishing all labor, materials, and equipment necessary for the construction of a layer of quarry run granular embankment on Illinois Route 2 as shown on the project plans, in accordance with Sections 206 and 210 of the Standard Specifications.

General. The layer is noted as QUARRY RUN GRANULAR EMBANKMENT on the TYPICAL SECTION sheets and varies in thickness from 7.5 feet to 15 feet. The limits are shown in the CROSS SECTION sheets.

Quarry run rock shall have a topsize of not more than 24 inches in any dimension. The rock shall be sufficiently uniformly graded from coarse to fine to produce a layer with minimum voids. The rock shall be secured from a quarry ledge capable of producing Class "D" quality aggregate and shall contain no more than 10% visible seams of soil or clay.

This material shall be placed as shown in the project plans and shall not be placed where piles will be driven.

Revised 06/08/2011

VIDEO CAMERA CONTROL SYSTEM

The following video vehicle detection systems meet the specifications outlined in this section and are currently approved for use in District 2:

Iteris Vantage Edge 2 (4 Camera System)
Autoscope Solo Pro (4 Camera System)

The quantity and type of cable that will be required to complete the installation will vary depending on the equipment manufacturer.

The Contractor shall be responsible for determining the cable type and quantities of cable required for the video detection installations. All cable used shall meet current Department specifications, manufacturer's recommendations, and shall be subject to approval by the Engineer.

The system to be installed shall be the latest model. It shall include four (4) cameras plus one (1) spare to be delivered to the Department of Transportation R2/D2 in Dixon, the processor unit, connectors, software, and all cabling necessary back to the controller. All the equipment shall compatible with the controller to be installed on this project. All equipment shall be installed according to manufacturer's recommendations. The video detection cameras shall be capable of being zoomed and focused from a connection in the controller cabinet.

The video vehicle detection system shall include all necessary cables, electrical junction boxes, electrical and coaxial surge suppression, hardware, software, programming, and any camera brackets that are required for installation. These items should be taken into consideration and shall be included in the bid price 4 camera system and 1 spare camera for the EMERGENCY VEHICLE PRIORITY SYSTEM.

If the unit requires the use of a power strip, the power strip/surge suppressor shall conform to the following minimum specifications:

- Let Through Voltage: <85 Volts
- Operating Voltage: 120VAC, 50/60H
- UL Suppressed Voltage Rating: 330V
- Energy Rating: 320J
- Peak Current NM/CM: 13k Amps NM, 13k Amps CM
- EMI/RFI Noise Filtration: >25-60dB

A total of one 12" black and white or color video monitor and trackball shall be included in the installation, to allow for the setup and monitoring of the video detection system. The monitor shall automatically turn-off or revert to Power Save Mode when not in use.

All vehicle video detection systems shall be equipped with the latest software or firmware revisions.

The video vehicle system shall be configured and installed to NEMA TS1 Standards.

The Contractor shall be responsible for furnishing and installing all necessary camera brackets that are required for the camera installation. The camera mounting brackets shall be of aluminum or steel construction with a natural or white powder coated finish. All brackets shall be submitted to the Department for approval prior to installation. The material and installation shall be completed to the satisfaction of the Engineer.

Revised 06/08/2011

8.1 The supplier of the video detection system shall supervise the installation and testing of the video and video vehicle detection equipment. A factory certified representative from the supplier shall be on-site during installation.

8.2 Training shall be available upon request.

9.0 Warranty, Maintenance, and Support

9.1 The video detection system shall be warranted by its supplier for a minimum of two (2) years from date of turn-on. This warranty shall cover all material defects and shall also provide all parts and labor as well as unlimited technical support.

9.2 Ongoing software support by the supplier shall include updates of the ACU and supervisor software. These updates shall be provided free of charge during the warranty period.

9.3 The supplier shall maintain a program for technical support and software updates following expiration of the warranty period. This program shall be made available to the contracting agency in the form of a separate agreement for continuing support.

