Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

November 8, 2011

SUBJECT: FAP Route 326 (IL 47)
Project ACNHF-0326 (083)
Section (5CS, 13C, 108, 109)R
Kendall County
Contract No. 66671
Item No. 95, November 18, 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 4, 5 & 21 of the Special Provisions.
4. Added pages 242 - 257 to the Special Provisions.
5. Revised sheets 6 & 23 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

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

cc: Eric Therkildsen, Region 2, District 3; Mike Renner; D.Carl Puzey; Estimates

TBW:MS:jc

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF PRICES
CONTRACT NUMBER - 66671

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Code - 93 - -
District - 3 - -
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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
MXK03460	LANDSCAPE RESTORATION	SQ M	489.000				
MX030063	STORM SEW WM REQ 300	METER	13.000				
MX030199	TEMP PAVEMENT	SQ M	6,138.000				
MX030203	TEMP PAVT REMOVAL	SQ M	6,138.000				
MX032179	SILICONE JT SEAL 25	METER	2.000				
MX032529	SEGMENT CONC BLK WALL	SQ M	28.700				
MX032821	WATER SERV CONN 30	EACH	1.000				
MX032822	WATER SERV CONN 50	EACH	2.000				
MX032842	BOX CULVERT REMOV	METER	106.000				
MX033775	WATER SERV CONN 25MM	EACH	21.000				
MX033830	TRENCH DRAIN 100	METER	40.000				
MX033832	CONCRETE COLOR ADDITIVE	CU M	239.000				
MX033834	REM REINST BRICK PAVR	SQ M	6.500				
MX356820	TEMP HMA BC WIDE 200	SQ M	5,904.000				
MX402045	AGG SURF CSE B 200	SQ M	218.000				

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MX420290	HES PCC DRWY PAVT 200	SQ M	185.000				
MX424005	PCC SIDEWALK SPL	SQ M	289.500				
MX424010	PCC SDWLK SPL RETWALL	SQ M	16.500				
MX440050	ISLAND PAVEMENT REM	SQ M	585.000				
MX440910	TEMP WIDENING REMOVAL	SQ M	5,904.000				
MX440950	HMA SURF REM VAR DP	SQ M	3,989.000				
MX481010	TEMP AGG WEDGE	M TON	10,795.000				
MX503020	ACCESS RAMP	CU M	21.200				
MX509035	DECORATIVE FENCE	METER	130.600				
MX509040	DECORATIVE HANDRAIL	METER	40.800				
MX509045	HANDRAIL	METER	61.600				
MX550506	CONNECT EX SEW <= 150	EACH	16.000				
MX550508	CONNECT EX SEWER 200	EACH	9.000				
MX550510	CONNECT EX SEWER 250	EACH	2.000				
MX550511	CONNECT EX SEWER 300	EACH	3.000				

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MX550512	SS ABAN 300	METER	50.000				
MX550515	SS ABAN 375	METER	81.000				
MX550518	SS ABAN 450	METER	16.000				
MX550521	SS ABAN 525	METER	40.000				
MX550536	SS ABAN 900	METER	320.000				
MX561068	WM CASING EXTEN 600	METER	18.000				
MX561315	TAP VALVE SLV 300X150	EACH	1.000				
MX561320	TAP VALVE SLV 300X200	EACH	1.000				
MX561704	LINE STOP 100	EACH	3.000				
MX561706	LINE STOP 150	EACH	5.000				
MX561708	LINE STOP 200	EACH	5.000				
MX561712	LINE STOP 300	EACH	4.000				
MX562020	WATER SERVICE COVER	EACH	5.000				
MX562140	WATER SERV CONNECT 40	EACH	4.000				
MX563306	SAN SEW PVC DR 18 150	METER	76.500				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
MX563308	SAN SEW PVC DR 18 200	METER	142.000				
MX563310	SAN SEW PVC DR 18 250	METER	10.500				
MX563408	SAN SEW PVC DR 21 200	METER	98.000				
MX563410	SAN SEW PVC DR 21 250	METER	62.000				
MX563412	SAN SEW PVC DR 21 300	METER	45.500				
MX563506	SAN SEW PVC SDR26 150	METER	43.500				
MX563508	SAN SEW PVC SDR26 200	METER	298.500				
MX563920	SAN SEW REPAIR 200	METER	9.500				
MX563950	TELEVISING SAN SEWER	METER	814.000				
MX602100	MAN A 2.4 DIA SPL	EACH	4.000				
MX602345	DROP MAN A SPL	EACH	1.000				
MX602490	SANITARY MANHOLE A	EACH	25.000				
MX604020	FRAMES & LIDS SPL	EACH	6.000				
MX606110	CONC CURB TB SPL	METER	125.100				
MX606320	CONC ISLAND SPL	SQ M	625.000				

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MX606360	COMB CC&G TB SPL	METER	9.200				
MX637005	CONCRETE BARRIER WALL	METER	132.000				
MX700005	STEEL SIGN SUPPRT SPL	METER	13.000				
MX780605	URETH PVT MK LTR-SYM	SQ M	398.000				
MX780610	URETH PVT MK LINE 100	METER	17,375.000				
MX780614	URETH PVT MK LINE 150	METER	6,732.000				
MX780616	URETH PVT MK LINE 200	METER	5,160.000				
MX780618	URETH PVT MK LINE 300	METER	2,102.000				
MX780622	URETH PVT MK LINE 600	METER	614.000				
MX783074	GRV RCSD PVT MRKG 178	METER	2,431.000				
MX836021	LT P FDN 750 DIA SPL	METER	126.000				
MX836022	LP FDN 750 D SPL MOD	METER	6.000				
MX871057	FOCC62.5/125 MM24SM24	METER	5,079.000				
MX873025	ELCBL C RAILRD 14 3C	METER	123.000				
MX873030	ELCBL C 20 3C TW SH	METER	5,356.000				

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MX877020	STL COMB MAA&P 16.76	EACH	1.000				
MX878020	CONC FDN TY C SPL	METER	9.900				
MX878030	CONC FDN TY E 900D	METER	102.000				
MZ001050	AGG SUBGRADE 300	SQ M	95,048.000				
MZ001080	AGG SUBGRADE 600	SQ M	54,432.000				
MZ007430	TEMP SIDEWALK	SQ M	400.000				
MZ016001	DECK SLAB REP (FD-T1)	SQ M	22.000				
MZ016002	DECK SLAB REP (FD-T2)	SQ M	37.000				
MZ023500	FILL EXIST CULVERTS	CU M	31.400				
MZ067000	STEEL CASINGS 150	METER	66.000				
MZ067700	STEEL CASINGS 500	METER	402.000				
MZ067800	STEEL CASINGS 550	METER	39.000				
MZ067900	STEEL CASINGS 600	METER	81.000				
MZ068200	STEEL CASINGS 750	METER	29.000				
MZ068450	STEEL CASINGS 1650	METER	56.000				

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MZ075498	CONC RETAIN WALL REM	METER	161.000				
M2010110	TREE REMOV 6-15	UNIT	1,346.000				
M2010210	TREE REMOV OVER 15	UNIT	1,548.000				
M2011000	TEMPORARY FENCE	METER	24.000				
M2011400	NITROGEN FERT NUTR	KG	1.000				
M2011500	PHOSPHORUS FERT NUTR	KG	1.000				
M2011600	POTASSIUM FERT NUTR	KG	1.000				
M2020010	EARTH EXCAVATION	CU M	86,200.000				
M2020020	ROCK EXCAVATION	CU M	404.000				
M2020050	EARTH EXC WID	CU M	1,181.000				
M2080150	TRENCH BACKFILL	CU M	24,153.000				
M2090110	POROUS GRAN BACKFILL	CU M	8.000				
M2113100	TOPSOIL F & P 100	SQ M	65,969.000				
M2113600	TOPSOIL F & P 600	SQ M	1,163.000				
M2130201	EXPLOR TRENCH 2.1	METER	67.000				

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M2500100	SEEDING CL 1	HA	6.000				
M2500210	SEEDING CL 2A	HA	0.500				
M2500400	NITROGEN FERT NUTR	KG	648.000				
M2500500	PHOSPHORUS FERT NUTR	KG	648.000				
M2500600	POTASSIUM FERT NUTR	KG	648.000				
M2510630	EROSION CONTR BLANKET	SQ M	64,806.000				
M2800250	TEMP EROS CONTR SEED	KG	713.000				
M2800305	TEMP DITCH CHECKS	METER	273.000				
M2800400	PERIMETER EROS BAR	METER	5,725.000				
M2800800	MULCH METHOD 2	HA	6.500				
M2810109	STONE RIPRAP CL A5	SQ M	219.000				
M2820200	FILTER FABRIC	SQ M	219.000				
M3112010	SUB GRAN MAT C	M TON	459.000				
M3510100	AGG BASE CSE A 100	SQ M	9,158.000				
M3510200	AGG BASE CSE A 200	SQ M	2,266.000				

