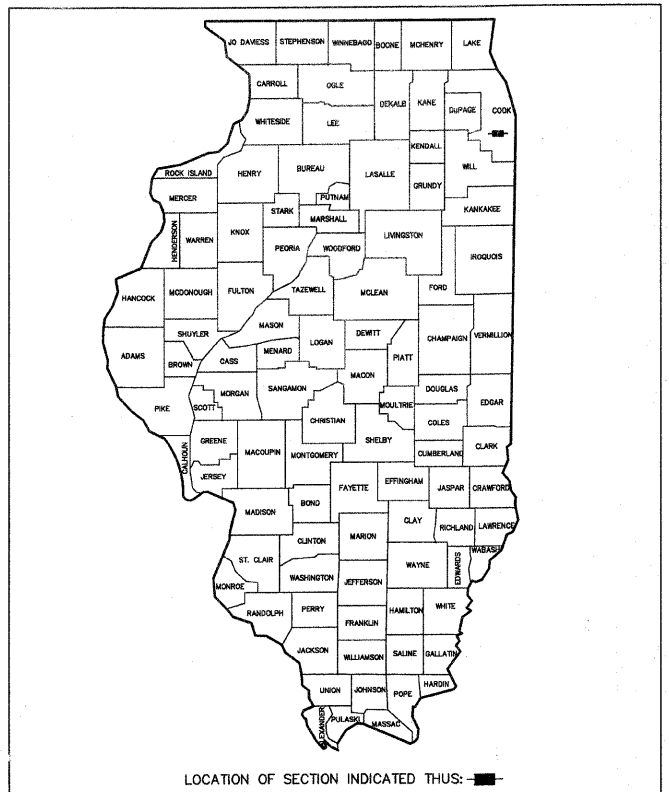


FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3776	08-00088-00-RS	COOK	14	1
F.H.W.A. REG.	ILLINOIS PROJECT	M-9003(156)	CONTRACT NO. 63318	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU RTE. 3776 (91ST STREET)
FROM PULASKI ROAD (FAP 368) TO KEDZIE AVENUE (FAU 2721)
LAPP RESURFACING
SECTION NO. 08-00088-00-RS
PROJECT M-9003(156)
VILLAGE OF EVERGREEN PARK
COOK COUNTY
C-91-172-09



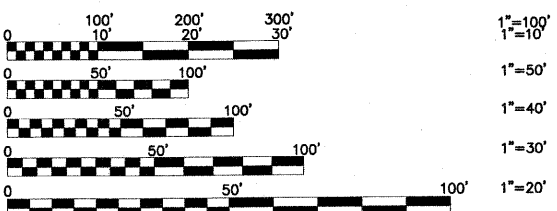
- ### INDEX OF SHEETS
- 1.) COVER SHEET, INDEX OF SHEETS, LOCATION MAP, INDEX OF STATE STANDARDS
 - 2.) GENERAL NOTES, SUMMARY OF QUANTITIES
 - 3.) TYPICAL CROSS SECTIONS, HOT-MIX ASPHALT MIXTURE REQUIREMENTS
 - 4.) TYPICAL ALLEY RETURN, JOINT, AND DRIVEWAY DETAILS AND CURB & GUTTER DETAIL AT DRAINAGE STRUCTURE
 - 5-6.) PLAN: 91ST STREET (RESURFACING) - PULASKI ROAD TO KEDZIE AVENUE
 - 7-8.) PLAN: 91ST STREET (PAVEMENT MARKINGS) - PULASKI ROAD TO KEDZIE AVENUE
 - 9.) DISTRICT ONE TYPICAL PAVEMENT MARKINGS
 - 10.) TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS, AND DRIVEWAYS
 - 11.) SIGNING FOR FLAGGING OPERATION AT WORK ZONE OPENINGS
 - 12.) CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
 - 13.) FRAMES AND LIDS ADJUSTMENTS WITH MILLING
 - 14.) BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS

- ### STATE STANDARDS
- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
 - 424001-05 CURB RAMPS FOR SIDEWALK
 - 604001-03 FRAME & LIDS, TYPE 1
 - 606001-04 CONCRETE CURB AND COMBINATION CONCRETE CURB & GUTTER
 - 442201-03 CLASS C AND D PATCHES
 - 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
 - 886001-01 DETECTOR LOOP INSTALLATIONS
 - 886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

TRAFFIC DATA


ADT:
91st STREET 3,750 (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



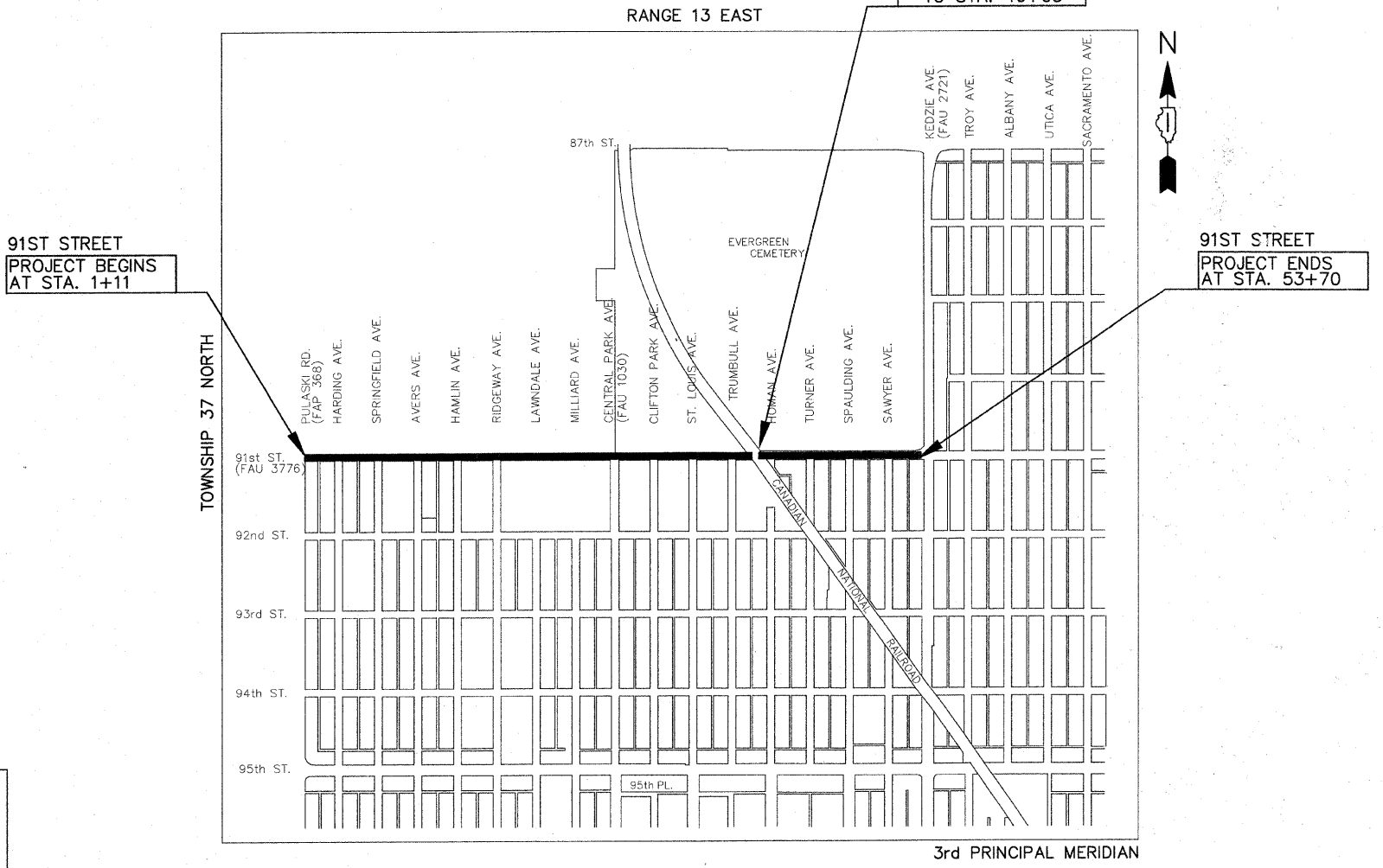
Frank Novotny & Associates, Inc.
825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0132
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000228

