

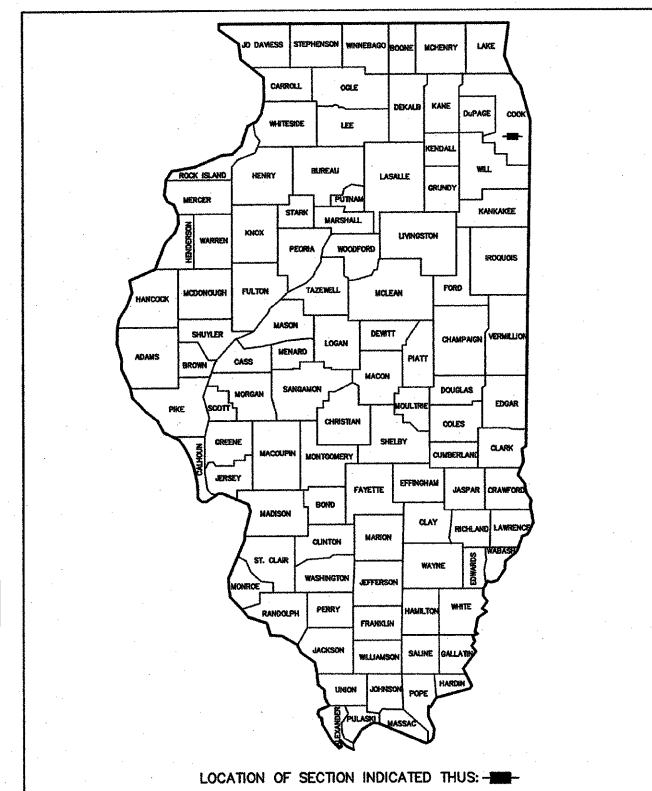
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1030	09-00089-00-RS	COOK	14	1
F.H.W.A. REG.	ILLINOIS	PROJECT ARA-M-9003(278)		

CONTRACT NO. 63319

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU RTE. 1030 (CENTRAL PARK AVENUE)  
FROM 99TH STREET (FAU 1567) TO 91ST STREET (FAU 3776)  
LAPP RESURFACING  
SECTION NO. 09-00089-00-RS  
PROJECT ARA-M-9003(278)  
VILLAGE OF EVERGREEN PARK  
COOK COUNTY  
C-91-484-09



- INDEX OF SHEETS**
- COVER SHEET, INDEX OF SHEETS, LOCATION MAP, INDEX OF STATE STANDARDS
  - GENERAL NOTES, SUMMARY OF QUANTITIES
  - TYPICAL CROSS SECTIONS, HOT-MIX ASPHALT MIXTURE REQUIREMENTS
  - TYPICAL ALLEY RETURN, JOINT, AND DRIVEWAY DETAILS AND CURB & GUTTER DETAIL AT DRAINAGE STRUCTURE
  - PLAN: CENTRAL PARK AVENUE (RESURFACING) - 99TH STREET TO 91ST STREET
  - PLAN: CENTRAL PARK AVENUE (PAVEMENT MARKINGS) - 99TH STREET TO 91ST STREET
  - DISTRICT ONE TYPICAL PAVEMENT MARKINGS
  - TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS, AND DRIVEWAYS
  - SIGNING FOR FLAGGING OPERATION AT WORK ZONE OPENINGS
  - CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
  - FRAMES AND LIDS ADJUSTMENTS WITH MILLING
  - BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS

**STATE STANDARDS**

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 424001-05 CURB RAMPS FOR SIDEWALK
- 442201-03 CLASS C AND D PATCHES
- 604001-03 FRAME & LIDS, TYPE 1
- 606001-04 CONCRETE CURB AND COMBINATION CONCRETE CURB & GUTTER
- 701501-05 URBAN LANE CLOSURE, 2 L, 2 W UNDIVIDED
- 701701-06 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-04 LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS

**PROJECT LOCATION MAP**

N.T.S.

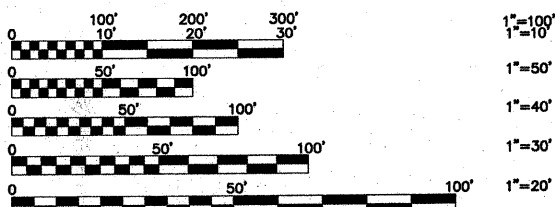
CENTRAL PARK AVE.  
PROJECT ENDS  
AT STA. 53+76

CENTRAL PARK AVE.  
CONTRACT OMISSION  
AT STA. 27+07 TO STA 27+95

**TRAFFIC DATA**

ADT:  
CENTRAL PARK AVENUE 2,867 (2008)

POSTED SPEED	DESIGN SPEED
25 MPH (EXISTING)	25 MPH (EXISTING)
25 MPH (PROPOSED)	25 MPH (PROPOSED)

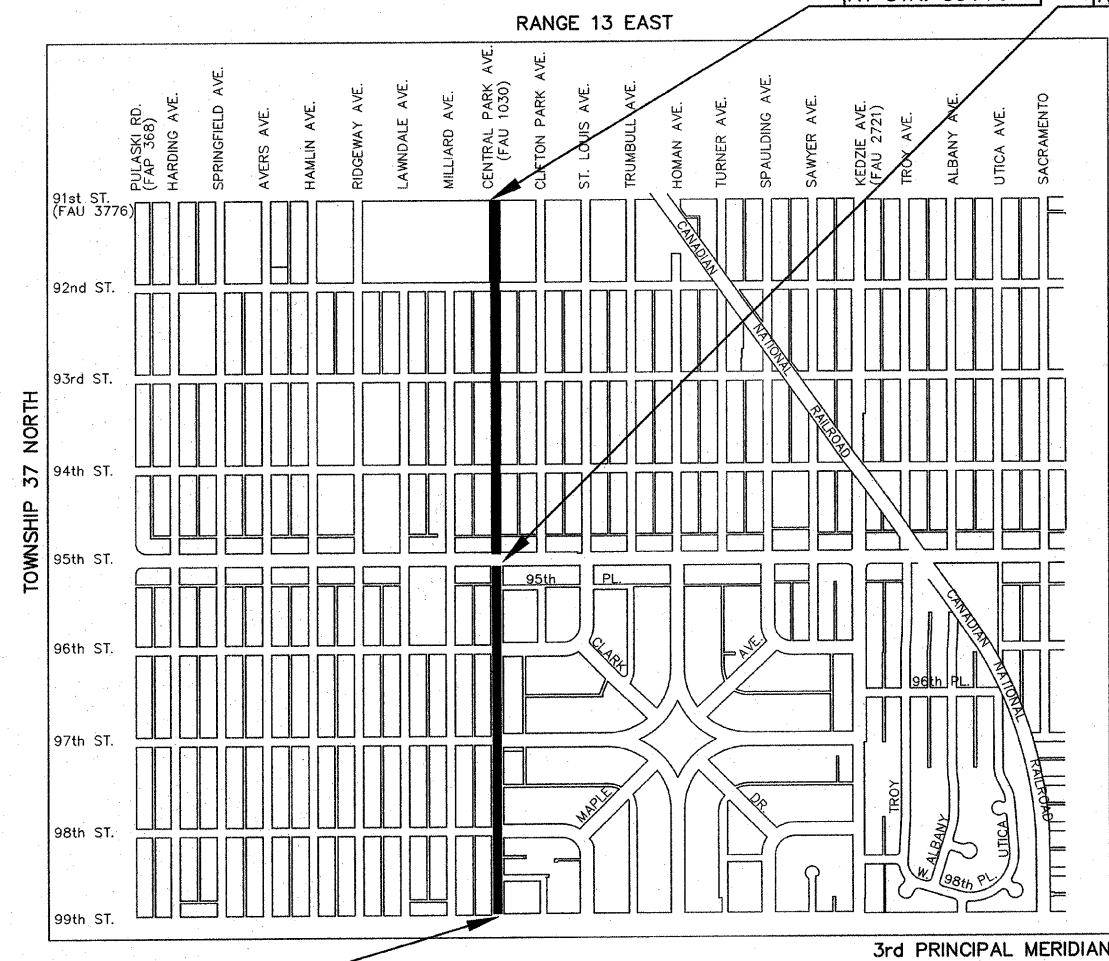


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

**J.U.L.I.E.**  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
CALL 811  
Know what's below.  
Call before you dig.

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Civil Engineers/Municipal Consultants  
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ILLINOIS PROFESSIONAL DESIGN FIRM NO. 154-000828

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	10/19/09	PER I.D.O.T. REVIEW
2	THK	10/23/09	PER I.D.O.T. REVIEW



CENTRAL PARK AVE.  
PROJECT BEGINS  
AT STA. 1+33

DENOTES LOCATION OF IMPROVEMENT  
IN LYONS TOWNSHIP

LENGTH OF PROJECT

GROSS LENGTH OF PROJECT 5,243 FEET (0.9930 MILES)  
NET LENGTH OF PROJECT 5,155 FEET (0.9763 MILES)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED 10-23 2009

VILLAGE PRESIDENT James J. Sexton  
JAMES SEXTON, MAYOR

PASSED October 27, 2009  
C. Heit  
DISTRICT #1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW OCTOBER 29, 2009  
Diana M. O'Keefe  
DEPUTY DIRECTOR OF HIGHWAYS, REGION #1 ENGINEER

Timothy H. Klass  
TIMOTHY H. KLASS, P.E.  
IL. P.E. NO. 062-06111  
EXPIRES 11-30-11  
10-23-09  
DATE

SEAL

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

FIELD ENGINEER: MELCHOR MANGOBA (847)705-4408

CONTRACT NO. 63319

FNA JOB # 08197

**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 AS REQUIRED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**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". ADEQUATE LIGHTING SHALL BE MAINTAINED FROM DUSK TO DAWN AT ALL LOCATIONS WHERE CONSTRUCTION OPERATIONS WARRANT, OR AS DESIGNATED BY THE ENGINEER.