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M3511150	AGG BASE CSE B 150	SQ M	11,521.000				
M3540200	PCC BASE CSE W 200	SQ M	94.000				
M3550415	HMA BASE CSE 115	SQ M	2,038.000				
M3560570	HMA BC WID 270	SQ M	783.000				
M4021200	AGGREGATE-TEMP ACCESS	M TON	4,161.000				
M4060100	BIT MATLS PR CT	LITER	10,812.000				
M4060300	AGG PR CT	M TON	19.000				
M4060982	HMA SURF REM BUTT JT	SQ M	146.000				
M4060990	TEMPORARY RAMP	SQ M	976.000				
M4062325	P LEV BIND MM N50	M TON	298.000				
M4063305	HMA SC "C" N30	M TON	1,610.000				
M4063345	HMA SC "D" N90	M TON	449.000				
M4063370	HMA SC "E" N90	M TON	250.000				
M4080100	BIT MATLS PR CT	LITER	3,956.000				
M4080300	AGG PR CT	M TON	4.200				

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M4080500	INCIDENTAL HMA SURF	M TON	610.000				
M4202255	PCC PVT 250 JOINTED	SQ M	129,099.000				
M4205100	PAVEMENT FABRIC	SQ M	1,181.000				
M4230150	PCC DRIVEWAY PAVT 150	SQ M	2,125.000				
M4230200	PCC DRIVEWAY PAVT 200	SQ M	5,474.000				
M4240100	PC CONC SIDEWALK 100	SQ M	9,361.000				
M4248000	DETECTABLE WARNINGS	SQ M	299.700				
M4400738	HMA SURF REM 38	SQ M	614.000				
M4402000	PAVEMENT REM	SQ M	102,652.000				
M4402010	DRIVE PAVEMENT REM	SQ M	14,505.000				
M4402020	CURB REM	METER	655.000				
M4402030	GUTTER REM	METER	18.000				
M4402040	COMB CURB GUTTER REM	METER	5,920.000				
M4402050	SIDEWALK REM	SQ M	4,529.000				
M4402420	MEDIAN REMOVAL	SQ M	1,290.000				

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M4405000	PAVED DITCH REMOVAL	METER	207.000				
M4422200	PAVT PATCH T2 200	SQ M	29.000				
M4423200	PAVT PATCH T3 200	SQ M	21.000				
M4424200	PAVT PATCH T4 200	SQ M	203.000				
M4427415	CL C PATCH T4 200	SQ M	66.000				
M4428404	CL D PATCH T4 100	SQ M	89.000				
M4428410	CL D PATCH T4 150	SQ M	394.000				
M4428440	CL D PATCH T4 300	SQ M	94.000				
M4430020	STRIP REF CR CON TR	METER	413.000				
M4812150	AGGREGATE SHLDS B 150	SQ M	126.000				
M4820600	HMA SHOULDERS 200	SQ M	138.000				
M4820650	HMA SHOULDERS 250	SQ M	439.000				
M5010240	CONC REM	CU M	11.000				
M5010522	PIPE CULVERT REMOV	METER	883.000				
M5020400	ROCK EXC STRUCT	CU M	4.000				

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M5030290	FORM LINER TEX SURF	SQ M	3.400				
M5030360	CONC SUP-STR	CU M	11.100				
M5080205	REINF BARS, EPOXY CTD	KG	970.000				
M5090540	PIPE HANDRAIL	METER	54.200				
M5200225	PREF JT STRIP SEAL	METER	45.000				
M542A100	GRAT-C FL END S 375	EACH	2.000				
M542A110	GRAT-C FL END S 450	EACH	2.000				
M542C656	RCP TEE 1350P 900R	EACH	1.000				
M542E112	PRC FL-END SEC 300	EACH	9.000				
M542E116	PRC FL-END SEC 375	EACH	2.000				
M542E120	PRC FL-END SEC 450	EACH	6.000				
M542F252	CIP RC END SEC 1200	EACH	2.000				
M542H025	P CUL CL A 1 375	METER	20.500				
M542H030	P CUL CL A 1 450	METER	9.500				
M5500215	STORM SEW CL B 1 150	METER	6.000				

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M5500300	STORM SEW CL B 1 1200	METER	80.000				
M5505530	SS RG CL A 1 300	METER	2,734.000				
M5505550	SS RG CL A 1 450	METER	442.000				
M5505570	SS RG CL A 1 600	METER	142.500				
M5505590	SS RG CL A 1 750	METER	190.500				
M5505610	SS RG CL A 1 900	METER	59.000				
M5505620	SS RG CL A 1 1050	METER	137.000				
M5505630	SS RG CL A 1 1200	METER	68.000				
M5505640	SS RG CL A 1 1350	METER	243.000				
M5505930	SS RG CL A 2 300	METER	1,255.000				
M5505950	SS RG CL A 2 450	METER	830.000				
M5505970	SS RG CL A 2 600	METER	634.000				
M5505990	SS RG CL A 2 750	METER	514.500				
M5506010	SS RG CL A 2 900	METER	858.500				
M5506020	SS RG CL A 2 1050	METER	965.500				

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M5506030	SS RG CL A 2 1200	METER	810.000				
M5506040	SS RG CL A 2 1350	METER	185.000				
M5506050	SS RG CL A 2 1500	METER	426.500				
M5506060	SS RG CL A 2 1650	METER	193.000				
M5506330	SS RG CL A 3 300	METER	15.000				
M5506420	SS RG CL A 3 1050	METER	54.500				
M5506430	SS RG CL A 3 1200	METER	424.500				
M5510005	STORM SEWER REM 100	METER	7.000				
M5510010	STORM SEWER REM 150	METER	20.000				
M5510015	STORM SEWER REM 200	METER	54.000				
M5510020	STORM SEWER REM 250	METER	79.000				
M5510025	STORM SEWER REM 300	METER	1,143.000				
M5510035	STORM SEWER REM 375	METER	659.000				
M5510045	STORM SEWER REM 450	METER	406.000				
M5510060	STORM SEWER REM 600	METER	154.000				

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M5510070	STORM SEWER REM 750	METER	334.000				
M5510080	STORM SEWER REM 900	METER	463.000				
M5510100	STORM SEWER REM 1350	METER	6.000				
M5610415	D I WATER MAIN 150	METER	3.000				
M5610420	D I WATER MAIN 200	METER	1,654.500				
M5610430	D I WATER MAIN 300	METER	527.000				
M5610635	WATER VALVES 150	EACH	2.000				
M5610640	WATER VALVES 200	EACH	21.000				
M5610650	WATER VALVES 300	EACH	5.000				
M5611205	TAP VALVE & SLVE 100	EACH	5.000				
M5611210	TAP VALVE & SLVE 150	EACH	4.000				
M5611215	TAP VALVE & SLVE 200	EACH	5.000				
M5611225	TAP VALVE & SLVE 300	EACH	3.000				
M5620115	WATER SERV LINE 25	METER	259.000				
M5620120	WATER SERV LINE 30	METER	9.500				