Basis of Payment: The above work will be paid for at the contract unit price Each for **VIDEO CAMERA CONTROL SYSTEM** which price will be payment in full for all labor, equipment, and materials required to supply, install, configure, and test the video vehicle detection system described above, complete.

CONCRETE REMOVAL (SPECIAL)

This work shall consist of the removal and disposal of existing concrete structures minimum 2 feet below proposed finish grade in accordance with Section 501 of the Standard Specifications at the location shown on the plans.

This work will be paid for at the contract unit price per square yards for CONCRETE REMOVAL (SPECIAL).

DRAIN FOR AGGREGATE BASE COURSE

This work consists of constructing rock outlets at locations shown on the plans in accordance with District Standard 96.4. This item includes CA 7 gradation aggregate and filter fabric as shown on District Standard 96.4.

This work shall be paid for at the contract unit price per Square Yard for DRAIN FOR AGGREGATE BASE COURSE.

SLOPED METAL END SECTIONS WITH GRATE

This work includes furnishing and installing sloped metal end sections with grate at locations shown on the plans and detailed on District Standard 35.1.

End sections will be paid for at the contract unit price per Each for SLOPED METAL END SECTIONS WITH GRATE of the size specified.

Revised 06/08/2011

EMERGENCY VEHICLE PRIORITY SYSTEM

This work shall be performed in accordance with manufacturer's specifications and with Section 887 of the "Standard Specifications for Road and Bridge Construction".

Emergency Vehicle Priority System shall be compatible with the system in place within the Northwest Fire Protection District. Chief Tom Ragner, (815) 985-3389, of the Northwest Fire Protection District shall be contacted verify that the system is operating properly with the equipment in place on their emergency vehicles.

EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM cost shall include the following items:

1. Light Detector Amplifier

The emergency preemption system shall be the "Tomar/Optronix Optical Preemption System. The light detector amplifier shall be the Tomar 2140 card and backed with a four-channel capacity. The System shall have ID capability with necessary software included so that events can be down loaded to a laptop.

2. Confirmation Beacon

This work shall be performed in accordance with the Manufacturer's specifications and with Section 1072 of the "Standard Specifications for Road and Bridge Construction".

3. Electric Cable In Conduit, Signal No. 20 3c

This item shall be to supply the following electric cable for use with the emergency vehicle priority system.

Cable: the cable shall meet requirements for IPCEA-S-61-402/NEMA WC 5, Section 7.4, 600 volt control cable, 75 degree C, Type B, and following:

The cable shall contain 3 conductors, each of which shall be #20 (7x28) stranded, tinned copper with 25 mil minimum average thickness low density polyethylene insulation. Insulation shall be color coded: 1-yellow, 1-blue, and 1-orange.

The shield shall be aluminized polyester film with a nominal 20% overlap. A #20 (7x28) stranded, tinned, bare drain wire shall be placed between the insulated conductors and shield and in the contact with the conductive surface of the shield.

The jacket shall be black PVC with minimum ratings of 600 volts and 80 degrees C and minimum thickness of 45 mils. The jacket shall be marked as required by IPCEA/NEMA.

The finished outside diameter of the cable shall not exceed 0.335 inch.

The capacitance as measured between any conductor and the other conductors and the shield shall not exceed 40 pico farads per foot at 100 Hz.

This work shall be paid for at the contract unit price per Each for EMERGENCY VEHICLE PRIORITY CONTROL SYSTEM, which price shall be payment in full for furnishing and installing the cable equipment as described above.

Revised 06/08/2011

PIPE UNDERDRAINS FOR STRUCTURES

Effective: May 17, 2000

Revised: January 22, 2010

Description. This work shall consist of furnishing and installing a pipe underdrain system as shown on the plans, as specified herein, and as directed by the Engineer.

Materials. Materials shall meet the requirements as set forth below:

The perforated pipe underdrain shall be according to Article 601.02 of the Standard Specifications. Outlet pipes or pipes connecting to a separate storm sewer system shall not be perforated.

