

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847)705-4406 SCHAUMBURG, IL.

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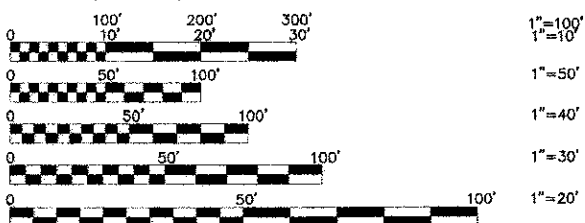
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**TRAFFIC DATA**

ADT:	EAST AVENUE	6700 (2010)	COLLECTOR
<b>POSTED SPEED</b>	<b>DESIGN SPEED</b>		
35 MPH (EXISTING)	35 MPH (EXISTING)		
35 MPH (PROPOSED)	35 MPH (PROPOSED)		

**DESIGN DESIGNATION**



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

**JULIE**  
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ILLINOIS PROFESSIONAL DESIGN FIRM NO. 194-000928

FNA PROJECT NO.	10256	DRAWN/DESIGNED	JFP/JLC	CHECKED/APPROVED	THK/JLC
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REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	JLC	8-15-12	WIDEN COMMERCIAL DRIVEWAYS FOR VALLEY OAKS MOBILE HOME PARK
2	JLC	10-15-12	PER I.D.O.T. REVIEW
3	JLC	11-02-12	PER I.D.O.T. REVIEW

CONTRACT NO. 63736

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

FAU 2719 (EAST AVENUE)  
FAU 1529 (67th STREET) TO FAU 3562 (JOLIET ROAD)

RESURFACING

SECTION 11-00019-00-RS  
PROJECT M-9003(868)  
VILLAGE OF HODGKINS  
COOK COUNTY  
C-91-091-12

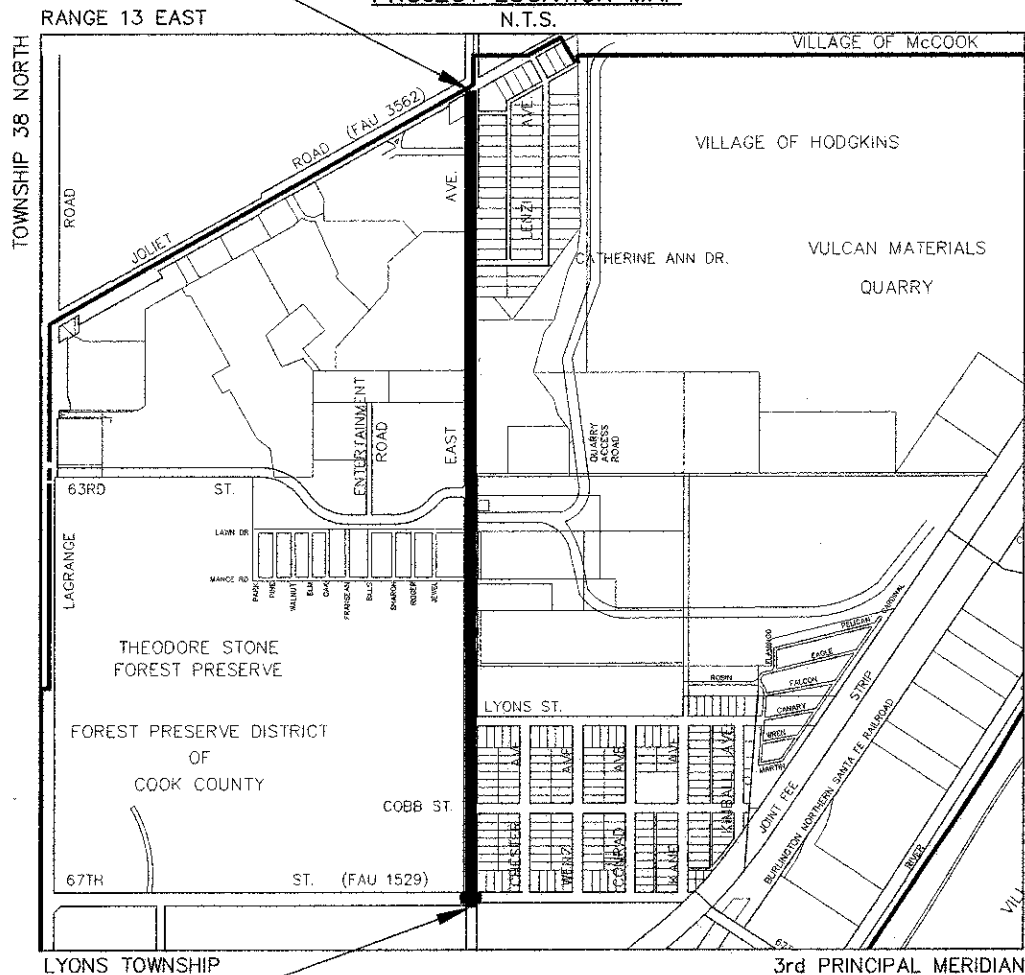
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	11-00019-00-RS	COOK	29	1
F.H.W.A. REG.	ILLINOIS PROJECT	M-9003 (868)		

CONTRACT NO. 63736



EAST AVENUE  
PROJECT ENDS  
STA. 60+63

**PROJECT LOCATION MAP**



EAST AVENUE  
PROJECT BEGINS  
STA. 9+15

DENOTES LOCATION OF IMPROVEMENT

LENGTH OF PROJECT

GROSS LENGTH OF PROJECT	5,148 FEET (0.98 MILES)
NET LENGTH OF PROJECT	5,148 FEET (0.98 MILES)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED: *[Signature]* 2012

VILLAGE OF HODGKINS: *[Signature]*  
NOEL B. CUMMINGS, VILLAGE PRESIDENT

PASSED: *[Signature]* 2012

RELEASING FOR BID BASED ON LIMITED REVIEW: *[Signature]* 2012  
DISTRICT 7 ENGINEER OF LOCAL ROADS & STREETS  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

*[Signature]*  
JAMES L. CAINKAR, P.E.  
IL. P.E. NO. 062-056190  
EXPIRES 11-30-2013  
DATE: 11-2-12

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

**GENERAL CONSTRUCTION NOTES  
PAVING AND STORM SEWERS**

**SPECIFICATIONS**

THE LATEST EDITIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" SHALL GOVERN ALL WORK ASSOCIATED WITH THIS PROJECT. THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY GOVERN OTHER WORK ON THIS PROJECT AS INDICATED BY REFERENCE.

**CARE IN EXCAVATION**

CARE SHALL BE EXERCISED BY THE CONTRACTOR IN CARRYING OUT EARTH AND/OR TRENCHING OPERATIONS SO THAT LOCAL UTILITY SERVICES, WATER VALVES, MANHOLES, CATCH BASINS, INLETS, BUFFALO BOXES, AND OTHER STRUCTURES ARE NOT DAMAGED OR REMOVED. ANY DAMAGE DONE BY THE CONTRACTOR, WHETHER THE STRUCTURE OR SERVICE IS VISIBLE AT THE GROUND SURFACE OR NOT, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLES 105.07 AND 107.20.

**NOTIFICATION OF PUBLIC UTILITIES**

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OFFICIALS OF THE PUBLIC WORKS DEPARTMENT OF THE LOCAL MUNICIPALITY, J.U.L.E. AT 1-800-892-0123 OR 811, AND OTHER PUBLIC AND PRIVATE UTILITIES SO THAT ARRANGEMENTS CAN BE MADE TO LOCATE THEIR VARIOUS FACILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER THIS CONTRACT, AS WELL AS TO PROVIDE ADEQUATE PROTECTION AND INSPECTION THERETO. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES IN THE FIELD.

**TRAFFIC CONTROL DEVICES**

BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

**PROTECTION OF SIGNS AND PROPERTY**

ALL TRAFFIC SIGNS, STREET SIGNS, ETC., THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AND PLACED AT NEW LOCATIONS AS DESIGNATED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. IN ADDITION, ALL MAIL BOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE SIMILARLY RELOCATED AT NO ADDITIONAL COST IN ACCORDANCE WITH ARTICLES 107.20 AND 107.21 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

**SUPERINTENDENCE**

SPECIAL ATTENTION IS DRAWN TO ARTICLE 105.06 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WHICH REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVING CONTROL OF ALL THE WORK AS THE AGENT OF THE GENERAL CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.

**SAWING EXISTING IMPROVEMENTS**

ALL PERMANENT TYPE PAVEMENTS OR OTHER PERMANENT IMPROVEMENTS WHICH ABUT THE PROPOSED IMPROVEMENT AND MUST BE REMOVED, SHALL BE SAWS AS DIRECTED PRIOR TO REMOVAL. ALL ITEMS SO REMOVED SHALL BE REPLACED WITH SIMILAR CONSTRUCTION MATERIALS TO THEIR ORIGINAL CONDITION OR BETTER. PAYMENT FOR SAWING SHALL BE INCLUDED IN THE COST FOR THE REMOVAL OF EACH ITEM, AND REPLACEMENT WILL BE PAID FOR UNDER THE RESPECTIVE ITEMS IN THE CONTRACT UNLESS OTHERWISE INDICATED. SAW CUTTING FOR PATCHES WILL BE INCLUDED IN THE COST OF TO THE PATCHING ITEM. EXISTING DRIVEWAY PAVEMENT AND SIDEWALK TO REMAIN IN PLACE SHALL BE SAWCUT TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND THE EXISTING, AND SUCH COST SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

**CONSTRUCTION LAYOUT STAKES**

THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH WOODEN STAKES OR OTHER LAYOUT MATERIALS FOR LAYOUT OF THE LINES AND GRADES OF THE PROJECT. FAILURE TO PROVIDE STAKES IN A TIMELY MANNER WILL RESULT IN A DELAY IN STAKEOUT WHICH WILL BE APPLICABLE AGAINST THE TIME LIMIT FOR COMPLETION SHOWN IN THE PROJECT SPECIFICATIONS. LINE AND GRADE WILL BE ESTABLISHED BY THE ENGINEER AT REGULAR INTERVALS ON PERMANENTLY PAVED SURFACES, SIDEWALKS OR STAKES AT THE ENGINEER'S OPTION, ALL WITHIN THE PUBLIC RIGHT-OF-WAY AND SHALL BE TRANSFERRED BY THE CONTRACTOR TO THE ACTUAL LINE OF CONSTRUCTION.

**PROJECT SAFETY**

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1-1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE CONTRACTOR SHALL COMPLY WITH AND OBSERVE THE RULES AND REGULATIONS OF O.S.H.A. AND APPROPRIATE AUTHORITIES REGARDING SAFETY PROVISIONS. THE CONTRACTOR, ENGINEER, AND OWNER SHALL EACH BE RESPONSIBLE FOR THEIR OWN RESPECTIVE AGENTS AND EMPLOYEES.

THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS, OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE DOCUMENTS AND SPECIFICATIONS.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

**MISCELLANEOUS**

ALL PATCHING ON THE HOT-MIX ASPHALT PORTAINS OF THIS PROJECT WILL BE MARKED OUT AND CONSTRUCTED AFTER MILLING. A PROOF ROLL WILL BE REQUIRED PRIOR TO PATCHING.

SIDEWALKS SHALL BE INCREASED TO 8" THICKNESS AT ALL DRIVEWAYS.

PROTECTIVE COAT SHALL BE USED ON ALL PORTLAND CEMENT CONCRETE SURFACE IN ACCORDANCE WITH ARTICLES 420.21, 420.22, AND 420.23 OF THE STANDARD SPECIFICATIONS.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

**LEVELING BINDER THICKNESS CHART**

HMA THICKNESS CHART REQUIRED HMA LEVELING BINDER EAST AVE - 67TH STREET TO JOLIET ROAD					
STATION	EXISTING CENTERLINE ELEVATION	PROPOSED CENTERLINE ELEVATION	DIFFERENCE	LESS 2" SURFACE	LEVELING BINDER THICKNESS
11+00	607.07	607.75	0.68	0.17	0.51
12+00	607.85	608.42	0.57	0.17	0.40
13+00	608.63	609.06	0.43	0.17	0.26
14+00	609.45	609.89	0.44	0.17	0.27
15+00	610.24	610.69	0.45	0.17	0.28
16+00	610.81	611.39	0.58	0.17	0.41
17+00	611.50	612.01	0.51	0.17	0.34
18+00	612.20	612.78	0.58	0.17	0.41
19+00	612.97	613.37	0.40	0.17	0.23
20+00	613.40	613.84	0.44	0.17	0.27
21+17 SUM	613.64	614.17	0.53	0.17	0.36
21+96	613.61	614.02	0.41	0.17	0.24
22+40 SUM	613.64	614.15	0.51	0.17	0.34
23+00	613.65	614.08	0.43	0.17	0.26
24+00	613.62	614.12	0.50	0.17	0.33
25+00	614.01	614.61	0.60	0.17	0.43
26+00	614.67	615.27	0.60	0.17	0.43
27+00	615.44	615.96	0.52	0.17	0.35
28+00	616.16	616.48	0.32	0.17	0.15
29+00	616.52	616.93	0.41	0.17	0.24
30+00	616.97	617.42	0.45	0.17	0.28
31+00	617.45	618.03	0.58	0.17	0.41
32+00	617.87	618.44	0.57	0.17	0.40
33+00	618.29	618.85	0.56	0.17	0.39
34+00	618.67	619.22	0.55	0.17	0.38
35+00	619.09	619.73	0.64	0.17	0.47
36+00	619.52	620.10	0.58	0.17	0.41
37+00	620.00	620.65	0.65	0.17	0.48
38+00	620.53	620.89	0.36	0.17	0.19
39+00	621.32	621.76	0.44	0.17	0.27
40+00	622.62	623.02	0.40	0.17	0.23
41+00	624.61	625.21	0.60	0.17	0.43
42+00	627.30	627.84	0.54	0.17	0.37
43+00	630.43	630.95	0.52	0.17	0.35
44+00	634.95	635.50	0.55	0.17	0.38
45+00	640.97	641.46	0.49	0.17	0.32
46+00	646.95	647.36	0.41	0.17	0.24
47+00	650.99	651.40	0.41	0.17	0.24
48+00	653.26	653.87	0.61	0.17	0.44
48+81 SUM	653.73	654.18	0.45	0.17	0.28
50+00	653.35	653.77	0.42	0.17	0.25
51+00	652.95	653.38	0.43	0.17	0.26
52+00	652.56	652.98	0.42	0.17	0.25
53+00	652.45	652.76	0.31	0.17	0.14
53+39					0.83
AVERAGE THICKNESS REQUIRED AT CENTERLINE PAVEMENT:					0.33 = 4"
AVERAGE THICKNESS REQUIRED FULL WIDTH OF PAVEMENT:					2.25"

NOTE: STATION 22+40 EXCLUDED FROM CALCULATIONS

SUMMARY	
STA. 9+15 TO STA. 11+00	
1835 SY x 2.4" (AVERAGE THICKNESS) x 112	= 247 TONS
2000	
STA. 11+00 TO STA. 53+39	
17250 SY x 2.25" (AVERAGE THICKNESS) x 112	= 2174 TONS
2000	
STA. 53+39 TO STA. 60+63	
4217 SY x 1" x 112	= 236 TONS
2000	
TOTAL:	= 2657 TONS

**SCHEDULE OF DRIVEWAYS**

CENTERLINE STATION	OFFSET CENTERLINE	TYPE	WIDTH AT PROPERTY LINE OR SIDEWALK (FT.)	EXISTING MATERIAL TYPE	REPLACEMENT MATERIAL TYPE	WIDTH AT BACK OF CURB (FT.)	LENGTH (FT.)	TOTAL S.F.
11+80.5	R	PE	15	HMA	PCC	15	14.7	218
12+32.4	R	PE	13	HMA	PCC	16	14.7	217
12+88.4	R	PE	17	HMA	PCC	19	14.7	270
13+26.5	R	PE	15	HMA	PCC	23	14.7	279
13+82.8	R	PE	18	HMA	PCC	28	14.7	325
14+28.5	R	PE	20	PCC	PCC	25	14.7	330
15+24.8	R	PE	13	HMA	PCC	19	14.7	222
16+78	R	PE	21	PCC	PCC	18	14.7	280
17+11.3	R	PE	29	PCC	PCC	22	14.7	357
17+54.3	R	PE	18	PCC	PCC	23	14.7	295
18+02.2	R	PE	18	HMA	PCC	23	14.9	281
18+45.8	R	PE	18	HMA	PCC	23	14.9	256
18+99	R	PE	28	HMA	PCC	35	14.9	461
19+65.8	R	PE	18	PCC	PCC	28	14.9	316
27+61.9	R	CE	117	HMA	HMA	60	15	1097
28+91	R	CE	85	HMA	HMA	60	15	935
30+13	L	CE	36	HMA	HMA	59	21.2	826
30+46	L	CE	29	HMA	**	5	21.2	542
31+62.5	L	CE	206	HMA	HMA	218	21.2	4816
32+72	L	CE	15	HMA	**	5	21.2	286
32+99	L	CE	38	HMA	HMA	59	21.2	828
35+77.2	R	CE	135	HMA	HMA	152	18.9	2618
38+05	R	CE	31	PCC	PCC	34	3	90
38+97.9	R	CE	22	HMA	HMA	24	2.7	63
40+90.7	R	CE	23	PCC	PCC	25	2.8	63
41+11.5	L	CE	23	PCC	PCC	40	21.4	589
46+73.2	R	PE	34	HMA	HMA	34	2	68
47+60.2	R	PE	31	HMA	HMA	31	1.5	46.5
48+12.1	L	CE	17	HMA	HMA	27	15.9	316
48+56.9	R	PE	33	HMA	HMA	35	1.5	55
48+59.5	L	CE	17	HMA	HMA	27	15.9	316
49+31.9	R	CE	58	HMA	HMA	58	2	98
49+87.3	L	CE	73	HMA	HMA	117	15.3	1407
50+21.8	R	PE	14	HMA	HMA	14	2	28
51+42.2	R	PE	43	HMA	HMA	43	2	86
51+87.5	L	CE	41	HMA	HMA	50	21.8	1347
<b>TOTAL</b>								<b>29473.5</b>
54+88.7	R	PE	16	HMA	*	19	5	70
55+77	R	PE	19	HMA	*	19	5	83
56+56.6	R	PE	10	HMA	*	18.5	5	57
57+18.4	R	PE	17	HMA	*	22	5	84
<b>TOTAL</b>								<b>294</b>

CE - COMMERCIAL PE - PRIVATE

\* INDICATES REPLACEMENT WITH PCC SIDEWALK, 8"  
\*\* INDICATES REPLACEMENT WITH PCC SIDEWALK, 6" AND TOPSOIL FURNISH AND PLACE, 4" & SODDING

CE-PCC DRIVEWAY = 8" =	748 SF	83.1 SY
PE-PCC DRIVEWAY = 6" =	4,147 SF	460.8 SY

CE-HMA DRIVEWAY =	14,467 SF	1,607.4 SY
PE-HMA DRIVEWAY =	283.5 SF	31.5 SY
<b>TOTAL HMA</b>	<b>1,638.9 SY</b>	

1,638.9x112x3" = 275.3 TON  
2,000

**BENCHMARKS**

- 1.) FLAGGED FLANGE BOLT ON FIRE HYDRANT 804' NORTH OF THE CENTERLINE OF LYONS STREET AND 30' WEST OF THE CENTERLINE OF EAST AVENUE. ELEV=618.91
- 2.) FLAGGED FLANGE BOLT ON FIRE HYDRANT 213' NORTH OF THE CENTERLINE OF LYONS STREET AND 30' WEST OF THE CENTERLINE OF EAST AVENUE. ELEV=616.61
- 3.) FLAGGED FLANGE BOLT ON FIRE HYDRANT 217' NORTH OF THE CENTERLINE OF COBB STREET AND 30' WEST OF THE CENTERLINE OF EAST AVENUE. ELEV=613.56
- 4.) FLAGGED FLANGE BOLT ON FIRE HYDRANT 207' SOUTH OF THE CENTERLINE OF 63RD STREET AND 35' WEST OF THE CENTERLINE OF EAST AVENUE. ELEV=621.77
- 5.) SOUTH SOUTHWEST FLANGE BOLT ON FIRE HYDRANT 37' NORTH OF THE CENTERLINE OF HANK LOUKOTA DRIVE AND 29' WEST OF THE CENTERLINE OF EAST AVENUE. ELEV=628.13
- 6.) SOUTH SOUTHWEST FLANGE BOLT ON FIRE HYDRANT 355' NORTH OF THE CENTERLINE OF 63RD STREET AND 26' WEST OF THE CENTERLINE OF EAST AVENUE. ELEV=625.65

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ILLINOIS PROFESSIONAL DESIGN FIRM NO. 054-006266

**SUMMARY OF QUANTITIES**

Specialty items	Special Provision	Code No	Description	Unit	Construction Code Type 0005
		20200100	EARTH EXCAVATION	CU YD	393
		20800150	TRENCH BACKFILL	CU YD	12
*		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4800
*		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	115
*		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	115
*		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	115
		25200110	SODDING, SALT TOLERANT	SQ YD	4800
		31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	408
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	545
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	227
		40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	10
		40600300	AGGREGATE (PRIME COAT)	TON	24
		40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2744
		40600895	CONSTRUCTING TEST STRIP	EACH	1
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	358
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2871
		42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	461
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	84
		42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	2263
		42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1367
		42400800	DETECTABLE WARNINGS	SQ FT	160
		44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	4136
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	835
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	9490
		44000600	SIDEWALK REMOVAL	SQ FT	1898
		44200966	CLASS B PATCHES, TYPE I, 10 INCH	SQ YD	80
		44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	80
		44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	80
		44201798	CLASS D PATCHES, TYPE I, 13 INCH	SQ YD	100
		44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	100
		50300300	PROTECTIVE COAT	SQ YD	6953
		60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1
		60250200	CATCH BASINS TO BE ADJUSTED	EACH	66

Specialty items	Special Provision	Code No	Description	Unit	Construction Code Type 0005
		60255500	MANHOLES TO BE ADJUSTED	EACH	33
		60260100	INLETS TO BE ADJUSTED	EACH	2
		60265700	VALVE VAULTS TO BE ADJUSTED	EACH	5
	SP	60266600	VALVE BOXES TO BE ADJUSTED	EACH	6
		60600605	CONCRETE CURB, TYPE B	FOOT	196
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	553
		60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	8500
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	437
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MC	5
		67100100	MOBILIZATION	L SUM	1
*		70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1
*		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
*		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
		70106800	CHANGEABLE MESSAGE SIGN	CAL MC	10
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	1361
		70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	578
		70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	144
		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	241
		70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1179
*		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	782
*		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	24202
*		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1833
*		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1346
*		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	241
*		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	332
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	332
*	SP	88600600	DETECTOR LOOP REPLACEMENT	FOOT	333
	SP	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1807
	SP	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	54
	SP	X8140115	HANDHOLE TO BE ADJUSTED	EACH	2
	SP	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	50
	SP	Z0070200	SURVEY MONUMENTS	EACH	2
		XX008744	STORM SEWERS, CLASS A, TYPE 1, 8"	FOOT	58

FILE NAME VILLAGE OF HODGKINS  
EAST AVENUE  
67TH ST. TO JOUET RD.  
RESURFACING

USER NAME =  
PLOT SCALE =  
PLOT DATE =

DESIGNED -- THK  
DRAWN -- JFP  
CHECKED -- JLC  
DATE -- 6/12

REVISED -- JLC 10-15-12  
REVISED --  
REVISED --  
REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

**Frank Novotny & Associates, Inc.**  
Civil Engineers  
Professional Consultants  
185 Midway Drive • Wilmette, IL • 60091 • Telephone: (847) 937-8860 • Fax: (847) 937-8150  
ILLINOIS PROFESSIONAL DESIGN PLAN NO. 194-P-0028

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	11-00019-00-RS	COOK	29	3

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT M-9003 (868)

**EXISTING LEGEND**

- (A) EXISTING PORTLAND CEMENT CONCRETE BASE COURSE, 10"
- (B) EXISTING 4" AGGREGATE SUBBASE
- (C) EXISTING COMBINATION CONCRETE CURB & GUTTER TYPE B-6.18 OR EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (STA. 10+22 TO STA. 10+75, WEST SIDE AND STA. 9+15 TO STA. 9+65, EAST SIDE)
- (D) EXISTING PORTLAND CEMENT CONCRETE DRIVEWAY, HOT-MIX ASPHALT SURFACE DRIVEWAY, PORTLAND CEMENT CONCRETE SIDEWALK (STA. 33+17 TO STA. 51+60, WEST SIDE AND STA. 10+22 TO STA. 52+69, EAST SIDE), AND EXISTING GRASS PARKWAY
- (E) PROPOSED "HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH", 0" TO 3" AT EXISTING DEPRESSED CURBS FOR HOT-MIX ASPHALT DRIVEWAYS, (AS NOTED ON PLAN)
- (F) PROPOSED "EARTH EXCAVATION" FOR "TOPSOIL FURNISH & PLACE, 4 INCH" AND "SODDING"

INDICATES REMOVAL ITEM

NOTE: CONTRACTOR SHALL MILL BEFORE PATCHING.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ NDES
<b>PAVEMENT</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL-9.5mm), 2"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 2.25" AVG.	4% @ 50 GYR
<b>DRIVEWAYS</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL-9.5mm), 3" (2 LIFTS)	4% @ 50 GYR

THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

"THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS"

"FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS"