REVISIONS

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

CONTRACT NO. 63318

91st STREET
CONTRACT OMISSION
AT STA. 39+59
TO STA. 40+03



— DENOTES LOCATION OF IMPROVEMENT
IN LYONS TOWNSHIP

LENGTH OF PROJECT

GROSS LENGTH OF PROJECT	5,259 FEET (0.9960 MILES)
NET LENGTH OF PROJECT	5,215 FEET (0.9877 MILES)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 10-28 2009


VILLAGE PRESIDENT James J. Sexton
JAMES SEXTON, MAYOR

PASSED OCTOBER 29, 2009
CTH
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. 062-046111
EXPIRES 11-30-11

10-29-09
DATE



PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

FIELD ENGINEER: MELCHOR MANCOBA (847)705-4408

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. 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.

SAVING EXISTING IMPROVEMENTS

ALL PERMANENT TYPE PAVEMENTS OR OTHER PERMANENT IMPROVEMENTS WHICH ADJUT THE PROPOSED IMPROVEMENT AND MUST BE REMOVED, SHALL BE SAVED AS DIRECTED PRIOR TO REMOVAL. ALL ITEMS SO REMOVED SHALL BE REPLACED WITH SIMILAR CONSTRUCTION MATERIALS TO THEIR ORIGINAL CONDITION OR BETTER. PAYMENT FOR SAVING 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.

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 3776	08-00088-00-RS	COOK	14	2
F.H.W.A. REG.	ILLINOIS	PROJECT	M-9003(156)	

CONTRACT NO. 63318

Item No	Description	Unit	Construction Code	1000 Quantity
20101400	NITROGEN FERTILIZER NUTRIENT	POUND		26
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND		26
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND		26
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD		753
25200100	SODDING	SQ YD		2,800
35800200	AGGREGATE BASE REPAIR	TON		225
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON		5
40600300	AGGREGATE (PRIME COAT)	TON		13
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON		772
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD		212
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON		1,543
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD		188
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT		3,498
42400800	DETECTABLE WARNINGS	SQ FT		440
44000100	PAVEMENT REMOVAL	SQ YD		188
SP 44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD		12,906
44000600	SIDEWALK REMOVAL	SQ FT		4,269
44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD		122
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD		122
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD		356
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD		578
SP 44300300	AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A	SQ YD		13,118
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH		1
60250200	CATCH BASINS TO BE ADJUSTED	EACH		22
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH		2
60255500	MANHOLES TO BE ADJUSTED	EACH		1
60257900	MANHOLES TO BE RECONSTRUCTED	EACH		3
60260100	INLETS TO BE ADJUSTED	EACH		5
60265700	VALVE VAULTS TO BE ADJUSTED	EACH		4
60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH		1
SP 60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH		21
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH		3
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH		2
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
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	SQ FT		60
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT		4,800
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT		800
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT		20
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT		450
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT		28
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT		12
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT		250
* X7800200	PAINT PAVEMENT MARKING CURB	FOOT		410
X0003435	PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL	SQ YD		180
SP	AND REPLACEMENT			
* 440001700	Combination Concrete Curb & Gutter Removal & Replacement	FOOT		3,900
SP X0006947	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD		2,700
SP Z0018500	DRAINAGE STRUCTURE TO BE CLEANED	EACH		1
SP Z0019600	DUST CONTROL WATERING	UNIT		4
* Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM		1

* - SPECIALTY ITEM
SP - SPECIAL PROVISION INCLUDED

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
91ST STREET LAPP RESURFACING
SECTION NO. 08-00088-00-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

GENERAL NOTES
JOINT DETAILS
SUMMARY OF QUANTITIES

PROJECT NO. 08199	SCALE NONE	SHEET 2
DRAWN/DESIGNED JEP-JFP/THK	DATE AUG., 2009	OF 14
CHECKED/APPROVED THK/THK	FIELD BOOK NO. FILE	SHEETS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS
ROADWAY	
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
DRIVEWAYS	
HMA DRIVEWAY REPLACEMENT (HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50)	4% @ 50 GYR
PATCHING	
CLASS D PATCHES, TYPE I-IV, 8", (HMA BINDER IL-19.0mm)	4% @ 70 GYR