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M5620130	WATER SERV LINE 40	METER	70.000				
M5620135	WATER SERV LINE 50	METER	34.000				
M6010105	PIPE DRAINS 100	METER	17.500				
M6010110	PIPE DRAINS 150	METER	6.500				
M6010115	PIPE DRAINS 200	METER	87.500				
M6010605	PIPE UNDERDRAINS 100	METER	753.500				
M6010705	PIPE UNDERDRN 100 SP	METER	134.500				
M6020417	CB A 1.5M D T3V F&G	EACH	1.000				
M6020651	CB A 1.8M D T5F CL	EACH	2.000				
M6020701	CB A 2.1M D T1F CL	EACH	1.000				
M6021410	MAN A 1.2D T1F CL	EACH	47.000				
M6021417	MAN A 1.2D T3VF&G	EACH	32.000				
M6021430	MAN A 1.2D T5F CL	EACH	12.000				
M6021440	MAN A 1.2D T8G	EACH	16.000				
M6021457	MAN A 1.2D T11V F&G	EACH	5.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
M6021470	MAN A 1.2D T20F&G	EACH	2.000				
M6021610	MAN A 1.5D T1F CL	EACH	29.000				
M6021617	MAN A 1.5D T3VF&G	EACH	10.000				
M6021630	MAN A 1.5D T5F CL	EACH	5.000				
M6021640	MAN A 1.5D T8G	EACH	11.000				
M6021657	MAN A 1.5M D T11V F&G	EACH	2.000				
M6021810	MAN A 1.8D T1F CL	EACH	31.000				
M6021830	MAN A 1.8D T5F CL	EACH	5.000				
M6021840	MAN A 1.8D T8G	EACH	5.000				
M6022010	MAN A 2.1D T1F CL	EACH	25.000				
M6022075	MAN A 2.1 DIA T3V F&G	EACH	1.000				
M6022090	MAN A 2.4D T1F CL	EACH	5.000				
M6022111	MAN A 2.4 D T11V F&G	EACH	1.000				
M6022152	MAN A 2.4 DIA T5F CL	EACH	9.000				
M6022188	MAN A 2.4 DIA T8 GR	EACH	4.000				

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M6022352	MAN A 2.7 DIA T5F CL	EACH	1.000				
M6022388	MAN A 2.7 DIA T8 GR	EACH	3.000				
M6024310	VV TA 1.2MD T1F CL	EACH	21.000				
M6024410	VV TA 1.5MD T1F CL	EACH	18.000				
M6060070	CONC CURB TB	METER	24.500				
M6060500	COMB CC&G TB15.30	METER	19.200				
M6060505	COMB CC&G TB15.30 AEP	METER	31.500				
M6060510	COMB CC&G TB15.30 DOW	METER	2,566.600				
M6060610	COMB CC&G TB15.45 DOW	METER	53.000				
M6060700	COMB CC&G TB15.60	METER	87.900				
M6060705	COMB CC&G TB15.60 AEP	METER	20.600				
M6060710	COMB CC&G TB15.60 DOW	METER	11,311.100				
M6061940	COMB CC&G TM10.30 DOW	METER	21.900				
M6063700	CONC MED TM-5	SQ M	632.000				
M6064110	CONC MED TSB15.30 DOW	SQ M	354.000				

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M6064210	CONC MED TSB15.60 DOW	SQ M	995.000				
M6066010	CORRUGATED MED DOW	SQ M	168.000				
M6690200	NON SPL WASTE DISPOSL	CU M	1,573.000				
M7030510	PAVT MARK TAPE T3 L&S	SQ M	422.000				
M7030520	PAVT MARK TAPE T3 100	METER	103,564.000				
M7030540	PAVT MARK TAPE T3 150	METER	1,988.000				
M7030550	PAVT MARK TAPE T3 200	METER	5,878.000				
M7030560	PAVT MARK TAPE T3 300	METER	1,234.000				
M7030580	PAVT MARK TAPE T3 600	METER	1,133.000				
M7031000	WORK ZONE PAVT MK REM	SQ M	13,811.000				
M7040100	TEMP CONC BARRIER	METER	666.000				
M7040200	REL TEMP CONC BARRIER	METER	446.000				
M7200100	SIGN PANEL T1	SQ M	140.820				
M7200200	SIGN PANEL T2	SQ M	70.720				
M7280100	TELES STL SIN SUPPORT	METER	64.300				

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M7300100	WOOD SIN SUPPORT	METER	845.200				
M8100230	CON T 25 PVC	METER	1,464.000				
M8100240	CON T 30 PVC	METER	109.000				
M8100260	CON T 50 PVC	METER	4,834.000				
M8100270	CON T 65 PVC	METER	15.000				
M8100280	CON T 75 PVC	METER	75.000				
M8100300	CON T 100 PVC	METER	454.000				
M8100540	CON T 50 CNC	METER	2,541.000				
M8101020	CON P 25 GALVS	METER	25.000				
M8101050	CON P 50 GALVS	METER	925.000				
M8101070	CON P 75 GALVS	METER	57.000				
M8101090	CON P 100 GALVS	METER	774.000				
M8101850	CON B&P CNC 50	METER	111.000				
M8170020	EC C XLP USE 1C 10	METER	5,578.000				
M8170040	EC C XLP USE 1C 6	METER	13,811.000				

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M8190200	TR & BKFIL F ELECT WK	METER	9,235.000				
M8730925	ELCBL C TRACER 14 1C	METER	5,079.000				
M8731210	ELCBL C SIGNAL 14 2C	METER	4,136.000				
M8731220	ELCBL C SIGNAL 14 3C	METER	3,691.000				
M8731240	ELCBL C SIGNAL 14 5C	METER	7,146.000				
M8731250	ELCBL C SIGNAL 14 7C	METER	4,148.000				
M8731300	ELCBL C LEAD 14 1PR	METER	17,710.000				
M8731800	ELCBL C SERV 6 2C	METER	141.000				
M8750510	TS POST GALVS 4.85	EACH	26.000				
M8770725	STL COMB MAA&P 7.31	EACH	2.000				
M8770755	STL COMB MAA&P 10.97	EACH	1.000				
M8770760	STL COMB MAA&P 11.58	EACH	3.000				
M8770765	STL COMB MAA&P 12.19	EACH	1.000				
M8770770	STL COMB MAA&P 12.80	EACH	1.000				
M8770775	STL COMB MAA&P 13.41	EACH	2.000				

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M8770777	STL COMB MAA&P 14.02	EACH	3.000				
M8770779	STL COMB MAA&P 14.63	EACH	5.000				
M8770780	STL COMB MAA&P 15.24	EACH	6.000				
M8770782	STL COMB MAA&P 15.85	EACH	2.000				
M8770784	STL COMB MAA&P 16.46	EACH	1.000				
M8770790	STL COMB MAA&P 18.29	EACH	2.000				
M8770800	STL COMB MAA&P 21.34	EACH	1.000				
M8770803	STL COMB MAA&P 22.56	EACH	1.000				
M8770804	STL COMB MAA&P 22.86	EACH	3.000				
M8780100	CONC FDN TY A	METER	32.900				
M8780150	CONC FDN TY C	METER	1.200				
M8780200	CONC FDN TY D	METER	1.800				
M8780400	CONC FDN TY E 750D	METER	6.000				
M8780420	CONC FDN TY E 1060D	METER	57.800				
M8860100	DET LOOP T1	METER	5,839.000				

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M8950230	REM ELCBL FR CON	METER	250.000				
M8950235	REM & RE ELCBL FR CON	METER	250.000				
XX002856	RE-OPTIMIZE TR SIG SY	L SUM	1.000				
XX004360	SAN SEW BYPASS PUMP	L SUM	1.000				
XX104100	CONN EX MANHOLE	EACH	1.000				
XZ053750	APPR PARAPE RETRO SPL	EACH	2.000				
X0322215	CLEAN BRG SCUP/DWNSPT	EACH	22.000				
X0322719	TEMP DRAINAGE CONNECT	EACH	2.000				
X5030015	OUTLET STRUCTURE	L SUM	1.000				
X5630905	TEMP INVERTED SIPHON	EACH	1.000				
X6020074	INLETS TA T3V F&G	EACH	160.000				
X6020075	INLETS TB T3V F&G	EACH	142.000				
X6021193	TEMP CATCH BASINS	EACH	12.000				
X6024207	MED INLET (604106) SP	EACH	1.000				
X6026050	SANITARY MANHOLE ADJ	EACH	21.000				

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X6026622	VV REMOVED	EACH	21.000				
X6026623	VALVE BOX	EACH	8.000				
X6026632	VALVE BOX REMOVED	EACH	15.000				
X6029001	JUNCTION BOX N1	L SUM	1.000				
X6029002	JUNCTION BOX N2	L SUM	1.000				
X6029003	JUNCTION BOX N3	L SUM	1.000				
X6029004	JUNCTION BOX N4	L SUM	1.000				
X6029005	JUNCTION BOX N5	L SUM	1.000				
X6310218	TRAF BAR TERM T6 SPL	EACH	2.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X7011010	TR C-PROT STAGE CONST	L SUM	1.000				
X8000005	WIRELESS LI PED X SYS	L SUM	1.000				
X8130125	REM EX JUNCTION BOX	EACH	7.000				
X8250505	LIGHT CONTROLLER SPL	EACH	9.000				
X8360120	LIGHT POLE FDN SPL	EACH	1.000				