**PROPOSED LEGEND**

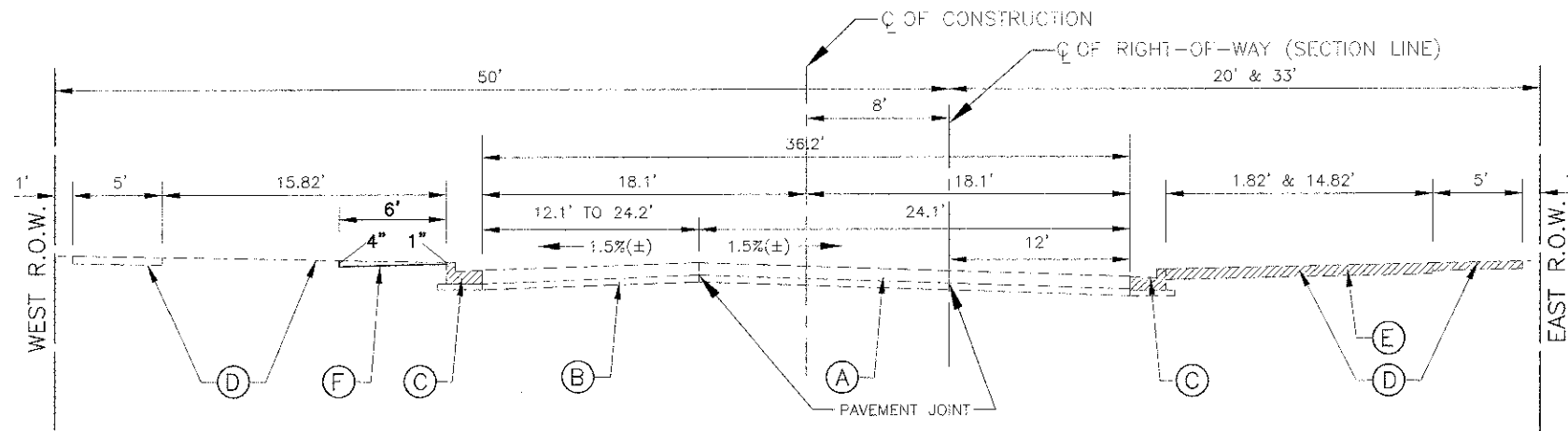
- (A) PROPOSED "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH
- (B) PROPOSED "POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50" AS NEEDED TO RESTORE 2% MINIMUM CROWN, 2-1/4 INCH AVG.
- (C) PROPOSED "COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18" RAISED 2-3/4" ABOVE EXISTING EDGE OF PAVEMENT (TYPICAL BOTH SIDES) OR PROPOSED "COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24" RAISED 2-3/4" ABOVE EXISTING EDGE OF PAVEMENT (STA. 10+22 TO STA. 10+75, WEST SIDE ONLY) AS APPLICABLE
- (D) PROPOSED "HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 3 INCH, IN 2 LIFTS OR "PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH" OR 8 INCH ON "SUBBASE GRANULAR MATERIAL, TYPE B, 4 INCH" OR PROPOSED "TOPSOIL FURNISH & PLACE, 4 INCH" AND "SODDING"
- (E) PROPOSED "PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH" OR 8 INCH (AS DIRECTED) ON "SUBBASE GRANULAR MATERIAL, TYPE B, 2 INCH"
- (F) PROPOSED "CLASS B PATCHES, TYPE I - IV, 10 INCH"-AS DIRECTED

**IMPORTANT!**

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

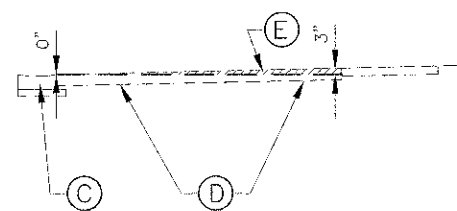
**Frank Novotny & Associates, Inc.**  
 825 Midway Drive • Wheelock, IL • 60157 • Telephone (630) 887-8600 • Fax (630) 887-4132  
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 164-000820

P.A. FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	11-00019-00-RS	COOK	29	4
CONTRACT NO. 63736				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT N-9003 (568)				

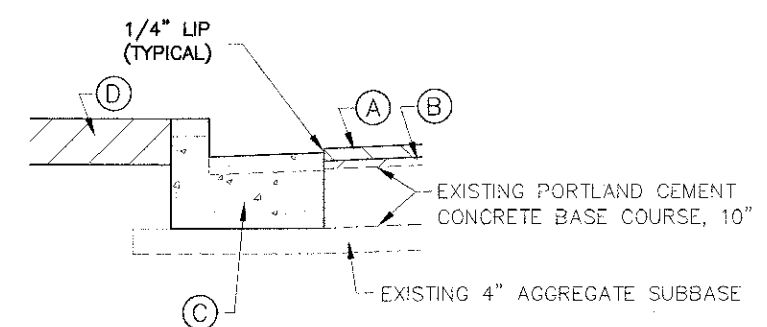


**EXISTING TYPICAL SECTION**

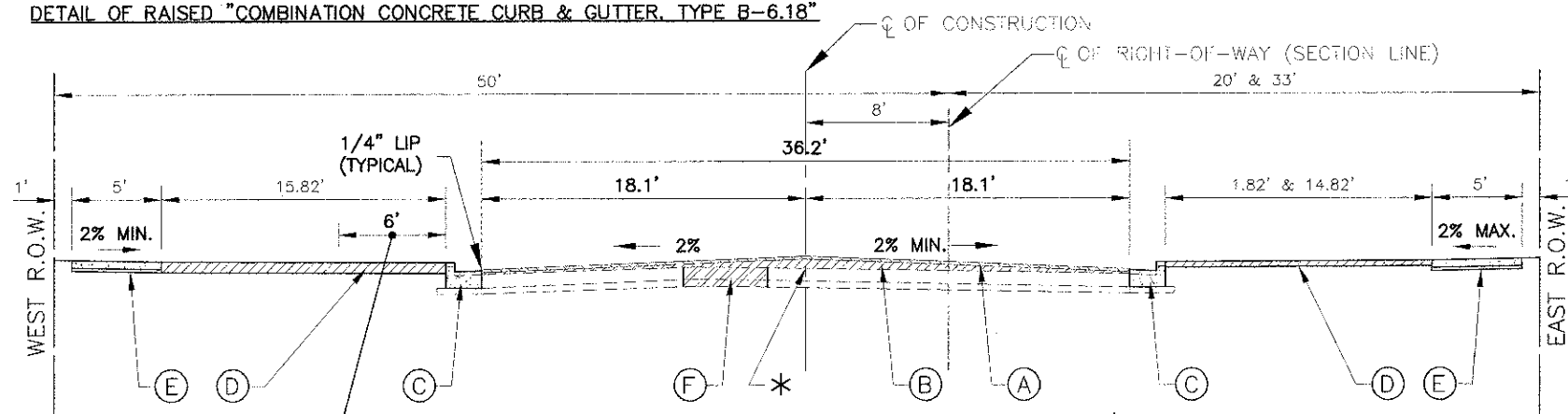
67th STREET TO NORTH OF CATHERINE ANN DRIVE  
 STA. 9+45 TO STA. 52+69



DETAIL OF "HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH" AT EXISTING DEPRESSED CURBS FOR HOT-MIX ASPHALT DRIVEWAYS



DETAIL OF RAISED "COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18"



**PROPOSED TYPICAL SECTION**

67th STREET TO NORTH OF CATHERINE ANN DRIVE  
 STA. 9+45 TO STA. 52+69

**EAST AVENUE**

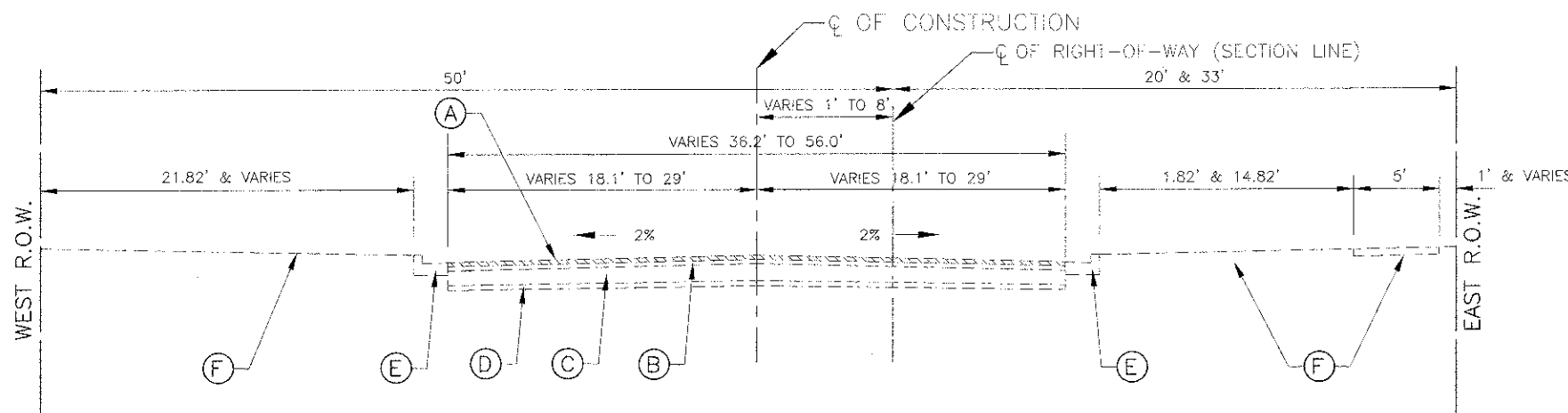
\* AT LOCATIONS WHERE PROPOSED LEVELING BINDER (MACHINE METHOD) EXCEEDS 2-1/4 INCH THICKNESS, THE LEVELING BINDER SHALL BE CONSTRUCTED IN 2 LIFTS, MINIMUM 3/4 INCH THICKNESS

FILE NAME	VILLAGE OF HODGKINS EAST AVENUE 67TH ST. TO JOLIET RD.	USER NAME		DESIGNED	- THK	REVISED	- JLC 10-15-12
		PLLOT SCALE		DRAWN	- JFP	REVISED	- JLC 11-02-12
		PLLOT DATE		CHECKED	- JLC	REVISED	-
				DATE	- 4/12	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

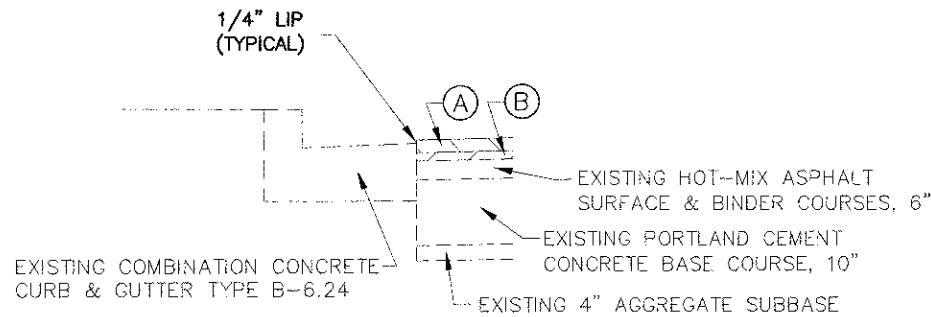
**TYPICAL SECTIONS &  
 HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

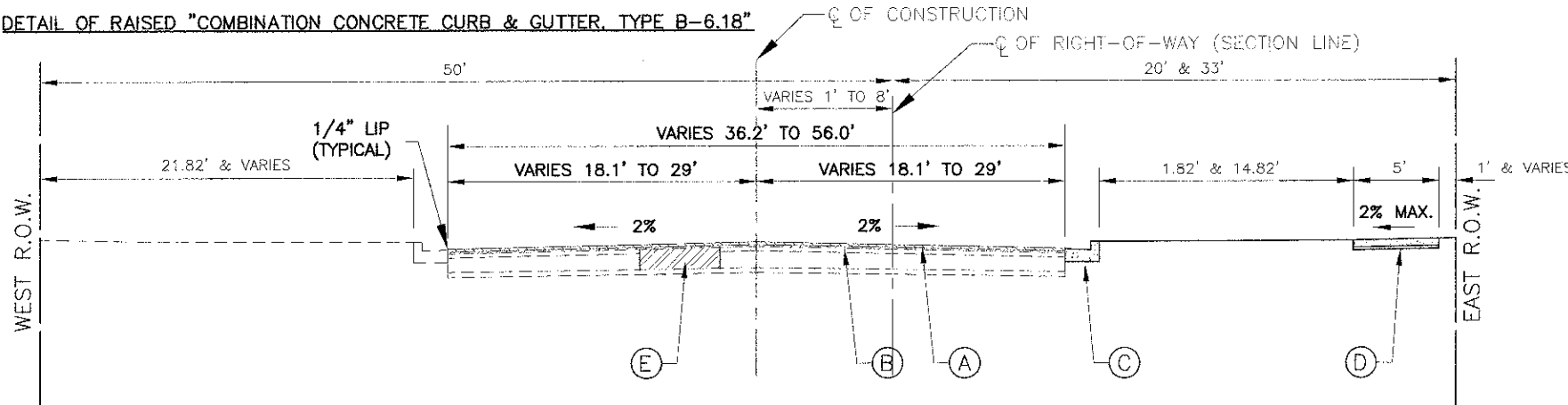


**EXISTING TYPICAL SECTION**

NORTH OF CATHERINE ANN DRIVE TO JOLIET ROAD  
STA. 52+69 TO STA. 60+63



**DETAIL OF RAISED "COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18"**



**PROPOSED TYPICAL SECTION**

NORTH OF CATHERINE ANN DRIVE TO JOLIET ROAD  
STA. 52+69 TO STA. 60+63

**EAST AVENUE**

**EXISTING LEGEND**

- (A) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3" (FULL WIDTH) OR PROPOSED "HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH", 0" AT STA. 52+69 TO 3" AT STA. 53+39
  - (B) EXISTING HOT-MIX ASPHALT SURFACE & BINDER COURSES, 6"
  - (C) EXISTING PORTLAND CEMENT CONCRETE BASE COURSE, 10"
  - (D) EXISTING 4" AGGREGATE SUBBASE
  - (E) EXISTING COMBINATION CONCRETE CURB & GUTTER TYPE B-6.24
  - (F) EXISTING PORTLAND CEMENT CONCRETE DRIVEWAY, HOT-MIX ASPHALT SURFACE DRIVEWAY, PORTLAND CEMENT CONCRETE SIDEWALK (STA. 52+69 TO STA. 59+02, EAST SIDE), AND EXISTING GRASS PARKWAY
- ////// INDICATES REMOVAL ITEM

NOTE: CONTRACTOR SHALL MILL BEFORE PATCHING.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ NDES
<b>PAVEMENT</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL-9.5mm), 2"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1" AVG.	4% @ 50 GYR
<b>PATCHING</b>	
CLASS D PATCH, TYPE I-II, (HMA BINDER IL-19 mm), 13" (6 LIFTS)	4% @ 70 GYR

THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD./IN.  
"THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS"  
"FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS"

**PROPOSED LEGEND**

- (A) PROPOSED "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH
- (B) PROPOSED "POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50" 1 INCH AVG.
- (C) PROPOSED "COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24", SPOT REPAIR
- (D) PROPOSED "PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH" OR 8 INCH (AS DIRECTED) ON "SUBBASE GRANULAR MATERIAL, TYPE B, 2 INCH"
- (E) PROPOSED "CLASS D PATCHES, TYPE I - II, 13 INCH"-AS DIRECTED

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

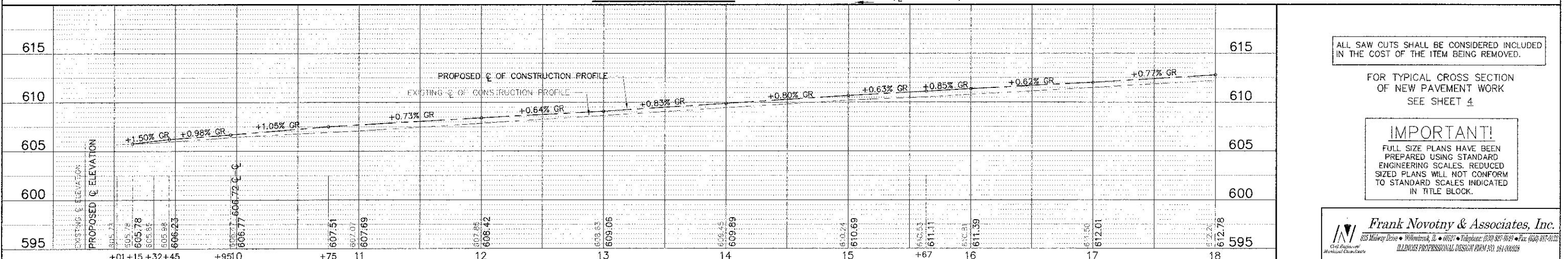
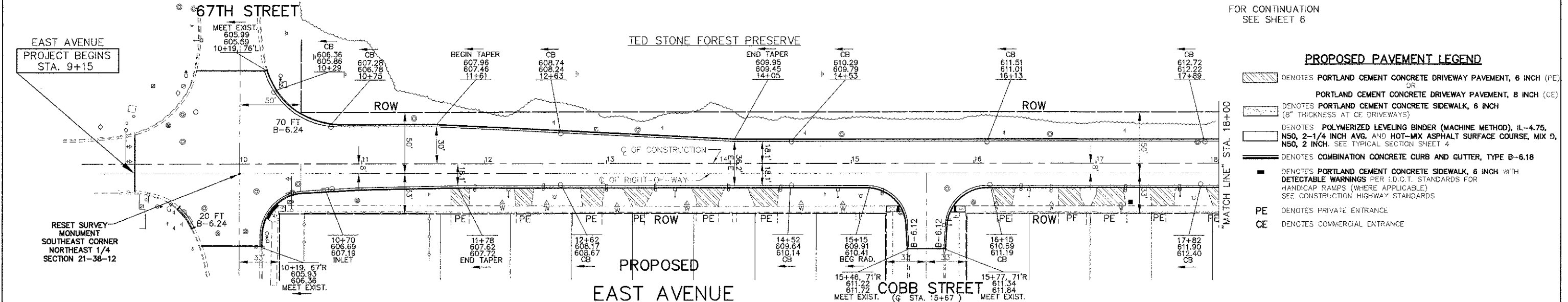
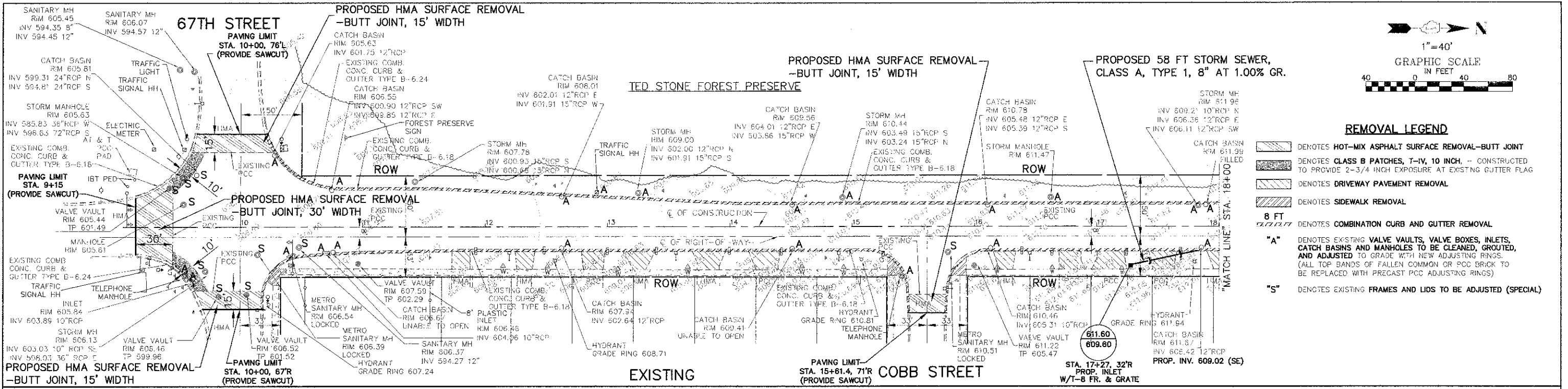
**Frank Novotny & Associates, Inc.**  
Civil Engineer of Municipal Contractors  
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-00008

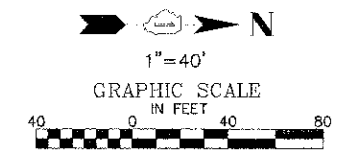
FILE NAME VILLAGE OF HODGKINS EAST AVENUE 67TH ST. TO JOLIET RD. RESURFACING	USER NAME =	DESIGNED -- THK	REVISION -- JLC 10-15-12
		DRAWN -- JFP	REVISION --
		CHECKED -- JLC	REVISION --
		DATE -- 4/12	REVISION --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS &amp; HOT-MIX ASPHALT MIXTURE REQUIREMENTS</b>	
SCALE: 1" = 10'	SHEET NO. OF SHEETS STA. TO STA.

F.A. NO. 2719	SECTION 11-00019-00-RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 5
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	M-9003 (862)	



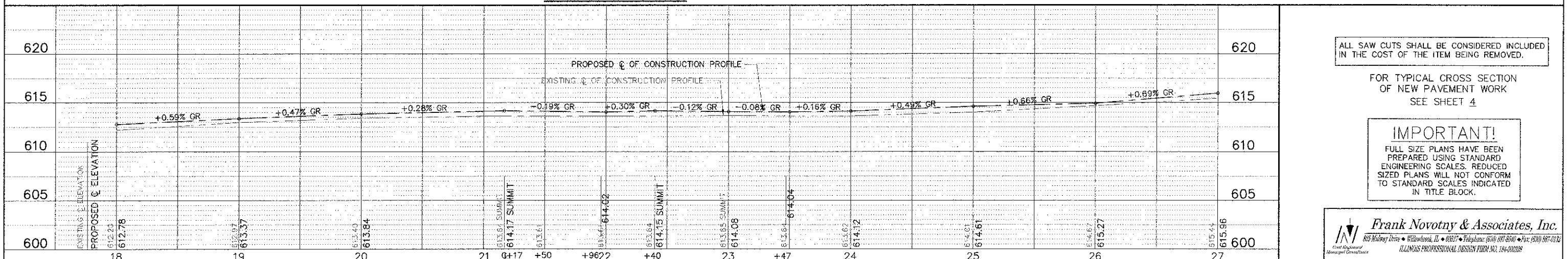
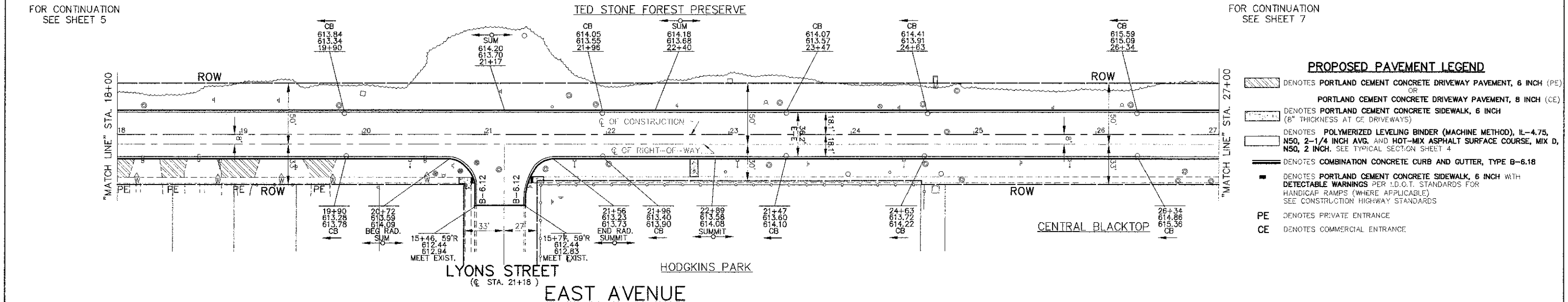
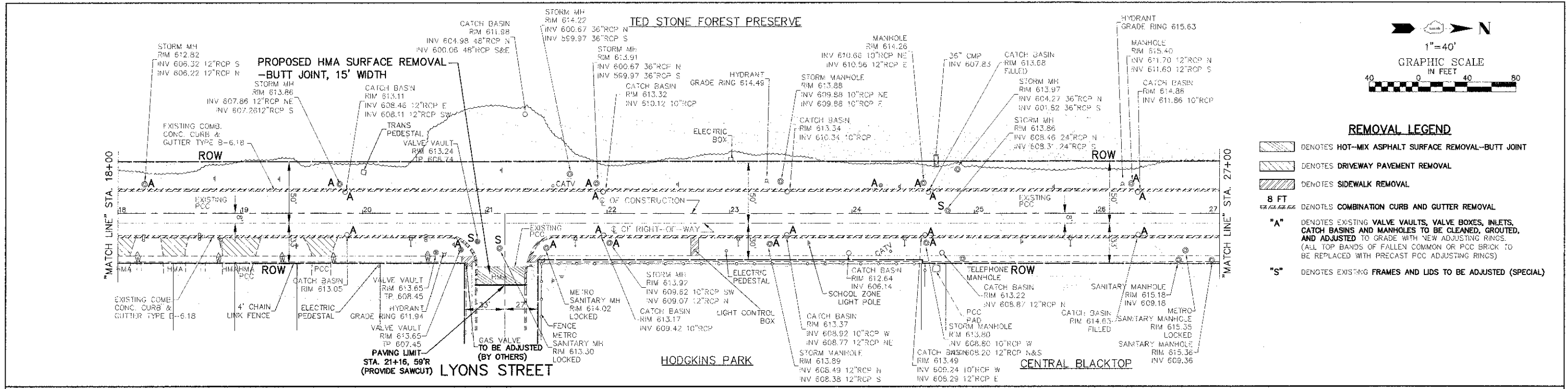


**REMOVAL LEGEND**

- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL--BUTT JOINT
- DENOTES DRIVEWAY PAVEMENT REMOVAL
- DENOTES SIDEWALK REMOVAL
- DENOTES COMBINATION CURB AND GUTTER REMOVAL
- "A"** DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUTED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN COMMON OR PCC BRICK TO BE REPLACED WITH PRECAST PCC ADJUSTING RINGS)
- "S"** DENOTES EXISTING FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