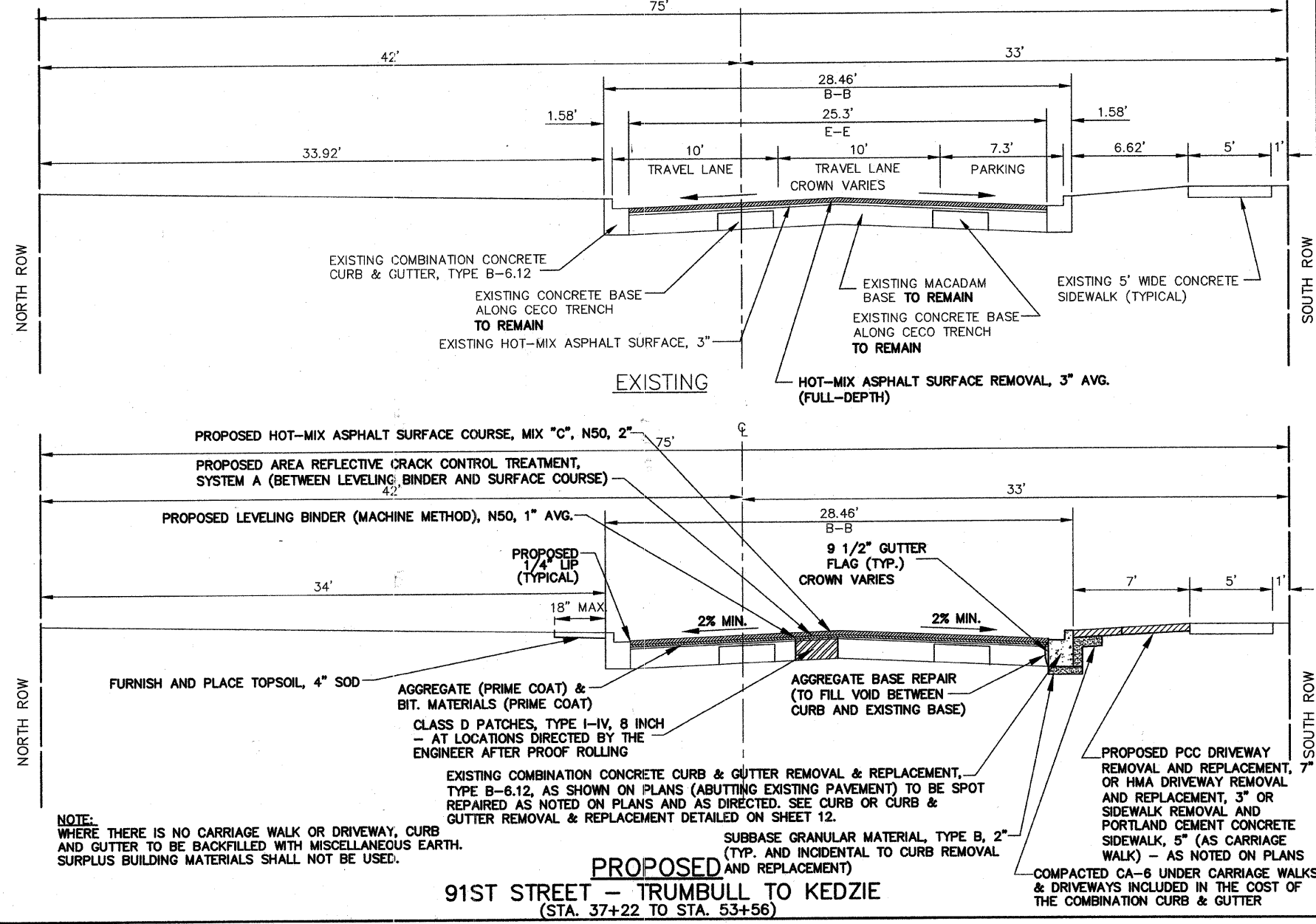
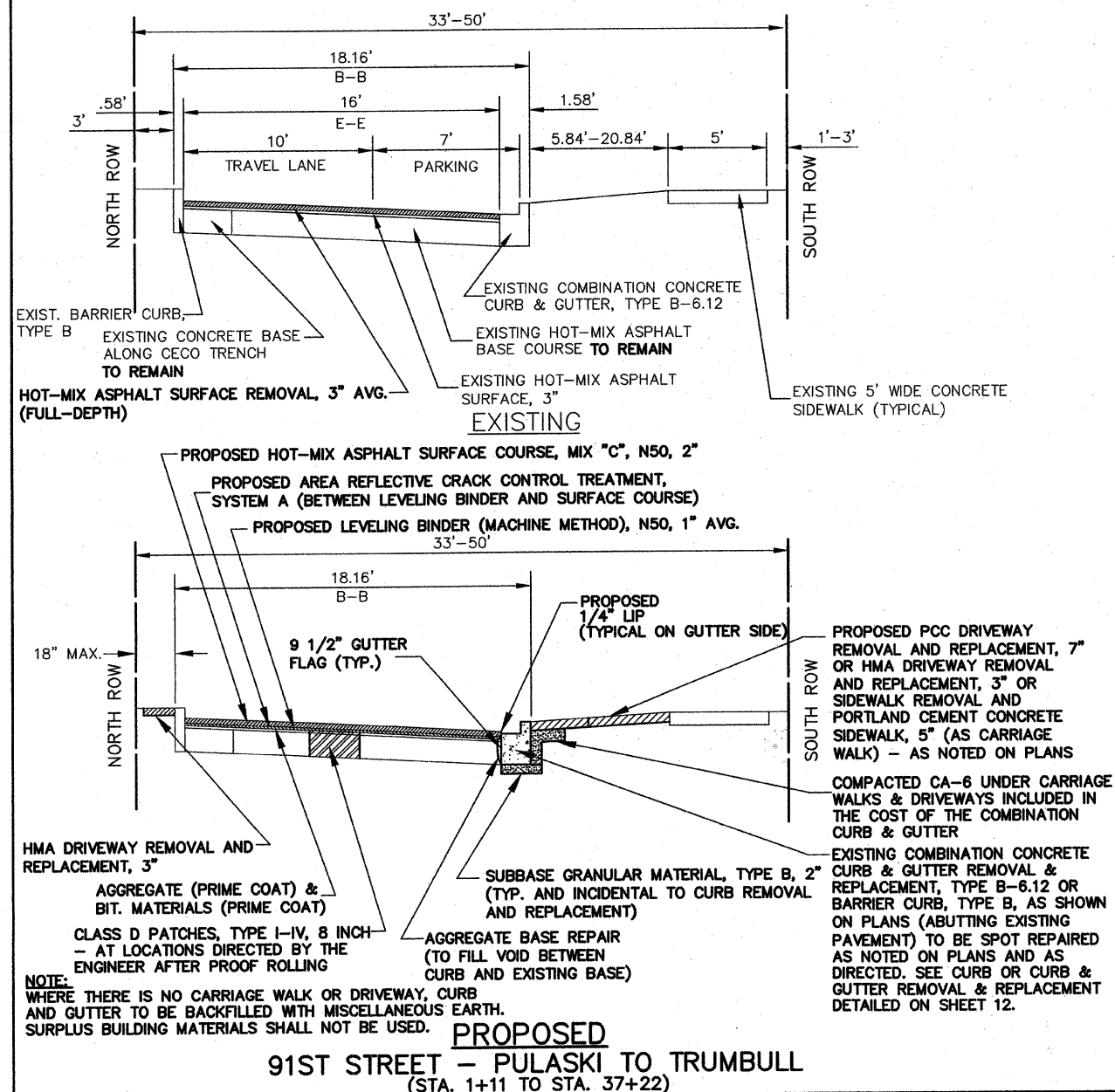
NOTE: CONTRACTOR SHALL MILL BEFORE PATCHING.

"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"

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.



TYPICAL CROSS SECTIONS

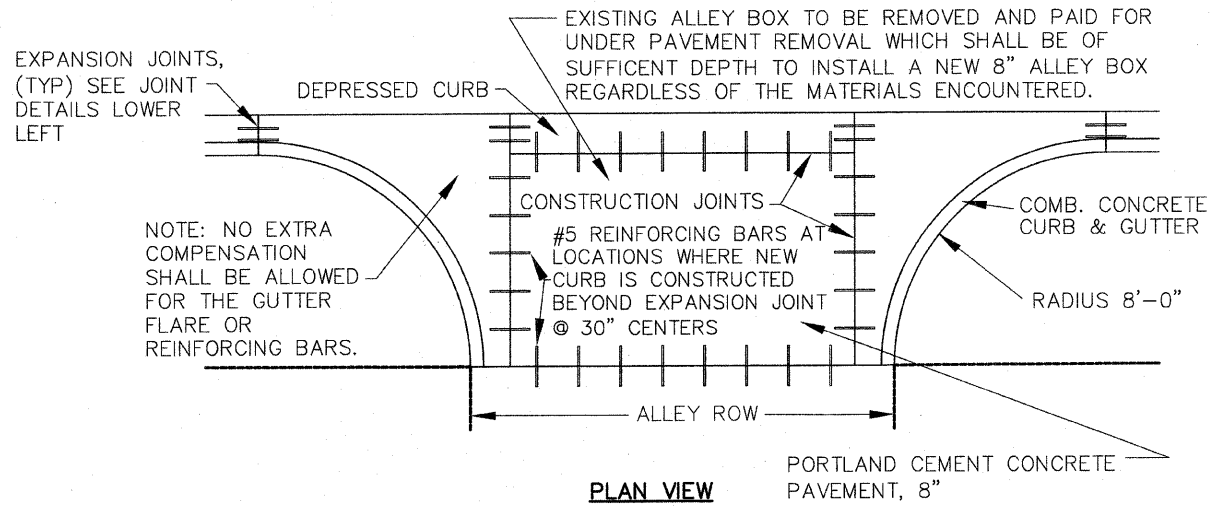
SCALE: 1"=4'