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X8510200	PAINT TRAF SIG EQUIP	L SUM	1.000				
X8570225	FAC T4 CAB SPL	EACH	8.000				
X8570230	FAC T5 CAB SPL	EACH	2.000				
X8900016	TEMP TRAF SIG INTERCONNECT SYST	EACH	1.000				
X8900017	TEMP TRAF SIG INTERCONNECT SYST	EACH	1.000				
X8900018	TEMP TRAFSIG INTER S3	EACH	1.000				
X8950114	MOD EX CONTR & CAB	EACH	9.000				
Z0007601	BLDG REMOV NO 1	L SUM	1.000				
Z0007602	BLDG REMOV NO 2	L SUM	1.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0016702	DETOUR SIGNING	L SUM	1.000				
Z0026346	NIGHT WORK ZONE LIGHT	L SUM	1.000				
Z0030260	IMP ATTN TEMP FRN TL3	EACH	6.000				
Z0030332	IMP ATTN REL FRN TL3	EACH	8.000				
Z0033047	TEMP REOPT EX TS SYS	L SUM	1.000				

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Z0048665	RR PROT LIABILITY INS	L SUM	1.000				
Z0049802	R&D FRIABL ASB BLD 2	L SUM	1.000				
*ADD Z0049902	R&D NON-FR ASB BLD 2	L SUM	1.000				
Z0053610	RECONSTRUCT BENCH	EACH	2.000				
Z0073510	TEMP TR SIGNAL TIMING	EACH	12.000				
*ADD Z0076600	TRAINEES	HOUR	2,500.000		0.800		2,000.000
20101200	TREE ROOT PRUNING	EACH	1.000				
28000500	INLET & PIPE PROTECT	EACH	531.000				
50104400	CONC HDWL REM	EACH	3.000				
56400100	FIRE HYDNTS TO BE MVD	EACH	2.000				
56400300	FIRE HYDNTS TO BE ADJ	EACH	6.000				
56400500	FIRE HYDNTS TO BE REM	EACH	21.000				
56400600	FIRE HYDRANTS	EACH	29.000				
56500600	DOM WAT SER BOX ADJ	EACH	2.000				
56500700	DOM WAT SER BOX REM	EACH	39.000				

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60236200	INLETS TA T8G	EACH	41.000				
60236825	INLETS TA T11V F&G	EACH	30.000				
60237420	INLETS TA T20F&G	EACH	1.000				
60240210	INLETS TB T1F OL	EACH	1.000				
60240215	INLETS TB T1F CL	EACH	7.000				
60240235	INLETS TB T5F CL	EACH	1.000				
60240301	INLETS TB T8G	EACH	13.000				
60240312	INLETS TB T11V F&G	EACH	38.000				
60240324	INLETS TB T20F&G	EACH	1.000				
60265700	VV ADJUST	EACH	16.000				
60266100	VV RECONST	EACH	1.000				
60266600	VALVE BOX ADJ	EACH	8.000				
60500040	REMOV MANHOLES	EACH	72.000				
60500050	REMOV CATCH BAS	EACH	16.000				
60500060	REMOV INLETS	EACH	87.000				

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60500105	FILL MANHOLES	EACH	13.000				
63100167	TR BAR TRM T1 SPL TAN	EACH	2.000				
66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
66900530	SOIL DISPOSAL ANALY	EACH	4.000				
67000400	ENGR FIELD OFFICE A	CAL MO	32.000				
67100100	MOBILIZATION	L SUM	1.000				
*ADD 67201100	SEAL ABAN MONIT WELLS	EACH	2.000				
70103815	TR CONT SURVEILLANCE	CAL DA	600.000				
70106800	CHANGEABLE MESSAGE SN	CAL MO	120.000				
78100100	RAISED REFL PAVT MKR	EACH	1,993.000				
78200300	PRISMATIC CURB REFL	EACH	372.000				
78200410	GUARDRAIL MKR TYPE A	EACH	2.000				
78201000	TERMINAL MARKER - DA	EACH	2.000				
80400100	ELECT SERV INSTALL	EACH	1.000				
80500010	SERV INSTALL GRND MT	EACH	20.000				

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81400700	HANDHOLE PCC	EACH	90.000				
81400720	DBL HANDHOLE PCC	EACH	9.000				
81400730	HANDHOLE C CONC	EACH	17.000				
82102250	LUM SV HOR MT 250W	EACH	12.000				
82102400	LUM SV HOR MT 400W	EACH	23.000				
82500330	LT CONT PEDM 240V 60	EACH	1.000				
84200500	REM LT UNIT SALV	EACH	17.000				
84200804	REM POLE FDN	EACH	14.000				
84500110	REMOV LIGHTING CONTR	EACH	1.000				
84500120	REMOV ELECT SERV INST	EACH	1.000				
85000200	MAIN EX TR SIG INSTAL	EACH	19.000				
86000100	MASTER CONTROLLER	EACH	2.000				
86200300	UNINTER POWER SUP EXT	EACH	10.000				
86400100	TRANSCEIVER - FIB OPT	EACH	14.000				
87601100	PED P-B POST GALVS T1	EACH	6.000				

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87900200	DRILL EX HANDHOLE	EACH	3.000				
88040070	SH P LED 1F 3S BM	EACH	33.000				
88040090	SH P LED 1F 3S MAM	EACH	72.000				
88040150	SH P LED 1F 5S BM	EACH	39.000				
88040160	SH P LED 1F 5S MAM	EACH	24.000				
88102810	PED SH P LED 1F BM	EACH	8.000				
88102825	PED SH P LED 1F BM CT	EACH	60.000				
88200410	TS BACKPLATE L F PLAS	EACH	168.000				
88500100	INDUCTIVE LOOP DETECT	EACH	127.000				
88700200	LIGHT DETECTOR	EACH	35.000				
88700300	LIGHT DETECTOR AMP	EACH	9.000				
88800100	PED PUSH-BUTTON	EACH	76.000				
89000100	TEMP TR SIG INSTALL	EACH	9.000				
89502210	MOD EX CONTR CAB	EACH	2.000				
89502375	REMOV EX TS EQUIP	EACH	10.000				

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89502380	REMOV EX HANDHOLE	EACH	69.000				
89502385	REMOV EX CONC FDN	EACH	68.000				

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MULCH METHOD 2
Effective August 1, 1994; Revised January 1, 2007

Article 251.03 Method 2 Procedure 1 of the Standard Specifications shall be required for this improvement.

AGGREGATE SUBGRADE
Effective March 10, 1997, Revised October 28, 2011

Description. This work shall consist of furnishing, transporting, placing, and compacting granular material to the lines and grades shown on the plans or as directed by the Engineer.

Materials. This work shall be done according to the applicable portions of Section 207 of the Standard Specifications. Any aggregate (recycled and virgin) containing contaminants deemed unacceptable by the Department will not be approved. The material shall conform to Article 1004.05 of the Standard Specifications except the gradations and materials shall be as follows:

Gradation #1:
Material: Crushed Stone, Crushed Slag, Crushed Gravel, and Crushed Concrete

	Option 1	Option 2
Sieve Size	Percent Passing*	Percent Passing*
5 inches (125 mm)	100	100
4 inches (100 mm)	85±15	85±15
2 inches (50 mm)	60±20	45±25
1 inch (25 mm)	45±20	10±10
#4 (4.75 mm)	20±10	
#200 (75 µm)	5±5	2±2
	Note 1	Note 2
* A dry gradation will be sufficient to fulfill the -#200 (75 µm) specification.		

Note 1: Geotextile fabric having a minimum weight of 6 ounces and meeting the requirements of Article 1080.02 of the Standard Specifications may be necessary dependent upon subgrade soil conditions. The Engineer shall make the determination if Geotextile utilization is necessary.

Note 2: Geotextile fabric having a minimum weight of 6 ounces and meeting the requirements of Article 1080.02 of the Standard Specifications shall be used.

Gradation #2:
Material: Subbase Granular Material, Type C, or RAP

The Subbase Granular Material, Type C shall meet a gradation of CA 6 or CA 10 and a minimum 'D' quality as specified in Section 1004 of the Standard Specifications. RAP shall meet the requirements of Article 1031.08 of the Special Provision, Reclaimed Asphalt Pavement (RAP), except that the stockpiles shall not contain steel slag or other expansive material as determined by the Department.

General. Gradation #2 shall be used in the upper 3 inches (70 mm) as a capping material. Gradation #1 shall be used for the remaining thickness.