The drainage aggregate shall be a combination of one or more of the following gradations, FA1, FA2, CA5, CA7, CA8, CA11, or CA13 thru 16, according to Sections 1003 and 1004 of the Standard Specifications.

The fabric surrounding the drainage aggregate shall be Geotechnical Fabric for French Drains according to Article 1080.05 of the Standard Specifications.

Construction Requirements. All work shall be according to the applicable requirements of Section 601 of the Standard Specifications except as modified below.

The pipe underdrains shall consist of a perforated pipe drain situated at the bottom of an area of drainage aggregate wrapped completely in geotechnical fabric and shall be installed to the lines and gradients as shown on the plans.

Method of Measurement. Pipe Underdrains for Structures shall be measured for payment in feet (meters), in place. Measurement shall be along the centerline of the pipe underdrains. All connectors, outlet pipes, elbows, and all other miscellaneous items shall be included in the measurement. Concrete headwalls shall be included in the cost of Pipe Underdrains for Structures, but shall not be included in the measurement for payment.

Revised 06/08/2011

**HOT MIX ASPHALT - PAY FOR PERFORMANCE USING PERCENT WITHIN LIMITS -
JOBSITE SAMPLING (BMPR)**

Effective: April 4, 2008

Revised: December 8, 2010

Description. This special provision describes the procedures used for production, placement and payment for hot-mix asphalt (HMA). This special provision shall apply to all pay items for High ESAL and Low ESAL HMA and SMA mixtures that individually have a minimum quantity of 8000 tons (7260 metric tons) and are placed at a minimum nominal thickness equal to or greater than three times the nominal maximum aggregate size. This special provision shall not apply to shoulders, temporary pavements and patching. This work shall be according to the Standard Specifications except as specified herein.

Delete Articles:

406.06(b), 2 nd Paragraph	(Temperature requirements)
406.06 (e), 3 rd Paragraph	(Pavers speed requirements)
406.07	(Compaction)
1030.04, last two sentences of first paragraph	(Mix design verification)
1030.05(a)(4, 5, 7, 8, 9, & 10)	(QC/QA Documents)
1030.05(d)(2)a.	(Plant Tests)
1030.05(d)(2)b.	(Dust-to-Asphalt and Moisture Content)
1030.05(d)(2)d.	(Small Tonnage)
1030.05(d)(2)f.	(HMA Sampling)
1030.05(d)(3)	(Required Field Tests)
1030.05(d)(4)	(Control Limits)
1030.05(d)(5)	(Control Charts)
1030.05(d)(6)	(Corrective Action for Required Plant Tests)
1030.05(d)(7)	(Corrective Action for Field Tests (Density))
1030.05(e)	(Quality Assurance by the Engineer)
1030.05(f)	(Acceptance by the Engineer)
1030.06(a) paragraphs 3 (Before start-up...), 7(After an acceptable...), 8 (If a mixture...), & 9 (A nuclear/core...):	

Definitions:

- (a) Quality Control (QC): All production and construction activities by the Contractor required to achieve the required level of quality.
- (b) Quality Assurance (QA): All monitoring and testing activities by the Engineer required to assess product quality, level of payment, and acceptability of the product.
- (c) Percent Within Limits (PWL): The percentage of material within the quality limits for a given quality characteristic.
- (d) Quality Characteristic: The characteristics that are evaluated by the Department for payment using PWL. The quality characteristics for this project are field Voids in the Mineral Aggregate (VMA), voids, and density. Field VMA will be calculated using the combined Aggregates Bulk Specific Gravity (G_{sb}) from the mix design
- (e) Quality Level Analysis (QLA): QLA is a statistical procedure for estimating the amount of product within specification limits.