**PROPOSED PAVEMENT LEGEND**

- DENOTES PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH (PE) OR PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH (CE)
- DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH (8" THICKNESS AT CE DRIVEWAYS)
- DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, NSO, 2-1/4 INCH AVG. AND HOT-MIX ASPHALT SURFACE COURSE, MIX D, NSO, 2 INCH. SEE TYPICAL SECTION SHEET 4
- DENOTES COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH WITH DETECTABLE WARNINGS PER I.D.O.T. STANDARDS FOR HANDICAP RAMPS (WHERE APPLICABLE) SEE CONSTRUCTION HIGHWAY STANDARDS
- PE DENOTES PRIVATE ENTRANCE
- CE DENOTES COMMERCIAL ENTRANCE



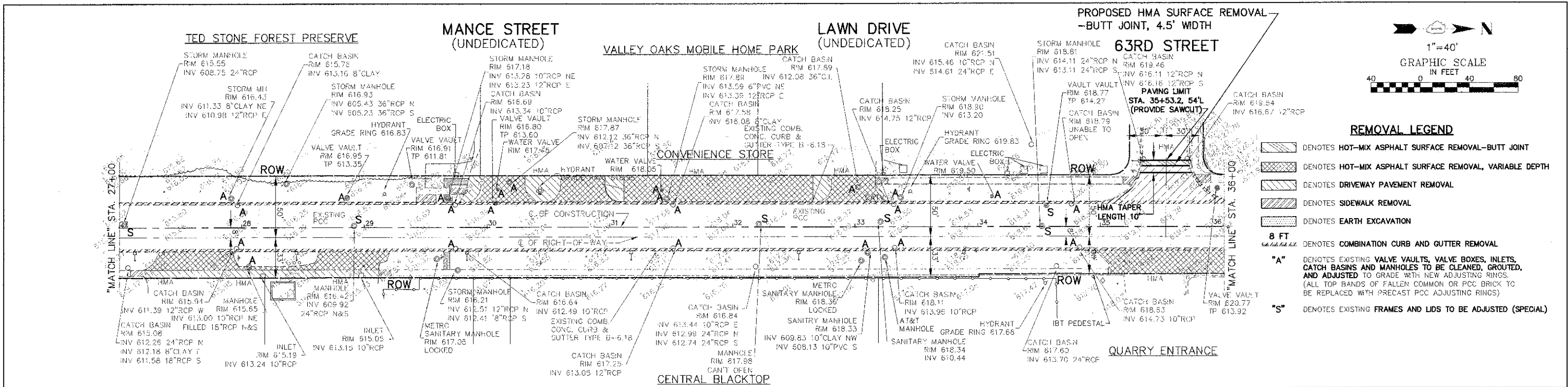
ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 4

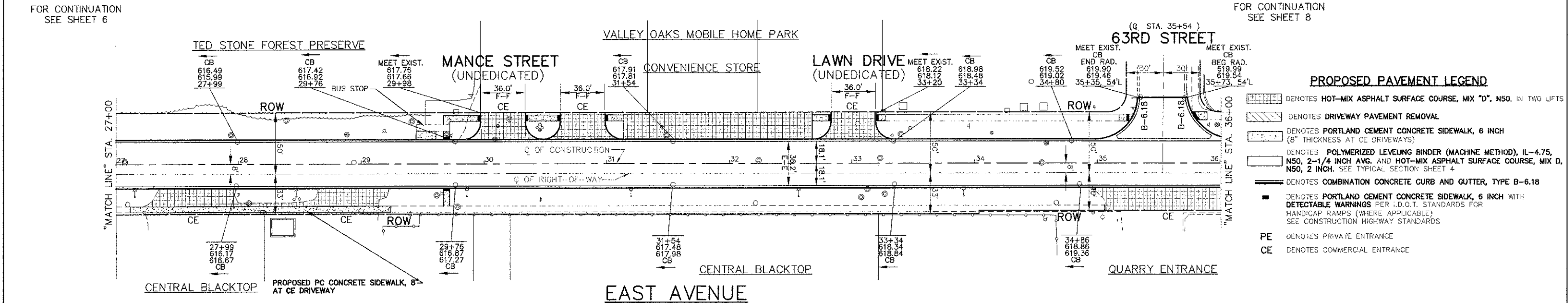
**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.



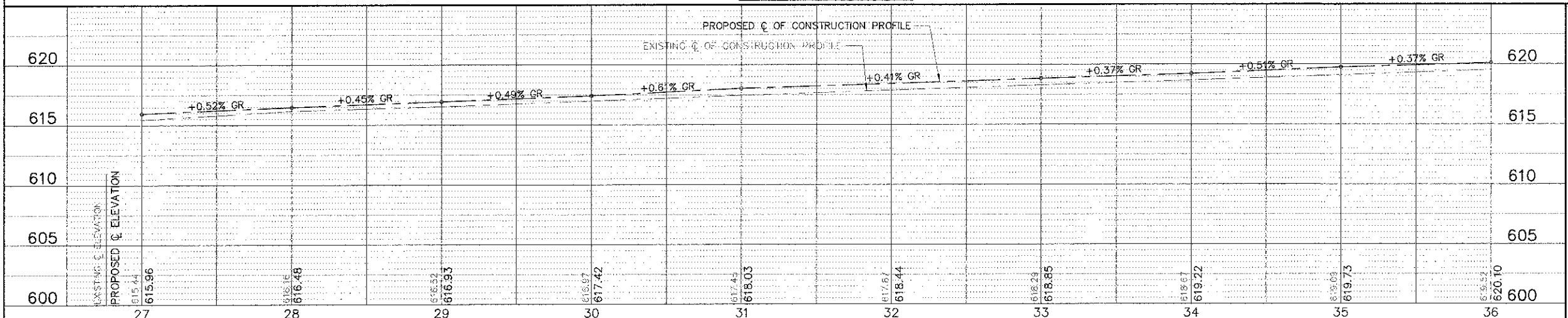
FILE NAME VILLAGE OF HODGKINS EAST AVENUE 67TH ST. TO JOULET RD. RESURFACING	USER NAME DESIGNED - THK DRAWN - JJP CHECKED - JLC DATE - 4/12	REVISIONS REVISED - JLC 10-15-12 REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE: EAST AVENUE - STA. 18+00 TO 27+00 (RESURFACING) SCALE: 1"=40'	SHEET NO. OF SHEETS 2719 11-00019-00-RS COUNTY COOK TOTAL SHEETS 29 SHEET NO. 7 CONTRACT NO. 63736 ILLINOIS FED. AID PROJECT M-9003 (868)
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- REMOVAL LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL—BUTT JOINT
  - DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
  - DENOTES DRIVEWAY PAVEMENT REMOVAL
  - DENOTES SIDEWALK REMOVAL
  - DENOTES EARTH EXCAVATION
  - 8 FT DENOTES COMBINATION CURB AND GUTTER REMOVAL
  - "A"** DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUTED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN COMMON OR PCC BRICK TO BE REPLACED WITH PRECAST PCC ADJUSTING RINGS)
  - "S"** DENOTES EXISTING FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)



- PROPOSED PAVEMENT LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, IN TWO LIFTS
  - DENOTES DRIVEWAY PAVEMENT REMOVAL
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH (6" THICKNESS AT CE DRIVEWAYS)
  - DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 2-1/4 INCH AVG. AND HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2 INCH. SEE TYPICAL SECTION SHEET 4
  - DENOTES COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH WITH DETECTABLE WARNINGS PER I.D.O.T. STANDARDS FOR HANDICAP RAMPS (WHERE APPLICABLE) SEE CONSTRUCTION HIGHWAY STANDARDS
  - PE DENOTES PRIVATE ENTRANCE
  - CE DENOTES COMMERCIAL ENTRANCE



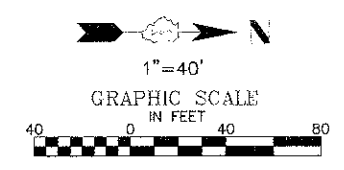
ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 4

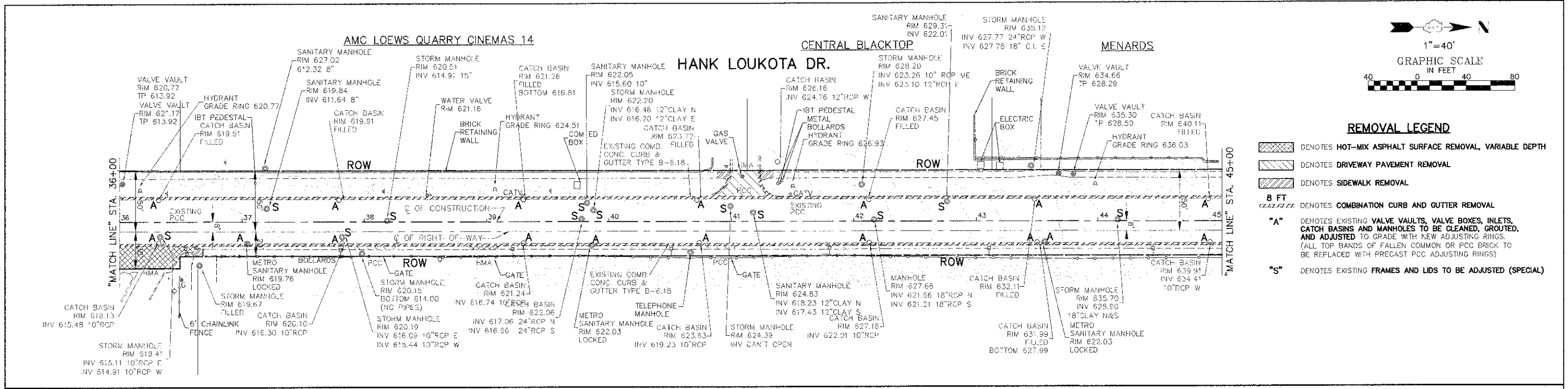
**IMPORTANT!**  
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME: VILLAGE OF HODGKINS EAST AVENUE 67TH ST. TO JOLIET RD. RESURFACING	USER NAME: =	DESIGNED: THK	REVISED: JLC 8-15-12	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	PLAN & PROFILE: EAST AVENUE - STA. 27+00 TO STA. 36+00 (RESURFACING)	FAU: 2719	SECTION: 11-00019-00-RS	COUNTY: COOK	TOTAL SHEETS: 8	
	DESIGNED: JEP	REVISED: JLC 10-15-12	SCALE: 1"=40'		SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 63736	ILLINOIS PROFESSIONAL DESIGN FIRM NO. 061-040626		
	CHECKED: JLC	REVISED: =					M-9003 (868)			
	DATE: 4/12	REVISED: =								



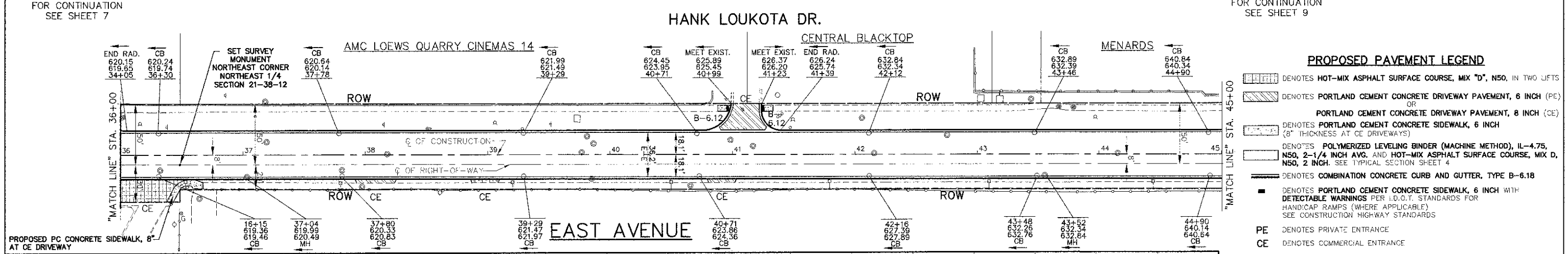


- REMOVAL LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
  - DENOTES DRIVEWAY PAVEMENT REMOVAL
  - DENOTES SIDEWALK REMOVAL
  - 8 FT. DENOTES COMBINATION CURB AND GUTTER REMOVAL
  - "A"** DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUTED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN COMMON OR PCC BRICK TO BE REPLACED WITH PRECAST PCC ADJUSTING RINGS)
  - "S"** DENOTES EXISTING FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

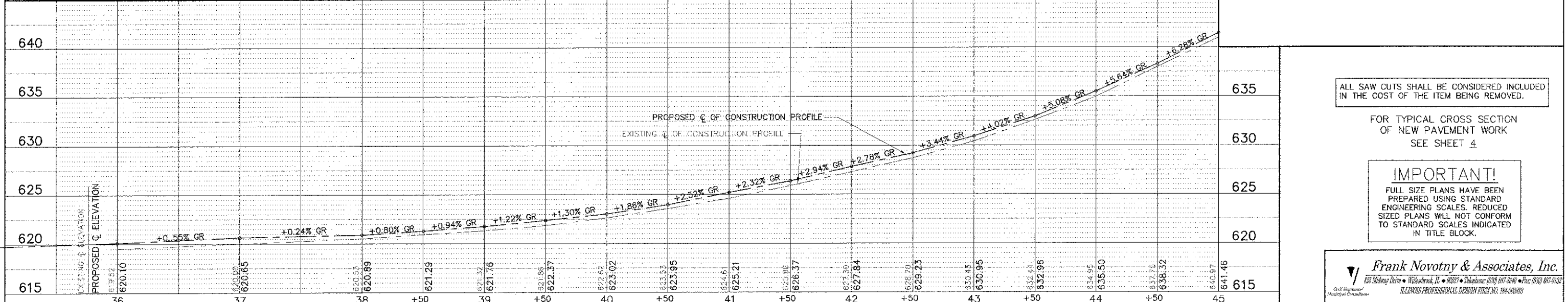


FOR CONTINUATION  
SEE SHEET 7

FOR CONTINUATION  
SEE SHEET 9



- PROPOSED PAVEMENT LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, IN TWO LIFTS
  - DENOTES PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH (PE) OR PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH (CE)
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH (6" THICKNESS AT CE DRIVEWAYS)
  - DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 2-1/4 INCH AVG. AND HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2 INCH. SEE TYPICAL SECTION SHEET 4
  - DENOTES COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
  - DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH WITH DETECTABLE WARNINGS PER I.D.O.T. STANDARDS FOR HANDICAP RAMPS (WHERE APPLICABLE) SEE CONSTRUCTION HIGHWAY STANDARDS
  - PE DENOTES PRIVATE ENTRANCE
  - CE DENOTES COMMERCIAL ENTRANCE



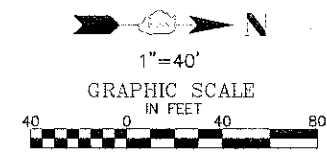
ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 4

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

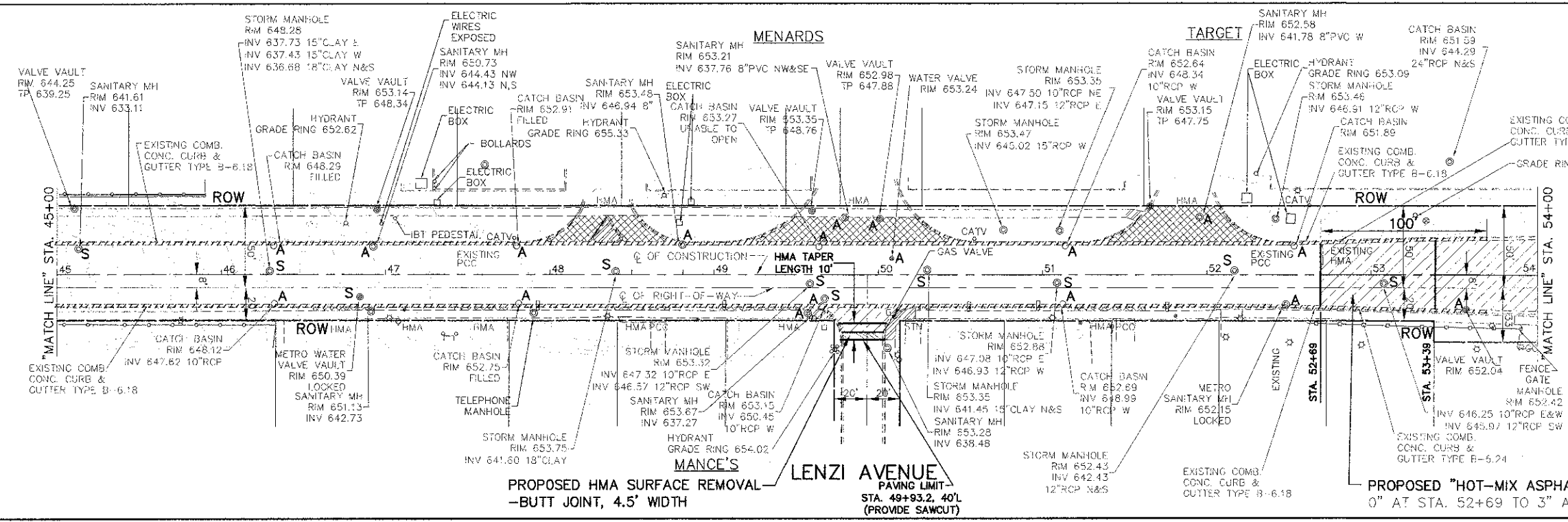
FILE NAME: VILLAGE OF HODGKINS EAST AVENUE 67TH ST. TO JOLIET RD. RESURFACING	USER NAME: =	DESIGNED: -- THK	REVISIONS: -- JLC 10-15-12	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	PLAN & PROFILE: EAST AVENUE - STA. 36+00 TO STA. 45+00 (RESURFACING)	<table border="1"> <tr> <td>P.L. NO. 2719</td> <td>SECTION 11-00019-00-RS</td> <td>COUNTY COOK</td> <td>TOTAL SHEETS 29</td> <td>SHEET NO. 9</td> </tr> <tr> <td colspan="5" style="text-align: center;">CONTRACT NO. 63736</td> </tr> <tr> <td colspan="5" style="text-align: center;">ILLINOIS FED. AID PROJECT M-9003 (868)</td> </tr> </table>	P.L. NO. 2719	SECTION 11-00019-00-RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 9	CONTRACT NO. 63736					ILLINOIS FED. AID PROJECT M-9003 (868)				
P.L. NO. 2719	SECTION 11-00019-00-RS	COUNTY COOK	TOTAL SHEETS 29		SHEET NO. 9																
CONTRACT NO. 63736																					
ILLINOIS FED. AID PROJECT M-9003 (868)																					
PLOT SCALE: =	CHECKED: -- JLC	REVISIONS: --	SCALE: 1" = 40'																		
PLOT DATE: =	DATE: -- 4/12	REVISIONS: --	SHEET NO. OF SHEETS STA. TO STA.																		

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Civil Engineers  
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ILLINOIS PROFESSIONAL DESIGN #001190118



**REMOVAL LEGEND**

- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL--BUTT JOINT
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3 INCH OR HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH\* 0" AT STA. 52+69 TO 3" AT STA. 53+39
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- DENOTES SIDEWALK REMOVAL
- 8 FT DENOTES COMBINATION CURB AND GUTTER REMOVAL
- "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUDED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN COMMON OR PCC BRICK TO BE REPLACED WITH PRECAST PCC ADJUSTING RINGS)
- "S" DENOTES EXISTING FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

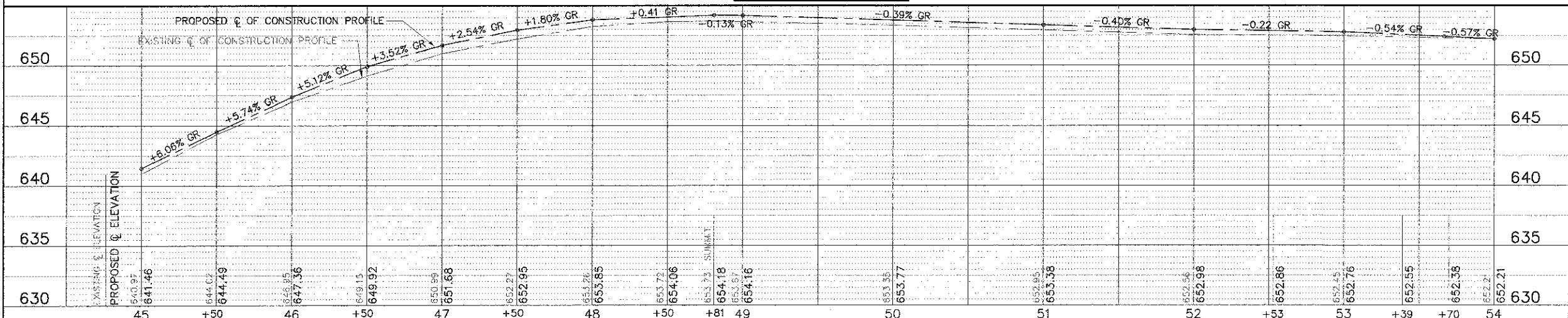
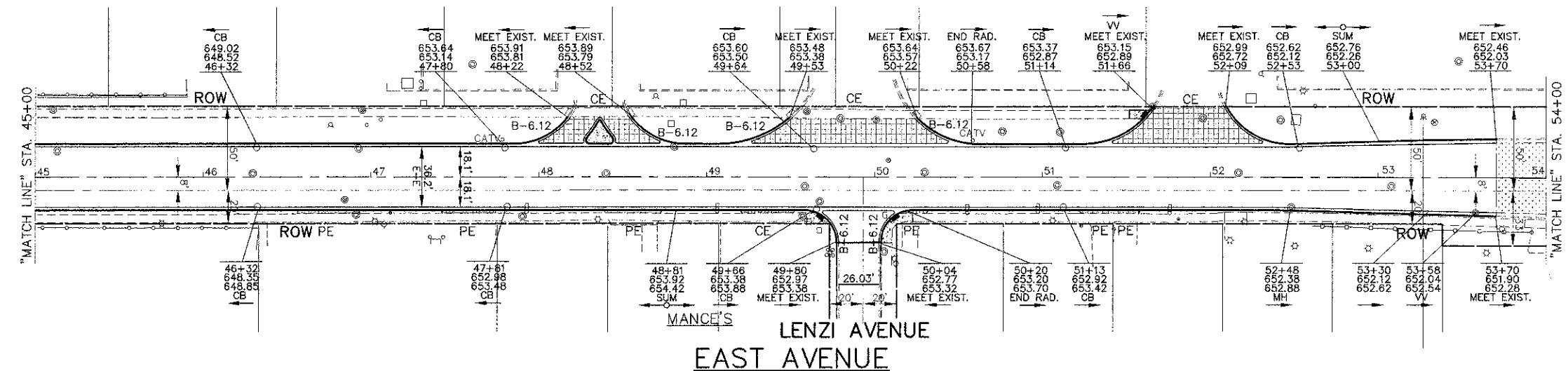


FOR CONTINUATION  
SEE SHEET 8

FOR CONTINUATION  
SEE SHEET 10

**PROPOSED PAVEMENT LEGEND**

- DENOTES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, IN TWO LIFTS
- DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH (8" THICKNESS AT GE DRIVEWAYS)
- DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 2-1/4 INCH AVG. AND HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2 INCH. SEE TYPICAL SECTION SHEET 4
- DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1 INCH AVG. AND HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2 INCH. SEE TYPICAL SECTION SHEET 4
- DENOTES COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH WITH DETECTABLE WARNINGS PER I.D.O.T. STANDARDS FOR HANDICAP RAMPS (WHERE APPLICABLE) SEE CONSTRUCTION HIGHWAY STANDARDS
- PE DENOTES PRIVATE ENTRANCE
- CE DENOTES COMMERCIAL ENTRANCE



ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 4 & 5

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

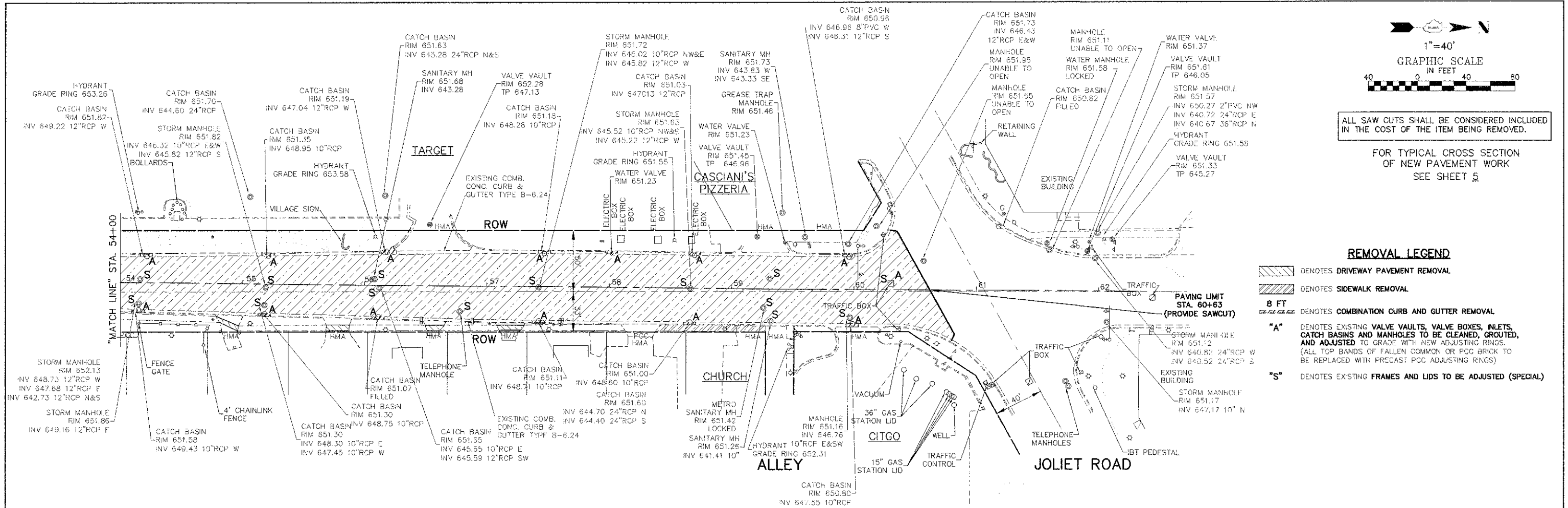
**Frank Novotny & Associates, Inc.**  
 835 Midway Drive • Wheeling, IL • 60097 • Telephone: (815) 937-8810 • Fax: (815) 937-0138  
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-066828