The material shall be placed in two or more lifts or as directed by the Engineer. Each lift shall be rolled with a vibratory roller meeting the requirements of Article 1101.01 of the Standard Specifications to obtain the desired compaction.

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Construction equipment not necessary for the completion of the work shall not be allowed on the subgrade until completion of the recommended thickness of the Aggregate Subgrade. Any damage to the compacted Aggregate Subgrade due to the Contractor's activities or operations shall be corrected.

When geotextile fabric is required, it shall be installed according to Articles 210.03 and 210.04 of the Standard Specifications.

Method of Measurement. Aggregate Subgrade will be measured in place and the area computed in square yards (square meters). The width shall be as shown on the plans.

Gradation #1, Option 2. Geotextile fabric will not be measured for payment.

Basis of Payment. This work will be paid for at the contract unit price per square yard (square meter) for AGGREGATE SUBGRADE of the thickness specified.

Gradation #1, Option 1. Geotextile fabric, when required, will be paid for according to Article 109.04 of the Standard Specifications.

Gradation #1, Option 2. The cost of the geotextile fabric shall be included in the contract unit price for the aggregate subgrade.

AGGREGATE SURFACE COURSE, TYPE B
Effective January 1, 2007

Add the following to Article 402.07 of the Standard Specifications:

The top layer shall be given a final rolling with a roller meeting the requirements of Article 1101.01.

HOT-MIX ASPHALT SURFACE COURSE, CUT OFF DATE
Effective January 1, 2007

Placement of Hot-Mix Asphalt Surface Course will not be permitted after October 15 unless approved, in writing, by the Engineer.

PRIMING
Effective July 1, 1990; Revised September 3, 2009

Bituminous Materials (Prime Coat) used on brick, concrete, or HMA bases shall be RC-70. Polymerized Bituminous Materials (Prime Coat) used on brick, concrete, or HMA bases shall be SS1-hP.

When more than one HMA lift is proposed, additional prime shall be applied for the subsequent lifts at the lesser rate (fog coat) shown on the plans.

HOT MIX ASPHALT – DENSITY TESTING OF LONGITUDINAL JOINTS
Effective: January 1, 2007; Revised: October 1, 2009

Description: This work shall consist of testing the density of longitudinal joints as part of the quality control/quality assurance (QC/QA) of hot-mix asphalt (HMA). This work shall be according to Section 1030 of the Standard Specifications except as follows.

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The existing materials shall become the property of the Contractor and shall be removed and disposed of according to the requirements of Article 202.03 of the Standard Specifications.

All labor, equipment, and material necessary to complete this work as specified herein shall be paid for at the contract unit price per meter for CONCRETE RETAINING WALL REMOVAL.

REMOVAL OF EXISTING FEATURES

Removal of existing signs, fences, landscape features, etc. that conflict with the proposed work and are not specifically accounted for by a contract pay item shall be removed and disposed of by the Contractor. No additional compensation shall be allowed for this work.

ISLAND PAVEMENT REMOVAL

This work shall consist of the removal and satisfactory disposal of existing median and island paved surfaces in accordance with Section 440 of the Standard Specifications, as shown in the plans, or as directed by the Engineer and as modified herein.

This work will be measured for payment in square meters of the area to be removed.

All labor, equipment, and material necessary to complete this work as specified herein shall be paid for at the contract unit price per square meter for ISLAND PAVEMENT REMOVAL.

PIPE/BOX CULVERT REMOVAL

This work shall consist of the removal and satisfactory disposal of existing pipe culverts of the size and type specified in accordance with Section 501 of the Standard Specifications, as shown in the plans, or as directed by the Engineer and as modified herein.

This work shall also include the removal and disposal of all end treatments including headwalls, wingwalls, slopewalls, flared end sections, metal end sections, railroad ties, sheet metal, riprap, concrete, etc. Any resultant voids shall be filled with suitable backfill material or trench backfill as directed by the Engineer.

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BUILDING REMOVAL NO. 1

This item consists of the removal and proper disposal of an unattached garage located at Sta. 20+778 LT in Yorkville. The removal shall include the building, foundation, appurtenances (deck) that may exist from the original building as directed by the Engineer. Removal of any debris found in the building or on the property shall be included in the cost of the building removal as directed by the Engineer. The excavation shall be backfilled using suitable granular material and to the grades directed by the Engineer. The granular backfill shall meet the gradation requirements of Article 1003.04 or Article 1004.05 of the Standard Specifications.

This work described shall be paid for at the contract unit price LUMP SUM for BUILDING REMOVAL NO. 1.

BUILDING REMOVAL NO. 2

This item consists of the removal and proper disposal of a two-story, brick commercial building with basement located at 301 Bridge Street in Yorkville at the southwest corner of IL Route 47 and Van Emmon Street. The removal shall include the foundation or any other appurtenances that may exist from the original building as directed by the Engineer. Removal of any debris found in the building(s) or on the property shall be included in the cost of the building removal as directed by the Engineer. The basement floor may be broken sufficiently into smaller pieces and left in place as directed by the Engineer. The excavation shall be backfilled using suitable granular material and to the grades directed by the Engineer. The granular backfill shall meet the gradation requirements of Article 1003.04 or Article 1004.05 of the Standard Specifications. Asbestos removal shall be in accordance to the special provision BUILDING REMOVAL – CASE I (NON-FRIABLE AND FRIABLE ASBESTOS ABATEMENT).

This work described shall be paid for at the contract unit price LUMP SUM for BUILDING REMOVAL NO. 2.

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

Effective: September 1, 1990
Revised: April 1, 2010

BUILDING REMOVAL: This work shall consist of the removal and disposal of building(s), together with all foundations, retaining walls, and piers, down to a plane 1 ft (300 mm) below the ultimate or existing grade in the area and also all incidental and collateral work necessary to complete the removal of the building(s) in a manner approved by the Engineer. Any holes, such as basements, shall be filled with a suitable granular material. The building(s) are identified as follows:

Parcel Bldg. No.	No.	Location	Description
2	3KC0054	301 South Bridge St Yorkville, IL	2 Story Brick Building with Basement

Discontinuance of Utilities: The Contractor shall arrange for the discontinuance of all utility services and the removal of the metering devices that serve the building(s) according to the respective requirements and regulations of the City, County, or utility companies involved. The Contractor shall disconnect and seal, in an approved manner, all service outlets that serve any building(s) he/she is to remove.

Signs: Immediately upon execution of the contract and prior to the wrecking of any structures, the Contractor shall be required to paint or stencil, in contrasting colors of an oil base paint, on all four sides of each residence and two opposite sides of other structures, the following sign:

PROPERTY ACQUIRED FOR HIGHWAY CONSTRUCTION TO
BE DEMOLISHED BY THE
ILLINOIS DEPARTMENT OF TRANSPORTATION
VANDALS WILL BE PROSECUTED

The signs shall be positioned in a prominent location on the structure so that they can be easily seen and read and at a sufficient height to prevent defacing. The Contractor shall not paint signs nor start demolition of any building(s) prior to the time that the State becomes the owner of the respective building(s).

All friable asbestos shall be removed from the building(s) prior to demolition. The Contractor has the option of removing the non-friable asbestos prior to demolition or demolishing the building(s) with the non-friable asbestos in place. Refer to the Special Provisions titled "Asbestos Abatement (General Conditions)", "Removal and Disposal of Friable Asbestos Building No. 2 ", and "Removal and Disposal of Non-Friable Asbestos Building No. 2 "contained herein.

Basis of Payment: This work will be paid for at the contract lump sum unit price for BUILDING REMOVAL, numbers as listed above, which price shall be payment in full for complete removal of the buildings and structures, including any necessary backfilling material as specified herein. The lump sum unit price(s) for this work shall represent the cost of demolition and disposal assuming all asbestos, friable and non-friable, is removed prior to demolition. Any salvage value shall be reflected in the contract unit price for this item.

EXPLANATION OF BIDDING TERMS: Three separate contract unit price items have been established for the removal of each building. They are:

1. BUILDING REMOVAL NO. 2
2. REMOVAL AND DISPOSAL OF FRIABLE ASBESTOS, BUILDING NO. 2
3. REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 2

The Contractor shall have two options available for the removal and disposal of the non-friable asbestos.

The pay item for removal and disposal of non-friable asbestos will not be deleted regardless of the option chosen by the Contractor.