**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 SAWED 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. SAWCUTTING FOR PATCHES WILL BE INCLUDED IN THE COST OF THE PATCHING ITEM.

**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**

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.

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.

ALL ITEMS ASSOCIATED WITH CURB AND GUTTER, DRIVEWAYS AND PATCHING WILL NOT EXCEED THE QUANTITIES LISTED IN THE SUMMARY OF QUANTITIES.

CONCRETE USED FOR DETECTABLE WARNINGS SHALL BE OBTAINED FROM THE SAME SOURCE FOR THE ENTIRE PROJECT. NOTICABLE COLOR VARIATIONS WILL NOT BE ALLOWED. THE CONCRETE SOURCE AND COLORING MANUFACTURER SHALL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION.

**DRAINAGE STRUCTURE REPLACEMENT OR RECONSTRUCTION**

NOTE: LOCATIONS OF CATCH BASINS AND INLETS TO BE REMOVED AND REPLACED, OR CATCH BASINS AND MANHOLES TO BE RECONSTRUCTED, SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

**SUMMARY OF QUANTITIES**

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1030	09-00089-00-RS	COOK	14	2
F.H.W.A. REG.	ILLINOIS	PROJECT ARA-M-9003(278)		

CONTRACT NO. 63319

Item No	Description	Unit	Quantity
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	16
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	16
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	16
SP 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	879
SP 25200100	SODDING	SQ YD	879
35800200	AGGREGATE BASE REPAIR	TON	132
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	4
40600300	AGGREGATE (PRIME COAT)	TON	20
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	1125
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	279
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	2252
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	199
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3372
42400800	DETECTABLE WARNINGS	SQ FT	440
44000100	PAVEMENT REMOVAL	SQ YD	199
SP 44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	19826
44000600	SIDEWALK REMOVAL	SQ FT	3372
44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	206
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	206
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	600
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	995
SP 44300300	AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A	SQ YD	20105
60250200	CATCH BASINS TO BE ADJUSTED	EACH	9
60255500	MANHOLES TO BE ADJUSTED	EACH	1
SP 60257900	MANHOLES TO BE RECONSTRUCTED	EACH	9
60260100	INLETS TO BE ADJUSTED	EACH	10
SP 60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1
SP 60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	45
SP 60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1
67100100	MOBILIZATION	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	137
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	574
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	76
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	160
SP XX003435	PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	1
* SP 44001700	Combination Concrete Curb and Gutter Removal and Replacement	FOOT	1980
SP XX006947	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	508
SP Z0018500	DRAINAGE STRUCTURE TO BE CLEANED	EACH	24
SP Z0019600	DUST CONTROL WATERING	UNIT	7

\* SPECIALTY ITEM

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 Illinois Professional Design Firm No. 184-000928

PROJECT  
**VILLAGE OF EVERGREEN PARK**  
**CENTRAL PARK AVENUE LAPP RESURFACING**  
 SECTION NO. 09-00089-00-RS

R E V I S I O N S			
NO.	BY	DATE	DESCRIPTION
1	THK	10/19/09	PER I.D.O.T. REVIEW
2	THK	10/23/09	PER I.D.O.T. REVIEW

GENERAL NOTES  
**SUMMARY OF QUANTITIES**

PROJECT NO. 08197	SCALE NONE	SHEET 2
DRAWN/DESIGNED JEP-JFP/THK	DATE AUG., 2009	OF 14
CHECKED/APPROVED THK/THK	FIELD BOOK NO. FILE	SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1030	09-00089-00-RS	COOK	14	3
F.H.W.A. REG.	ILLINOIS	PROJECT ARA-M-9003(278)		

CONTRACT NO. 63319

**NOTE:** CONTRACTOR SHALL MILL BEFORE PATCHING.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

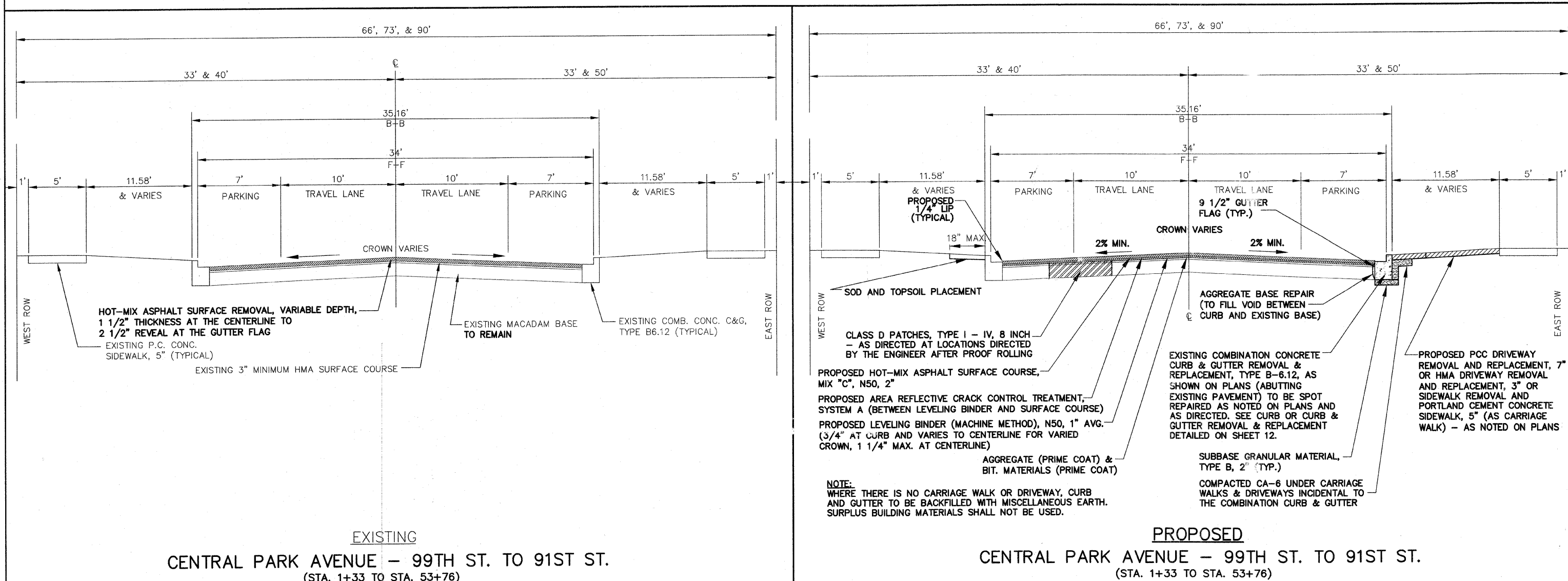
MIXTURE TYPE	PERCENT AIR VOIDS
<b>ROADWAY</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" (IL-9.5mm)	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50, 1" (IL-9.5mm)	4% @ 50 GYR
<b>DRIVEWAYS</b>	
HMA DRIVEWAY REPLACEMENT (HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50)	4% @ 50 GYR
<b>PATCHING</b>	
CLASS D PATCHES, TYPE I-IV, 8", (HMA BINDER IL-19.0mm)	4% @ 70 GYR

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

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 70-22" 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"



**TYPICAL CROSS SECTIONS**

SCALE: 1"=4'

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PROJECT  
**VILLAGE OF EVERGREEN PARK**  
**CENTRAL PARK AVENUE LAPP RESURFACING**  
 SECTION NO. 09-00089-00-RS

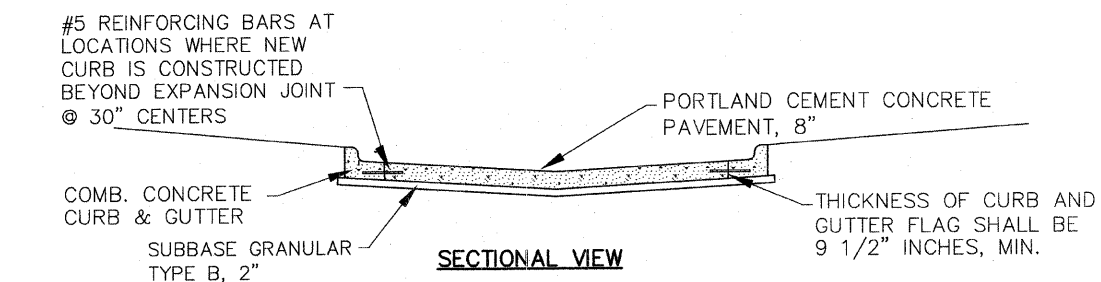
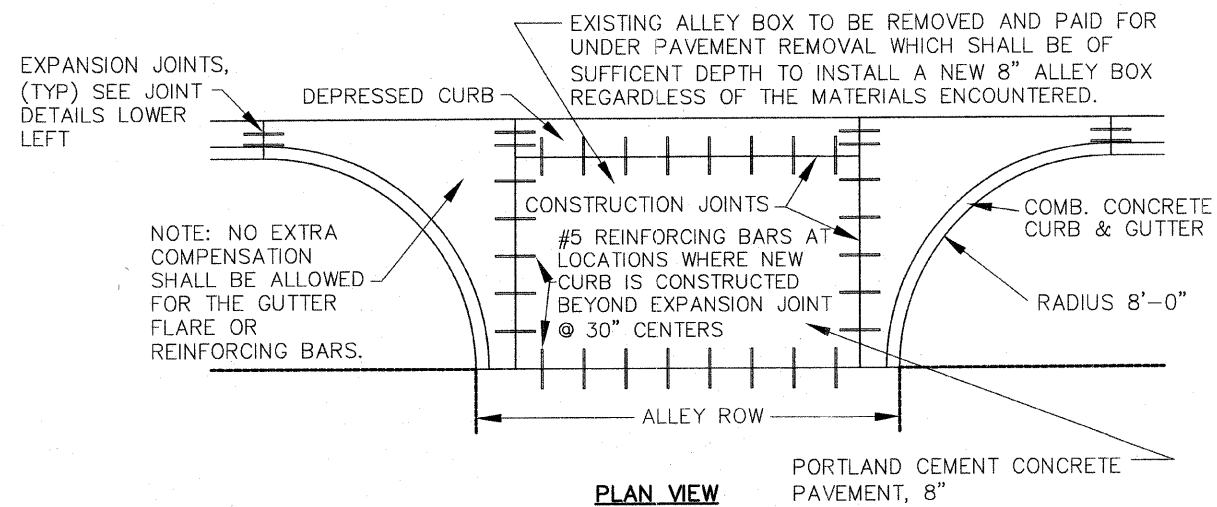
REVISIONS			
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TYPICAL CROSS SECTIONS  
 HOT-MIX ASPHALT  
 MIXTURE REQUIREMENTS