FILE NAME	VILLAGE OF HODGKINS EAST AVENUE 67TH ST. TO JOLIET RD.	USER NAME	DESIGNED -- THK	REVISED -- JLC 10-15-12
PROJECT	RESURFACING	SCALE	DRAWN -- JFP	REVISED --
DATE	4/12	CHECKED -- JLC	REVISED --	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE: EAST AVENUE - STA. 45+00 TO STA. 54+00  
(RESURFACING)  
SCALE: 1"=40' SHEET NO. OF SHEETS 1 STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11-00019-00-RS	COOK	29	10
CONTRACT NO. 63736		FED. ROAD DIST. NO. ILLINOIS (I.D.) AID PROJECT M-9003 (868)	

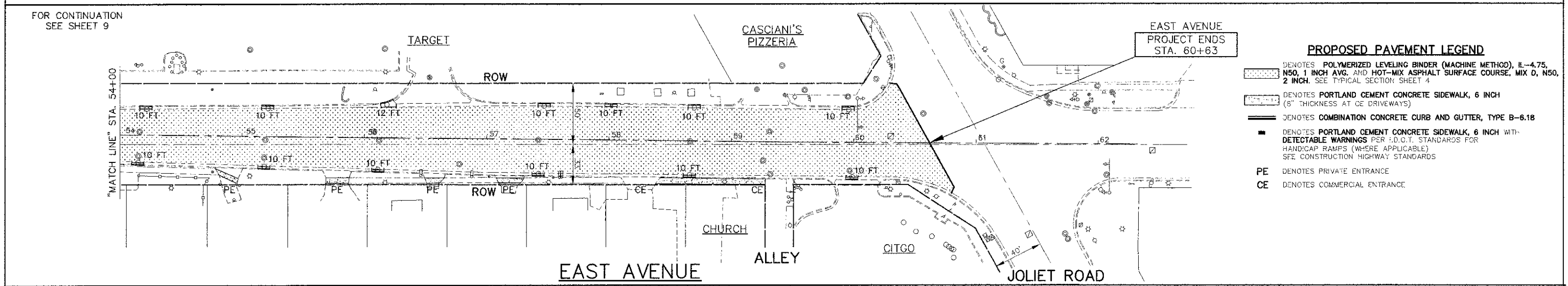


ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 5

**REMOVAL LEGEND**

- DENOTES DRIVEWAY PAVEMENT REMOVAL
- DENOTES SIDEWALK REMOVAL
- 8 FT DENOTES COMBINATION CURB AND GUTTER REMOVAL
- "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUDED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN COMMON OR PCC BRICK TO BE REPLACED WITH PRECAST PCC ADJUSTING RINGS)
- "S" DENOTES EXISTING FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)



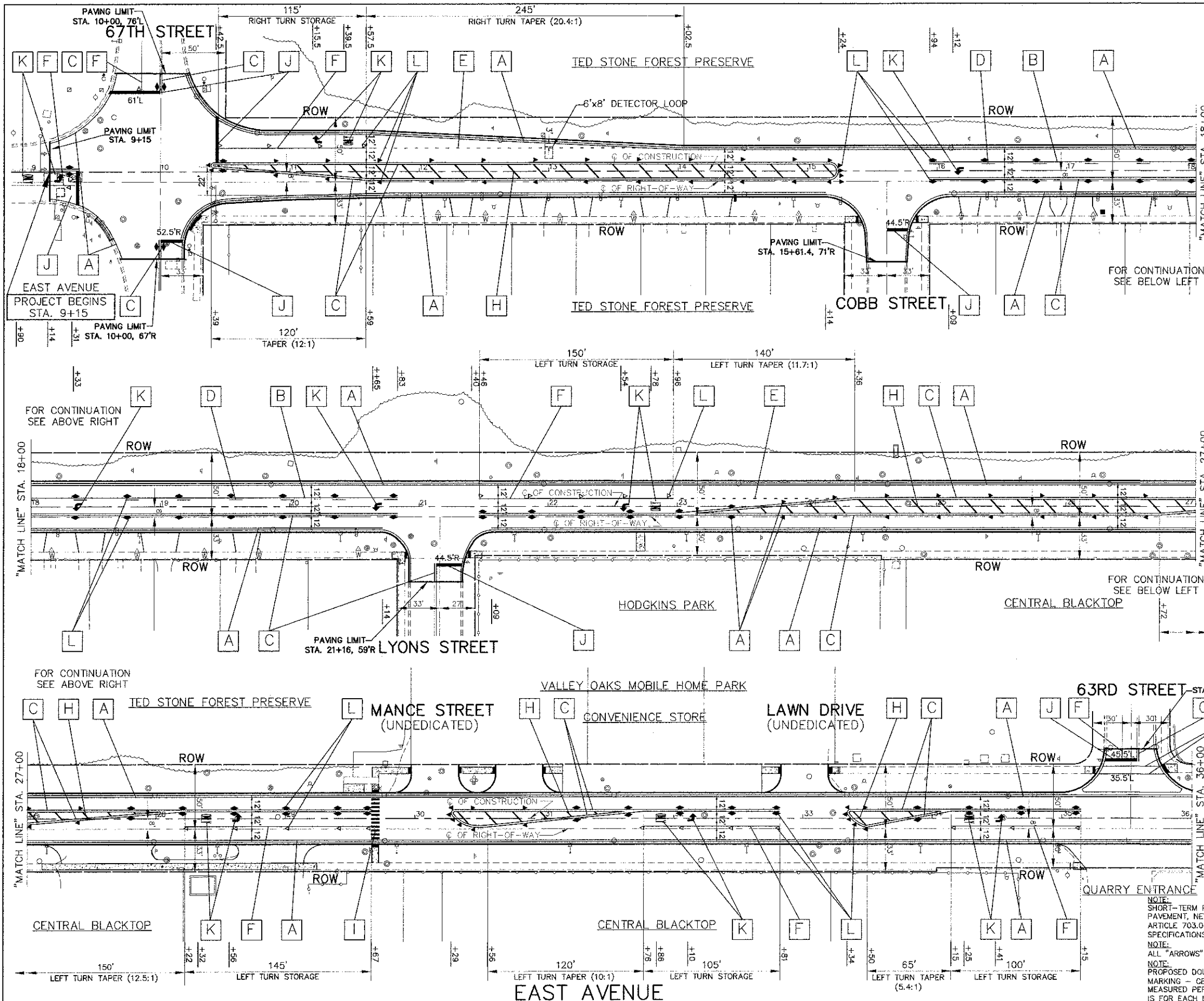
**PROPOSED PAVEMENT LEGEND**

- DENOTES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, NSO, 1 INCH AVG. AND HOT-MIX ASPHALT SURFACE COURSE, MIX D, NSO, 2 INCH. SEE TYPICAL SECTION SHEET 4
- DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH (5" THICKNESS AT CE DRIVEWAYS)
- DENOTES COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- DENOTES PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH WITH DETECTABLE WARNINGS PER I.D.C.T. STANDARDS FOR HANDICAP RAMPS (WHERE APPLICABLE) SEE CONSTRUCTION HIGHWAY STANDARDS
- PE DENOTES PRIVATE ENTRANCE
- CE DENOTES COMMERCIAL ENTRANCE

ELEVATION	EXISTING C.O.F. CONSTRUCTION PROFILE					PROPOSED C.O.F. CONSTRUCTION PROFILE				
	54	55	56	57	58	59	60	61	62	63
650	-0.30% GR	-0.18% GR	+0.12% GR	+0.04% GR	-0.28% GR	+0.21% GR	-0.18% GR	-0.03% GR	+0.18% GR	+0.19% GR
645										
640	652.21	651.31	651.73	651.79	651.77	651.64	651.64	651.75	651.63	651.58

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

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 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-028008



- THERMOPLASTIC STRIPING CODE**
- A PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 4" (EDGE LINE)
  - B PROPOSED SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 4" (LANE LINE)
  - C PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTERLINE 4", 11" O/C
  - D PROPOSED SKIP-DASH YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 4" - 10' DASH, 30' SKIP (LANE LINE)
  - E PROPOSED SKIP-DASH WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" - 2' DASH, 6' SKIP (LANE LINE)
  - F PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (LANE LINE)
  - G PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (PEDESTRIAN CROSSWALK MARKING)
  - H PROPOSED SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 12", 45' DIAGONALS, (MEDIAN LINE)
  - I PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SCHOOL CROSSWALK MARKING)
  - J PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)
  - K PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS

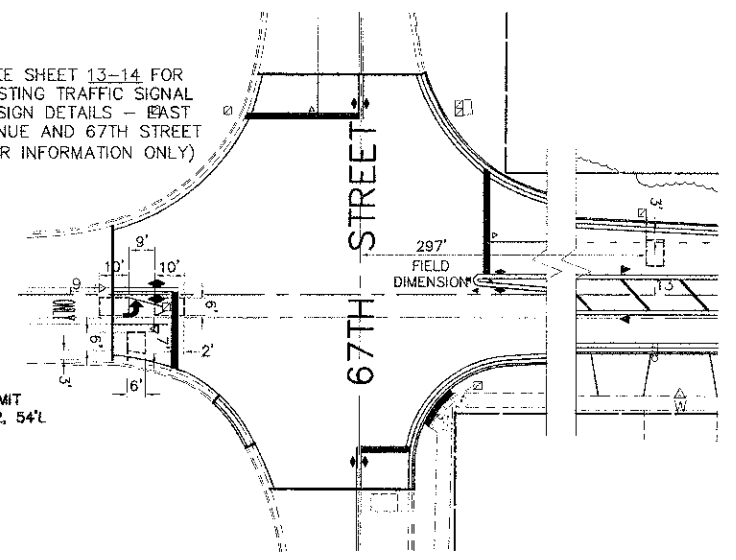
- REFLECTIVE PAVEMENT MARKERS**
- L PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS - 80' O/C OR AS SHOWN
  - ▲ TWO-WAY AMBER MARKER
  - ▶ ONE-WAY AMBER MARKER
  - ▷ ONE-WAY CRYSTAL MARKER

**REFLECTIVE PAVEMENT MARKER REMOVAL**

ON EAST AVENUE, EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REMOVED AND REPLACED. SEE DISTRICT DETAIL TC-11.

**NOTE:**  
PROPOSED PAVEMENT MARKING IS BEING REPLACED IN THE SAME LOCATION.

SEE SHEET 13-14 FOR EXISTING TRAFFIC SIGNAL DESIGN DETAILS - EAST AVENUE AND 67TH STREET (FOR INFORMATION ONLY)



**DETECTOR LOOP REPLACEMENT AT 67TH STREET**

N.T.S.

FOR RAISED REFLECTIVE PAVEMENT MARKING DETAILS SEE SHEET 23 FOR DISTRICT DETAIL TC-11  
FOR PAVEMENT MARKING DETAILS SEE SHEET 24 FOR DISTRICT DETAIL TC-13

**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZE PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

**NOTE:**  
SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE MILLED PAVEMENT, NEW BINDER AND ON THE NEW SURFACE. SEE ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".  
**NOTE:**  
ALL "ARROWS" AND "ONLAYS" SHALL BE 8" IN HEIGHT.  
**NOTE:**  
PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C (NOTE: [C]) IS MEASURED PER LINE. TOTAL QUANTITY AND PAYMENT LENGTH IS FOR EACH LINEAR FOOT OF SINGLE 4" STRIPE INSTALLED.

FILE NAME	VILLAGE OF HODGKINS EAST AVENUE 67TH ST. TO JOLIET RD. RESURFACING
-----------	---

USER NAME	
DESIGNED	TJK
DRAWN	JFP
CHECKED	JLC
DATE	4/12

REVISED	JLC 8-15-12
REVISED	JLC 10-15-12
REVISED	
REVISED	

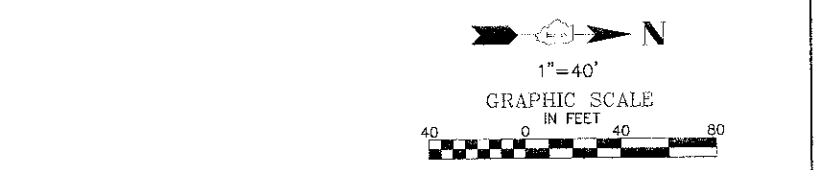
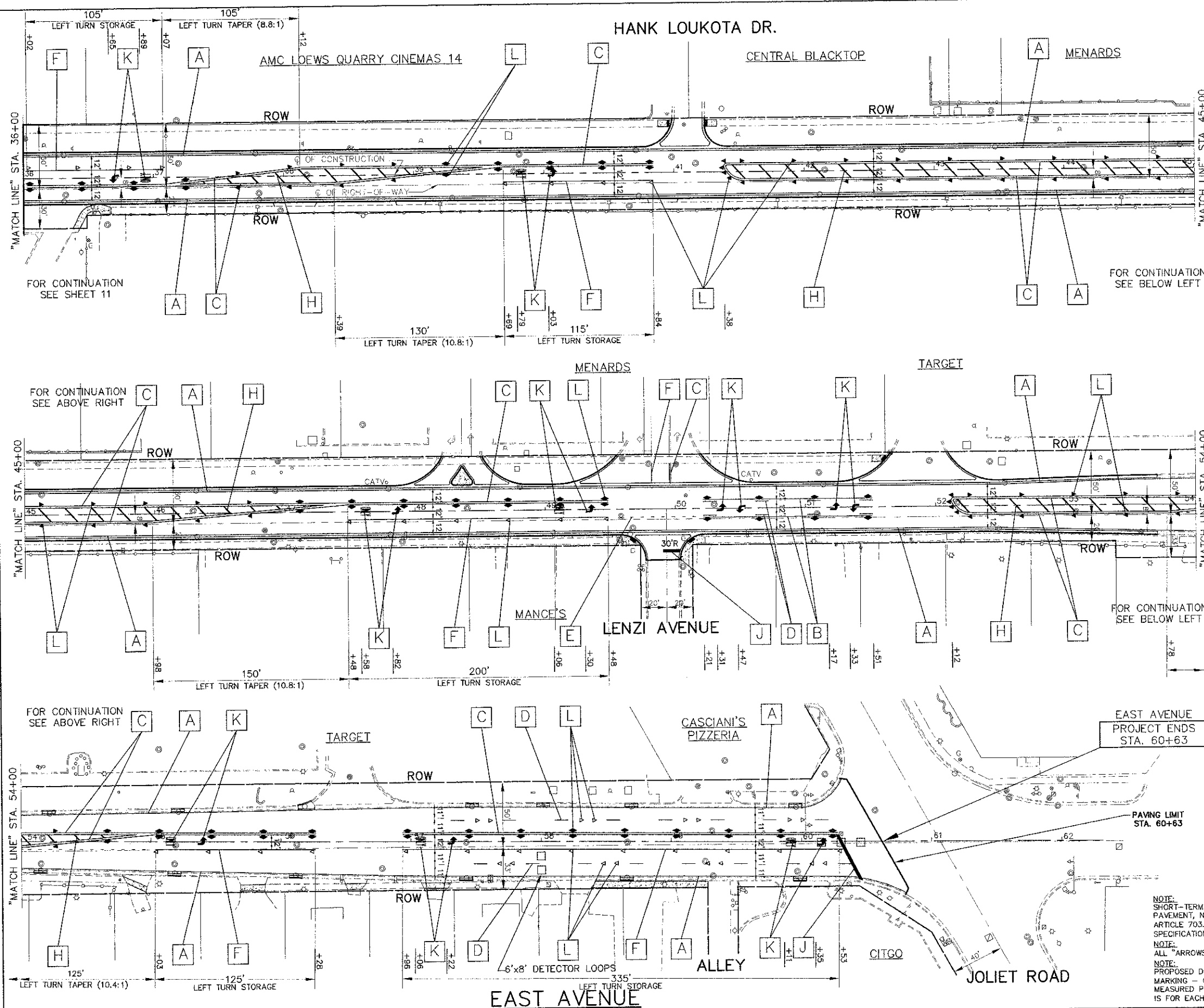
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN: EAST AVENUE - 67TH STREET TO STA. 36+00  
(PAVEMENT MARKING)

SCALE	1" = 40'
SHEET NO.	OF SHEETS
STA.	TO STA.

**Frank Novotny & Associates, Inc.**  
Civil Engineer  
Professional Seal  
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 101-000205

PLAN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	11-00018-00-RS	COOK	29	12
CONTRACT NO. 63736				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT NO. M-9003 (86B)				

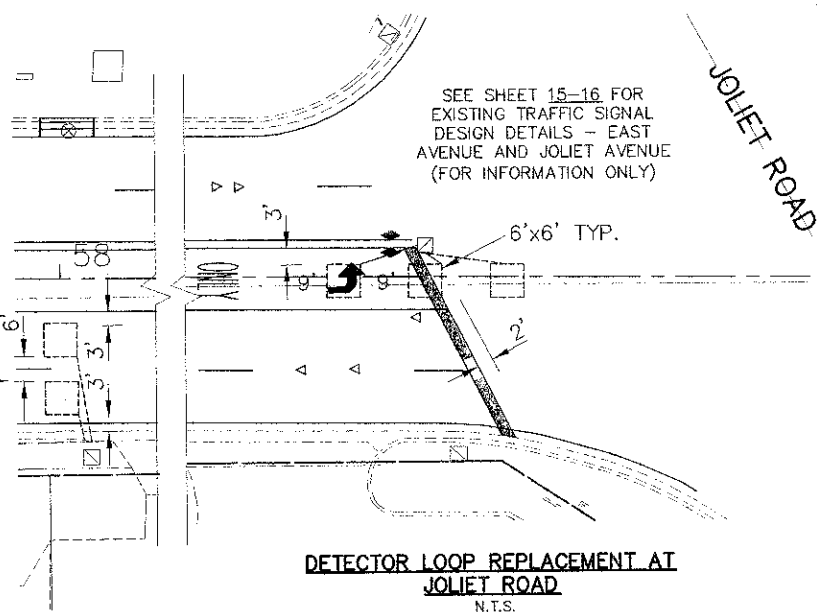


- THERMOPLASTIC STRIPING CODE**
- A PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 4" (EDGE LINE)
  - B PROPOSED SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 4" (LANE LINE)
  - C PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTERLINE 4" .11" O/C
  - D PROPOSED SKIP-DASH YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 4" - 10' DASH, 30' SKIP (LANE LINE)
  - E PROPOSED SKIP-DASH WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" - 2' DASH, 6' SKIP (LANE LINE)
  - F PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (LANE LINE)
  - G PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (PEDESTRIAN CROSSWALK MARKING)
  - H PROPOSED SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 12", 45° DIAGONALS, (MEDIAN LINE)
  - I PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SCHOOL CROSSWALK MARKING)
  - J PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)
  - K PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS

- REFLECTIVE PAVEMENT MARKERS**
- L PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS - 80' O/C OR AS SHOWN
  - ▶ TWO-WAY AMBER MARKER
  - ▶ ONE-WAY AMBER MARKER
  - ▶ ONE-WAY CRYSTAL MARKER

**REFLECTIVE PAVEMENT MARKER REMOVAL**  
 ON EAST AVENUE, EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REMOVED AND REPLACED. SEE DISTRICT DETAIL TC-11.

**NOTE:**  
 PROPOSED PAVEMENT MARKING IS BEING REPLACED IN THE SAME LOCATION.



**DETECTOR LOOP REPLACEMENT AT JOLIET ROAD**  
 N.T.S.  
 FOR RAISED REFLECTIVE PAVEMENT MARKING DETAILS SEE SHEET 23 FOR DISTRICT DETAIL TC-11  
 FOR PAVEMENT MARKING DETAILS SEE SHEET 24 FOR DISTRICT DETAIL TC-13

**IMPORTANT!**  
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

**NOTE:**  
 SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE MILLED PAVEMENT, NEW BINDER AND ON THE NEW SURFACE. SEE ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

**NOTE:**  
 ALL "ARROWS" AND "ONLYS" SHALL BE 8" IN HEIGHT.

**NOTE:**  
 PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C (NOTE: [C]) IS MEASURED PER LINE. TOTAL QUANTITY AND PAYMENT LENGTH IS FOR EACH LINEAR FOOT OF SINGLE 4" STRIPE INSTALLED.

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 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 194-04805

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	11-00019-00-RS	COOK	29	13
CONTRACT NO. 63736			M-9003 (868)	

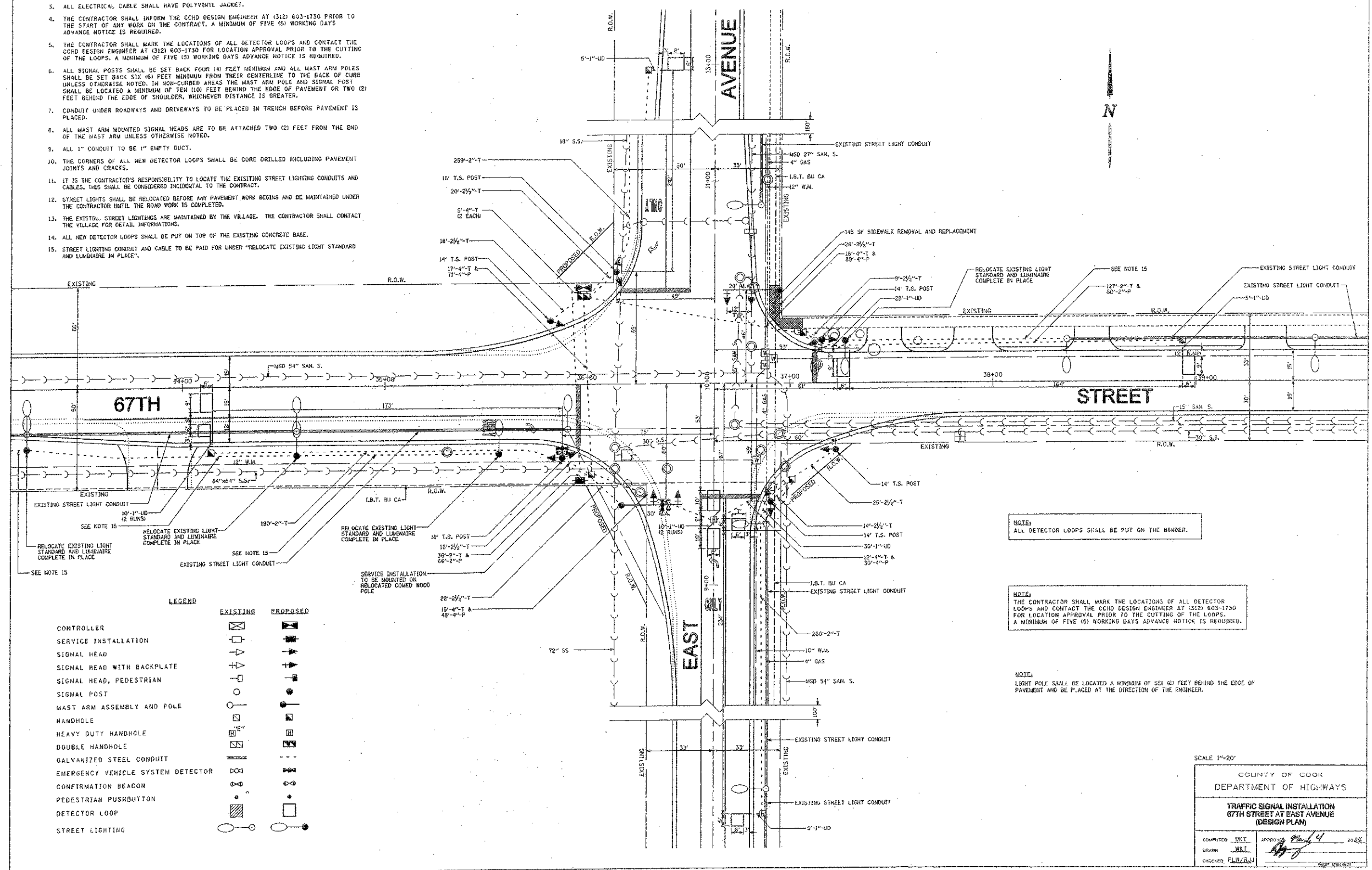
FILE NAME: VILLAGE OF HODGKINS EAST AVENUE 67TH ST. TO JOLIET RD. RESURFACING	USER NAME: [blank]	DESIGNED: THK	REVISION: J.C. 10-15-12	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN: EAST AVENUE - STA. 36+00 TO JOLIET ROAD (PAVEMENT MARKING)</b>		
	DESIGNED: J.C.	CHECKED: J.C.	DATE: 4/12		SCALE: 1"=40'	SHEET NO. OF SHEETS	STA. TO STA.