ASBESTOS ABATEMENT (GENERAL CONDITIONS): This work consists of the removal and disposal of friable and non-friable asbestos from the building(s) to be demolished. All work shall be done according to the requirements of the U.S. Environmental Protection Agency (USEPA), the Illinois Environmental Protection Agency (IEPA), the Occupational Safety and Health Administration (OSHA), the Special Provisions for "Removal and Disposal of Friable Asbestos, Building No. 2 " and "Removal and Disposal of Non-Friable Asbestos, Building No. 2 ", and as outlined herein.

Refer to the Materials Description Table in Appendix A for a brief description and location of the various materials. Also included is a Materials Quantities Table in Appendix B. This table states whether the ACM is friable or non-friable and gives the approximate quantity. The quantities are given only for information and it shall be the Contractor's responsibility to determine the exact quantities prior to submitting his/her bid.

The work involved in the removal and disposal of friable asbestos, and non-friable asbestos if done prior to demolition, shall be performed by a Contractor or Sub-Contractor prequalified with the Illinois Capital Development Board.

The Contractor shall provide a shipping manifest, similar to the one shown in Appendix C, to the Engineer for the disposal of all ACM wastes.

Permits: The Contractor shall apply for permit(s) in compliance with applicable regulations of the Illinois Environmental Protection Agency. Any and all other permits required by other federal, state, or local agencies for carrying on the work shall be the responsibility of the Contractor. Copies of these permits shall be sent to the district office and the Engineer.

Notifications: The "Demolition/Renovation Notice" form, which can be obtained from the IEPA office, shall be completed and submitted to the address listed below at least ten days prior to commencement of any asbestos removal or demolition activity. Separate notices shall be sent for the asbestos removal work and the building demolition if they are done as separate operations.

Asbestos Demolition/Renovation Coordinator
Illinois Environmental Protection Agency
Division of Air Pollution Control
P. O. Box 19276
Springfield, Illinois 62794-9276
(217)785-1743

Notices shall be updated if there is a change in the starting date or the amount of asbestos changes by more than 20 percent.

Submittal
s:

A. All submittals and notices shall be made to the Engineer, except where otherwise specified herein.
B. Submittals that shall be made prior to start of work:

1. Submittals required under Asbestos Abatement Experience.

2. Submit documentation indicating that all employees have had medical examinations and instruction on the hazards of asbestos exposure, on use and fitting of respirators, on protective dress, on use of showers, on entry and exit from work areas, and on all aspects of work procedures and protective measures as specified in Worker Protection Procedures.

3. Submit manufacturer's certification stating that vacuums, ventilation equipment, and other equipment required to contain airborne fibers conform to ANSI 29.2.

4. Submit to the Engineer the brand name, manufacturer, and specification of all sealants or surfactants to be used. Testing under existing conditions will be required at the direction of the Engineer.

5. Submit proof that all required permits, site locations, and arrangements for transport and disposal of asbestos-containing or asbestos-contaminated materials, supplies, and the like have been obtained (i.e., a letter of authorization to utilize designated landfill).

6. Submit a list of penalties, including liquidated damages, incurred through non- compliance with asbestos abatement project specifications.

7. Submit a detailed plan of the procedures proposed for use in complying with the requirements of this specification. Include in the plan the location and layout of decontamination units, the sequencing of work, the respiratory protection plan to be used during this work, a site safety plan, a disposal plan including the location of an approved disposal site, and a detailed description of the methods to be used to control pollution. The plan shall be submitted to the Engineer prior to the start of work.

8. Submit proof of written notification and compliance with Paragraph "Notifications". C.

Submittals that shall be made upon completion of abatement work:

1. Submit copies of all waste chain-of-custodies, trip tickets, and disposal receipts for all asbestos waste materials removed from the work area;
2. Submit daily copies of work site entry logbooks with information on worker and visitor access;
3. Submit logs documenting filter changes on respirators, HEPA vacuums, negative pressure ventilation units, and other engineering controls; and
4. Submit results of any bulk material analysis and air sampling data collected during the course of the abatement including results of any on-site testing by any federal, state, or local agency.

Certificate of Insurance:

A. The Contractor shall document general liability insurance for personal injury, occupational disease and sickness or death, and property damage.

B. The Contractor shall document current Workmen's Compensation Insurance coverage. C.

The Contractor shall supply insurance certificates as specified by the Department.

Asbestos Abatement Experience:

A. Company Experience: Prior to starting work, the Contractor shall supply evidence that he/she has been prequalified with the Illinois Capital Development Board and that he/she has been included on the Illinois Department of Public Health's list of approved Contractors.

B. Personnel Experience:

1. For Superintendent, the Contractor shall supply:

   a. Evidence of knowledge of applicable regulations in safety and environmental protection is required as well as training in asbestos abatement as evidenced by the successful completion of a training course in supervision of asbestos abatement as specified in 40 CFR 763, Subpart E, Appendix C, EPA Model Contractor Accreditation Plan. A copy of the certificate of successful completion shall be provided to the Engineer prior to the start of work.
   b. Documentation of experience with abatement work in a supervisory position as evidenced through supervising at least two asbestos abatement projects; provide names, contact, phone number, and locations of two projects in which the individual(s) has worked in a supervisory capacity.

2. For workers involved in the removal of friable and non-friable asbestos, the Contractor shall provide training as evidenced by the participation and successful completion of an accredited training course for asbestos abatement workers as specified in 40 CFR 763, Subpart E, Appendix C, EPA Model Contractor Accreditation Plan. A copy of the certificate of successful completion shall be provided to all employees who will be working on this project.

ABATEMENT AIR MONITORING: The Contractor shall comply with the following:

A. Personal Monitoring: All personal monitoring shall be conducted per specifications listed in OSHA regulation, Title 29, Code of Federal Regulation 1926.58. All area sampling shall be conducted according to 40 CFR Part 763.90. All air monitoring equipment shall be calibrated and maintained in proper operating condition. Excursion limits shall be monitored daily. Personal monitoring is the responsibility of the Contractor. Additional personal samples may be required by the Engineer at any time during the project.

B. Contained Work Areas for Removal of Friable Asbestos: Area samples shall be collected for the department within the work area daily. A minimum of one sample shall be taken outside of the abatement area removal operations. The Engineer will also have the option to require additional personal samples and/or clearance samples during this type of work.

C. Interior Non-Friable Asbestos-Containing Materials: The Contractor shall perform personal air monitoring during removal of all nonfriable Transite and floor tile removal operations.

The Engineer will also have the option to require additional personal samples and/or clearance samples during this type of work.

D. Exterior Non-Friable Asbestos-Containing Materials: The Contractor shall perform personal air monitoring during removal of all nonfriable cementitious panels, piping, roofing felts, and built up roofing materials that contain asbestos.

The Contractor shall conduct downwind area sampling to monitor airborne fiber levels at a frequency of no less than three per day.

E. Air Monitoring Professional

1. All air sampling shall be conducted by a qualified Air Sampling Professional supplied by the Contractor. The Air Sampling Professional shall submit documentation of successful completion of the National Institute for Occupational Safety and Health (NIOSH) course #582 - "Sampling and Evaluating Airborne Asbestos Dust".
2. Air sampling shall be conducted according to NIOSH Method 7400. The results of these tests shall be provided to the Engineer within 24 hours of the collection of air samples.

REMOVAL AND DISPOSAL OF FRIABLE ASBESTOS, BUILDING NO. 2: This work consists of the removal and disposal of all friable asbestos from the building(s) prior to demolition. The work shall be done according to the Special Provision titled "Asbestos Abatement (General Conditions)" and as outlined herein.

This work will be paid for at the contract unit price per lump sum for REMOVAL AND DISPOSAL OF FRIABLE ASBESTOS, BUILDING NO. 2, as shown, which price shall include furnishing all labor, materials, equipment and services required to remove and dispose of the friable asbestos.

REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 2: The Contractor has the option of removing and disposing of the non-friable asbestos prior to demolition of the building(s) or demolishing the building(s) with the non-friable asbestos in place.

Option #1 - If the Contractor chooses to remove all non-friable asbestos prior to demolition, the work shall be done according to the Special Provision titled "Asbestos Abatement (General Conditions)".

Option #2 - If the Contractor chooses to demolish the building(s) with the non-friable asbestos in place, the following provisions shall apply:

1. Continuously wet all non-friable ACM and other building debris with water during demolition.
2. Dispose of all demolition debris as asbestos containing material by placing it in lined, covered transport haulers and placing it in an approved landfill.