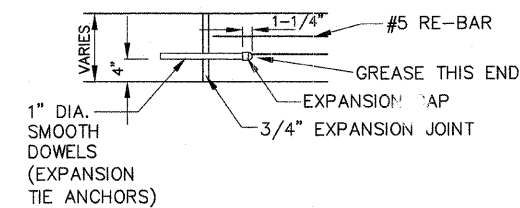
PROJECT NO. 08197	SCALE AS NOTED	SHEET 3 OF 14 SHEETS
DRAWN/DESIGNED JEP-JFP/THK	DATE AUG., 2009	
CHECKED/APPROVED THK/THK	FIELD BOOK NO. FILE	

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1030	09-00089-00-RS	COOK	14	4
F.H.W.A. REG.	ILLINOIS	PROJECT ARA-M-9003(278)		

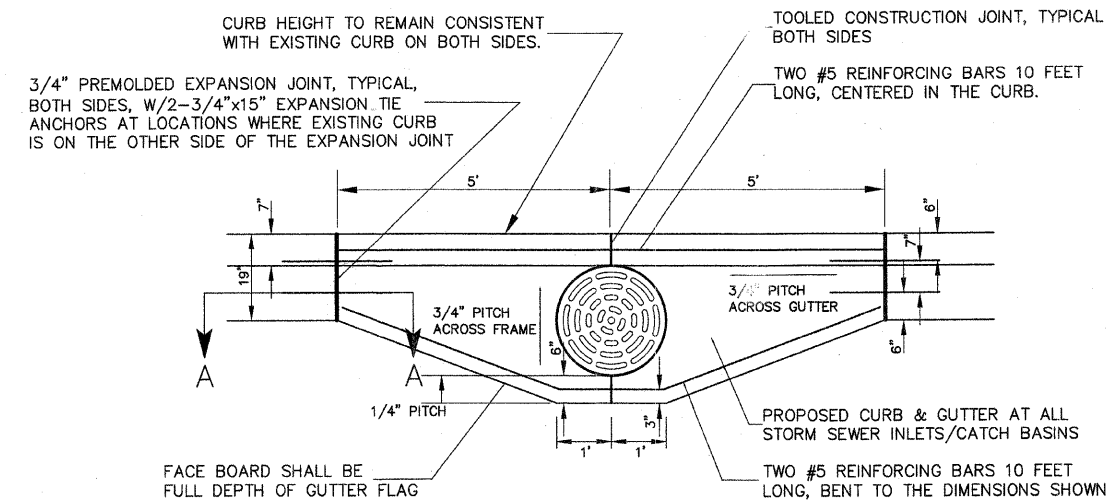
CONTRACT NO. 63319



TYPICAL ALLEY RETURN DETAIL



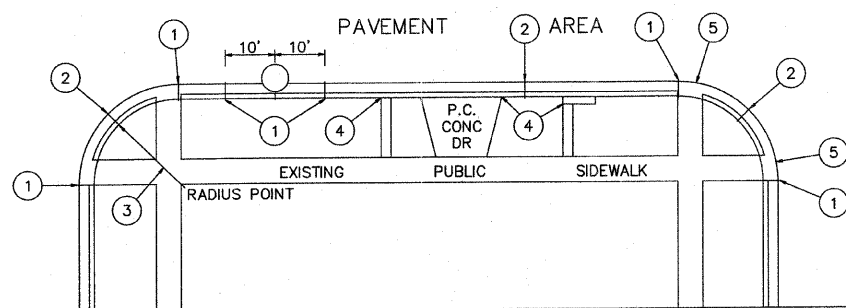
SECTION A-A  
SMOOTH DOWEL DETAIL  
AT EXPANSION JOINT



THE ADDITIONAL COST TO BUILD THIS GUTTER FLARE AROUND THE DRAINAGE STRUCTURE SHALL BE INCLUDED IN THE COST OF COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT.

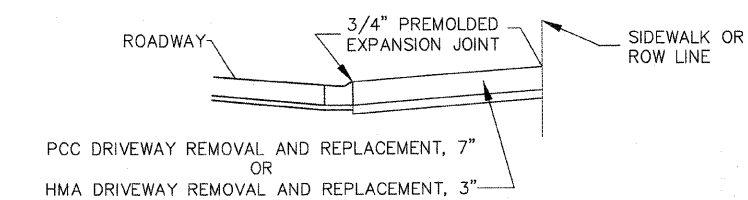
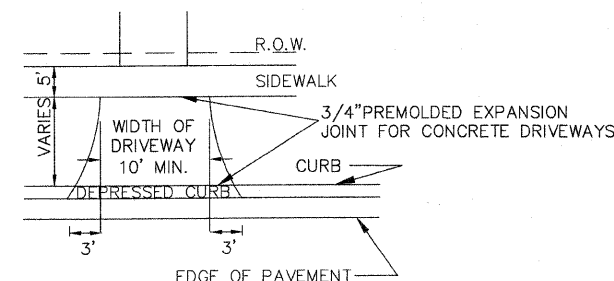
THIS GUTTER FLARE SHALL BE CONSTRUCTED AROUND CLOSED LID STRUCTURES THAT FALL IN THE CURB LINE. WHERE TWO STRUCTURES FALL IN THE CURB LINE, THE FLARE SHALL BE COMBINED.

CURB & GUTTER DETAIL  
AT DRAINAGE STRUCTURE



- EXPANSION JOINTS AT TANGENT POINTS AND 150 FOOT INTERVALS, CONSISTING OF ONE INCH PREMOLDED JOINT FILLER MATERIAL WITH #8 DOWEL BARS, 18" IN LENGTH, GREASED, PROVIDE EXPANSION CAP ON ONE END. ALSO CONSTRUCT THIS JOINT TEN FEET EACH SIDE OF PROPOSED UNDERGROUND STRUCTURE.
- CONTRACTION JOINTS AT TEN FOOT INTERVALS AND AT THE CENTER OF RETURNS.
- ALL RADI SHALL BE 25 FEET TO THE BACK OF CURB UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- LONGITUDINAL EXPANSION JOINT CONSISTING OF 3/4" PREMOLDED JOINT FILLER.
- DEPRESS CURB AT LOCATIONS WHERE PUBLIC WALKS INTERSECT CURB LINE AT STREET INTERSECTIONS, ALLEYS, AND OTHER LOCATIONS AS DIRECTED, FOR THE CONSTRUCTION OF RAMPED SIDEWALKS FOR ACCESS BY THE HANDICAPPED.

JOINT DETAILS



THICKNESS OF CURB AND GUTTER FLAG SHALL BE 9 1/2" INCHES, MIN.

SAWCUTTING AND THE 3/4" PREMOLDED EXPANSION JOINT WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO PCC DRIVEWAY PAVEMENT, 7"

TYPICAL DRIVEWAY DETAIL

REVISIONS				
NO.	BY	DATE	DESCRIPTION	
1	THK	10/23/09	PER I.D.O.T. REVIEW	

TYPICAL ALLEY RETURN, JOINT, AND DRIVEWAY DETAILS AND CURB & GUTTER DETAIL AT DRAINAGE STRUCTURE	PROJECT NO. 08197	SCALE NONE	SHEET 4
	DRAWN/DESIGNED JEP-JFP/THK	DATE AUG., 2009	OF 14
	CHECKED/APPROVED THK/THK	FIELD BOOK NO. FILE	SHEETS



FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1030	09-00089-00-RS	COOK	14	5
F.H.W.A. REG.	ILLINOIS PROJECT ARA-M-9003(278)	CONTRACT NO. 63319		

**LEGEND**

- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, LEVELING BINDER (MACHINE METHOD), N50, 1" AVG., AREA SELECTIVE CRACK CONTROL TREATMENT, SYSTEM A, AND HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 2"
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT, (4.5' WIDTH)
- DENOTES PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT, 7"
- DENOTES HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, 3"
- DENOTES P.C. CONCRETE SIDEWALK, 5" REMOVAL & REPLACEMENT, WITH DETECTABLE WARNING TACTILE STRIP PER I.D.O.T. STANDARD 424001-05 FOR HANDICAP RAMPS
- "A" DENOTES EXISTING INLETS, CATCH BASINS, HANDHOLES, AND MANHOLES TO BE CLEANED, GROUDED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN, COMMON OR CONCRETE BRICK TO BE REPLACED WITH PRECAST CONCRETE ADJUSTING RINGS)
- "S" DENOTES EXISTING STRUCTURES TO BE ADJUSTED (SPECIAL) (SEE SHEET 13 FOR DETAIL)
- "C" DENOTES EXISTING INLETS AND CATCH BASINS TO BE CLEANED AND GROUDED
- "R" DENOTES EXISTING STRUCTURES TO BE RECONSTRUCTED
- 8 FT DENOTES COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT PROVIDE DETECTABLE WARNINGS AND RAMPS AT ALL SIDEWALK