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
BTO	2003		

SECTION: 02-BT021-03-CH

**NOTES:**

- THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR EXACT LOCATIONS OF THE UTILITIES, CALL J.M.A.I.E. TOLL FREE AT (800) 892-0123.
- VEHICLE LOOP DETECTOR SHALL BE COMPATIBLE WITH THE CONTROL EQUIPMENT.
- ALL ELECTRICAL CABLE SHALL HAVE POLYVINYL JACKET.
- THE CONTRACTOR SHALL INFORM THE CCHD DESIGN ENGINEER AT (312) 603-1730 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
- THE CONTRACTOR SHALL MARK THE LOCATIONS OF ALL DETECTOR LOOPS AND CONTACT THE CCHD DESIGN ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
- ALL SIGNAL POSTS SHALL BE SET BACK FOUR (4) FEET MINIMUM AND ALL MAST ARM POLES SHALL BE SET BACK SIX (6) FEET MINIMUM FROM THEIR CENTERLINE TO THE BACK OF CURB UNLESS OTHERWISE NOTED. IN NON-CURBED AREAS THE MAST ARM POLE AND SIGNAL POST SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER.
- CONDUIT UNDER ROADWAYS AND DRIVEWAYS TO BE PLACED IN TRENCH BEFORE PAVEMENT IS PLACED.
- ALL MAST ARM MOUNTED SIGNAL HEADS ARE TO BE ATTACHED TWO (2) FEET FROM THE END OF THE MAST ARM UNLESS OTHERWISE NOTED.
- ALL 1" CONDUIT TO BE 1" EMPTY DUCT.
- THE CORNERS OF ALL NEW DETECTOR LOOPS SHALL BE CORE DRILLED INCLUDING PAVEMENT JOINTS AND CRACKS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE EXISTING STREET LIGHTING CONDUITS AND CABLES. THIS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- STREET LIGHTS SHALL BE RELOCATED BEFORE ANY PAVEMENT WORK BEGINS AND BE MAINTAINED UNDER THE CONTRACTOR UNTIL THE ROAD WORK IS COMPLETED.
- THE EXISTING STREET LIGHTINGS ARE MAINTAINED BY THE VILLAGE. THE CONTRACTOR SHALL CONTACT THE VILLAGE FOR DETAIL INFORMATION.
- ALL NEW DETECTOR LOOPS SHALL BE PUT ON TOP OF THE EXISTING CONCRETE BASE.
- STREET LIGHTING CONDUIT AND CABLE TO BE PAID FOR UNDER "RELOCATE EXISTING LIGHT STANDARD AND LUMINAIRE IN PLACE".



**LEGEND**

	EXISTING	PROPOSED
CONTROLLER	[Symbol]	[Symbol]
SERVICE INSTALLATION	[Symbol]	[Symbol]
SIGNAL HEAD	[Symbol]	[Symbol]
SIGNAL HEAD WITH BACKPLATE	[Symbol]	[Symbol]
SIGNAL HEAD, PEDESTRIAN	[Symbol]	[Symbol]
SIGNAL POST	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE	[Symbol]	[Symbol]
HANDHOLE	[Symbol]	[Symbol]
HEAVY DUTY HANDHOLE	[Symbol]	[Symbol]
DOUBLE HANDHOLE	[Symbol]	[Symbol]
GALVANIZED STEEL CONDUIT	[Symbol]	[Symbol]
EMERGENCY VEHICLE SYSTEM DETECTOR	[Symbol]	[Symbol]
CONFIRMATION BEACON	[Symbol]	[Symbol]
PEDESTRIAN PUSHBUTTON	[Symbol]	[Symbol]
DETECTOR LOOP	[Symbol]	[Symbol]
STREET LIGHTING	[Symbol]	[Symbol]

NOTE:  
ALL DETECTOR LOOPS SHALL BE PUT ON THE BINDER.

NOTE:  
THE CONTRACTOR SHALL MARK THE LOCATIONS OF ALL DETECTOR LOOPS AND CONTACT THE CCHD DESIGN ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.

NOTE:  
LIGHT POLE SHALL BE LOCATED A MINIMUM OF SIX (6) FEET BEHIND THE EDGE OF PAVEMENT AND BE PLACED AT THE DIRECTION OF THE ENGINEER.

SCALE 1"=20'

COUNTY OF COOK	
DEPARTMENT OF HIGHWAYS	
TRAFFIC SIGNAL INSTALLATION 67TH STREET AT EAST AVENUE (DESIGN PLAN)	
COMPUTED BY: [Signature]	APPROVED BY: [Signature]
DRAWN BY: [Signature]	CHECKED BY: [Signature]

FILE NAME	VILLAGE OF HODGKINS EAST AVENUE 67TH ST. TO JOLIET RD.
USER NAME	
PROJECT SCALE	
PROJECT DATE	
RESURFACING	

DESIGNED	THK
DRAWN	Jf1?
CHECKED	J.C.
DATE	4/12

REVISED	
REVISED	
REVISED	
REVISED	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL DESIGN DETAILS -  
EAST AVENUE AND 67TH STREET  
(FOR INFORMATION ONLY)

SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.
---------------	---------------------	--------------

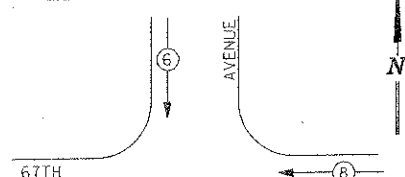
**Frank Novotny & Associates, Inc.**  
185 Midway Drive • Wheeling, IL • 60091 • Telephone: (815) 857-8600 • Fax: (815) 857-0130  
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000028

PLAN SHEET NO.	SECTION	COUNTY	TOTAL SHEETS
2719	11-00019-00-RS	COOK	29 14
CONTRACT NO. 63736		FED. ROAD DIST. NO. ILLINOIS	

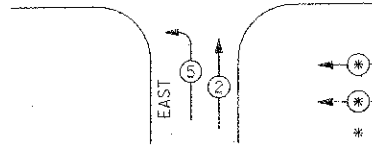
COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
670	2003		

SECTION: 02-B7021-03-CH

**CONTROLLER SEQUENCE**



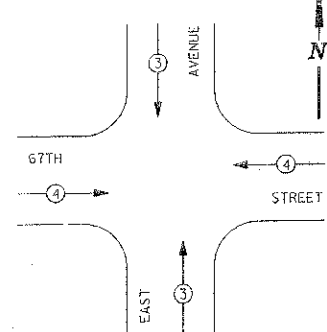
STREET



**PHASE DESIGNATION DIAGRAM**  
DUAL ENTRY - ALL LEGS  
PROTECTED / PERMITTED LEFT TURN PHASING

**LEGEND**  
 \* VEHICULAR MOVEMENT  
 \* PEDESTRIAN PHASE  
 \* NUMBER REFERS TO ASSOCIATED PHASE

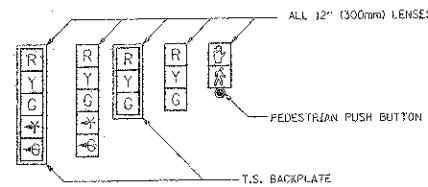
**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



PROPOSED EMERGENCY VEHICLE PREEMPTOR	EMERGENCY VEHICLE PREEMPTOR	MOVEMENT
3	4	

**NOTE:**  
 1. THIS IS A SYSTEM GROUND THAT SHALL INTERCONNECT ALL GROUND RODS WITH NO. 6 1/2 SOLID COPPER AWG.  
 2. THE NEUTRAL AND GROUND SHALL BE TIED AT THE SERVICE INSTALLATION, BUT SHALL BE SEPARATED AT THE TRAFFIC SIGNAL CABINET.

**SIGNAL FACES**

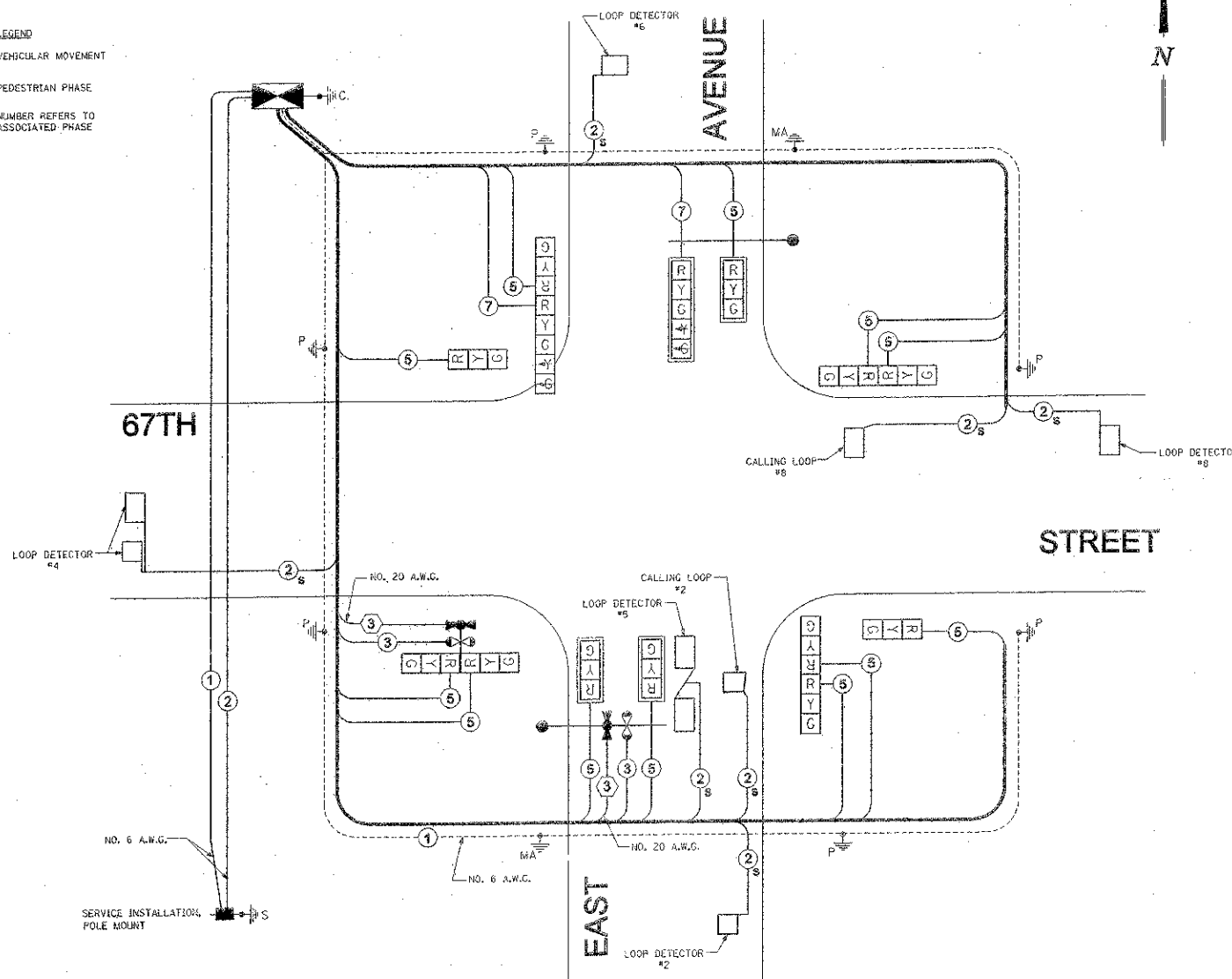


**SIGNAL LENSES**

- R RED
- Y YELLOW
- G GREEN
- Y< YELLOW TURN INDICATOR
- G< GREEN TURN INDICATOR

**CABLE PLAN LEGEND**

	PROPOSED	EXISTING
CONTROLLER CABINET		
SERVICE INSTALLATION		
12" TRAFFIC SIGNAL SECTION (L.E.D.)		
DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE TWISTED AND SHIELDED.		
VEHICLE DETECTOR, INDUCTION LOOP		
SHIELDED & TWISTED		
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
OPTICOM CABLE		
300mm PEDESTRIAN SIGNAL HEAD		
PUSHBUTTON DETECTOR		
GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C).		
GROUND ROD AT POST (P), OR MAST ARM POLE (M).		
GROUND ROD AT ELECTRIC SERVICE INSTALLATION		

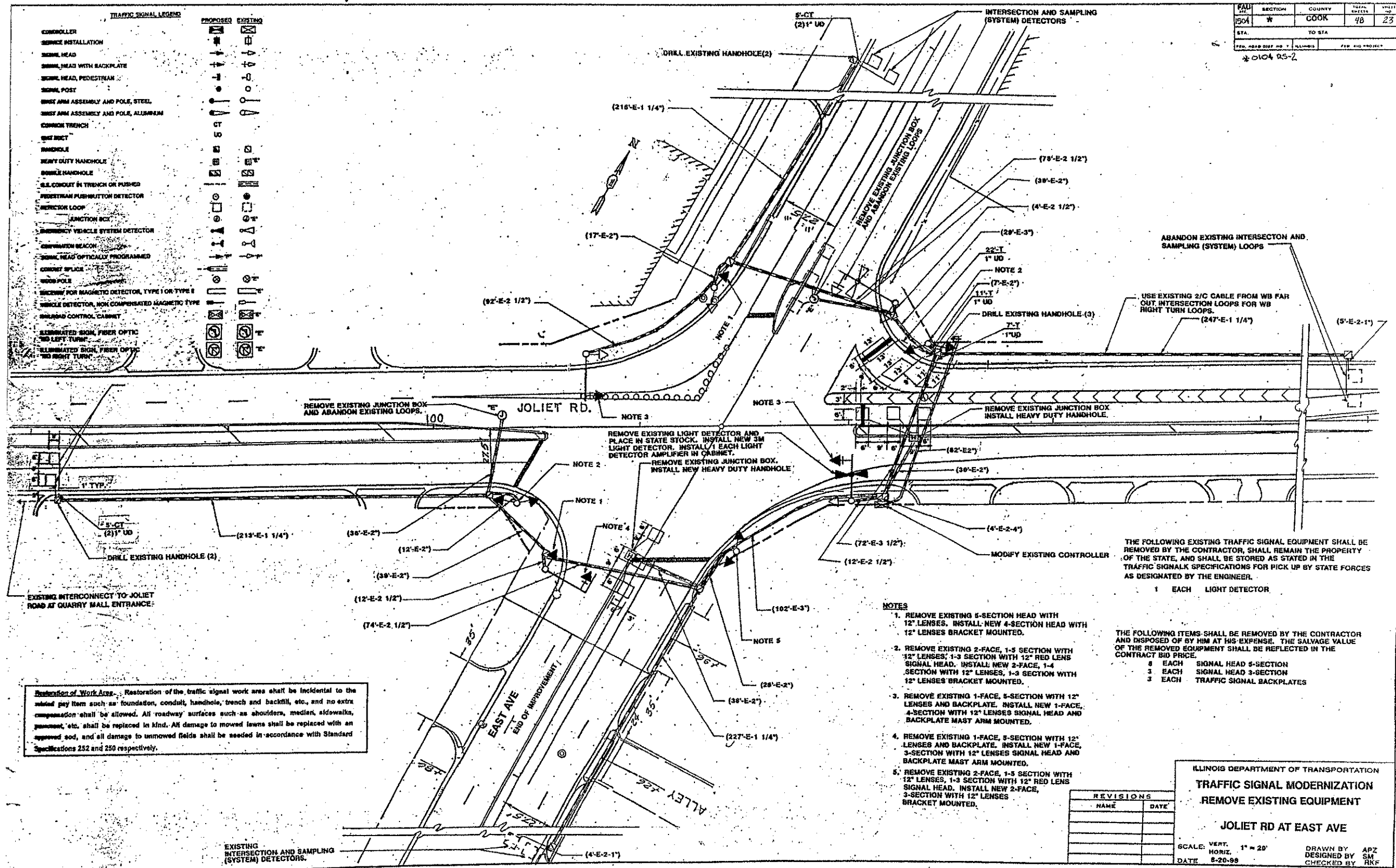


**CABLE PLAN**  
NOT TO SCALE

COUNTY OF COOK DEPARTMENT OF HIGHWAYS	
TRAFFIC SIGNAL INSTALLATION 67TH STREET AT EAST AVENUE (CABLE PLAN)	
COMPUTED BY: [Signature]	DATE: 11/22/02
DRAWN BY: [Signature]	
CHECKED BY: [Signature]	

**Frank Novotny & Associates, Inc.**  
 Civil Engineers  
 835 Midway Drive • Wheelock, IL • 60157 • Telephone (815) 287-8940 • Fax (815) 687-0130  
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 194-001005

FILE NAME: VILLAGE OF HODKINS EAST AVENUE 67TH ST. TO JOULET RD.	USER NAME: [Blank]	DESIGNED: THK	REVISED: [Blank]	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL DESIGN DETAILS - EAST AVENUE AND 67TH STREET (FOR INFORMATION ONLY)	SCALE: N.T.S.	SHEET NO. [Blank]	OF SHEETS [Blank]	STA. [Blank]	TO STA. [Blank]	COUNTY: COOK	TOTAL SHEETS: 29	SHEET NO.: 15
RESURFACING	PLOT SCALE: [Blank]	DRAWN: J.F.P.	REVISED: [Blank]			FED. ROAD DIST. NO. [Blank]	ILLINOIS PROJECT NO. 9005 (888)						
	PLOT DATE: [Blank]	CHECKED: J.C.	REVISED: [Blank]										
		DATE: 4/12	REVISED: [Blank]										



FAU. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	#	COOK	48	23
STA.	TO STA.			
			* 0104 05-2	

**Restoration of Work Area:** Restoration of the traffic signal work area shall be incidental to the related pay item such as foundation, conduit, handhole, trench and backfill, etc., and no extra compensation shall be allowed. All roadway surfaces such as shoulders, medians, sidewalks, gutters, etc., shall be replaced in kind. All damage to mowed lawns shall be replaced with an approved sod, and all damage to unmowed fields shall be seeded in accordance with Standard Specifications 252 and 250 respectively.

- NOTES**
1. REMOVE EXISTING 5-SECTION HEAD WITH 12" LENSES. INSTALL NEW 4-SECTION HEAD WITH 12" LENSES BRACKET MOUNTED.
  2. REMOVE EXISTING 2-FACE, 1-5 SECTION WITH 12" LENSES; 1-3 SECTION WITH 12" RED LENS SIGNAL HEAD. INSTALL NEW 2-FACE, 1-4 SECTION WITH 12" LENSES, 1-3 SECTION WITH 12" LENSES BRACKET MOUNTED.
  3. REMOVE EXISTING 1-FACE, 5-SECTION WITH 12" LENSES AND BACKPLATE. INSTALL NEW 1-FACE, 4-SECTION WITH 12" LENSES SIGNAL HEAD AND BACKPLATE MAST ARM MOUNTED.
  4. REMOVE EXISTING 1-FACE, 3-SECTION WITH 12" LENSES AND BACKPLATE. INSTALL NEW 1-FACE, 3-SECTION WITH 12" LENSES SIGNAL HEAD AND BACKPLATE MAST ARM MOUNTED.
  5. REMOVE EXISTING 2-FACE, 1-5 SECTION WITH 12" LENSES, 1-3 SECTION WITH 12" RED LENS SIGNAL HEAD. INSTALL NEW 2-FACE, 3-SECTION WITH 12" LENSES BRACKET MOUNTED.

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE, AND SHALL BE STORED AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS FOR PICK UP BY STATE FORCES AS DESIGNATED BY THE ENGINEER.

1 EACH LIGHT DETECTOR

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF BY HIM AT HIS EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8 EACH SIGNAL HEAD 5-SECTION  
 3 EACH SIGNAL HEAD 3-SECTION  
 3 EACH TRAFFIC SIGNAL BACKPLATES

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TRAFFIC SIGNAL MODERNIZATION**  
**REMOVE EXISTING EQUIPMENT**  
**JOLIET RD AT EAST AVE**

SCALE: VERT. 1" = 20'  
 HORIZ. 1" = 20'  
 DATE 8-20-99

DRAWN BY ARZ  
 DESIGNED BY SM  
 CHECKED BY RKF

FILE NAME VILLAGE OF HODGKINS  
 EAST AVENUE  
 67TH ST. TO JOLIET RD.  
 RESURFACING

USER NAME  
 PLST SOURCE #  
 PRJ DATE

DESIGNED -- THK  
 DRAWN -- JFP  
 CHECKED -- JLC  
 DATE -- 4/12

REVISED --  
 REVISED --  
 REVISED --  
 REVISED --

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL DESIGN DETAILS -  
 EAST AVENUE AND JOLIET AVENUE  
 (FOR INFORMATION ONLY)

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

**Frank Novotny & Associates, Inc.**  
 805 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 857-9600 • Fax: (630) 857-6130  
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 164-000008

FAU. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	11-00019-00-RS	COOK	29	16
CONTRACT NO. 63736				
FED. ROAD DIST. NO. ILLINOIS (FD-4) PROJECT M-9001 (855)				

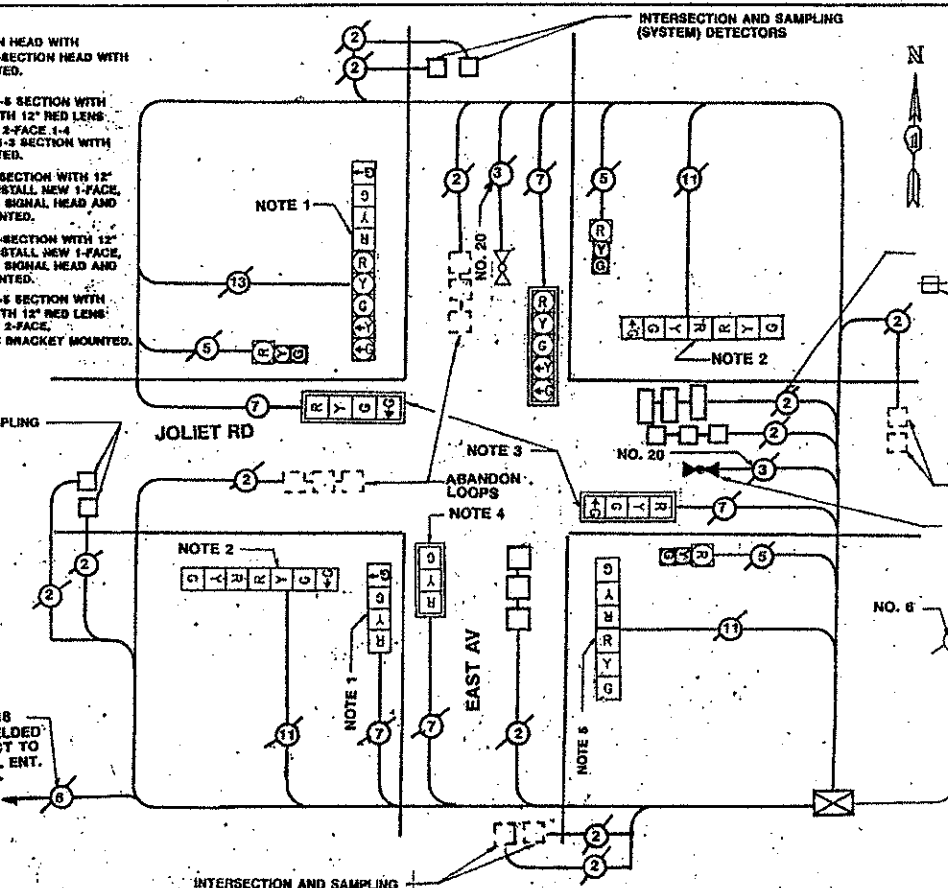


**PROPOSED SEQUENCE OF OPERATION**

MOVEMENT	2	1	3+8	4+8
JOLIET RD E/B FAR LEFT AND MAST ARM SIGNALS	G	Y	R	R
JOLIET RD E/B NEAR RIGHT AND FAR RIGHT SIGNALS	G	Y	R	R
JOLIET RD W/B FAR LEFT AND MAST ARM SIGNALS	R	R	G	Y
JOLIET RD W/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	G	Y
EAST AV N/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	R
EAST AV N/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R
EAST AV S/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	R
EAST AV S/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R

NOTE: IF CALLS ARE PRESENT SIMULTANEOUSLY FOR PHASE 2 AND PHASE 1, PHASE 2 SHALL BE SERVICED BEFORE PHASE 1.

- NOTES**
- REMOVE EXISTING 3-SECTION HEAD WITH 12" LENSES. INSTALL NEW 4-SECTION HEAD WITH 12" LENSES BRACKET MOUNTED.
  - REMOVE EXISTING 2-FACE, 1-3 SECTION WITH 12" RED LENS SIGNAL HEAD. INSTALL NEW 2-FACE 1-4 SECTION WITH 12" LENS, 1-3 SECTION WITH 12" LENSES BRACKET MOUNTED.
  - REMOVE EXISTING 1-FACE, 5-SECTION WITH 12" LENSES AND BACKPLATE. INSTALL NEW 1-FACE, 4-SECTION WITH 12" LENSES SIGNAL HEAD AND BACKPLATE MAST ARM MOUNTED.
  - REMOVE EXISTING 1-FACE, 5-SECTION WITH 12" LENSES AND BACKPLATE. INSTALL NEW 1-FACE, 3-SECTION WITH 12" LENSES SIGNAL HEAD AND BACKPLATE MAST ARM MOUNTED.
  - REMOVE EXISTING 2-FACE, 1-3 SECTION WITH 12" RED LENS SIGNAL HEAD. INSTALL NEW 2-FACE, 3-SECTION WITH 12" LENSES BRACKET MOUNTED.