This work will be paid for at the contract unit price per lump sum for REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 2, as shown.

The cost for this work shall be determined as follows:

Option #1 - Actual cost of removal and disposal of non-friable asbestos.

Option #2 - The difference in cost between removing and disposing of the building if all non-friable asbestos is left in place and removing and disposing of the building assuming all non-friable asbestos is removed prior to demolition.

The cost of removing and disposing of the building(s), assuming all asbestos, friable and non-friable is removed first, shall be represented by the pay item "BUILDING REMOVAL NO. 2".

Regardless of the option chosen by the Contractor, this pay item will not be deleted, nor will the pay item BUILDING REMOVAL NO. 2 be deleted.

APPENDIX A

MATERIAL DESCRIPTION TABLE

Material Description	% And Type Of Asbestos	Location, Description, Sample Number (If Applicable)
I. 301 S Bridge St (Sta. 20+816 LT)		
Exterior Window Glazing	4% Chrysotile	2nd Floor windows (Southside) Poor condition. Friable. Sample 11-35.
Gray, Fibrous Paper	40% chrysotile	2nd floor. At center exterion in small opening on east wall on door. Poor condition. Sample 14-44. Non-friable

APPENDIX B

MATERIAL QUANTITIES TABLE

The following are approximate quantities of ACM to be removed from the building indicated. These material quantities do not indicate the cleaning required to remove asbestos debris and resulting contamination from the work areas.

I. 301 S Bridge St (Sta. 20+816 LT)

Material	Floor	Quantity Present	Friable
Window Glazing	2nd Floor	5 S.F. (0.46 SM)	Yes
Gray Paper	2nd Floor	2 S.F. (0.19 SM)	No

APPENDIX C

SHIPPING MANIFEST Generator

1. Work Site Name and Mailing Address	Owner's Name		Owner's Telephone No.
2. Operator's Name and Address			Operator's. Telephone No
3. Waste Disposal Site (WDS) Name Mailing Address, and Physical Site Location			WDS Telephone No.
4. Name and Address of Responsible Agency			
5. Description of Materials			
6. Containers	No.	Type	
7. Total Quantity	M^3	(Yd^3)	
8. Special Handling Instructions and Additional Information			
9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.			
Printed/Typed Name & Title	Signature		Month Day Year

Transporter

10. Transporter 1 (Acknowledgement of Receipt of Materials)		
Printed/Typed Name & Title Address and Telephone No.	Signature	Month Day Year
11. Transporter 2 (Acknowledgement of Receipt of Materials)		
Printed/Typed Name & Title Address and Telephone No.	Signature	Month Day Year

Disposal Site

12. Discrepancy Indication Space		
13. Waste Disposal Site Owner or Operator: Certification of Receipt of Asbestos Materials Covered By This Manifest Except As Noted in Item 12		
Printed/Typed Name & Title	Signature	Month Day Year

Added 11/8/2011

INSTRUCTIONS

Waste Generator Section (Items 1-9)

1. Enter the name of the facility at which asbestos waste is generated and the address where the facility is located. In the appropriate spaces, also enter the name of the owner of the facility and the owner's phone number.

2. If a demolition or renovation, enter the name and address of the Company and authorized agent responsible for performing the asbestos removal. In the appropriate spaces, also enter the phone number of the operator.

3. Enter the name, address, and physical site location of the waste disposal site (WDS) that will be receiving the asbestos materials. In the appropriate spaces, also enter the phone number of the WDS. Enter "on-site" if the waste will be disposed of on the generator's property.

4. Provide the name and address of the local, State, or EPA Regional Office responsible for administering the asbestos NESHAP program.

5. Indicate the types of asbestos waste materials generated. If from a demolition or renovation, indicate the amount of asbestos that is

   - Friable asbestos material
   - Nonfriable asbestos material

6. Enter the number of containers used to transport the asbestos materials listed in Item 5. Also enter one of the following container codes used in transporting each type of asbestos material (specify any other type of container used if not listed below):

   DM - Metal drums, barrels
   DP - Plastic drums, barrels
   BA - 6 mil plastic bags or wrapping

7. Enter the quantities of each type of asbestos material removed in units of cubic meters (cubic yards).

8. Use this space to indicate special transportation, treatment, storage or disposal or Bill of Lading information. If an alternate waste disposal site is designated, note it here. Emergency response telephone numbers or similar information may be included here.

9. The authorized agent of the waste generator shall read and then sign and date this certification. The date is the date of receipt by transporter.

NOTE: The waste generator shall retain a copy of this form.

INSTRUCTIONS

Transporter Section (Items 10 & 11)

10. & 11. Enter name, address, and telephone number of each transporter used, if applicable. Print or type the full name and title of person accepting responsibility and acknowledging receipt of materials as listed on this waste shipment record for transport.

NOTE: The transporter shall retain a copy of this form.

Disposal Site Section (Items 12 & 13)

12. The authorized representative of the WDS shall note in this space any discrepancy between waste described on this mainfest and waste actually received as well as any improperly enclosed or contained waste. Any rejected materials should be listed and destination of those materials provided. A site that converts asbestos-containing waste material to nonasbestos material is considered a WDS.

13. The signature (by hand) of the authorized WDS agent indicates acceptance and agreement with statements on this manifest except as noted in Item 12. The date is the date of signature and receipt of shipment.

NOTE: The WDS shall retain a completed copy of this form. The WDS shall also send a completed copy to the operator listed in Item 2.

BUILDING REMOVAL - CASE IV (NO ASBESTOS) (BDE)
Effective: September 1, 1990 Revised: April 1, 2010

BUILDING REMOVAL: This work shall consist of the removal and disposal of 1 building(s), together with all foundations, retaining walls, and piers, down to a plane 1 ft (300 mm) below the ultimate or existing grade in the area and also all incidental and collateral work necessary to complete the removal of the building(s) in a manner approved by the Engineer. Any holes, such as basements, shall be filled with a suitable granular material. The building(s) are identified as follows:

Bldg. No.	Parcel No.	Location	Description
1	3KC0054	Sta. 20+778 LT	Unattached Garage

Discontinuance of Utilities: The Contractor shall arrange for the discontinuance of all utility services and the removal of the metering devices that serve the building(s) according to the respective requirements and regulations of the City, County, or utility companies involved. The Contractor shall disconnect and seal, in an approved manner, all service outlets that serve any building(s) he/she is to remove.

Signs: Immediately upon execution of the contract and prior to the wrecking of any structures, the Contractor shall be required to paint or stencil, in contrasting colors of an oil base paint, on all four sides of each residence and two opposite sides of other structures, the following sign:

PROPERTY ACQUIRED FOR HIGHWAY CONSTRUCTION
TO BE DEMOLISHED BY THE
ILLINOIS DEPARTMENT OF TRANSPORTATION
VANDALS WILL BE PROSECUTED

The signs shall be positioned in a prominent location on the structure so that they can be easily seen and read and at a sufficient height to prevent defacing. The Contractor shall not paint signs nor start demolition of any building(s) prior to the time that the State becomes the owner of the respective building(s).

Basis of Payment: This work will be paid for at the contract lump sum unit price for BUILDING REMOVAL, numbers as listed above, which price shall be payment in full for complete removal of the buildings and structures, including any necessary backfilling material as specified herein.

The lump sum unit price(s) for this work shall represent the cost of demolition. Any salvage value shall be reflected in the contract unit price for this item.

Notifications: The "Demolition/Renovation Notice" form, which can be obtained from the IEPA office, shall be completed and submitted to the address listed below at least ten days prior to commencement of any demolition activity.

Asbestos Demolition/Renovation Coordinator
Illinois Environmental Protection Agency
Division of Air Pollution Control
P. O. Box 19276
Springfield, Illinois 62794-9276
(217)785-1743

Notices shall be updated if there is a change in the starting date or the amount of asbestos changes by more than 20 percent.

Submittals:

A. All submittals and notices shall be made to the Engineer except where otherwise specified herein.
B. Prior to starting work, the Contractor shall submit proof of written notification and compliance with the "Notifications" paragraph.

TIE BAR INSERTER

LONGITUDINAL CONSTRUCTION JOINT

Revise Article 420.05 (b) as follows:

(b) Longitudinal Construction Joint. The tie bars shall be installed in preformed or drilled holes along the vertical edge of the first lane placed, inserted into the vertical edge of the freshly placed concrete, or formed in place.

(1) Preformed or Drilled Holes. The tie bars shall be installed with an approved nonshrink grout or chemical adhesive providing a minimum pull-out strength as follows.