Added 06/08/2011

- (f) Sublot: A sublot for field VMA, and voids, will be 1000 tons (910 metric tons), or adjusted to achieve a minimum of 10 tests. If a sublot consists of less than 200 tons (180 metric tons), it shall be combined with the previous sublot.
- (g) Density Testing Interval: The interval for density testing will be 0.2 mile (320 m) for lift thickness equal to or less than 3 in. (75 mm) and 0.1 mile (160 m) for lift thickness greater than 3 in. (75 mm). If a density testing interval is less than 200 ft (60 m), it will be combined with the previous test interval.
- (h) Lot: A lot consists of 10 sublots or 30 density intervals. If seven or less sublots or 19 or less density intervals remain at the end of production of a mixture, the test results for these sublots will be combined with the previous lot for evaluation of percent within limits and pay factors. Lots for mixture testing are independent of lots for density testing.
- (i) Density Test: A density test consists of a core taken at a random longitudinal and transverse offset within each density testing interval. The HMA maximum theoretical gravity (G_{mm}) will be based on the running average of four including the current day of production. Initial G_{mm} will be based on the average of the first four test results. The random transverse offset excludes the outer 1.0 ft (300 mm) from an unconfined edge. For confined edges, the random transverse offset excludes a distance from the outer edge equal to the lift thickness or a minimum of 2 in. (50 mm).

Pre-production Meeting:

The Engineer will schedule a pre-production meeting a minimum of seven calendar days prior to the start of production. The HMA QC Plan, test frequencies, random test locations, and responsibilities of all parties involved in testing and determining the PWL will be addressed. Personnel attending the meetings will include the following:

- (a) Resident Engineer
- (b) District Mixture Control Representative
- (c) QC Manager
- (d) Contractor Paving Superintendent
- (e) Any consultant involved in any part of the HMA sampling or testing on this project

Quality Control (QC) by the Contractor:

The Contractor's quality control plan shall include the schedule of testing for both quality characteristics and non-quality characteristics required to control the product such as binder content and mixture gradation. The schedule shall include sample location. The minimum test frequency shall not be less than outlined in the Minimum Quality Control Sampling and Testing Requirements table below.

Minimum Quality Control Sampling and Testing Requirements		
Quality Characteristic	Minimum Test Frequency	Sampling Location
Mixture Gradation	1/day	per QC Plan
Binder Content		
G_{mm}		
G_{mb}		
Density	per QC plan	per QC Plan

Added 06/08/2011

The Contractor shall submit QC test results to the Engineer within 24 hours of the time of sampling.

Initial Production Testing: The Contractor shall split and test the first two samples with the Department for comparison purposes regardless of whether a test strip is used. The Contractor shall complete all tests and report all results to the Engineer within two working days of sampling. The Engineer will make Department test results of the initial production testing available to the Contractor within two working days from the receipt of the samples. PFP will begin after an acceptable test strip, if one is used.

Quality Assurance (QA) by the Engineer: The Engineer will test each subplot for field VMA, voids, dust/ac ratio and density interval for density to determine payment for each lot. A subplot shall begin once an acceptable test-strip has been completed and the AJMF has been determined. If the test strip is waived, a subplot shall begin with the start of production. All Department testing will be performed in a qualified laboratory by personnel who have successfully completed the Department HMA Level I training.

Voids, field VMA, and Dust/AC ratio: The mixture subplot size is 1000 tons (910 metric tons). The Engineer will determine the random tonnage and the Contractor shall be responsible for obtaining the sample according to the "PFP Hot-Mix Asphalt Random Jobsite Sampling" procedure.

Density: The Engineer will identify the random locations for each density testing interval. The Contractor shall be responsible for obtaining the four inch cores within the same day and prior to opening to traffic unless otherwise approved by the Engineer according to the "PFP Random Density Procedure". The locations will be identified after final rolling and cores shall be obtained under the supervision of the Engineer. All core holes shall be filled immediately upon completion of coring. All water shall be removed from the core holes prior to filling. All core holes shall be filled with a rapid hardening mortar or concrete which shall be mixed in a separate container prior to placement in the hole.

Test Results: The Department test results for the first subplot, or density testing interval, of every lot will be available to the Contractor within three working days from the time the secured sample from the subplot or density testing interval has been delivered, by the Contractor, to a Department's Testing Facility or a location designated by the Engineer. Test results for the completed lot will be available to the Contractor within 10 working days from the time the last subplot or density testing interval has been delivered to a Department testing facility or a location designated by the Engineer.