**CABLE PLAN LEGEND**

[Symbol]	8" (200mm) TRAFFIC SIGNAL SECTION
[Symbol]	12" (300mm) TRAFFIC SIGNAL SECTION
[Symbol]	12" (300mm) PEDESTRIAN SIGNAL SECTION
[Symbol]	12" (300mm) PEDESTRIAN SIGNAL SECTION
[Symbol]	CONTROLLER CABINET
[Symbol]	SERVICE INSTALLATION
[Symbol]	VEHICLE DETECTOR, INDUCTIVE LOOP
[Symbol]	MAGNETIC DETECTOR
[Symbol]	EMERGENCY VEHICLE LIGHT DETECTOR
[Symbol]	CONFIRMATION BEACON
[Symbol]	PUSHBUTTON DETECTOR
[Symbol]	INDICATES NUMBER OF CONDUCTORS
[Symbol]	ALL CABLE NO. 14 EXCEPT AS INDICATED
[Symbol]	ALL LOOP DETECTOR CABLE TO BE SHIELDED
[Symbol]	SIGNAL FACE WITH BACKPLATE
[Symbol]	"P" INDICATES PROGRAMMED HEAD
[Symbol]	RAILROAD CONTROL CABINET
[Symbol]	ELIMINATED SIGN, FIBER OPTIC NO LEFT TURN
[Symbol]	ELIMINATED SIGN, FIBER OPTIC NO RIGHT TURN

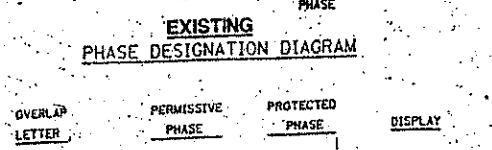
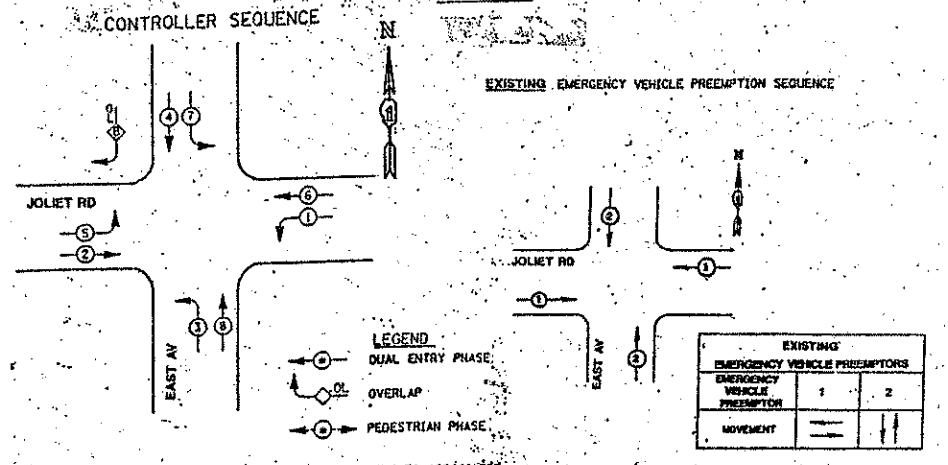
**SCHEDULE OF QUANTITIES**

QUANTITY	UNIT	PAY ITEM
4	EACH	REMOVE EXISTING JUNCTION BOX
2	EACH	HEAVY-DUTY HANDHOLE
4	EACH	DRILL EXISTING HANDHOLE
1	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED
3	EACH	TRAFFIC SIGNAL BACKPLATE
456	FOOT	DETECTOR LOOP, TYPE I
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
50	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION**

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	3	5	8	PREEMPTION NUMBER 2	PREEMPTION NUMBER 4	PREEMPTION NUMBER 5	CLEAR TO NORMAL SEQUENCE
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	OR 1E	OR 3	1H	OR 4	1L	OR 4
JOLIET RD E/B FAR LEFT AND MAST ARM SIGNALS	G	Y	R	R	R	R	R	R
JOLIET RD E/B NEAR RIGHT AND FAR RIGHT SIGNALS	G	Y	R	R	R	R	R	R
JOLIET RD W/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	Y	R	G	R	R
JOLIET RD W/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	Y	R	G	R	R
EAST AV N/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	R	R	R	R	R
EAST AV N/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R	R	R	R	R
EAST AV S/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	R	R	R	R	R
EAST AV S/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R	R	R	R	R

EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3 OR 4 IS TERMINATED.



**REVISIONS**

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PROPOSED AND EXISTING SEQUENCE OF OPERATION, EMERGENCY VEHICLE PREEMPTION SEQUENCE, CABLE PLAN AND SCHEDULE OF QUANTITIES**  
**JOLIET RD AT EAST AV**  
 SCALE: VERT. NONE HORIZ. 1"=40'  
 DATE: 6-20-98  
 DRAWN BY: APZ  
 DESIGNED BY: SM  
 CHECKED BY: RKF

FILE NAME: VILLAGE OF HODGKINS EAST AVENUE 67TH ST. TO JOLIET RD.  
 RESURFACING

USER NAME: THK  
 DESIGNED: THK  
 DRAWN: JFP  
 CHECKED: JLC  
 DATE: 4/12

DESIGNED: THK  
 DRAWN: JFP  
 CHECKED: JLC  
 DATE: 4/12

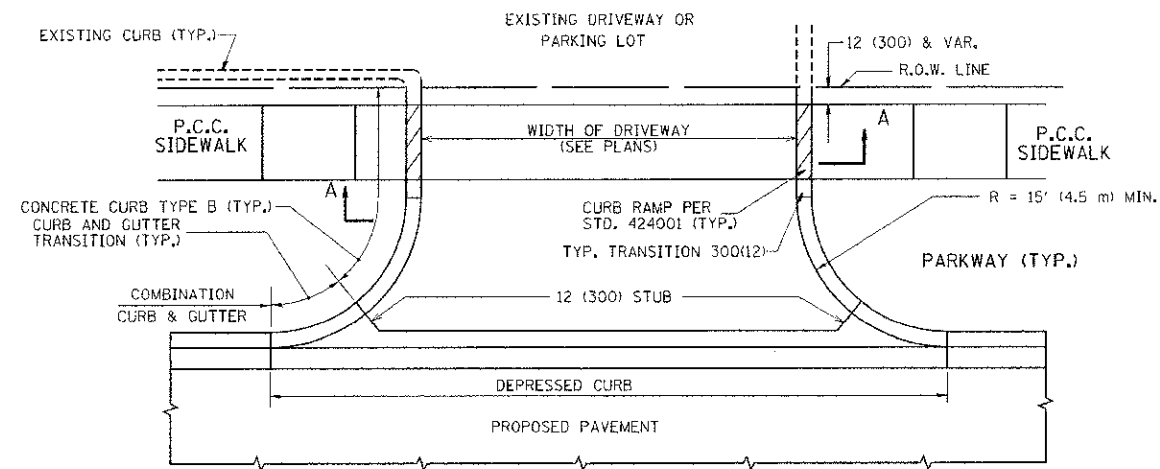
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL DESIGN DETAILS -  
 EAST AVENUE AND JOLIET AVENUE  
 (FOR INFORMATION ONLY)  
 SCALE: N.T.S. SHEET NO. OF SHEETS: 24

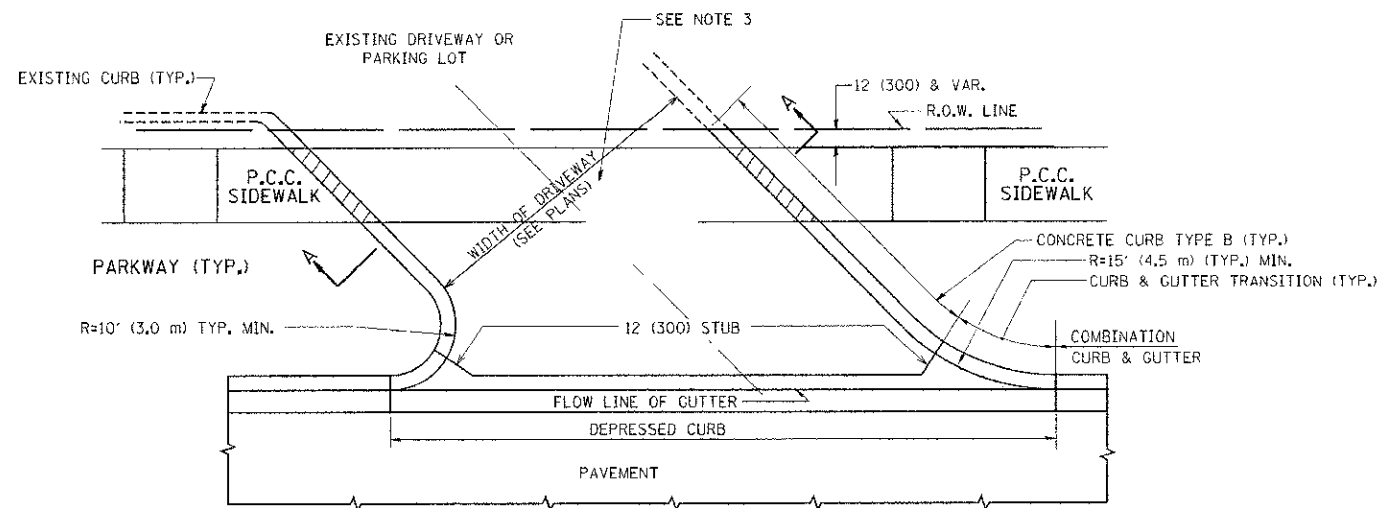
**Frank Novotny & Associates, Inc.**  
 820 Midway Drive • Wheeling, IL • 60091 • Telephone: (815) 887-8660 • Fax: (815) 887-0132  
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-06005

FILE NO.	SECTION	COUNTY	TOTAL SHEETS
2719	11-00019-00-RS	COOK	29 / 17

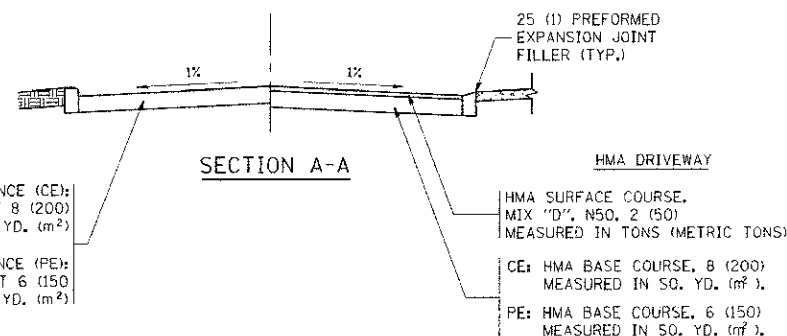
CONTRACT NO. 63736  
 ILLINOIS DEPARTMENT OF TRANSPORTATION PROJECT M-9903 (888)



WITH CONCRETE CURB, TYPE B

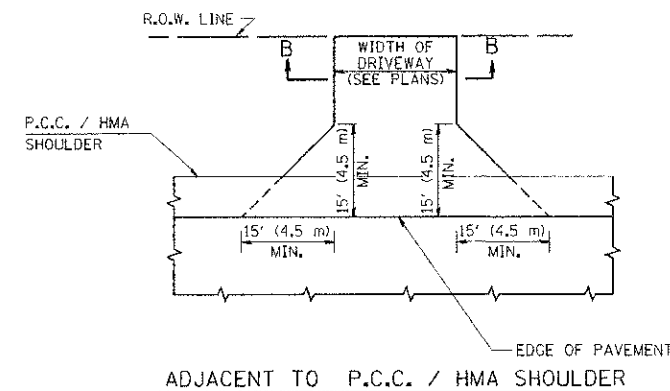


WITH CONCRETE CURB, TYPE B

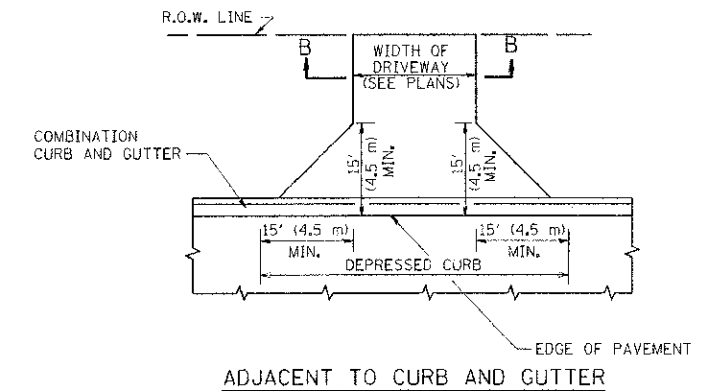


**RIGID DRIVEWAY**  
 COMMERCIAL ENTRANCE (CE):  
 P.C.C. DRIVEWAY PAVEMENT 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>)  
 NON-COMMERCIAL ENTRANCE (PE):  
 P.C.C. DRIVEWAY PAVEMENT 6 (150)  
 MEASURED IN SQ. YD. (m<sup>2</sup>)

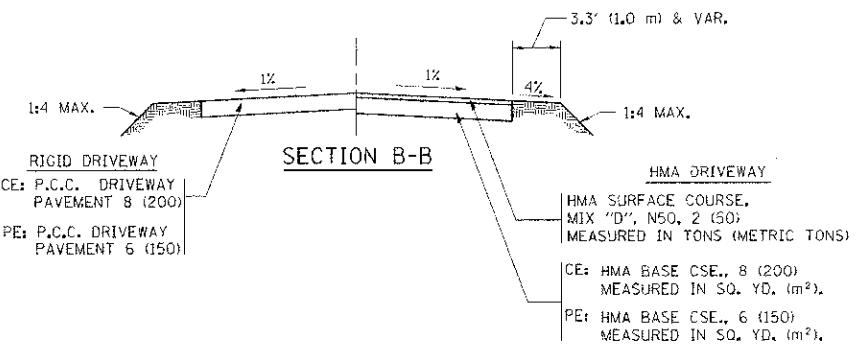
**HMA DRIVEWAY**  
 HMA SURFACE COURSE,  
 MIX "D", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)  
 CE: HMA BASE COURSE, 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>),  
 PE: HMA BASE COURSE, 6 (150)  
 MEASURED IN SQ. YD. (m<sup>2</sup>)



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION B-B

**RIGID DRIVEWAY**  
 CE: P.C.C. DRIVEWAY PAVEMENT 8 (200)  
 PE: P.C.C. DRIVEWAY PAVEMENT 6 (150)

**HMA DRIVEWAY**  
 HMA SURFACE COURSE,  
 MIX "D", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)  
 CE: HMA BASE CSE., 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>),  
 PE: HMA BASE CSE., 6 (150)  
 MEASURED IN SQ. YD. (m<sup>2</sup>)

**RURAL FIELD ENTRANCE (FE)**  
 HMA SURFACE COURSE,  
 MIX "D", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)  
 AGGREGATE BASE CSE., TYPE B, 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>)

**GENERAL NOTES:**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

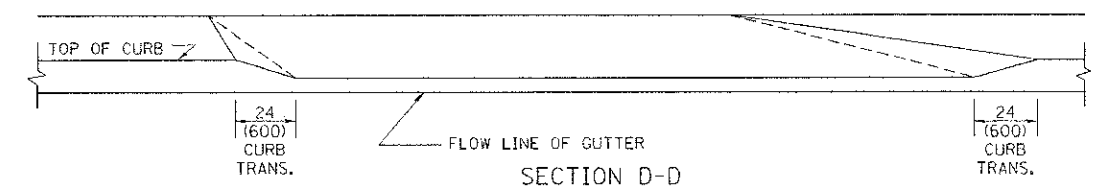
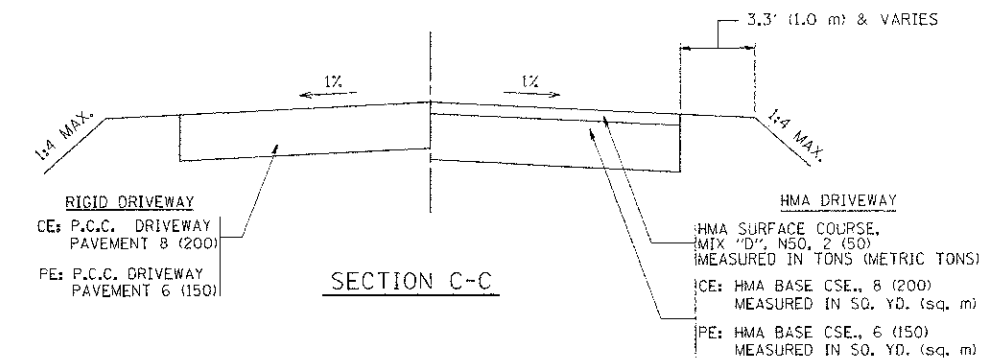
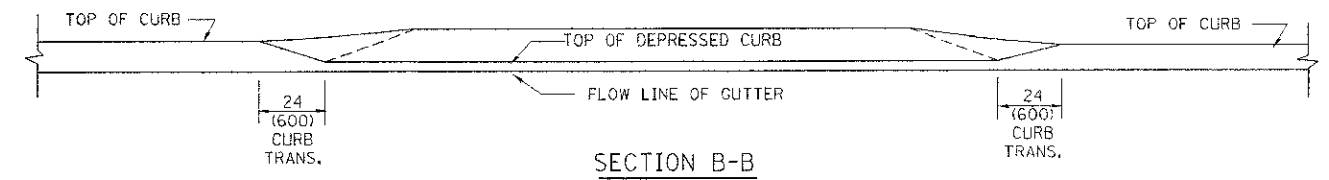
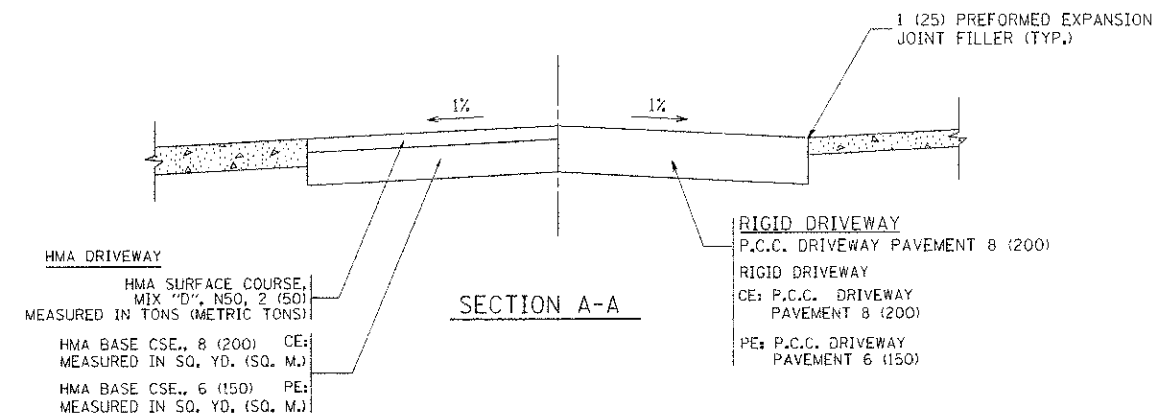
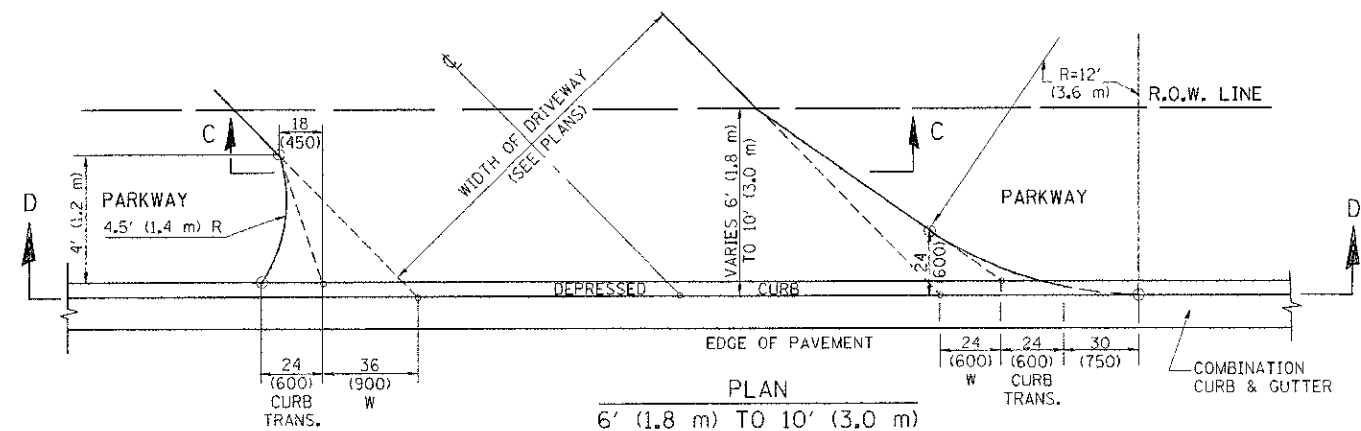
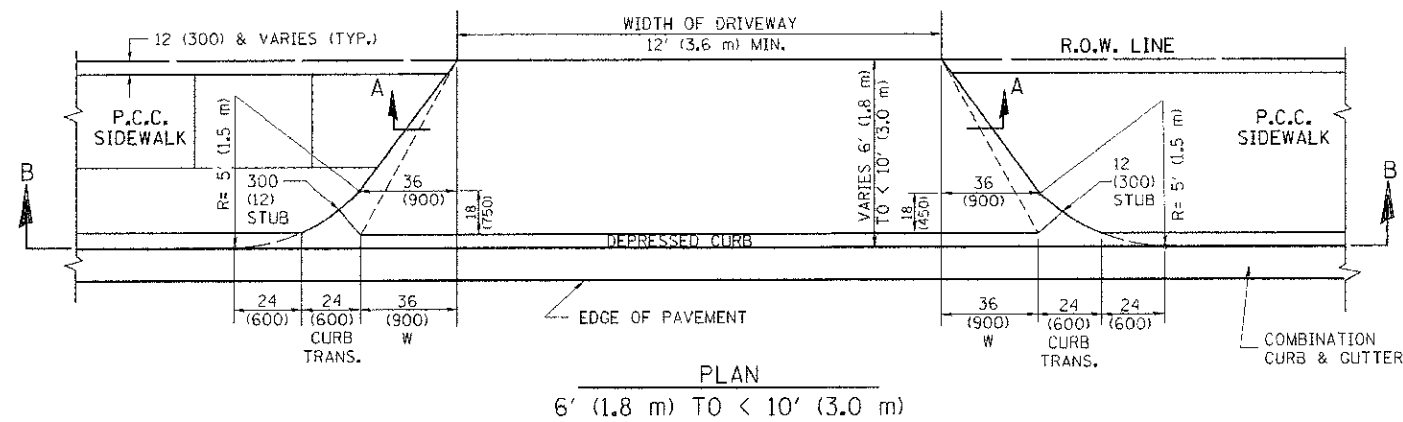
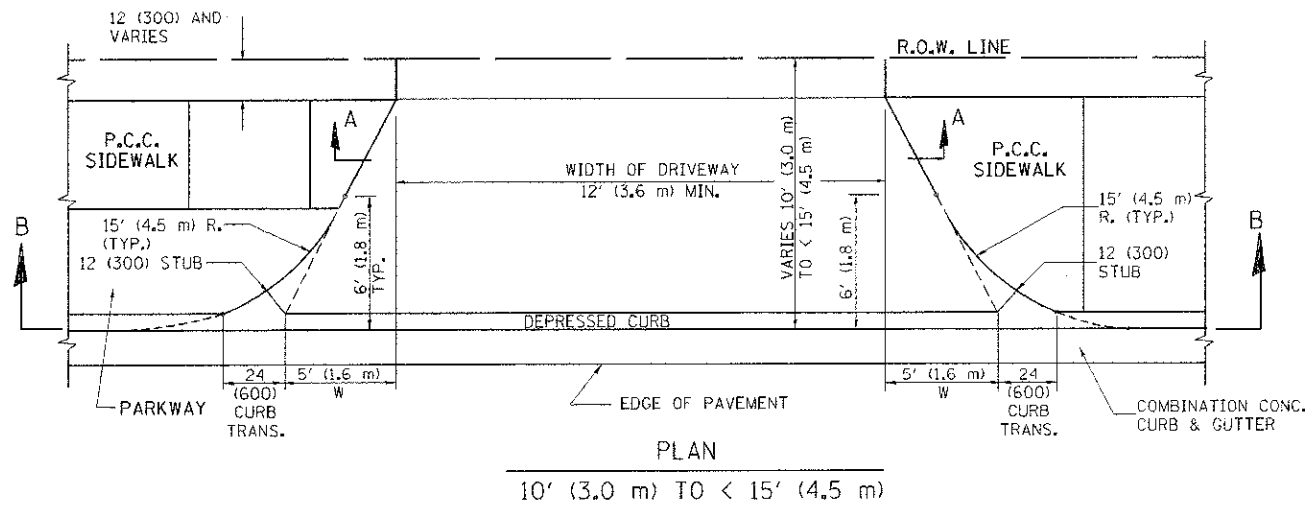
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = jaysa	DESIGNED - R. SHAH	REVISED - P. LOFLUER 04-15-03
as\pwwork\mst\dsk\jaysa\10828315\bd01.dwg		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 50.0000' / 1" =	CHECKED -	REVISED - R. BORO 06-11-08
	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.    AND FACE OF CURB &amp; EDGE OF SHOULDER &gt;= 15' (4.5 m)</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	11-00019-00-RS	COOK	29	18
<b>BD0156-07 (BD-01)</b>			<b>CONTRACT NO. 63736</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			M-9003 (868)	



**GENERAL NOTES**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE 'HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS'. FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

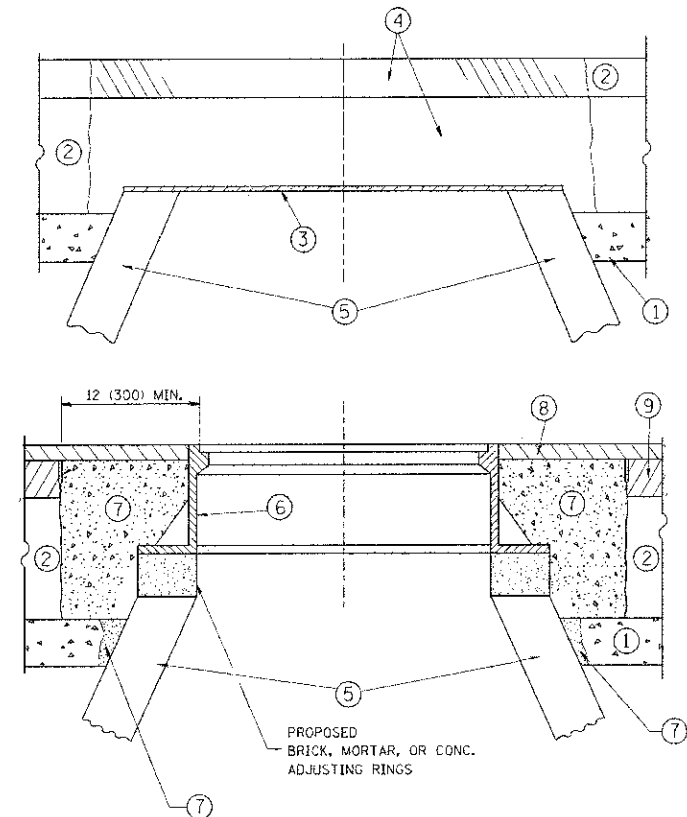
"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = jaysa	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
es:\pwork\pmsdoc\jaysa\010315\hd012.dwg		DRAWN -	REVISED - P. LAFLEUR 04-15-03
	PLT SCALE = 5/8"=1'-0"	CHECKED -	REVISED - R. BORO 01-01-07
	PLT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DRIVEWAY DETAILS</b>		F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)		2719	11-00019-00-RS	COOK	29	19
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		BD400-02 (BD-02)		CONTRACT NO. 63736		
		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		M-9003 (86B)		