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

PROJECT NO. 08199	SCALE AS NOTED	SHEET 3
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 3776	08-00088-00-RS	COOK	14	4
F.H.W.A. REG.	ILLINOIS	PROJECT	M-9003(156)	

CONTRACT NO. 63318



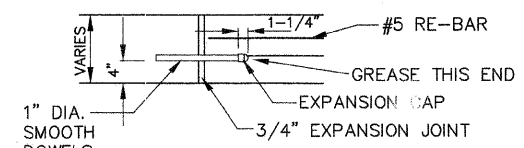
NOTE: NO EXTRA COMPENSATION SHALL BE ALLOWED FOR THE GUTTER FLARE OR REINFORCING BARS.

#5 REINFORCING BARS AT LOCATIONS WHERE NEW CURB IS CONSTRUCTED BEYOND EXPANSION JOINT @ 30" CENTERS

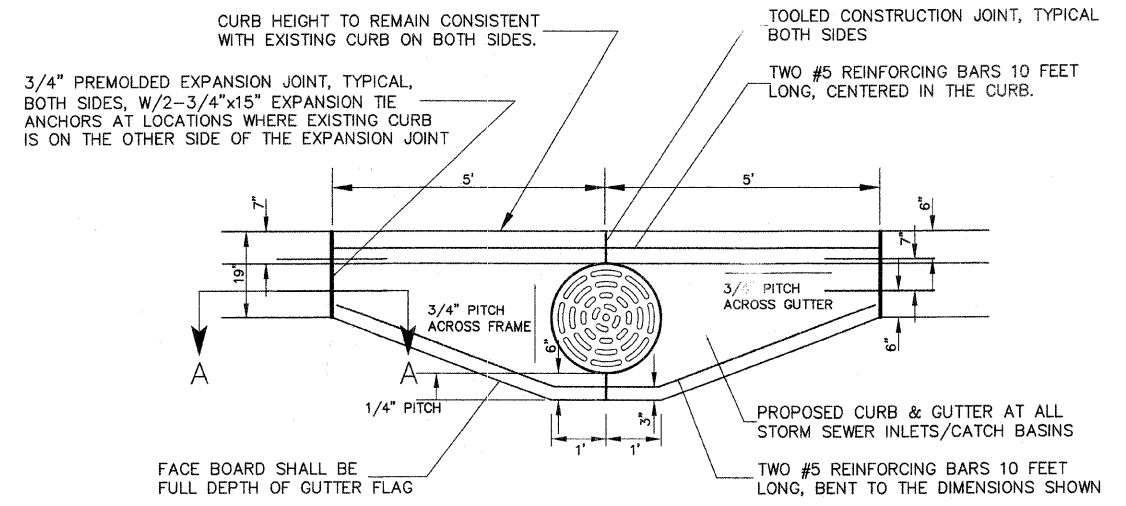
COMB. CONCRETE CURB & GUTTER
SUBBASE GRANULAR TYPE B, 2"

SECTIONAL VIEW

TYPICAL ALLEY RETURN DETAIL



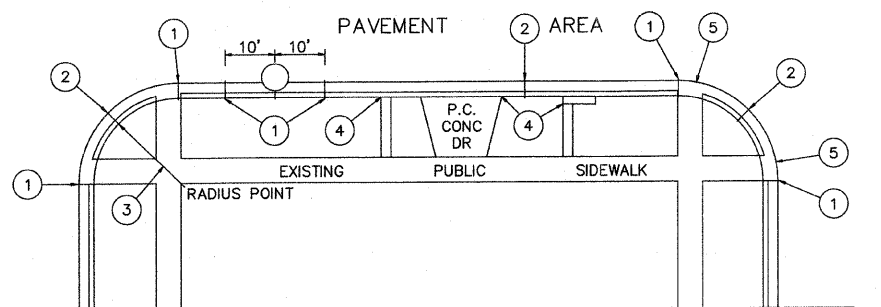
**SECTION A-A
SMOOTH DOWEL DETAIL
AT EXPANSION JOINT**



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.

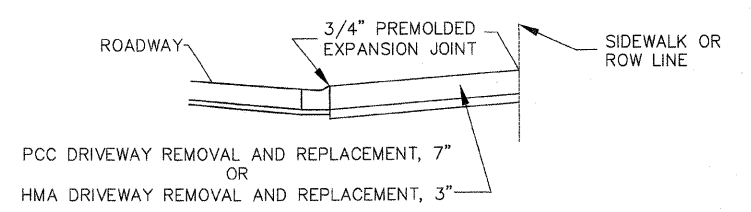
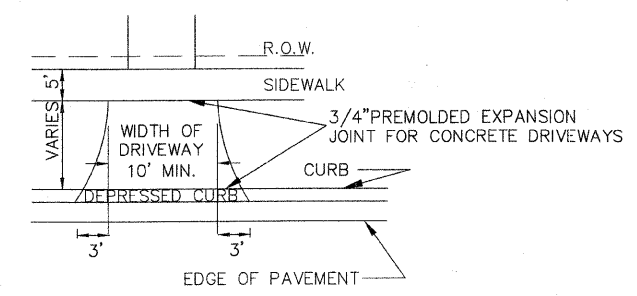
THIS GUTTER FLARE SHALL BE CONSTRUCTED AROUND CLOSED LID STRUCTURES THAT FALL IN THE CURB LINE. WHERE TWO STRUCTURES FALL IN THE CURB LINE, THE FLARE SHALL BE COMBINED.

**CURB & GUTTER DETAIL
AT DRAINAGE STRUCTURE**



1. 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.
2. CONTRACTION JOINTS AT TEN FOOT INTERVALS AND AT THE CENTER OF RETURNS.
3. ALL RADII SHALL BE 25 FEET TO THE BACK OF CURB UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. LONGITUDINAL EXPANSION JOINT CONSISTING OF 3/4" PREMOLDED JOINT FILLER.
5. 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

TYPICAL ALLEY RETURN, JOINT, AND DRIVEWAY DETAILS AND CURB & GUTTER DETAIL AT DRAINAGE STRUCTURE

PROJECT NO. 08199	SCALE NONE	SHEET 4 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 3776	08-00088-00-RS	COOK	14	5
F.H.W.A. REG.	ILLINOIS	PROJECT	M-9003(156)	