**NOTE:**

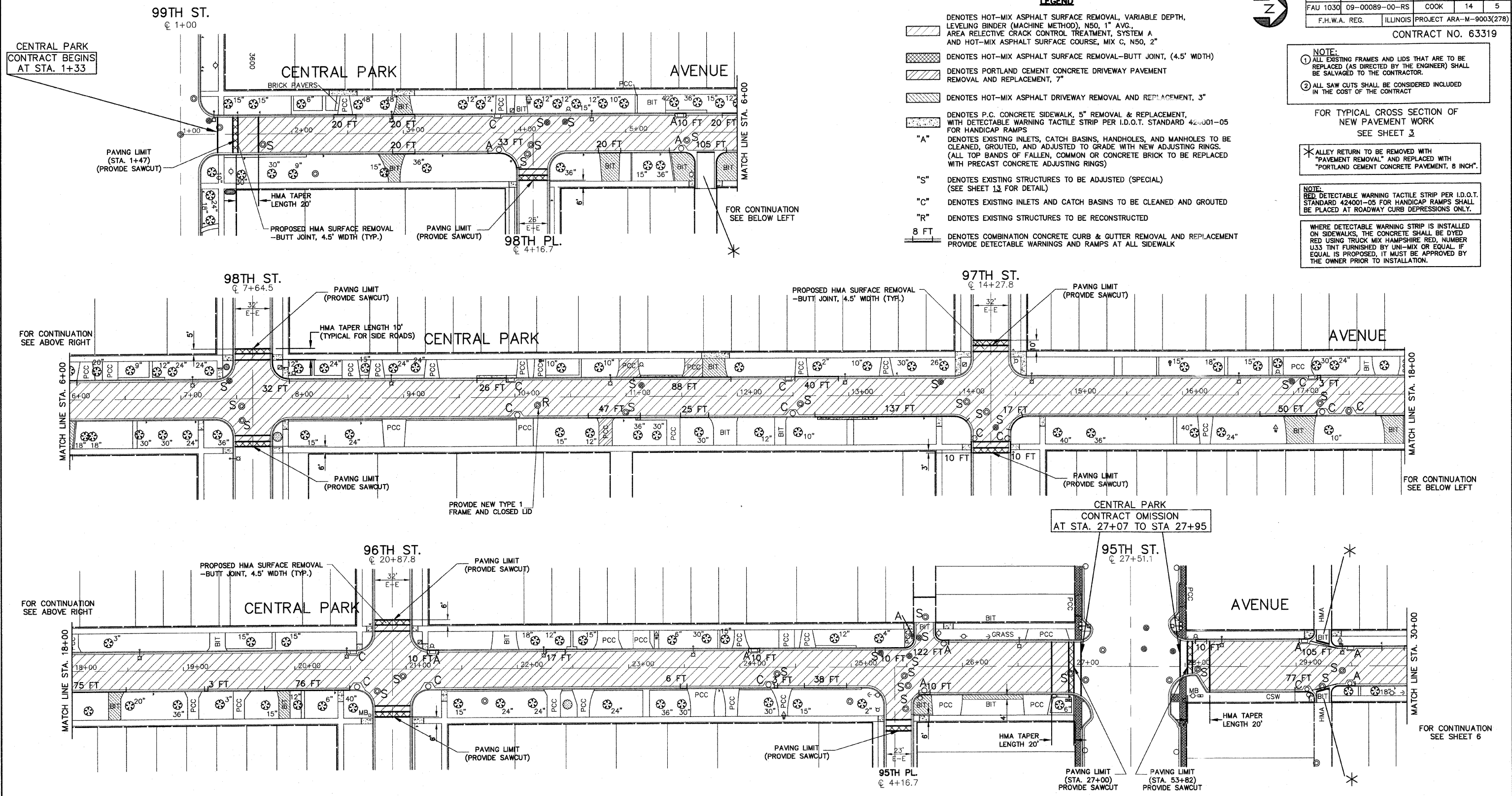
- ALL EXISTING FRAMES AND LIDS THAT ARE TO BE REPLACED (AS DIRECTED BY THE ENGINEER) SHALL BE SALVAGED TO THE CONTRACTOR.
- ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT

FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK  
SEE SHEET 3

\*ALLEY RETURN TO BE REMOVED WITH "PAVEMENT REMOVAL" AND REPLACED WITH "PORTLAND CEMENT CONCRETE PAVEMENT, 8 INCH".

**NOTE:**  
RED DETECTABLE WARNING TACTILE STRIP PER I.D.O.T. STANDARD 424001-05 FOR HANDICAP RAMPS SHALL BE PLACED AT ROADWAY CURB DEPRESSIONS ONLY.

WHERE DETECTABLE WARNING STRIP IS INSTALLED ON SIDEWALKS, THE CONCRETE SHALL BE DYED RED USING TRUCK MIX HAMPSHIRE RED, NUMBER U33 TINT FURNISHED BY UNI-MIX OR EQUAL IF EQUAL IS PROPOSED, IT MUST BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.



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

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	10/23/09	PER I.D.O.T. REVIEW

PROJECT NO. 08197	SCALE 1"=40'	SHEET 5 OF 14 SHEETS
DRAWN/DESIGNED JEP-JFP/THK	DATE AUG., 2009	
CHECKED/APPROVED THK/THK	FIELD BOOK NO. FILE	

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1030	09-00089-00-RS	COOK	14	6
F.H.W.A. REG.	ILLINOIS PROJECT ARA-M-9003(278)			

CONTRACT NO. 63319

**NOTE:**  
 ① ALL EXISTING FRAMES AND LIDS THAT ARE TO BE REPLACED (AS DIRECTED BY THE ENGINEER) SHALL BE SALVAGED TO THE CONTRACTOR.  
 ② ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT







FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK  
 SEE SHEET 3

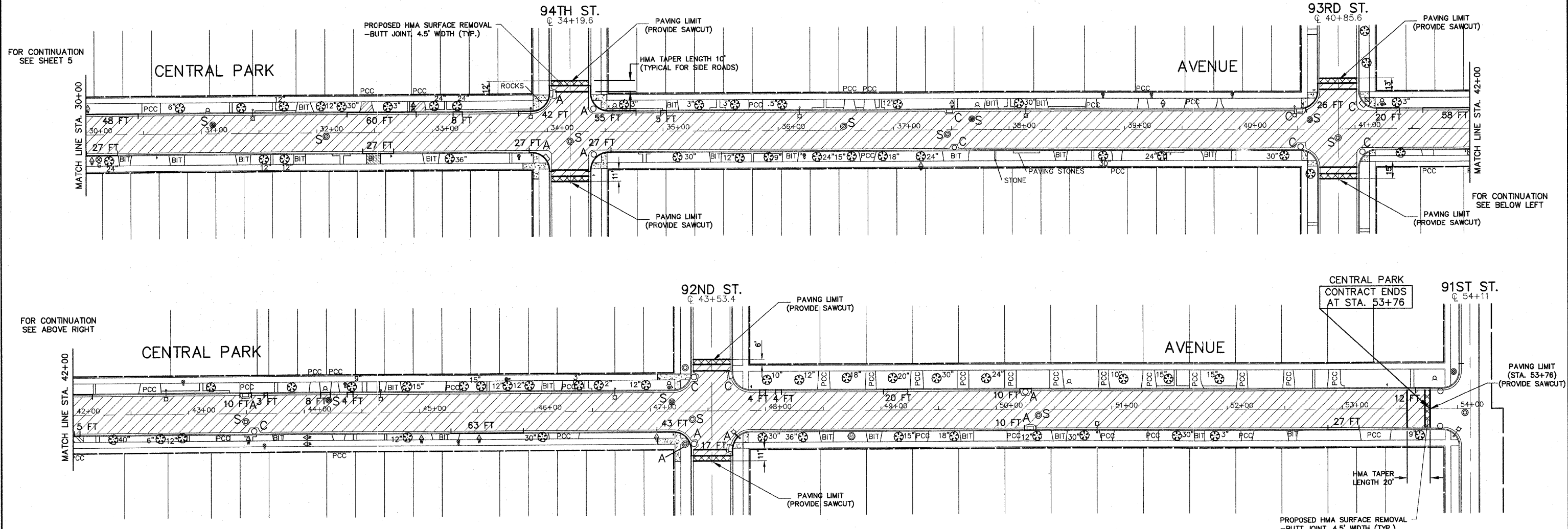
\* ALLEY RETURN TO BE REMOVED WITH "PAVEMENT REMOVAL" AND REPLACED WITH "PORTLAND CEMENT CONCRETE PAVEMENT, 8 INCH".

**NOTE:**  
 RE: DETECTABLE WARNING TACTILE STRIP PER I.D.O.T. STANDARD 424001-05 FOR HANDICAP RAMPS SHALL BE PLACED AT ROADWAY CURB DEPRESSIONS ONLY.

WHERE DETECTABLE WARNING STRIP IS INSTALLED ON SIDEWALKS, THE CONCRETE SHALL BE DYED RED USING TRUCK MIX HAMPSHIRE RED, NUMBER U33 TINT FURNISHED BY UNI-MIX OR EQUAL. IF EQUAL IS PROPOSED, IT MUST BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.