**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1\* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**LOCATION OF STRUCTURES:**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT:**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**NOTES:**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

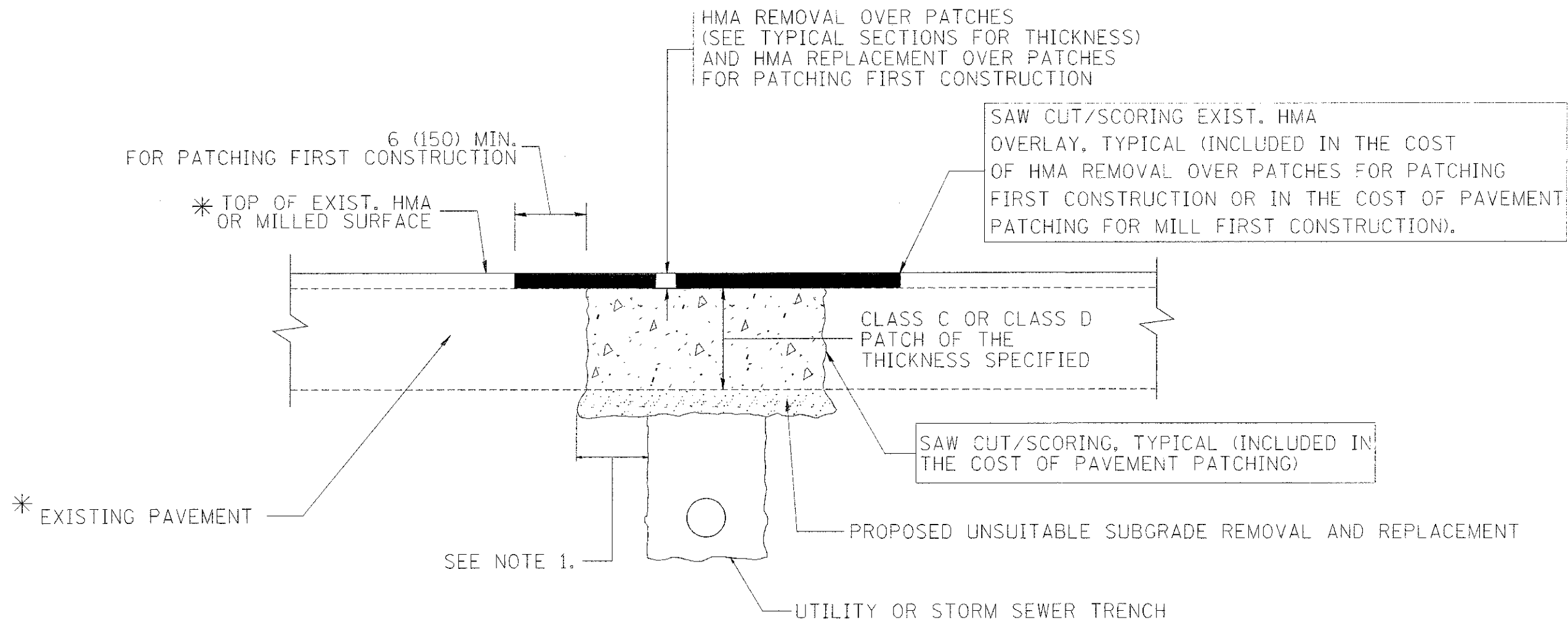
THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bawardl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cd:\pwwork\spaidot\ba\erdl\01028315\bd08.dgn		DRAWN -	REVISED - R. BORO 01-01-07		2719	11-00019-00-RS	COOK	29	20			
PLOT SCALE = 1/8" = 1'-0"		CHECKED -	REVISED - R. BORO 03-09-11		<b>BD600-03 (BD-8)</b>			<b>CONTRACT NO. 63736</b>				
PLOT DATE = 12/6/2011		DATE - 10-25-94	REVISED - R. BORO 12-06-11		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT	M-9003 (866)	



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

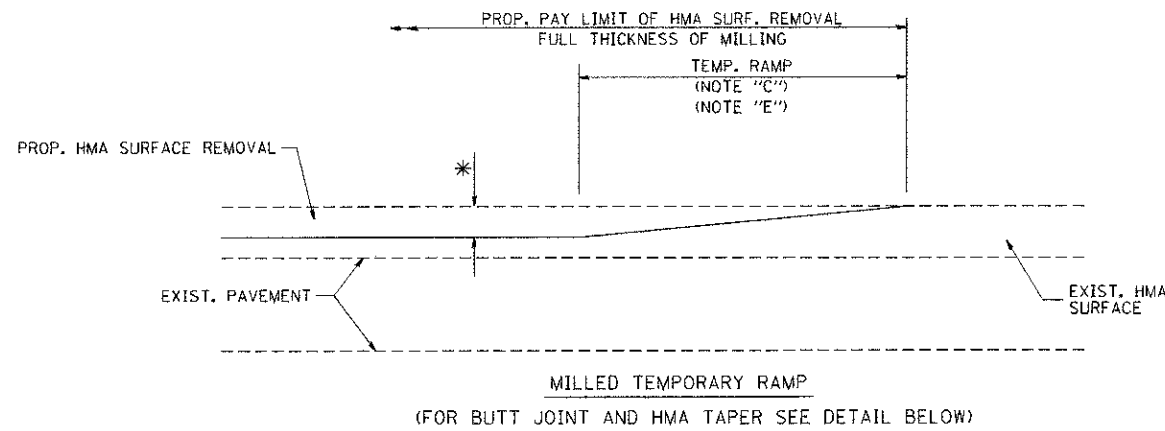
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

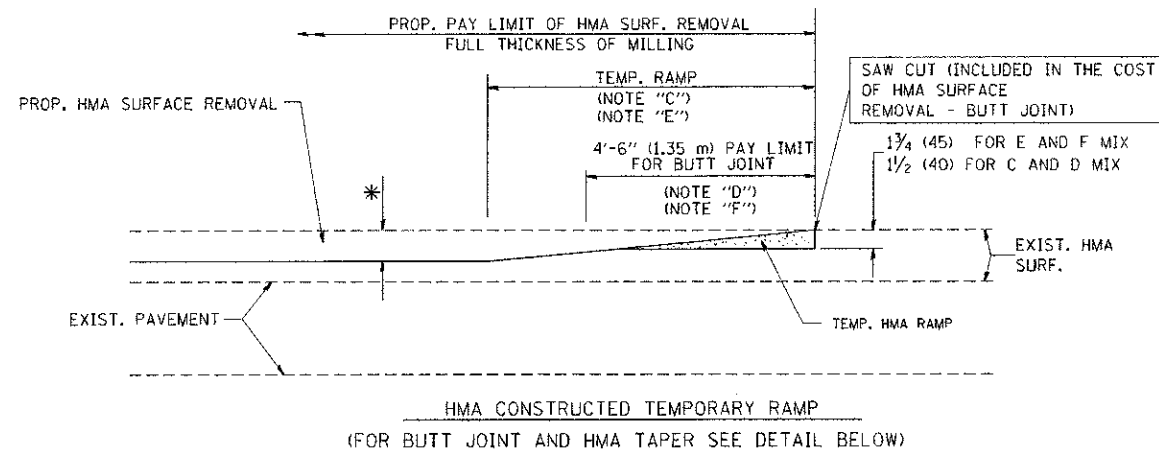
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

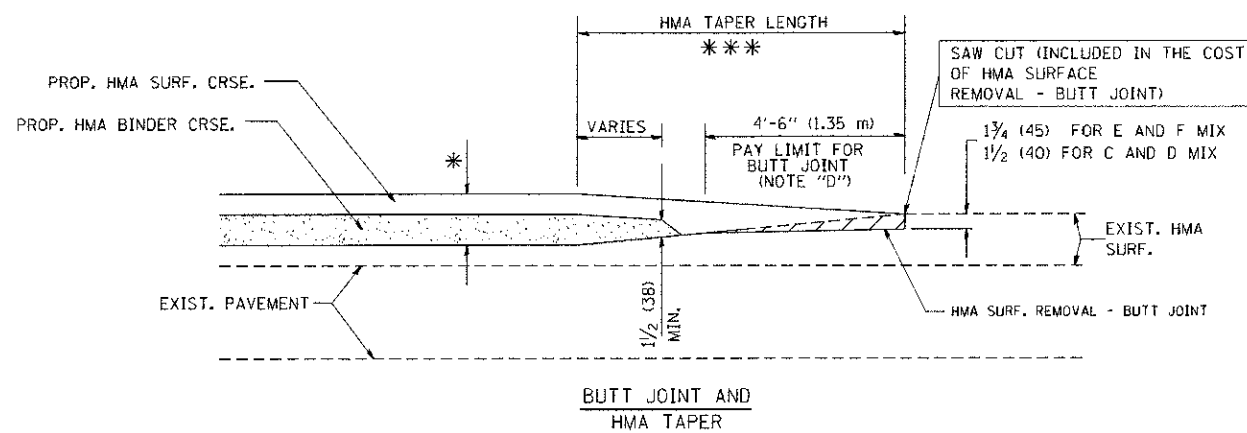
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\\projects\ds\td22x34\bd22.dgn		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	2719	11-00019-00-RS	COOK	29 21
		PLOT SCALE = 50,000' / IN.	REVISED - R. BORO 09-04-07						<b>BD400-04 (BD-22)</b>		<b>CONTRACT NO. 63736</b>	
		PLOT DATE = 10/27/2008	REVISED - K. ENG 10-27-08						FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-9003 (868)			



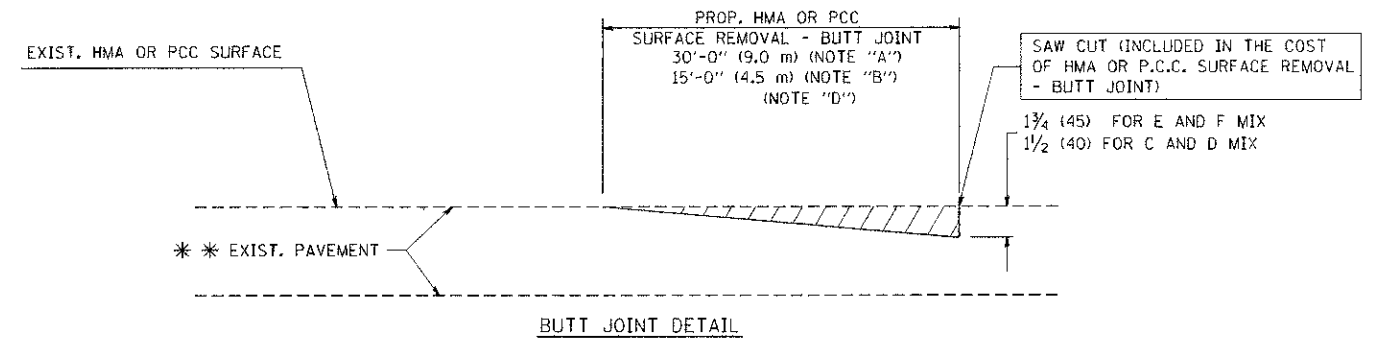
**OPTION 1**



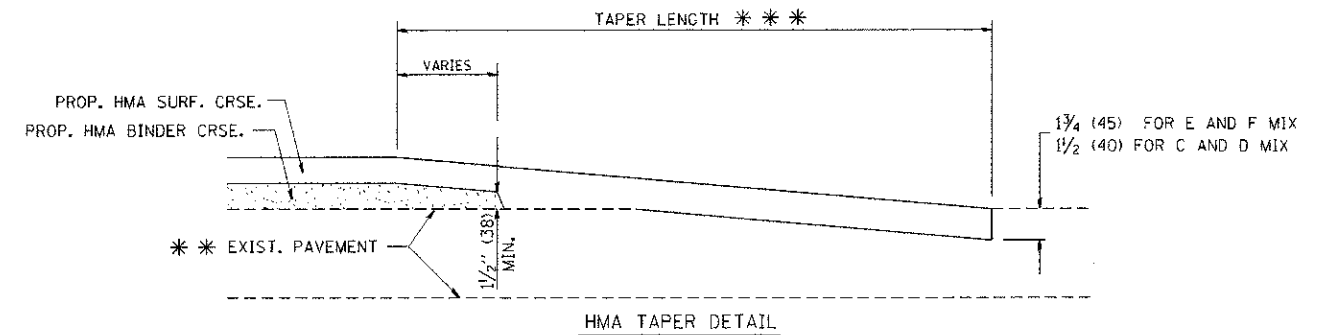
**OPTION 2  
TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER  
FOR MILLING AND RESURFACING**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER  
FOR RESURFACING ONLY**

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

**NOTES**

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT:**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

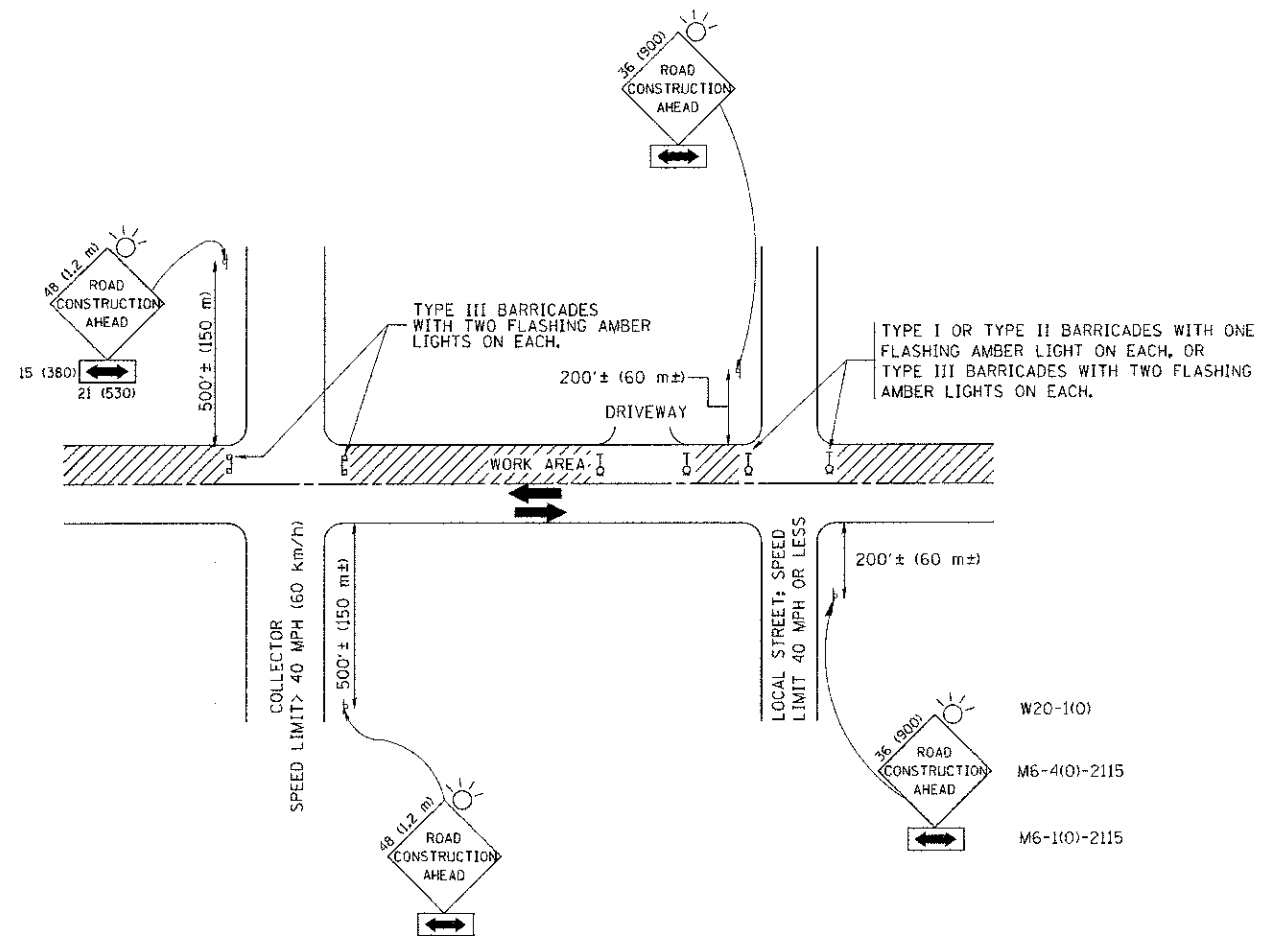
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		CHECKED -	REVISED - M. GOMEZ 04-06-01
		DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 2719	SECTION 11-00019-00-RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 22
BD400-05 BD32			CONTRACT NO. 63736	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003 (868)				



## TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

### NOTES:

#### A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

#### B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
  - D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

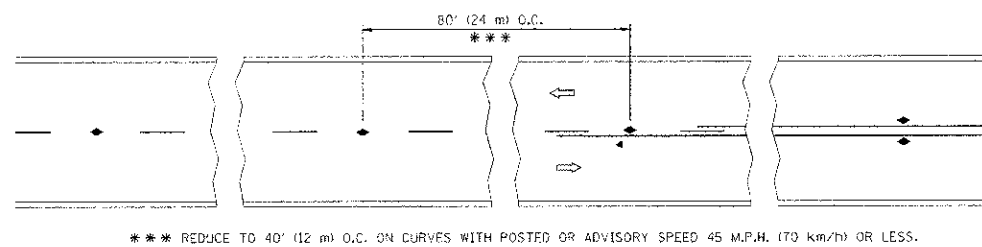
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		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

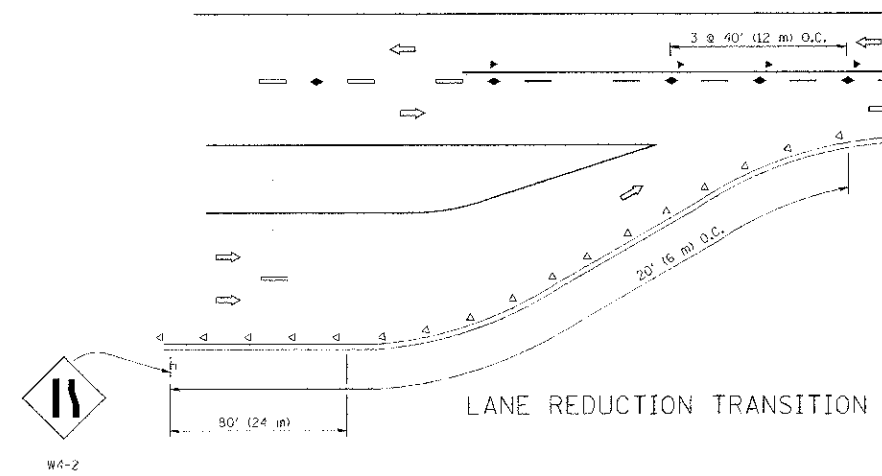
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	11-00019-00-RS	COOK	29	23
TC-10			CONTRACT NO. 63736	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003 (868)				

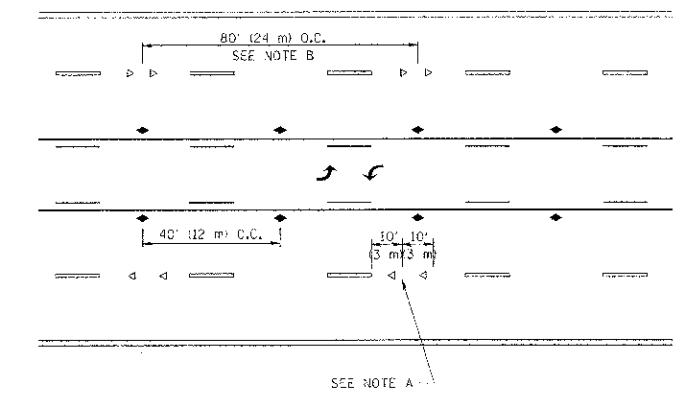
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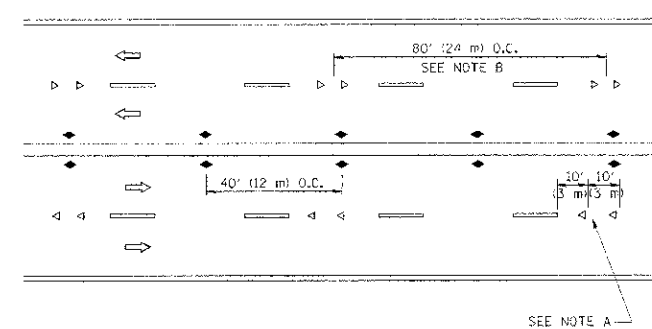
TWO-LANE/TWO-WAY



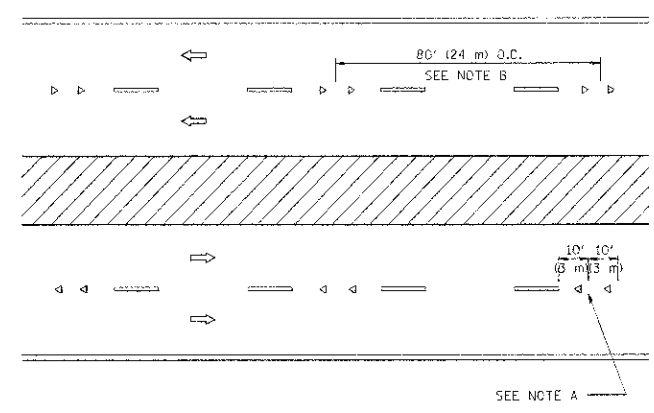
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 560' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

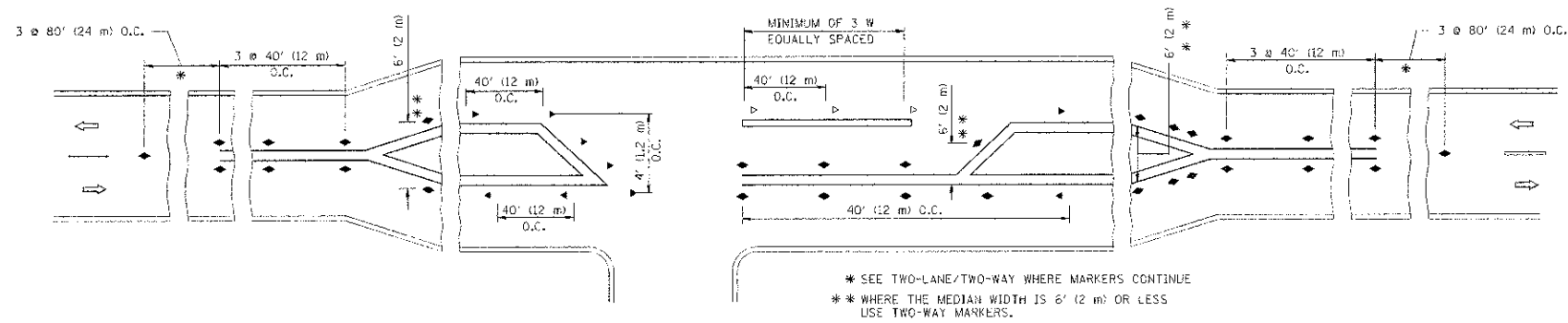
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

All dimensions are in inches (millimeters) unless otherwise shown.