CONTRACT NO. 63318



LEGEND

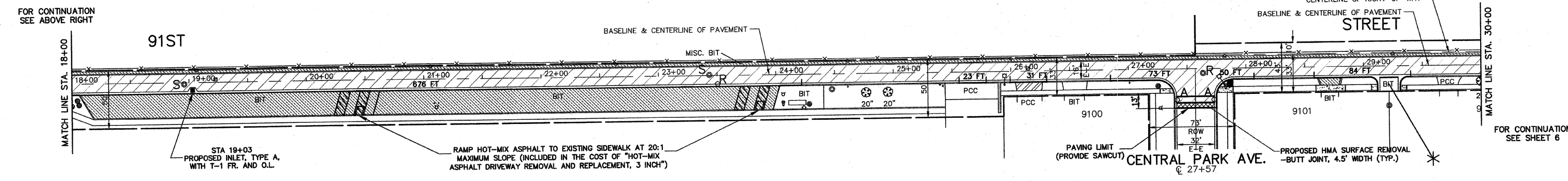
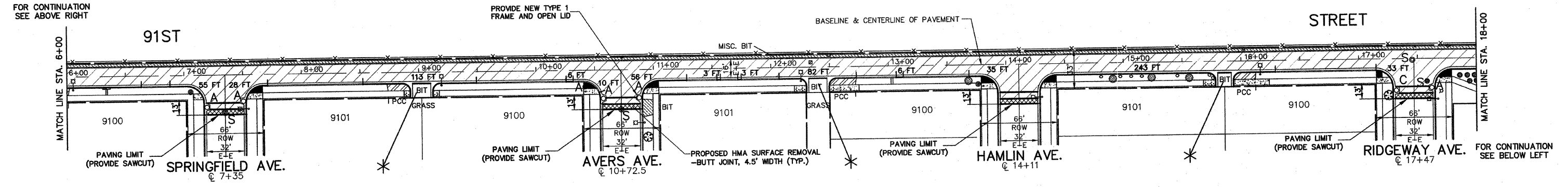
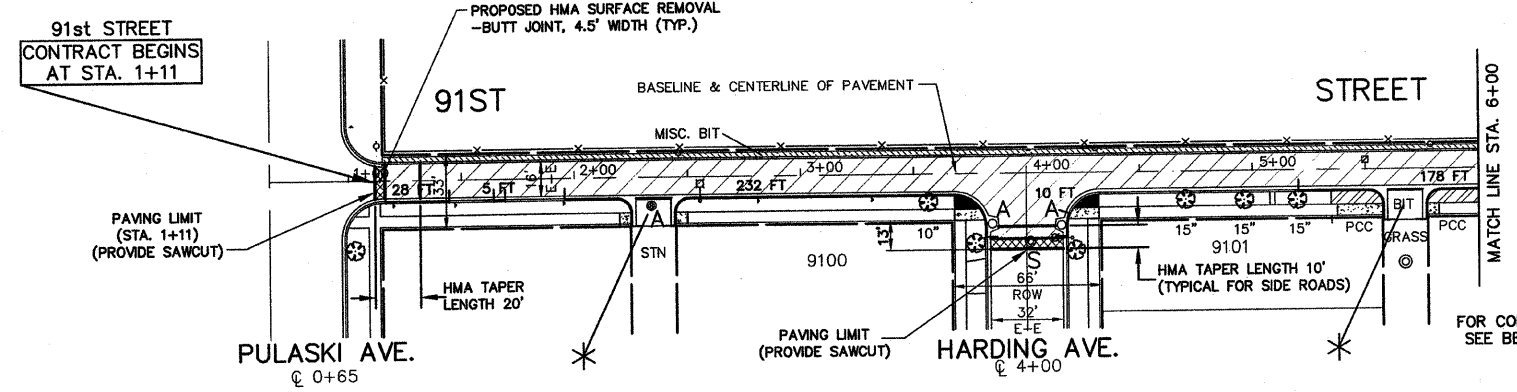
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, LEVELING BINDER (MACHINE METHOD), N50, 1" AVG. AREA RELECTIVE CRACK CONTROL TREATMENT, SYSTEM A AND HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 2"
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL--BUTT JOINT, (4.5' WIDTH)
- DENOTES PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT, 7"
- DENOTES HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, 3"
- DENOTES P.C. CONCRETE SIDEWALK, 5" REMOVAL & REPLACEMENT
- DENOTES P.C. CONCRETE SIDEWALK, REMOVAL AND TOPSOIL FURNISH AND PLACE, 4", AND SODDING
- "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:
 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:
 RED DETECTABLE WARNING TACTILE STRIP PER I.D.O.T. STANDARD 424001-05 FOR HANDICAP RAMPS SHALL BE PLACED AT ROADWAY CURB DEPRESSIONS ONLY.



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
 91ST STREET LAPP RESURFACING
 SECTION NO. 08-00088-00-RS

REVISIONS				
NO.	BY	DATE	DESCRIPTION	
2	THK	10/28/09	PER I.D.O.T. REVIEW	

PLAN:
 91ST STREET-
 PULASKI AVE. TO KEDZIE AVE.
 (RESURFACING)

PROJECT NO. 08199	SCALE 1"=40'	SHEET 5
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 3776	08-00088-00-RS	COOK	14	6
F.H.W.A. REG.	ILLINOIS PROJECT	M-9003(156)		

CONTRACT NO. 63318

- 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
 - DENOTES P.C. CONCRETE SIDEWALK, REMOVAL AND TOPSOIL FURNISH AND PLACE, 4", AND SODDING
 - "A" DENOTES EXISTING INLETS, CATCH BASINS, HANDHOLES, AND MANHOLES TO BE CLEANED, GROUTED, 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 GROUTED
 - "R" DENOTES EXISTING STRUCTURES TO BE RECONSTRUCTED
 - DENOTES COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT PROVIDE DETECTABLE WARNINGS AND RAMPS AT ALL SIDEWALK

NOTE:

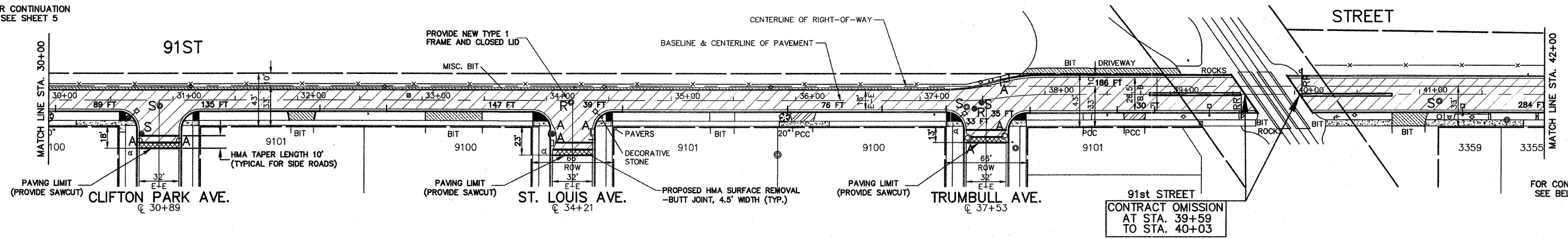
- ① ALL EXISTING FRAMES AND LIDS THAT ARE TO BE REPLACED (AS DIRECTED BY THE ENGINEER) SHALL BE SALVAGED TO THE CONTRACTOR.
- ② ALL SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT

FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

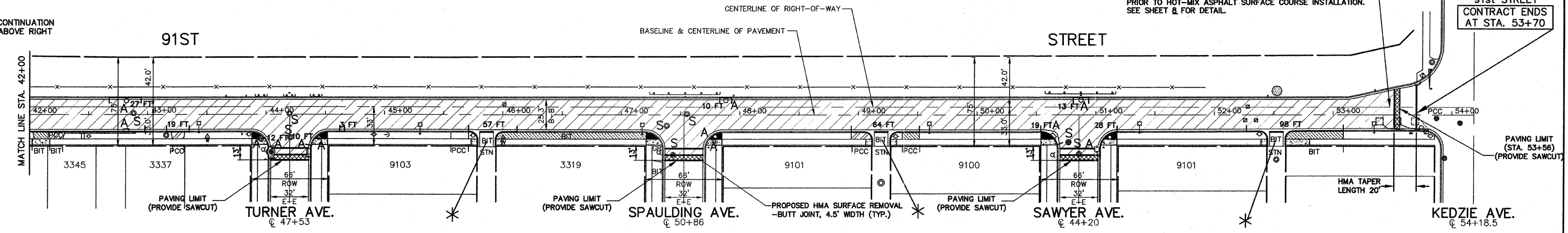
*ALLEY RETURN TO BE REMOVED WITH "PAVEMENT REMOVAL" AND REPLACED WITH "PORTLAND CEMENT CONCRETE PAVEMENT, 8 INCH".