Bar Size	Minimum Pull-Out Strength
No. 6 (No. 19)	11,000 lb (49 kN)
No. 8 (No. 25)	19,750 lb (88 kN)

Holes shall be blown clean and dry prior to placing the grout or adhesive. If compressed air is used, the pneumatic tool lubricator shall be bypassed and a filter installed on the discharge valve to keep water and oil out of the lines. The installation shall be with methods and tools conforming to the grout or adhesive manufacturer's recommendations. The Contractor shall load test five percent of the first 500 tie bars installed. No further installation will be allowed until the initial five percent testing has been completed and approval to continue installation has been given by the Engineer. Testing will be required for 0.5 percent of the bars installed after the initial 500. For each bar that fails to pass the minimum requirements, two more bars selected by the Engineer shall be tested. Each bar that fails to meet the minimum load requirement shall be reinstalled and retested. The equipment and method used for testing shall meet the requirements of ASTM E 488. All tests shall be performed within 72 hours of installation. The tie bars shall be installed and approved before concrete is placed in the adjacent lane.

(2) Inserted. The tie bars shall be installed with the use of a mechanical tie bar inserter. The tie bars shall be sized and placed according to the drawing for Longitudinal Construction Joint (Tie Bar Formed in Place) shown on the plans. The tie bar inserter shall be self contained and supported on the formless paver with the ability to move separately from the paver. The inserter shall insert the tie bars with vibration after the concrete has been struck off and consolidated without deformation of the slab. The inserter shall remain stationary relative to the pavement when inserting tie bars while the formless paver continues to move in the direction of paving.

The Contractor shall load test 15 tie bars selected by the Engineer installed on each day of paving after the concrete reaches a flexural strength of 550 psi. The equipment and method used for testing shall meet the requirements of ASTM E 488. The tie bars shall be tested to the load which causes slippage of the tie bar to occur not to exceed a load of 12,000 lbs. The average of these results divided by the tie bar spacing shall be a minimum of 2,200 lbs./ft. of joint spacing. If testing shows the tie bars are not obtaining the required results, use of the tie bar inserter shall discontinue. Additional tie bars shall be drilled and grouted in place according to Article 420.05(b)(1) for the affected sections of pavement at a frequency approved by the Engineer.

(3) Formed in Place. The tie bar shall be formed in place as shown on the plans.

The sealant reservoir shall be formed either by sawing after the concrete has set according to Article 420.05(a) or by hand tools when the concrete is in a plastic state.

DOWEL BAR INSERTER

Revise Article 402.05(c) to read:

(c) Transverse Contraction Joints. Transverse contraction joints shall consist of planes of weakness created by sawing grooves in the surface of the pavement and shall include load transfer devices consisting of dowel bars. Transverse contraction joints shall be according to the following.

Revise Article 420.05(c)(2) to read:

(2) Dowel Bars. Dowel bars shall be installed parallel to the centerline of the pavement, parallel to the proposed pavement surface as well as to each other. The dowel bars shall be installed according to one of the following methods:

a. Dowel Bar Assemblies. The assembly shall act as a rigid unit with each component securely held in position relative to the other members of the assembly. The entire assembly shall be held securely in place by means of nails which shall penetrate the stabilized subbase. At least ten nails shall be used for each 10, 11, or 12 ft (3, 3.3, or 3.6 m) section of assembly. Bearing plates shall be punched to receive the nails. When bearing plates are omitted on stabilized subbase, other methods for securing the assembly with nails shall be provided.

Metal stakes shall be used instead of nails, with soil or granular subbase. The stakes shall loop over or attach to the top parallel spacer bar of the assembly and penetrate the subgrade or subbase at least 12 in. (300 mm).

All shipping tie wires shall be cut after the assembly is secured in place. At the location of each dowel bar assembly, the subgrade or subbase shall be reshaped and re-tamped when necessary.

Prior to placing concrete, any deviation from the correct horizontal or vertical alignment (horizontal skew or vertical tilt) greater than 1/2 in. in 18 in. (12 mm in 450 mm) shall be corrected and a light coating of oil shall be uniformly applied to the dowel bars. Care shall be exercised in depositing the concrete at the dowel bar assemblies so that the horizontal and vertical alignment will be retained.

b. Inserted Dowel Bars. The dowel bars shall be placed in the pavement slab with a mechanical dowel bar inserter (DBI) attached to a formless paver.

The dowel bar inserter (DBI) shall be self contained and supported on the formless paver with the ability to move separately from the paver. The DBI shall be equipped with insertion forks along with a tamping bar, finishing pan and any other devices necessary for finishing the concrete the full width of the pavement. The insertion forks shall have the ability to vibrate at a minimum frequency of 3000 vpm.

The DBI shall insert the bars with vibration into the plastic concrete after the concrete has been struck off and consolidated without deformation of the slab. After the bars have been inserted, the concrete shall be refinished and no voids shall exist around the dowel bars. The forward movement of the finishing screed shall not be interrupted by the inserting of the dowel bars.

The exact location of each row of dowels shall be marked on the subbase as indicated by the plans. The location of each row of dowels inserted by the DBI shall be prominently marked on both sides of the pavement to facilitate sawing of the transverse joint.

1. Placement Tolerances. The mechanical dowel bar inserter shall place the dowel bars in the concrete pavement within the following tolerances:

    a) Longitudinal translation (side shift) is defined as the position of the center of the dowel bar along the longitudinal axis, in relation to the sawed joint. The maximum allowable longitudinal translation (side shift) is 2 in. (50 mm).
    b) Horizontal translation is defined as difference in the actual dowel bar location parallel to the transverse axis of the joint from its theoretical position as detailed in the standard details. The maximum allowable horizontal translation is 2 in. (50 mm).
    c) Vertical translation (depth) is the difference in the actual dowel bar location from the theoretical midpoint of the slab. The maximum allowable vertical translation is 1/2 in. (12.5 mm) above the theoretical midpoint and 1 in. (25 mm) lower than the theoretical midpoint.
    d) Dowel bar misalignment, either vertical tilt or horizontal skew is defined as the difference in position of the dowel bar ends with respect to each other. Vertical tilt is measured in the vertical axis whereas horizontal skew is measured in the horizontal axis. The maximum allowable misalignment shall be 1/2 in. in 18 in. (12 mm in 450 mm).

2. Evaluation of Dowel Bar Placement by Magnetic Tomography. The location and alignment of the dowel bars shall be tested with a calibrated magnetic imaging device, the MIT Scan-2 testing device manufactured by MIT GmbH. The testing device shall include the following items.

    a) the sensor unit
    b) an onboard computer that runs the test, collects and stores the data and performs preliminary evaluation
    c) a rail system to guide the sensor unit parallel to the joint and the pavement surface at a constant elevation for the full width of the pavement that is placed
    d) associated PC software recommended by the manufacturer of the device for installation on a Department laptop computer. The program shall be compatible with Windows NT.

    A trained operator shall perform the scans with the device and provide the printed results. All testing shall be performed in the presence of the Engineer. The test results for each joint shall be printed directly from the onboard computer immediately after the scan is performed and given to the Engineer. The results shall also be stored on a flash memory card used in the onboard computer that shall be given to the Engineer at the end of each day.

    The device shall be calibrated to the type and size dowel bar used in the work according to the manufacturer's instructions. The Contractor may utilize this device as a process control and make necessary adjustments to ensure the dowels are placed in the correct location.

    Test sections consisting of the first 300 feet (20 joints)of concrete pavement on the first day of paving shall be tested for dowel location and alignment as soon as the concrete has hardened sufficiently to prevent damage to the surface of the pavement. Additional trial sections will be established when the slip form paving equipment is modified to accommodate a change in paving width or when the slip form paving equipment has been disassembled and/or replaced by another slip form paver.

    For all remaining joints, a minimum of 1 of every 10 shall be tested as soon as the concrete has hardened sufficiently to prevent damage to the surface of the pavement. If the position and alignment of any dowel bar(s) is found to be rejectable, then scanning of adjacent joints on both sides of the joint containing the rejectable dowel bar(s) shall be performed until joints on each side are found with no rejectable dowel bars.

If consistency of the proper dowel bar alignment cannot be established within the first 300 ft (91 m), the Engineer will suspend the paving operation. The Contractor will propose a corrective action to address bars found out of tolerance to be approved by the Engineer. Use of the DBI shall cease if satisfactory results, as determined by the Engineer, are not being achieved.