**LEGEND**

-  DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, LEVELING BINDER (MACHINE METHOD), N50, 1" AVG., AREA RELECTIVE CRACK CONTROL TREATMENT, SYSTEM A AND HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 2"
-  DENOTES HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT, (4.5' WIDTH)
-  DENOTES PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT, 7"
-  DENOTES HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, 5"
-  DENOTES P.C. CONCRETE SIDEWALK, 5" REMOVAL & REPLACEMENT, WITH DETECTABLE WARNING TACTILE STRIP PER I.D.O.T. STANDARD 424001-05 FOR HANDICAP RAMPS
- "A" DENOTES EXISTING INLETS, CATCH BASINS, HANDHOLES, AND MANHOLES TO BE CLEANED, GROUDED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN, COMMON OR CONCRETE BRICK TO BE REPLACED WITH PRECAST CONCRETE ADJUSTING RINGS)
- "S" DENOTES EXISTING STRUCTURES TO BE ADJUSTED (SPECIAL) (SEE SHEET 13 FOR DETAIL)
- "C" DENOTES EXISTING INLETS AND CATCH BASINS TO BE CLEANED AND GROUDED
- "R" DENOTES EXISTING STRUCTURES TO BE RECONSTRUCTED
-  8 FT DENOTES COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT PROVIDE DETECTABLE WARNINGS AND RAMPS AT ALL SIDEWALK



**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 Engineers/Municipal Consultants  
 825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0132  
 Illinois Professional Design Firm No. 184-000928

PROJECT: VILLAGE OF EVERGREEN PARK  
 CENTRAL PARK AVENUE LAPP RESURFACING  
 SECTION NO. 09-00089-00-RS

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	10/23/09	PER I.D.O.T. REVIEW

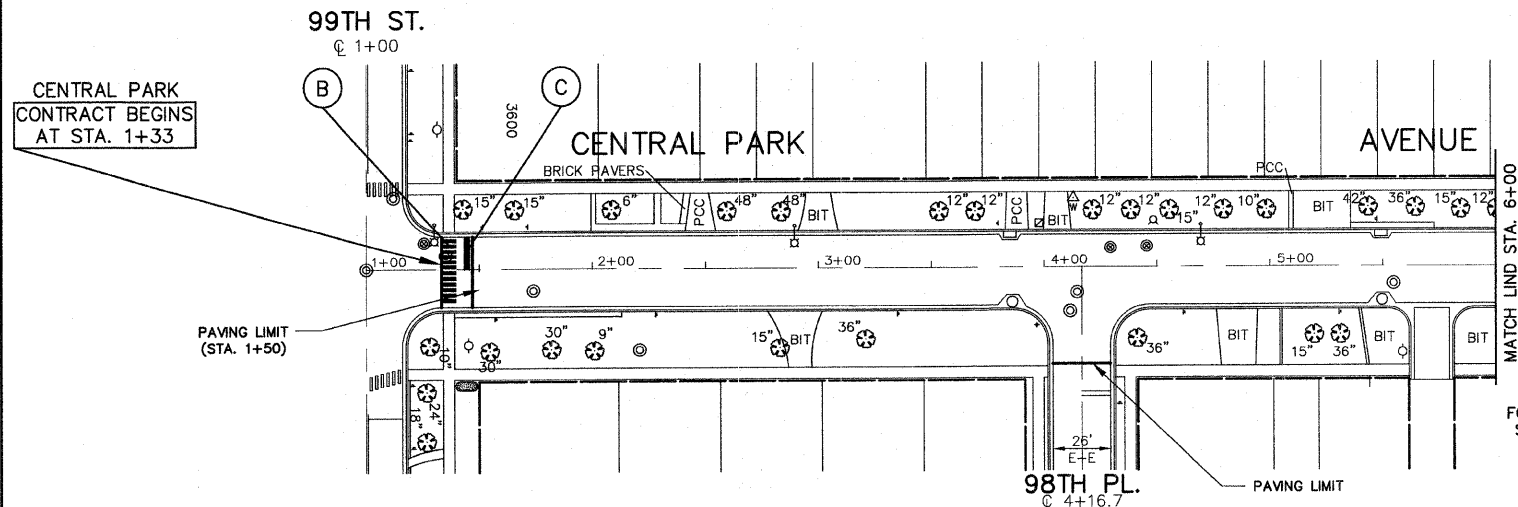
PLAN: CENTRAL PARK AVENUE - STA. 30+00 TO 91ST ST. (RESURFACING)

PROJECT NO. 08197	SCALE 1"=40'	SHEET 6 OF 14 SHEETS
DRAWN/DESIGNED JEP-JFP/THK	DATE AUG., 2009	
CHECKED/APPROVED THK/THK	FIELD BOOK NO. FILE	

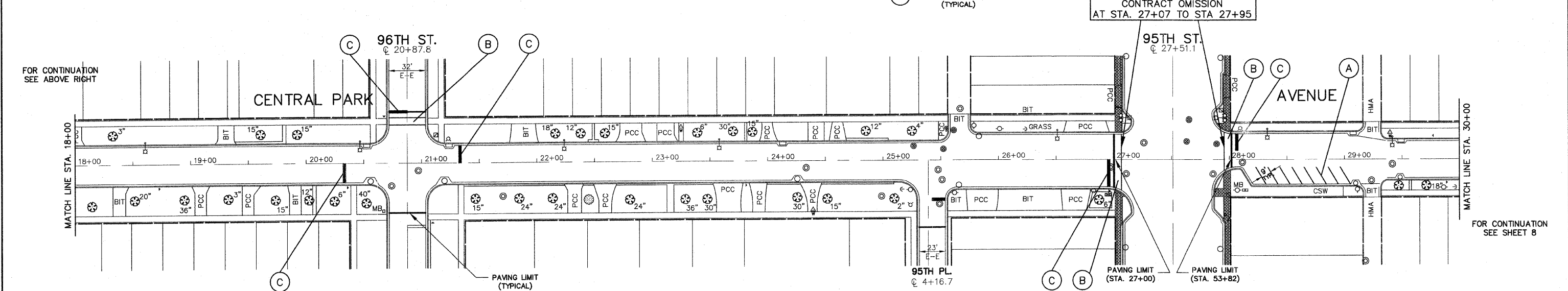
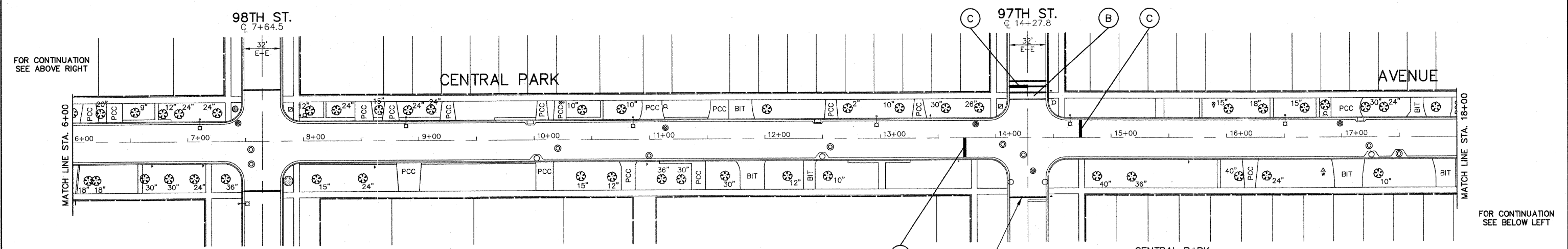


FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1030	09-00089-00-RS	COOK	14	7
F.H.W.A. REG.	ILLINOIS PROJECT ARA-M-9003(278)			

CONTRACT NO. 63319



- THERMOPLASTIC STRIPING CODE**
- (A) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 4" (PARKING STALL LINE)
  - (B) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (CROSSWALK LINE)
  - (C) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)



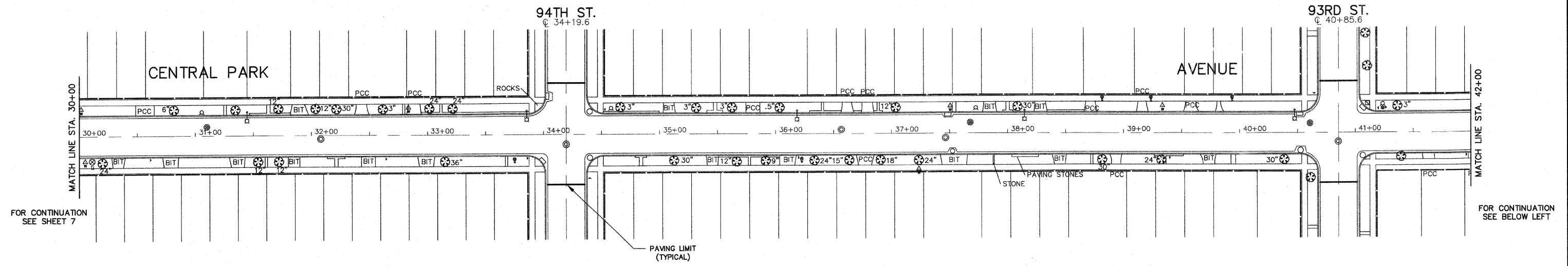
**IMPORTANT!**  
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	10/23/09	PER I.D.O.T. REVIEW



FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1030	09-00089-00-RS	COOK	14	8
F.H.W.A. REG.	ILLINOIS PROJECT ARA-M-9003(278)			

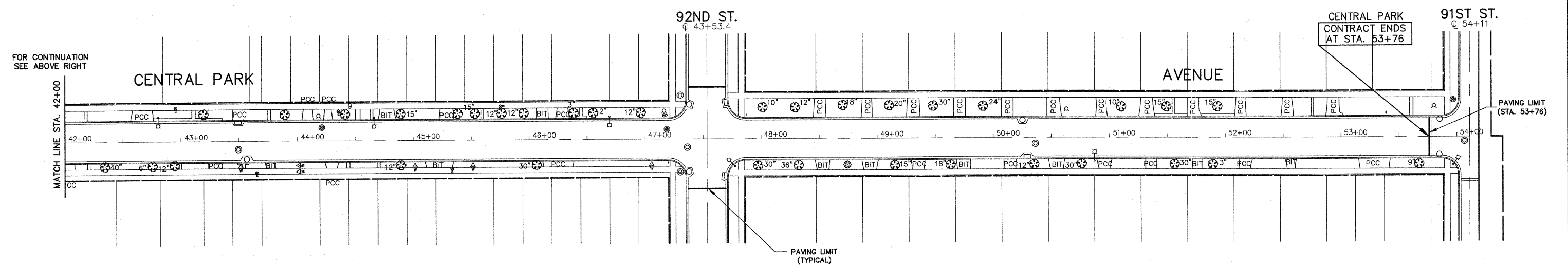
CONTRACT NO. 63319



**THERMOPLASTIC STRIPING CODE**

- (A) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 4" (PARKING STALL LINE)
- (B) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (CROSSWALK LINE)
- (C) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)