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

FOR CONTINUATION SEE SHEET 5



FOR CONTINUATION SEE ABOVE RIGHT



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.
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Illinois Professional Design Firm No. 184-000928

PROJECT
VILLAGE OF EVERGREEN PARK
91ST STREET LAPP RESURFACING
SECTION NO. 08-00088-00-RS

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	10/19/09	PER I.D.O.T. REVIEW
2	THK	10/28/09	PER I.D.O.T. REVIEW

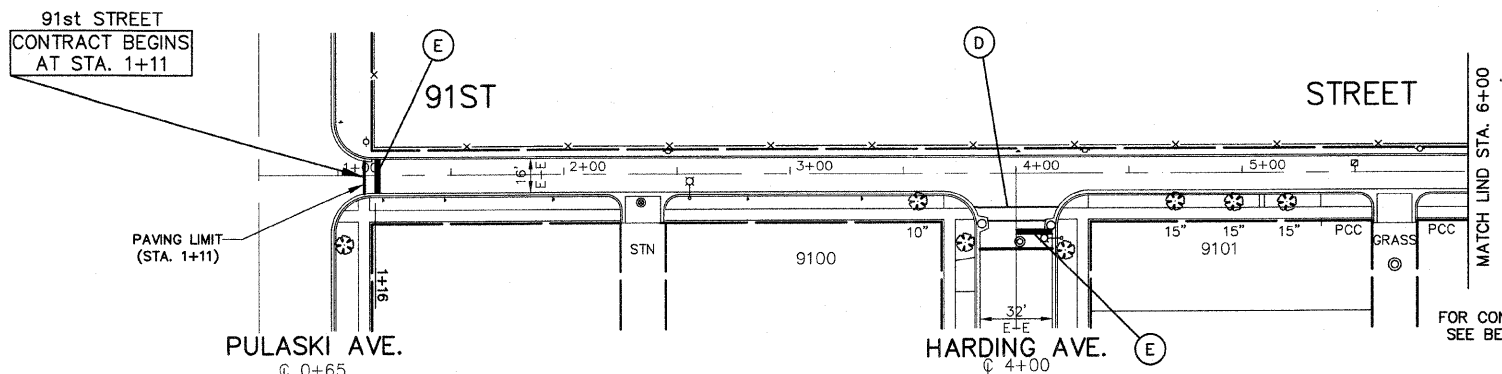
PLAN:
91ST STREET-
PULASKI AVE. TO KEDZIE AVE.
(RESURFACING)

PROJECT NO. 08199	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 3776	08-00088-00-RS	COOK	14	7
F.H.W.A. REG.	ILLINOIS	PROJECT	M-9003(156)	

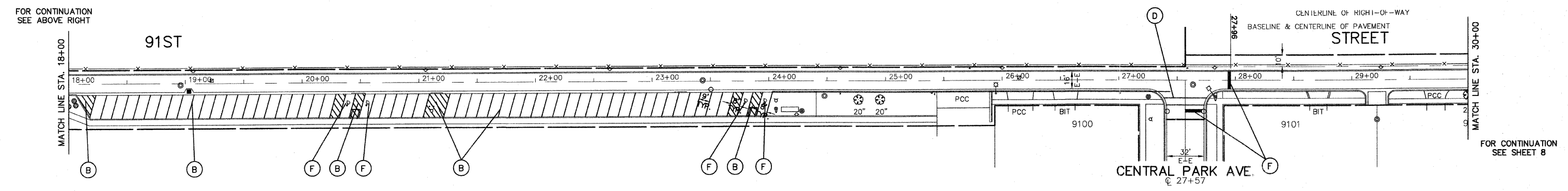
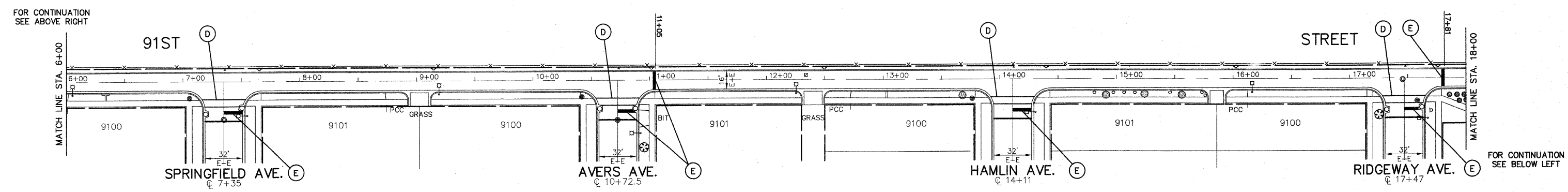
CONTRACT NO. 63318



- THERMOPLASTIC STRIPING CODE**
- (A) PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C
 - (B) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 4"
 - (C) PROPOSED SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 4" (EDGE LINE)
 - (D) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (CROSSWALK LINE)
 - (E) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP & RAILROAD BAR)
 - (F) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS

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

- PAINT STRIPING CODE**
- (G) PROPOSED DOUBLE SOLID YELLOW PAINT PAVEMENT MARKING - CENTER LINE 4", 11" O/C
 - (H) PROPOSED SOLID WHITE PAINT PAVEMENT MARKING - LINE 24" (STOP BAR)
 - (I) PROPOSED SOLID YELLOW PAINTED PAVEMENT MARKING - (CURB)



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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PROJECT
VILLAGE OF EVERGREEN PARK
 91ST STREET LAPP RESURFACING
 SECTION NO. 08-00088-00-RS

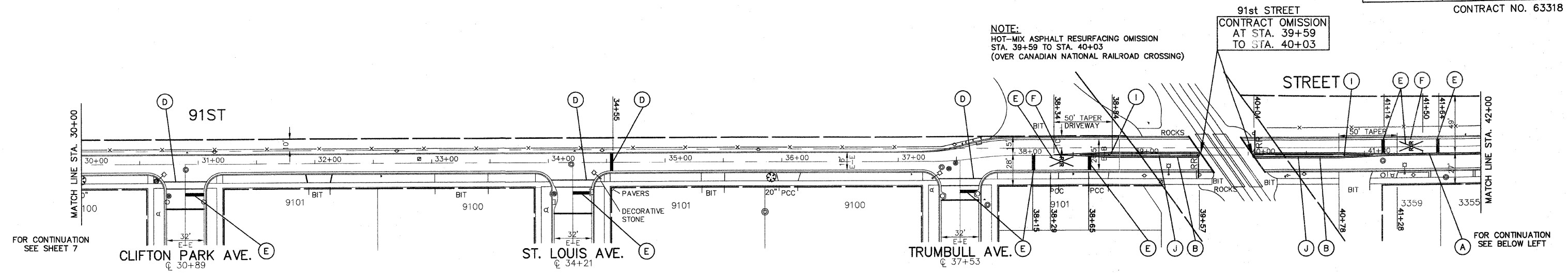
REVISIONS			
NO.	BY	DATE	DESCRIPTION

PLAN:
 91ST STREET-
 PULASKI AVE. TO KEDZIE AVE.
 (PAVEMENT MARKING)