The Engineer will maintain a complete record of all Department test results and copies will be provided to the Contractor with each set of subplot results. The records will contain, as a minimum, the originals of all Department test results and raw data, random numbers used and resulting calculations for sampling locations, and quality level analysis calculations.

Dispute Resolution: Dispute resolution testing will only be permitted when 1) the Contractor submits their split sample test results prior to receiving Department split sample test results and the difference between the Contractor and Department split test results exceed the precision limits listed below, or 2) if the Contractor agrees to pay the laboratory costs listed below regardless of the effect on the lot pay factor.

Added 06/08/2011

Test Parameter	Limits of Precision
Voids	1.0 %
VMA	1.4%
Ratio - Dust / Asphalt Binder	0.2
Core Density	1.0 %

If dispute resolution is necessary, the Contractor shall submit a request in writing within four working days of receipt of the results of the quality index analysis for the lot. The Engineer will document receipt of the request. The Bureau of Materials and Physical Research (BMPR) laboratory will be used for dispute resolution testing.

For density disputes, the Engineer will locate and mark the dispute resolution core locations by adding 1 ft (300 mm) longitudinally to the location of the original cores tested using the same transverse offset. The Engineer will witness the coring process and take possession of the cores and submit them to the BMPR laboratory for testing.

If three or more consecutive mix sublots are contested, corresponding density results will be recalculated with the new G_{mm} .

All dispute resolution results will replace original quality assurance test results for pay factor recalculation. Test results from the dispute resolution testing will replace voids, VMA and Dust/AC results from the original quality assurance testing. The lot pay factor for the lot under dispute resolution will be recalculated.

If the recalculated lot pay factor is less than or equal to the original lot pay factor, laboratory costs listed below will be borne by the Contractor. The effect on the lot pay factor will be determined for each individually disputed sample in the order of increasing subplot/density interval.

Test	Cost
Mix Testing	\$700.00 / subplot
Core Density	\$100.00 / core

Acceptance by the Engineer and Basis of Payment: The Engineer may cease production if the Contractor is not following the approved QC plan. The Engineer may reject material produced under the following circumstances:

- (a) If PWL for any quality characteristic is below 50 percent for any lot
- (b) If visible pavement distress is present such as, but not limited to, segregation or flushing
- (c) If any test exceeds the acceptable limits listed below:

Acceptable Limits

Parameter	Acceptable Range
Field VMA	-1.0 – +3.0% ^{1/}
Voids	2.0 – 6.0% ^{2/}
Density: IL-19.0, IL-25.0, IL-9.5, IL-12.5 IL-4.75, SMA	90.0 – 98.0% 92.0 – 98.0%
Dust / AC Ratio	0.4 – 1.6 ^{3/}

Added 06/08/2011

- 1/ Based on minimum required VMA from mix design
- 2/ The acceptable range for SMA mixtures shall be 2.0% - 5.0%
- 3/ Does not apply to SMA

Payment will be based on the calculation of the Composite Pay Factor for each mix according to the "PFP Quality Level Analysis" document. Payment for full depth pavement will be based on the calculation of the Full Depth Pay Factor according to the "PFP Quality Level Analysis" document.

Dust / AC Ratio. In addition to the PWL on VMA, voids, and density, a monetary deduction will be made using the pay adjustment table below for dust/AC ratios that deviate from the 0.6 to 1.2 range.

Dust / AC Pay Adjustment Table^{1/}

Range	Deduct / subplot
$0.6 \leq X \leq 1.2$	\$0
$0.5 \leq X < 0.6$ or $1.2 < X \leq 1.4$	\$1000
$0.4 \leq X < 0.5$ or $1.4 < X \leq 1.6$	\$3000
$X < 0.4$ or $X > 1.6$	Shall be removed and replaced

1/ Does not apply to SMA

Added 06/08/2011