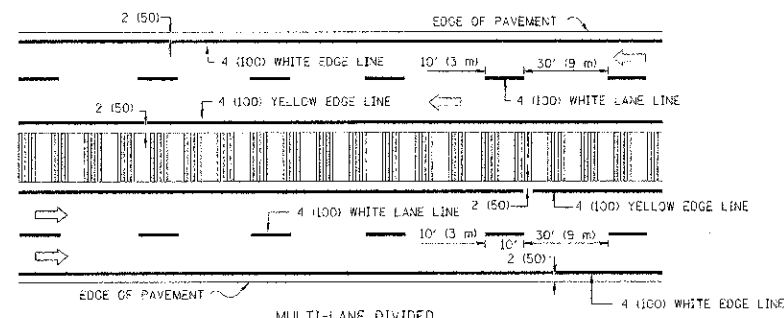
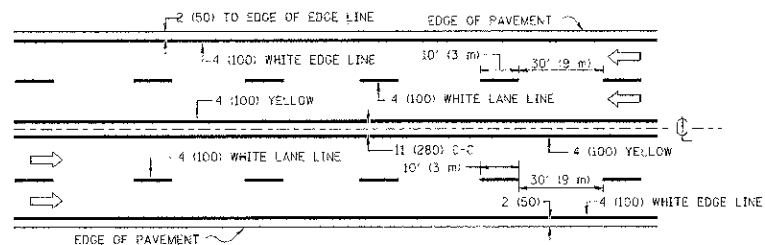
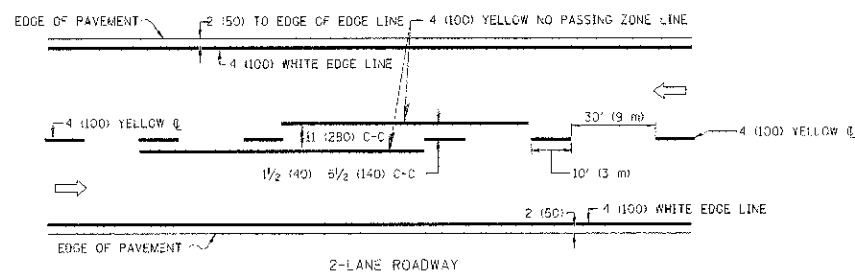
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PILOT SCALE = 1/4" = 1'-0"		CHECKED -	REVISED - T. RAMMACHER 01-06-00
PILOT DATE = 9/9/2003		DATE -	REVISED - C. JUCIUS 08-08-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS	
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

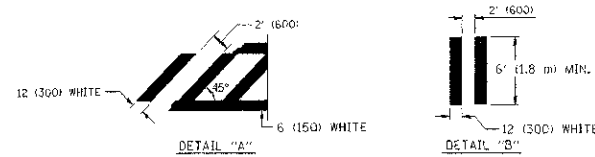
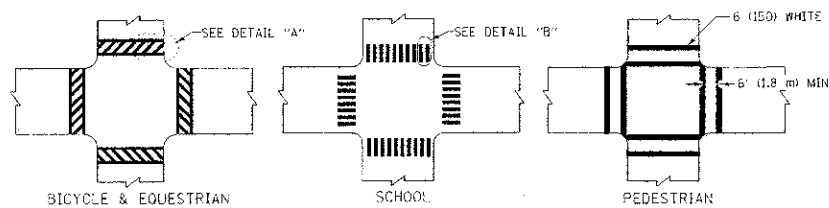
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	11-00019-00-RS	COOK	29	24
TC-11			CONTRACT NO. 63736	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003 (868)				



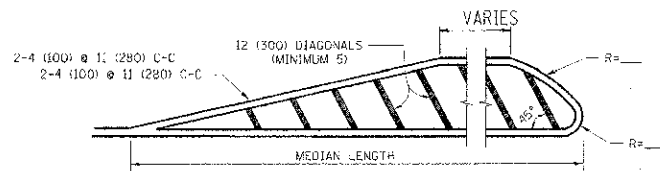
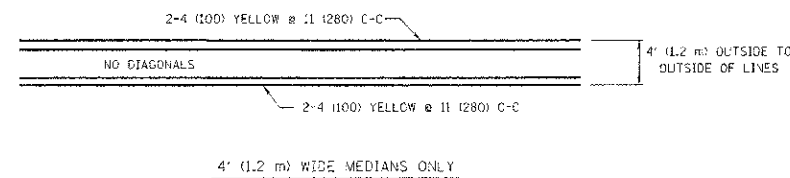


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

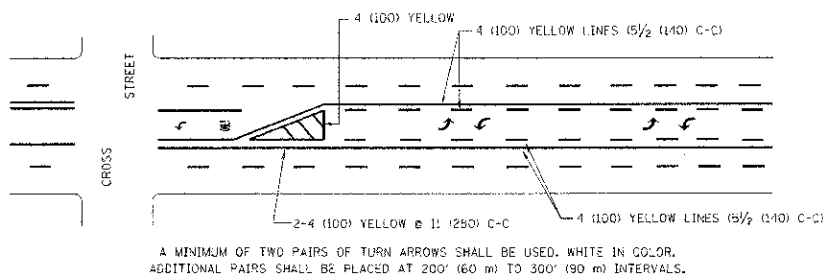


TYPICAL CROSSWALK MARKING

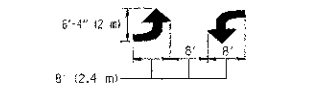


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.  
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
 75' (23 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
 150' (45 m) C-C (OVER 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

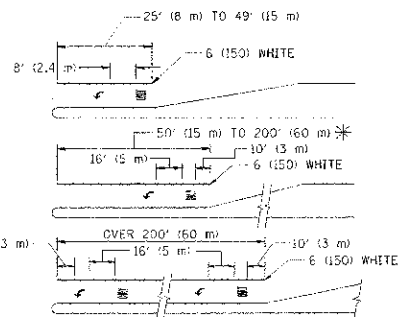


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED. WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

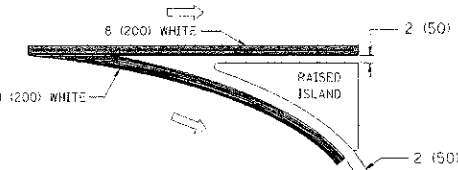
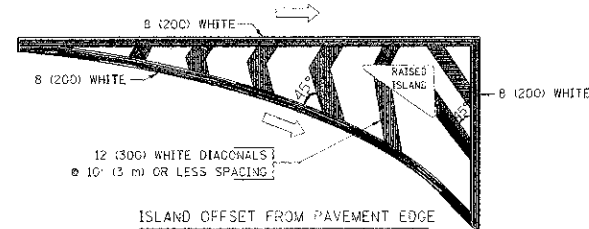


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 \* AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) \*\* AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE, FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (23 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

	LARGE SIZE	SMALL SIZE
THROUGH ARROW	1.07 (11.5)	0.80 (8.5)
LEFT OR RIGHT ARROW	1.47 (15.6)	0.60 (6.5)
COMBINATION LEFT (RIGHT) AND THROUGH ARROW	2.42 (26.0)	1.37 (14.7)
RAILROAD "R" 1.8m (6ft.)	0.33 (3.6)	---
RAILROAD "X" 6.0m (20ft.)	5.02(54.0)	---
HANDICAPPED SYMBOL	0.43 (4.6)	---

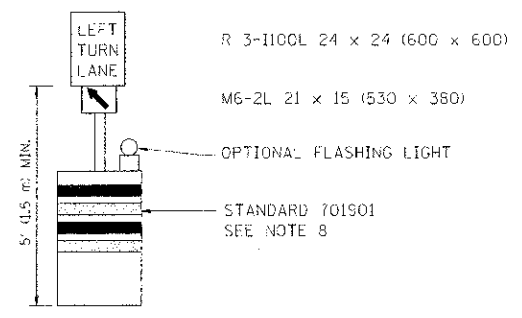
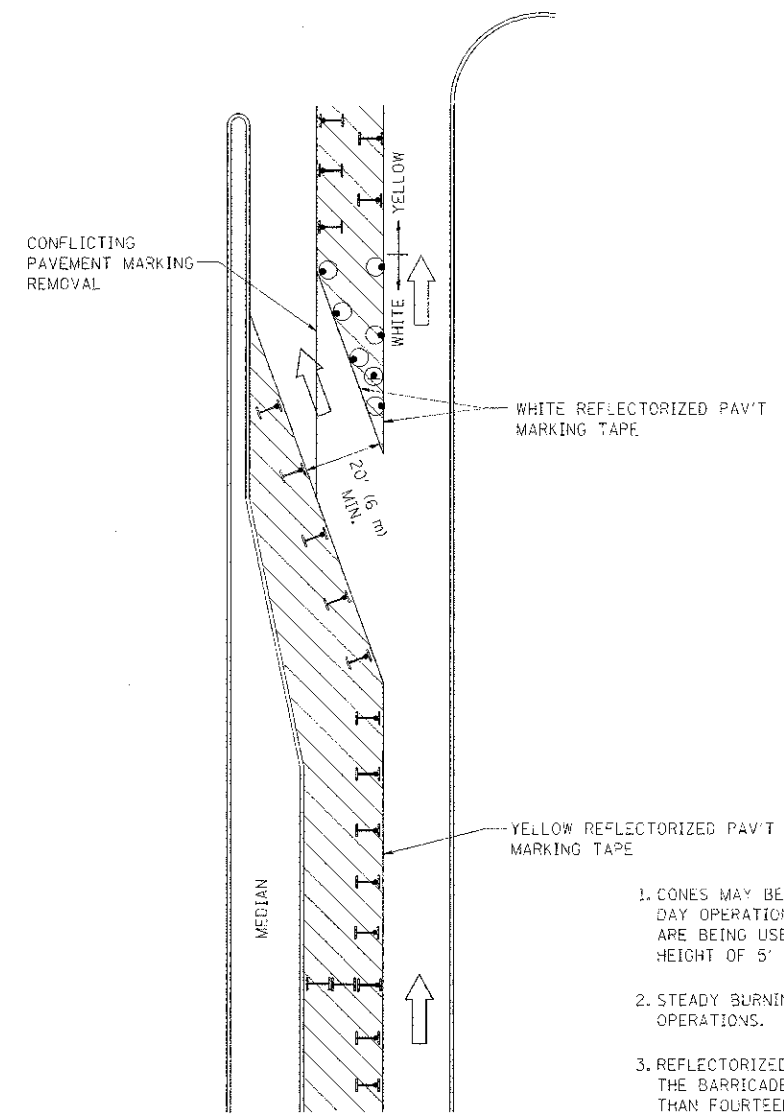
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	DESIGNED - EVERS	REVISION - T. RAMMACHER 10-27-94
DRIVER NAME = drawkdesign	DRAWN - C. JUCIUS 09-09-09	REVISED -
PILOT SCALE = 50:000 1" = 50'	CHECKED -	REVISED -
PLGT DATE = 5/29/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	11-00019-00-RS	COOK	29	25
TC-13		CONTRACT NO. 63736		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-9003 (868)				

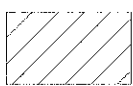
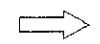






**GENERAL NOTES**

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHR 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

**LEGEND**

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

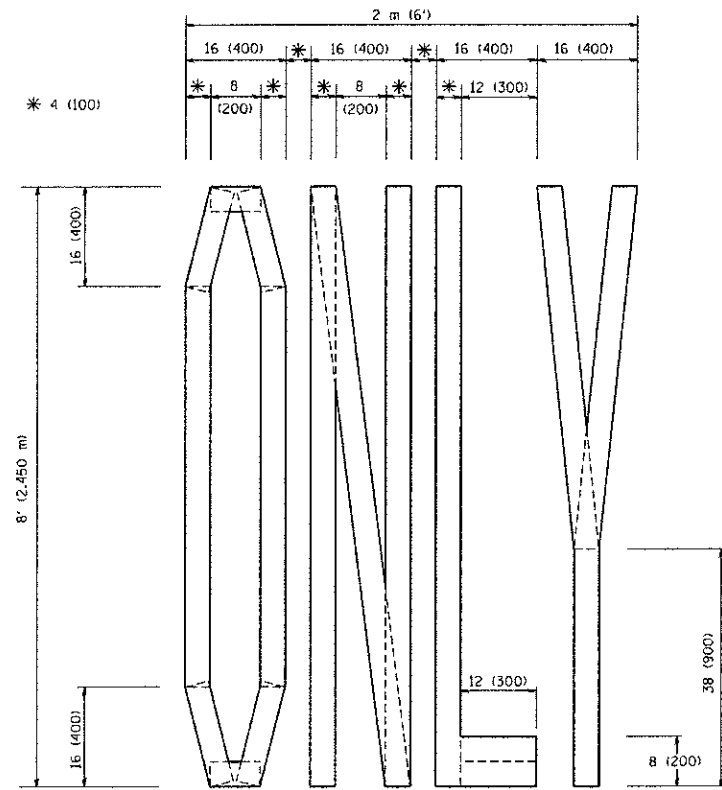
FILE NAME =	USER NAME = drivok@dn	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
PROJECT NAME =	PROJECT NO. =	REVISED - A. HOUSEH 11-07-95	REVISED -
PLOT SCALE = 49.4899 1/2 IN.		REVISED - A. HOUSEH 10-12-96	REVISED -
PLOT DATE = 5/14/2009		REVISED - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

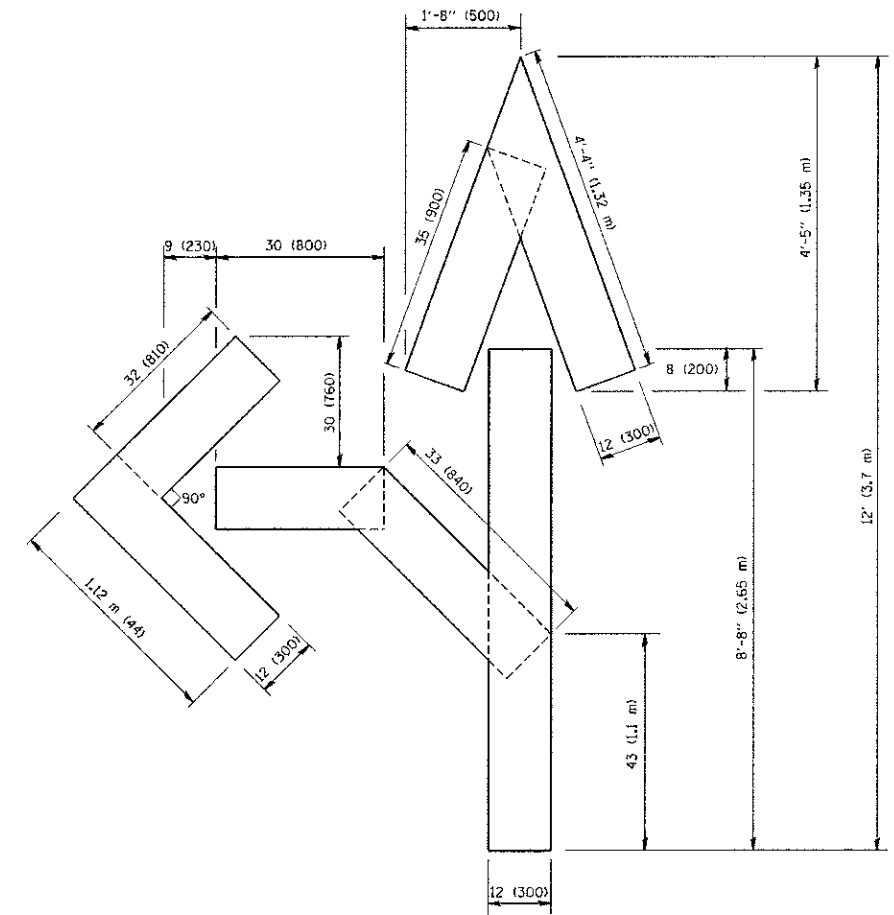
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

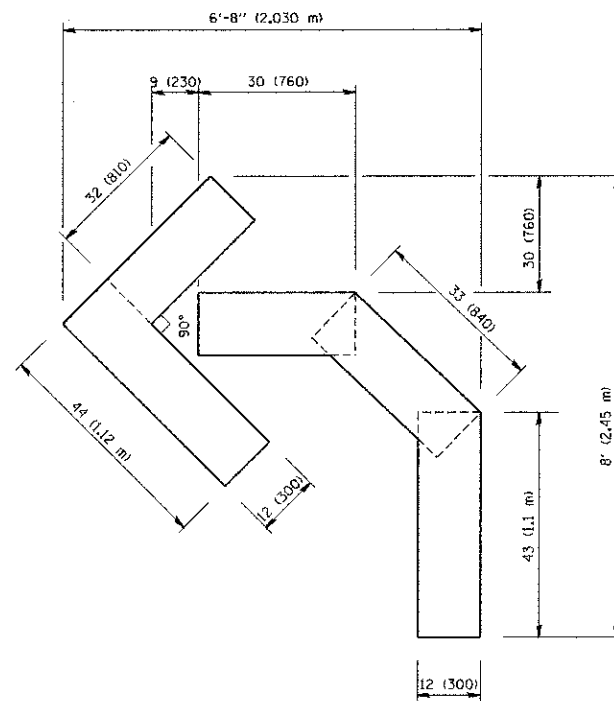
F.A.U. PTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	11-00019-00-RS	COOK	29	26
<b>TC-14</b>			<b>CONTRACT NO. 63736</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003 (866)				



QUANTITY  
 4 (100) LINE = 64.1 ft. (19.7 m)  
 21.1 sq. ft. (1.97 sq. m)



QUANTITY  
 4 (100) LINE = 82.5 ft. (25.3 m)  
 27.5 sq. ft. (2.53 sq. m)



QUANTITY  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.39 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = w:\diststd\22x34\1\cl18.dgn	USER NAME = gegltenobt	DESIGNED -	REVISED - T. RAMMACHER 06-05-96
		DRAWN -	REVISED - T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2000	DATE = 09-18-94	REVISED - E. GOMEZ 08-28-00

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

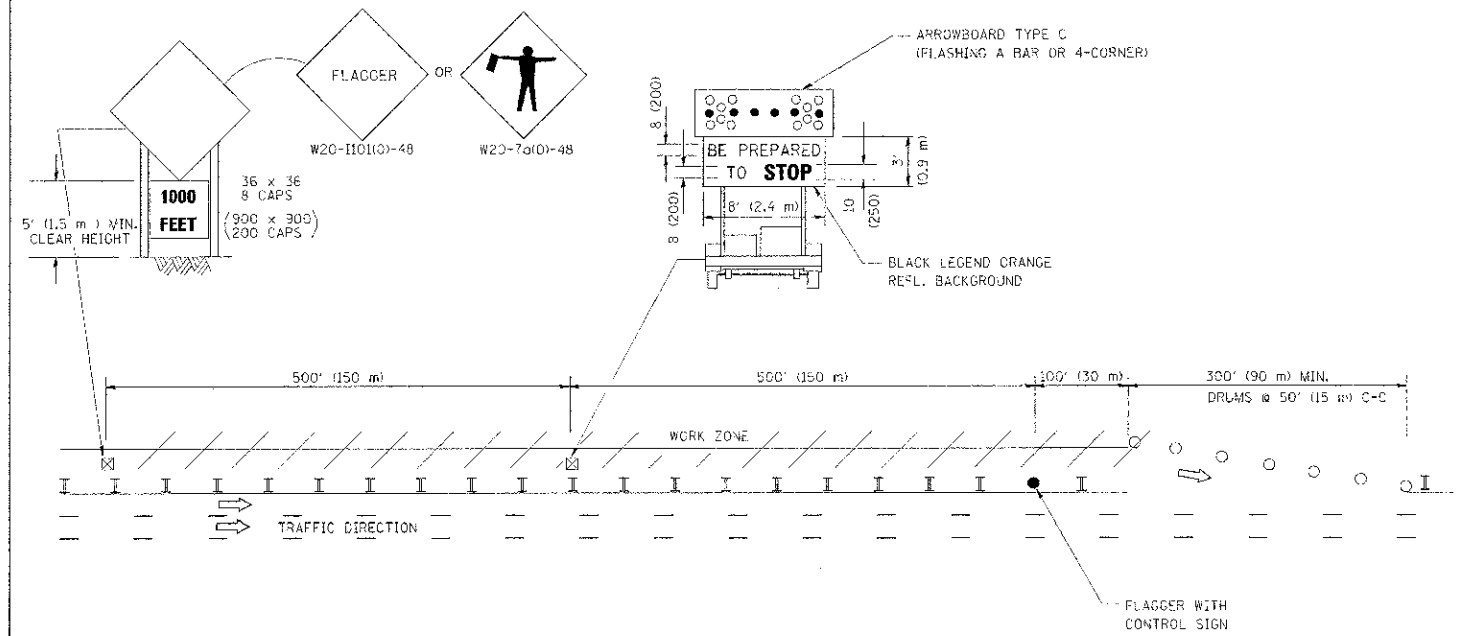
PAVEMENT MARKING LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

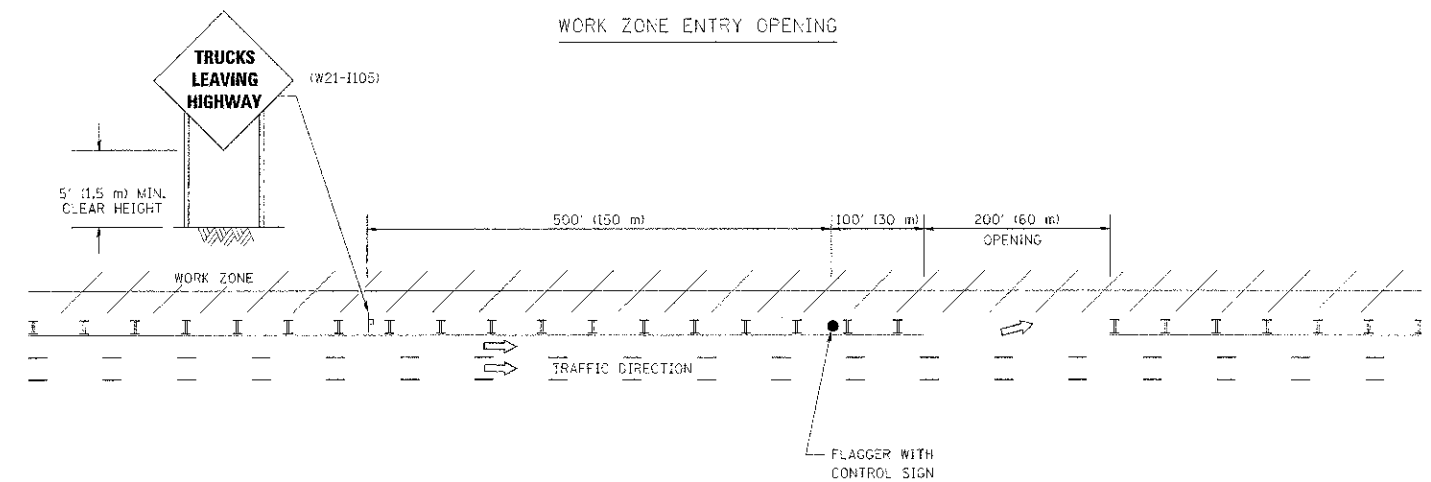
F.A.U. RTE. 2719	SECTION 11-00019-00-RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 27
TC-16		CONTRACT NO. 63736		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003 (868)				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING

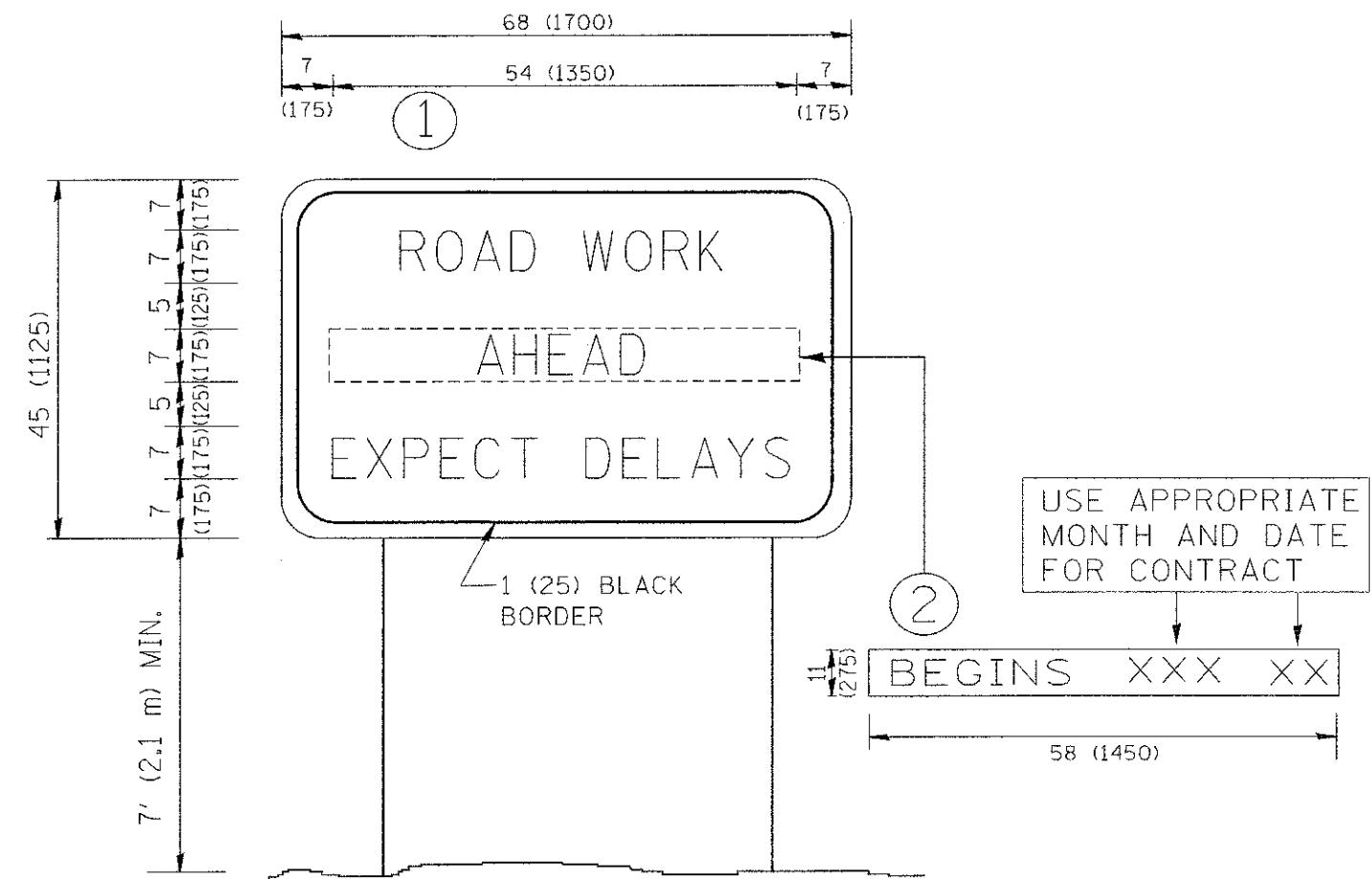


NOTES:

1. THE ARROWBOARD, THE FLAGGER AHEAD SIGN AND THE TRUCKS LEAVING HIGHWAY SIGN SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE EXIT OPENINGS SHOULD BE A MINIMUM OF ONE HALF MILE APART.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	DIST. NAME =	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS</b>			F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
W:\projects\2016\22x34\to\Bldg-		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	2719	11-00019-00-RS	COOK	29	28
		CHECKED -	REVISED -		TC-18			CONTRACT NO. 63736					
		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003 (888)								



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\dssstd\22\04\to22.dgn	USER NAME = gegljanob1	DESIGNED -	REVISED - R. MIRS 09-15-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>	FED. AID RTE. 2719	SECTION 11-00019-00-RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 29
PLOT SCALE = 50,000 / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	TC-22			CONTRACT NO. 63736				
PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003 (868)							
				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		