PROJECT NO. 08199	SCALE 1"=40'	SHEET 7 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 3776	08-00088-00-RS	COOK	14	8
F.H.W.A. REG.	ILLINOIS	PROJECT	M-9003(156)	

CONTRACT NO. 63318



THERMOPLASTIC STRIPING CODE

- (A) PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C
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- (C) PROPOSED SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 4" (EDGE LINE)
- (D) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (CROSSWALK LINE)
- (E) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP & RAILROAD BAR)
- (F) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS

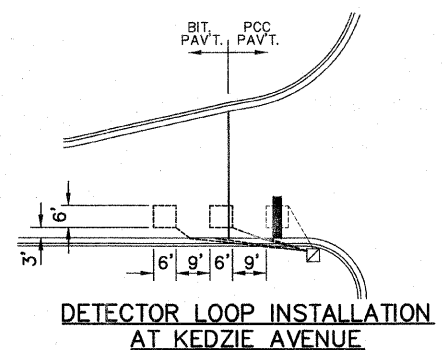
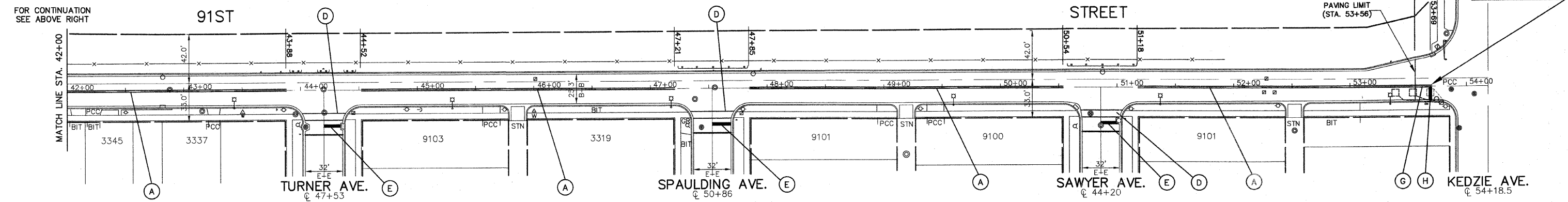
PAINT STRIPING CODE

- (G) PROPOSED DOUBLE SOLID YELLOW PAINT PAVEMENT MARKING - CENTER LINE 4", 11" O/C
- (H) PROPOSED SOLID WHITE PAINT PAVEMENT MARKING - LINE 24" (STOP BAR)
- (I) PROPOSED SOLID YELLOW PAINTED PAVEMENT MARKING - (CURB)

CURB PAINTING

- (J) PROPOSED SOLID YELLOW PAINTED CURB MARKING

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



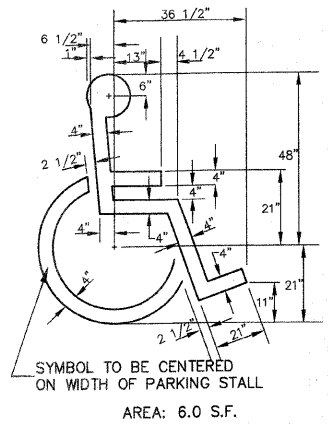
IMPORTANT!
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REVISIONS				
NO.	BY	DATE	DESCRIPTION	
1	THK	10/19/09	PER I.D.O.T. REVIEW	

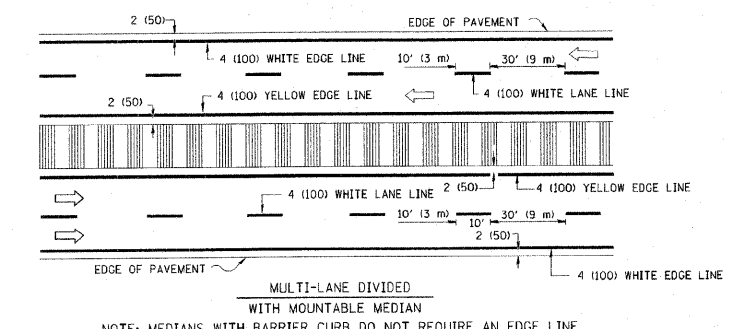
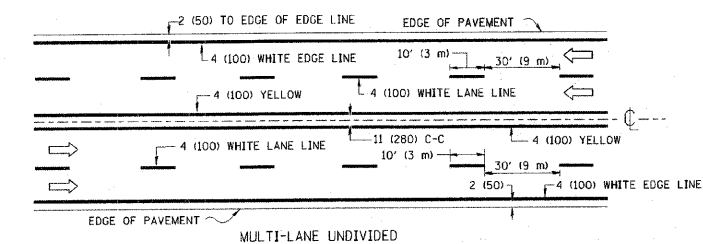
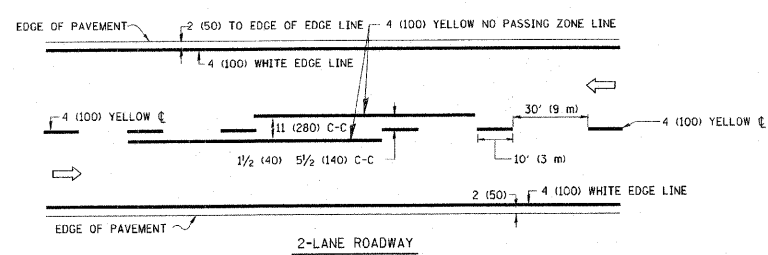
PLAN:
91ST STREET-
PULASKI AVE. TO KEDZIE AVE.
(PAVEMENT MARKING)

PROJECT NO. 08199	SCALE 1"=40'	SHEET 8 OF 14 SHEETS
DRAWN/DESIGNED JEP-JFP/THK	DATE AUG., 2009	
CHECKED/APPROVED THK/THK	FIELD BOOK NO. FILE	

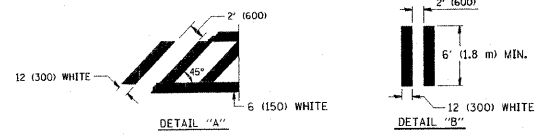
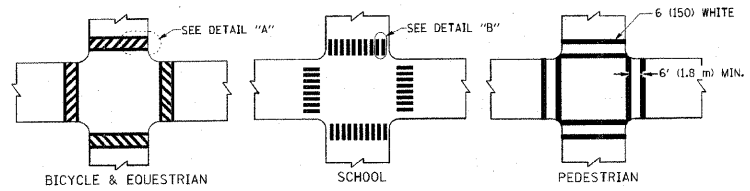
CONTRACT NO. 63318