"NO STRIPING THIS SHEET"



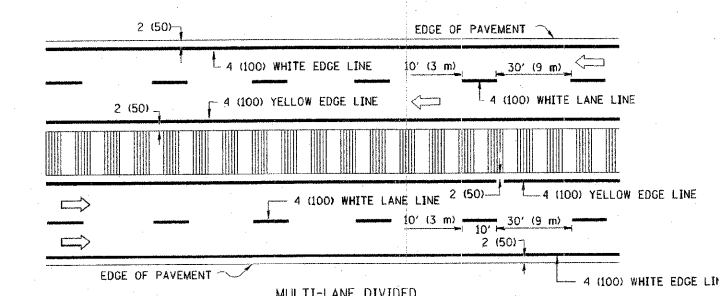
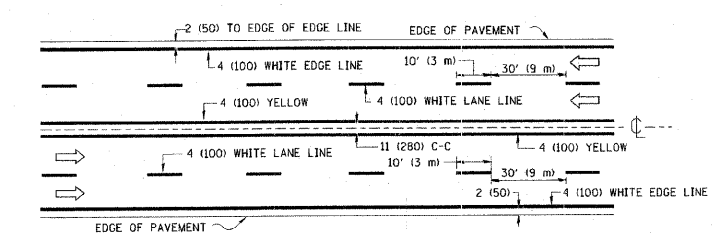
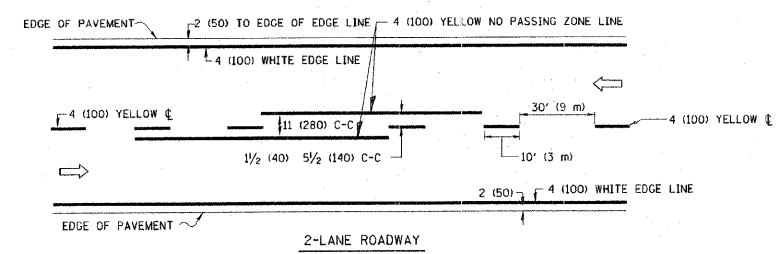
**IMPORTANT!**  
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

R E V I S I O N S			
NO.	BY	DATE	DESCRIPTION
1	THK	10/23/09	PER I.D.O.T. REVIEW

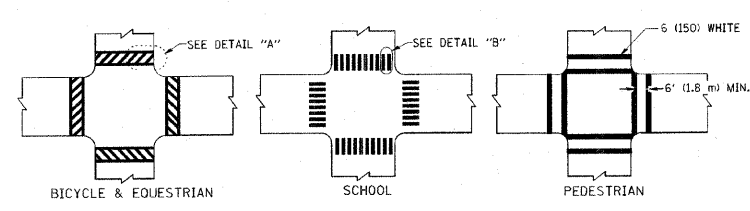
**PLAN:**  
CENTRAL PARK AVENUE -  
STA. 30+00 TO 91ST ST.  
(PAVEMENT MARKING)

PROJECT NO. 08197	SCALE 1"=40'	SHEET 8 OF 14 SHEETS
DRAWN/DESIGNED JEP-JFP/THK	DATE AUG., 2009	
CHECKED/APPROVED THK/THK	FIELD BOOK NO. FILE	

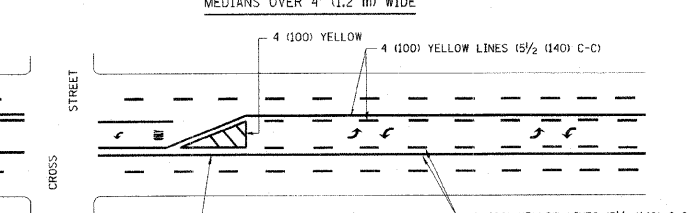
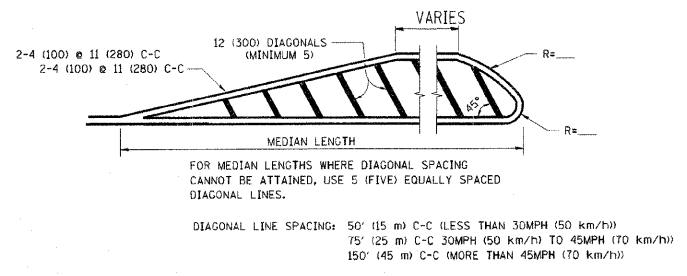
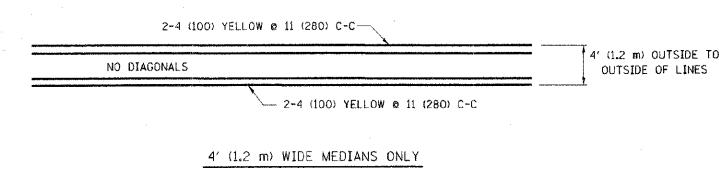




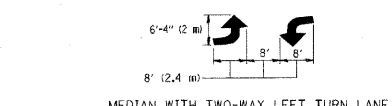
TYPICAL LANE AND EDGE LINE MARKING



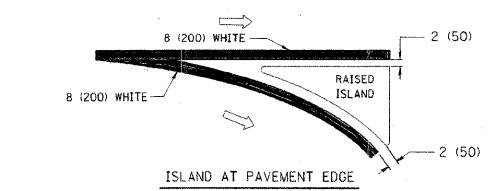
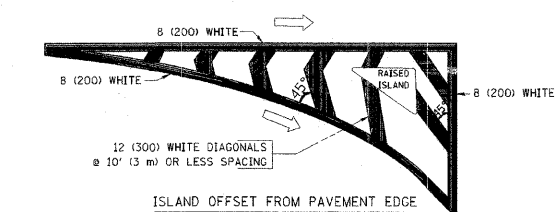
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



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	5/2 (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; 5/2 (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" (4.7 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' (25 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.

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

	LARGE SIZE	SMALL SIZE
THROUGH ARROW	1.07 (11.5)	0.60 (6.5)
LEFT OF RIGHT ARROW	1.47 (15.6)	0.60 (6.5)
COMBINATION LEFT (RIGHT) AND THROUGH ARROW	2.42 (28.0)	1.37 (14.7)
RAILROAD "R" 1.8m (6ft.)	0.33 (3.6)	---
RAILROAD "X" 8.1m (26ft.)	5.02(54.0)	---
HANDICAPPED SYMBOL	0.43 (4.6)	---

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
C. JUCLIS	09-09-09

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE

TYPICAL PAVEMENT MARKINGS

SCALE: NONE

DRAWN BY CADD

CHECKED BY

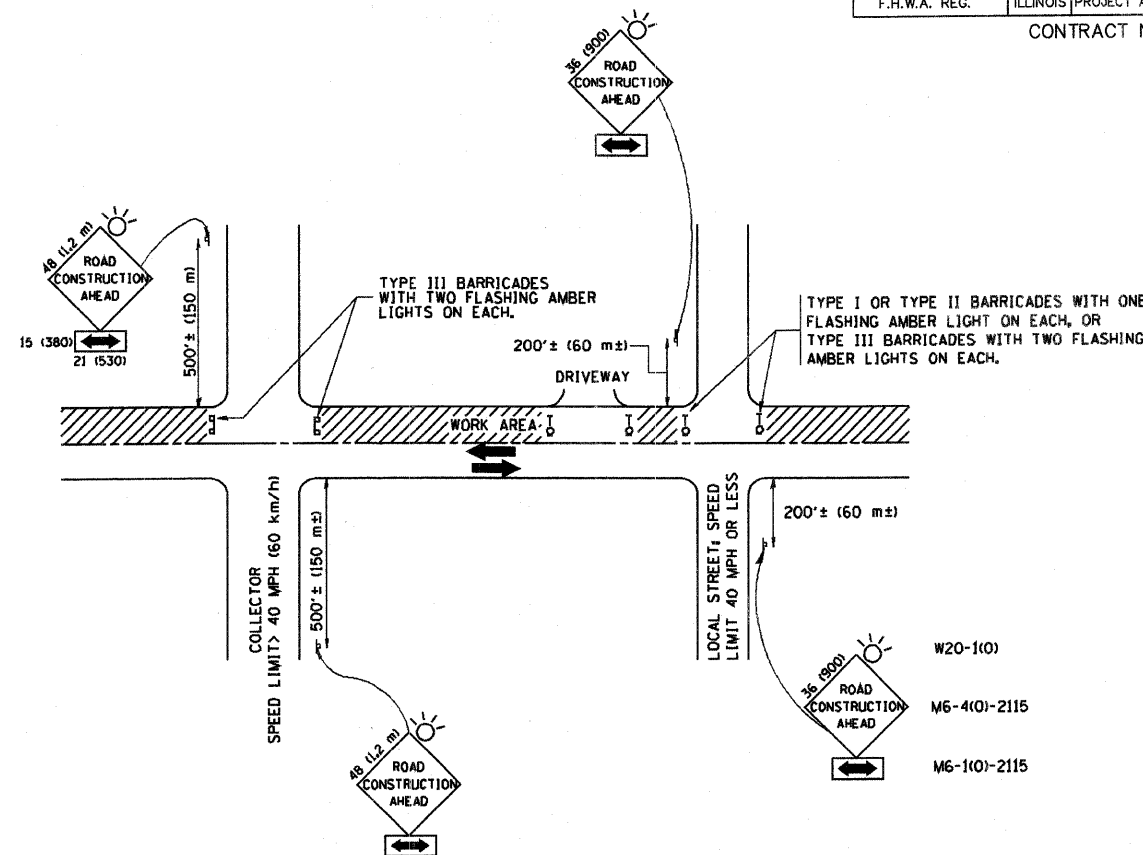
TC-13

PLOT DATE = 9/9/2009  
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 USER NAME = jrb

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	10/23/09	PER I.D.O.T. REVIEW

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1030	09-00089-00-RS	COOK	14	10
F.H.W.A. REG.	ILLINOIS	PROJECT ARA-M-9003(278)		

CONTRACT NO. 63319



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 DRIVEWAYS:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 70150), 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.

REVISIONS	
NO.	DATE
1	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC CONTROL AND PROTECTION  
FOR  
SIDE ROADS, INTERSECTIONS, AND  
DRIVEWAYS

SCALE: NONE

DRAWN BY  
CHECKED BY  
TC-10

PLOT DATE: 2/6/2007  
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USER: thk

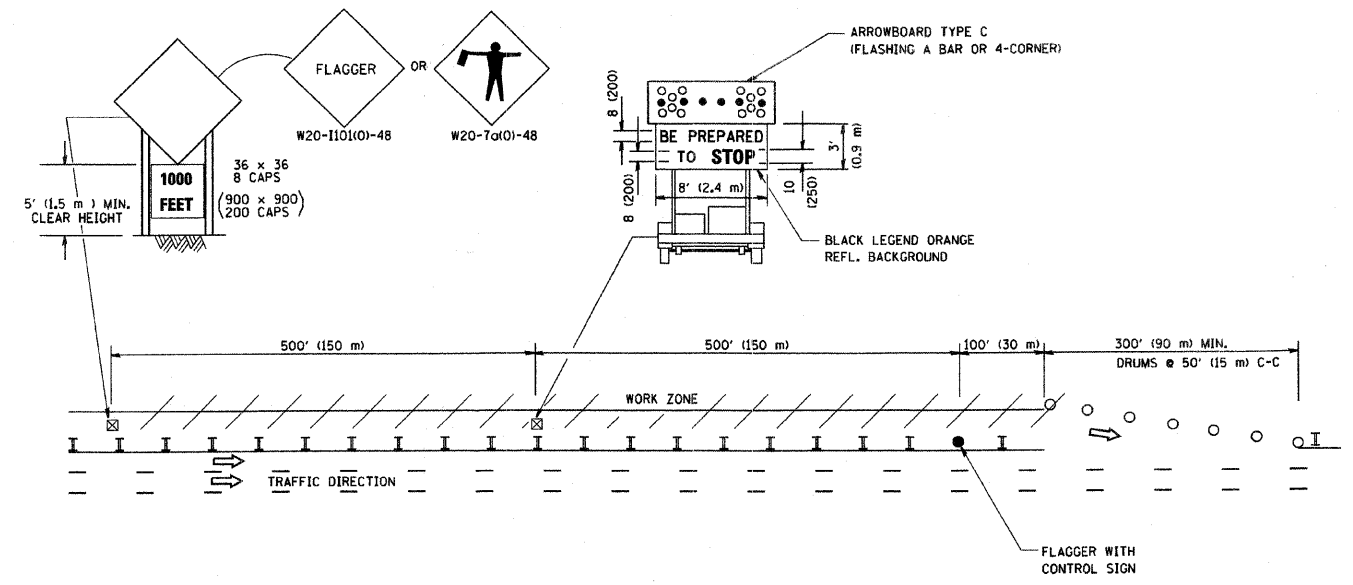
REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	10/23/09	PER I.D.O.T. REVIEW

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1030	09-00089-00-RS	COOK	14	11
F.H.W.A. REG.	ILLINOIS	PROJECT ARA-M-9003(278)		

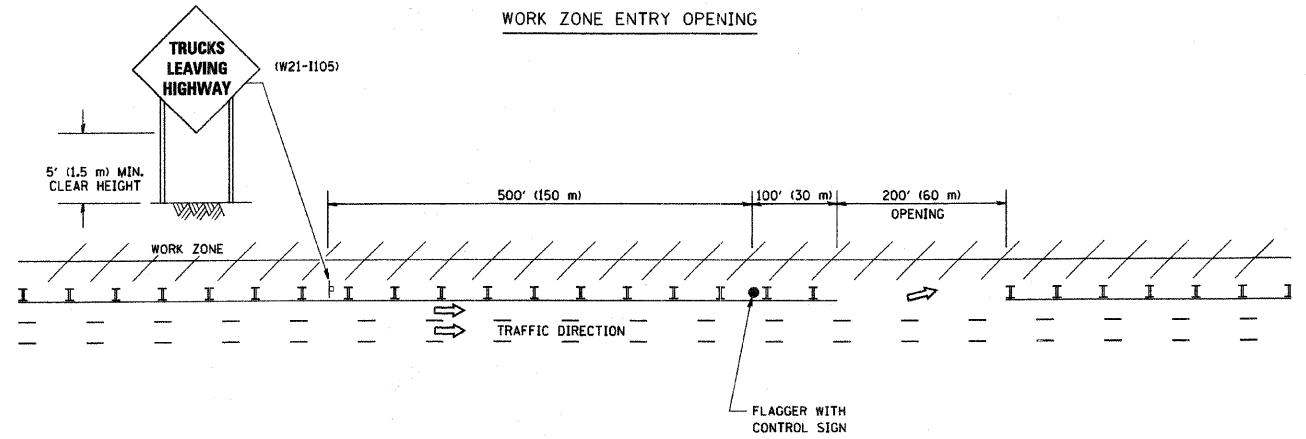
CONTRACT NO. 63319

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. The Arrowboard, the Flagger Ahead trailer mounted 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.
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

REVISIONS	
NO.	DATE
DWS	8/98
JAF	4/03
JAF	2/06
SPB	1/07

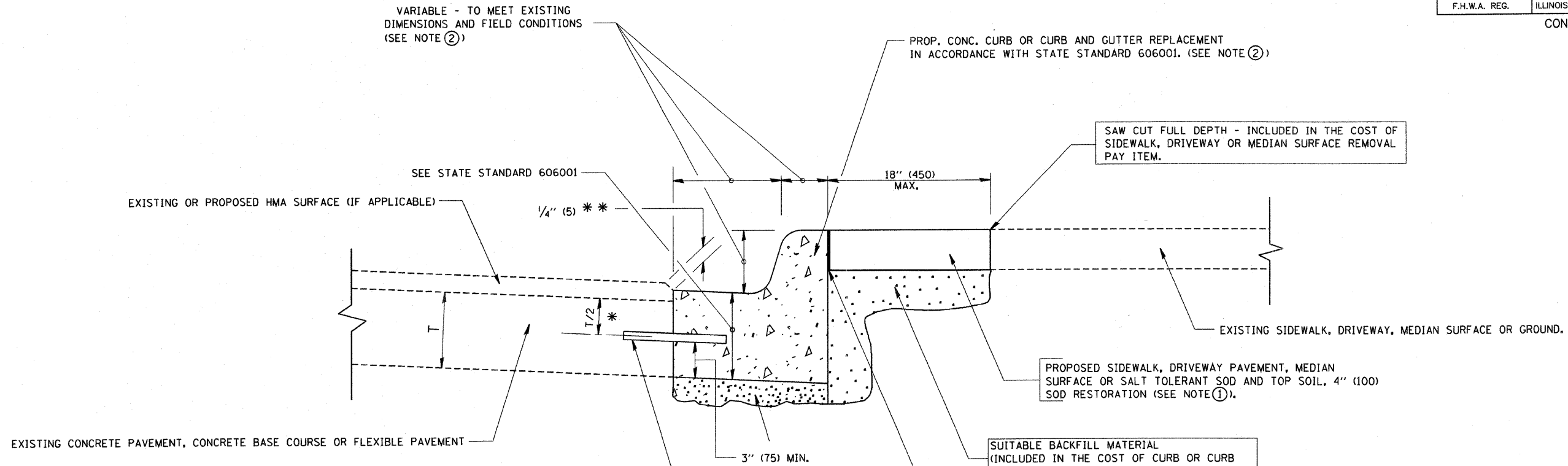
ILLINOIS DEPARTMENT OF TRANSPORTATION  
SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS  
SCALE: NONE  
DRAWN BY CADD  
CHECKED BY TC-18

PLOT DATE = 3/7/2007  
PLOT SCALE = 1/8" = 1'-0"  
PLOT USER = bowerd

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	10/23/09	PER I.D.O.T. REVIEW

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1030	09-00089-00-RS	COOK	14	12
F.H.W.A. REG.		ILLINOIS	PROJECT ARA-M-9003(278)	

CONTRACT NO. 63319



- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

- ② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

**BASIS OF PAYMENT:**  
 THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

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

REVISIONS	
NO.	DATE
A. HOUSEH	03/11/94
R. SHAH	02/24/95
R. SHAH	03/02/95
R. SHAH	08/19/96
R. SHAH	09/12/96
R. SHAH	09/19/96
R. SHAH	10/03/96
A. ABBAS	03/21/97
M. GOMEZ	01/22/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

SCALE: VERT. NONE  
 HORIZ. DRAWN BY  
 CHECKED BY  
 BD600-06 (BD-24)

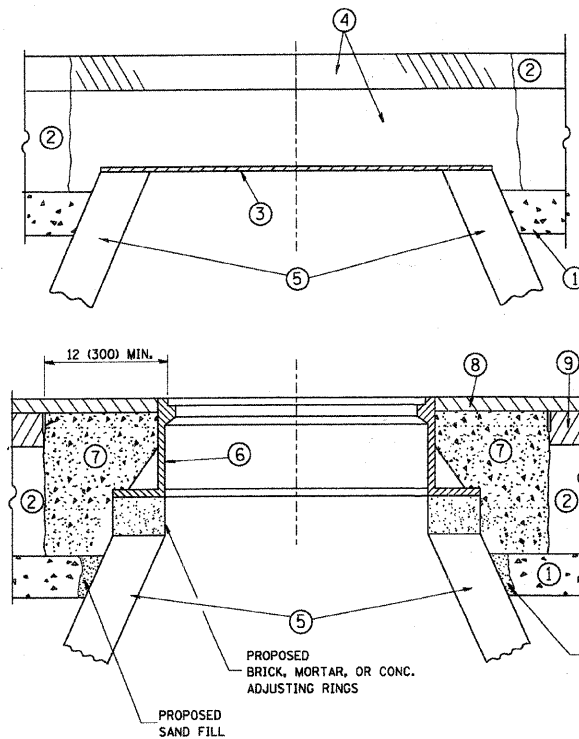
## CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

PLOT DATE: 3/5/2007  
 FILE NAME: I:\data\municipal\0424.dwg  
 USER: jshah  
 PLOTTER: HP DesignJet 500

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	10/19/09	PER I.D.O.T. REVIEW
2	THK	10/23/09	PER I.D.O.T. REVIEW

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1030	09-00089-00-RS	COOK	14	13
F.H.W.A. REG.		ILLINOIS	PROJECT ARA-M-9003(278)	

CONTRACT NO. 63319



**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 S1 CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

**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 S1 CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**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.

**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:** THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR

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

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NO.	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT  
WITH MILLING**

SCALE: VERT. NONE  
HORIZ.

DRAWN BY  
CHECKED BY  
BD600-03 (BD-8)

PLOT DATE = 3/5/2007  
PLOT SCALE = 1/8" = 1'-0"  
USER NAME = bborndf

**Frank Novotny & Associates, Inc.**  
Civil Engineers / Municipal Consultants  
825 Midway Drive ♦ Willowbrook, IL ♦ 60527 ♦ Telephone: (630) 887-8640 ♦ Fax: (630) 887-0132  
Illinois Professional Design Firm No. 184-000928

PROJECT: VILLAGE OF EVERGREEN PARK  
CENTRAL PARK AVENUE LAPP RESURFACING  
SECTION NO. 09-00089-00-RS

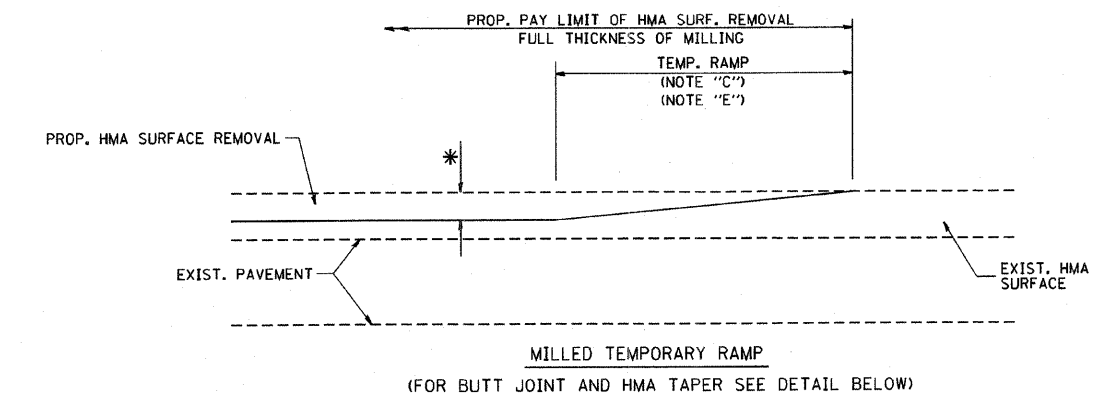
REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	10/23/09	PER I.D.O.T. REVIEW

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

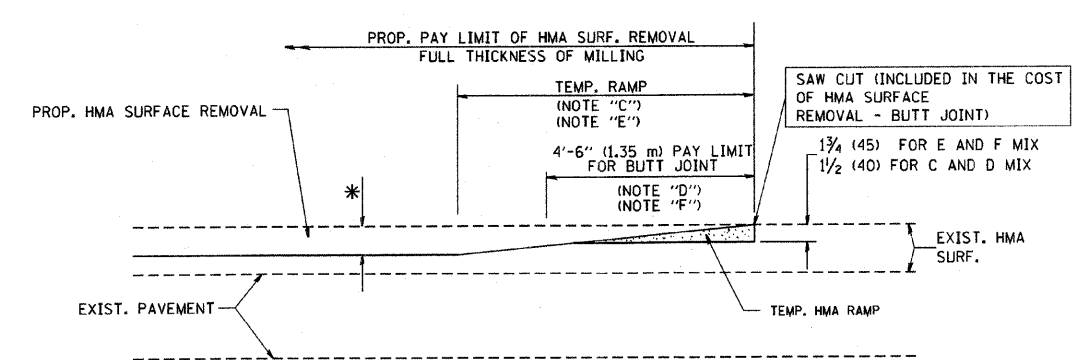
PROJECT NO. 08197	SCALE NONE	SHEET 13
DRAWN/DESIGNED JEP-JFP/THK	DATE AUG., 2009	OF 14
CHECKED/APPROVED THK/THK	FIELD BOOK NO. FILE	SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1030	09-00089-00-RS	COOK	14	14
F.H.W.A. REG.		ILLINOIS	PROJECT ARA-M-9003(278)	

CONTRACT NO. 63319

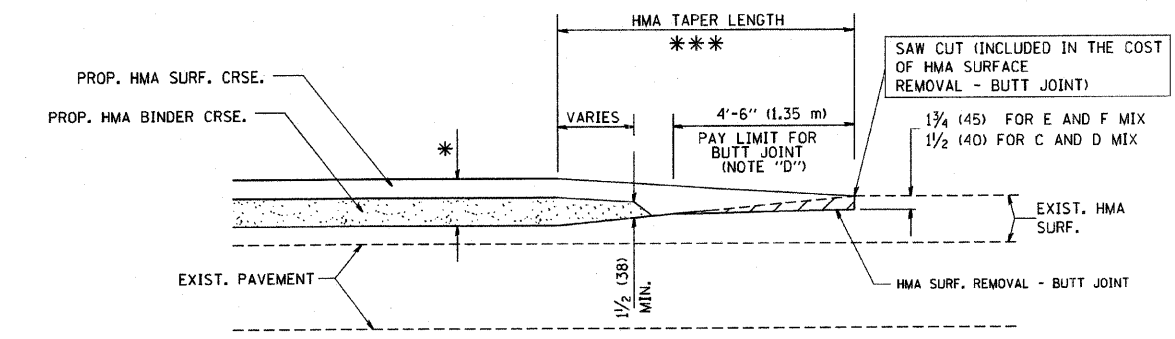


OPTION 1



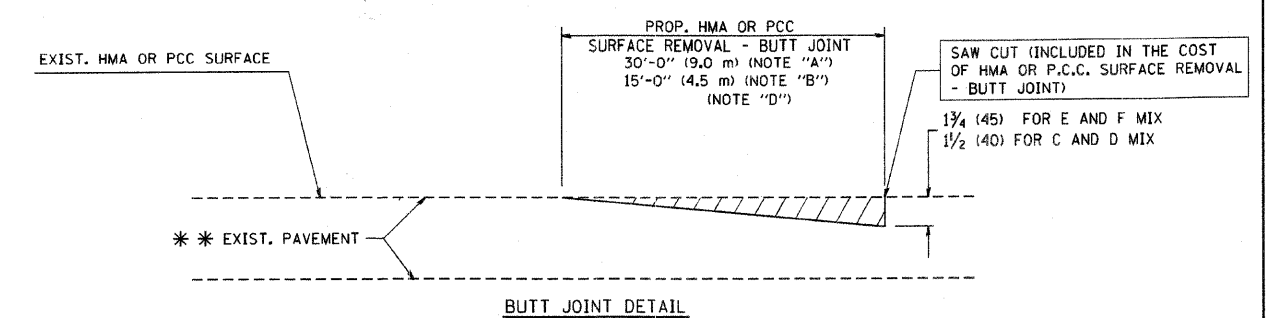
OPTION 2

TYPICAL TEMPORARY RAMP

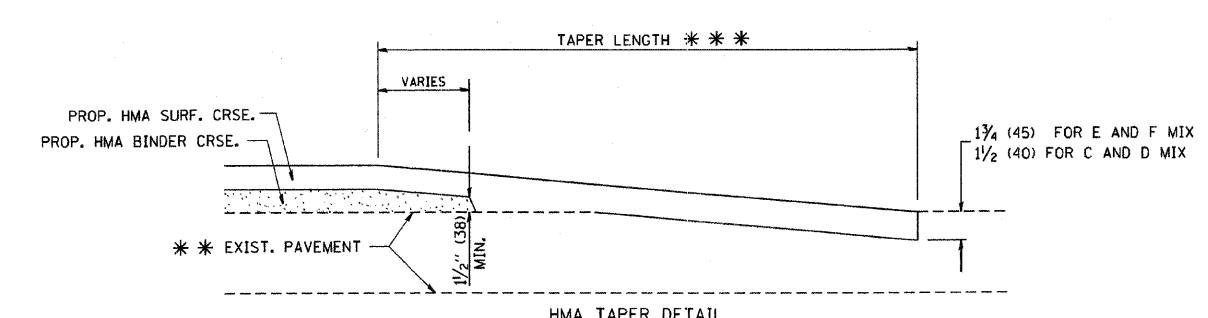


BUTT JOINT AND HMA TAPER

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")

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

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".

REVISIONS	
NO.	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: VERT. NONE  
HORIZ. NONE  
DRAWN BY  
CHECKED BY  
BD400-05 (VI=BD32)

PLOT DATE = 3/2/2007  
FILE NAME = K:\dvs\p\09022.dgn  
USER NAME = bbarndt / R

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	10/23/09	PER I.D.O.T. REVIEW

BUTT JOINT AND HMA TAPER DETAILS