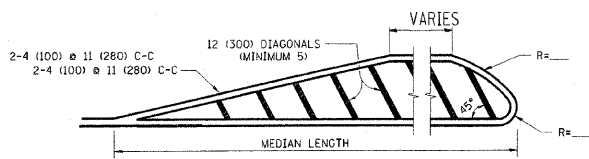
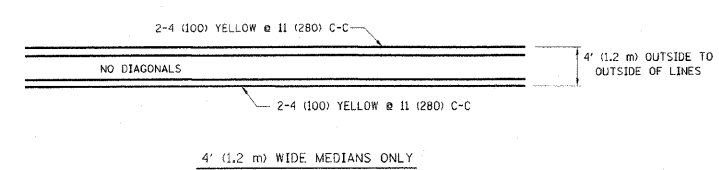
HANDICAP SYMBOL



TYPICAL LANE AND EDGE LINE MARKING

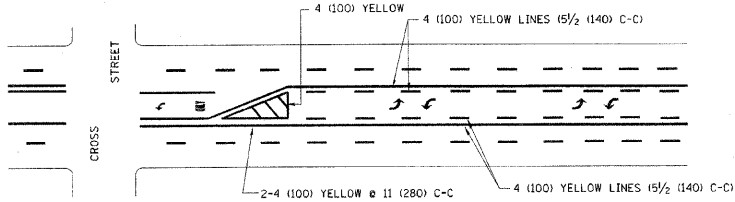


TYPICAL CROSSWALK MARKING



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 (MORE THAN 45MPH (70 km/h))

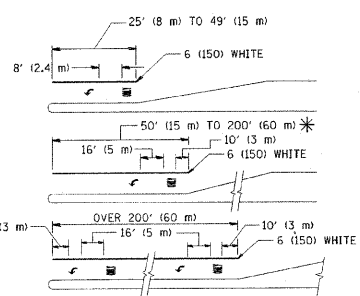
MEDIANS OVER 4' (1.2 m) WIDE



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.



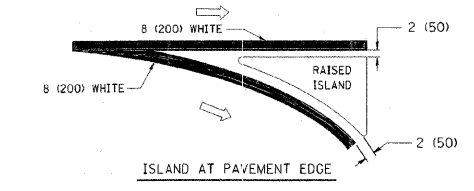
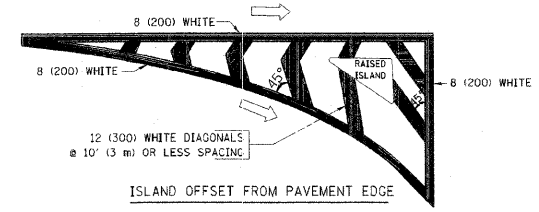
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* 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	5/2 (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	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	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 1' (300) 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 ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
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.

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

	THROUGH ARROW	LEFT OF RIGHT ARROW	COMBINATION LEFT (RIGHT) AND THROUGH ARROW	RAILROAD "R"	RAILROAD "X"	HANDICAPPED SYMBOL
LARGE SIZE	1.07 (11.5)	1.47 (15.6)	2.42 (26.0)	0.33 (3.6)	5.02(54.0)	0.43 (4.6)
SMALL SIZE	0.60 (6.5)	0.60 (6.5)	1.37 (14.7)	-	-	-

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE

TYPICAL PAVEMENT MARKINGS

SCALE: NONE

DRAWN BY CADD

CHECKED BY

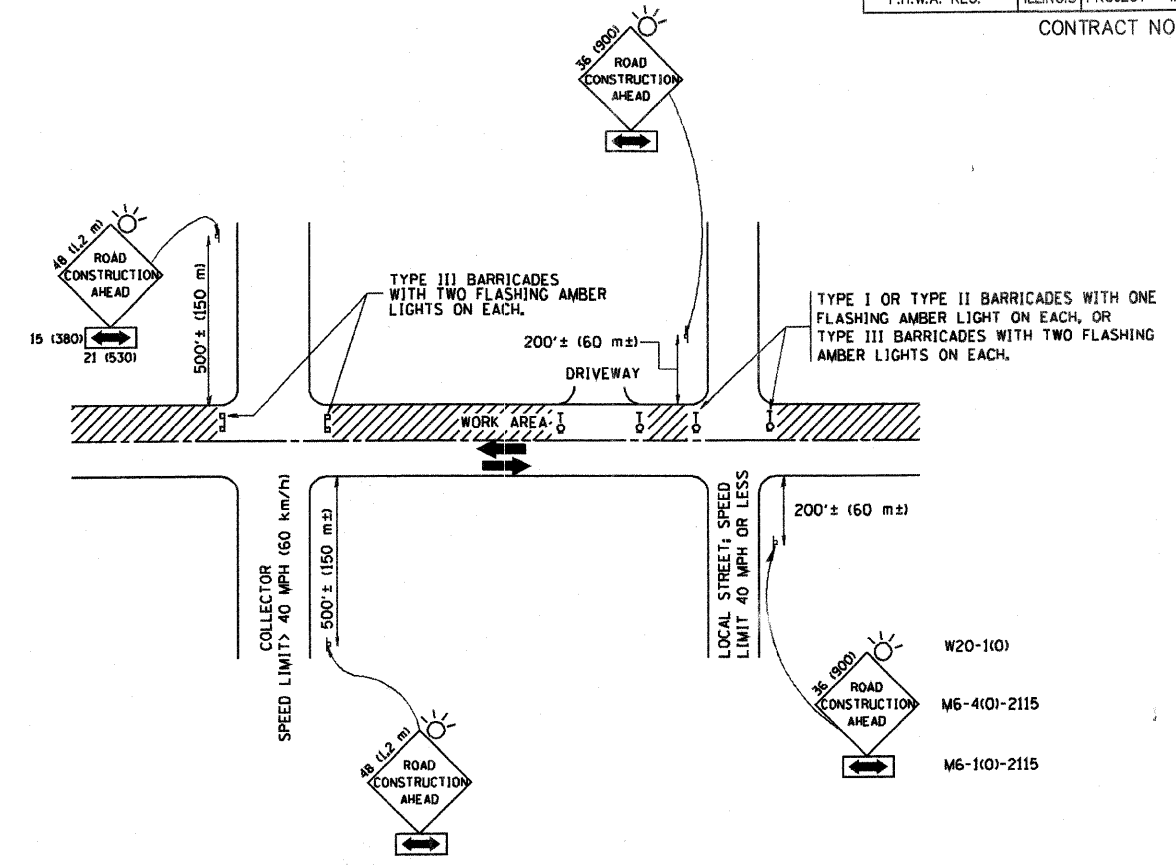
TC-13

DATE: 9/1/2009
DRAWN BY: JEP
CHECKED BY: JEP
USER NAME: jdrivak

REVISIONS			
NO.	BY	DATE	DESCRIPTION

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3776	08-00088-00-RS	COOK	14	10
F.H.W.A. REG.	ILLINOIS PROJECT	M-9003(156)		

CONTRACT NO. 63318



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 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:
 - 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.
 - 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.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
NAME	DATE	
LHA	6/789	SCALE: NONE DRAWN BY CHECKED BY TC-10
T. RAMMACHER	09/08/94	
J. OBERLE	10/18/95	
A. HOUSEH	03/06/96	
T. RAMMACHER	01/06/00	

PLOT DATE * 2/6/2007
 PLOT SCALE * 1/8" = 1'-0"
 USER NAME * bward

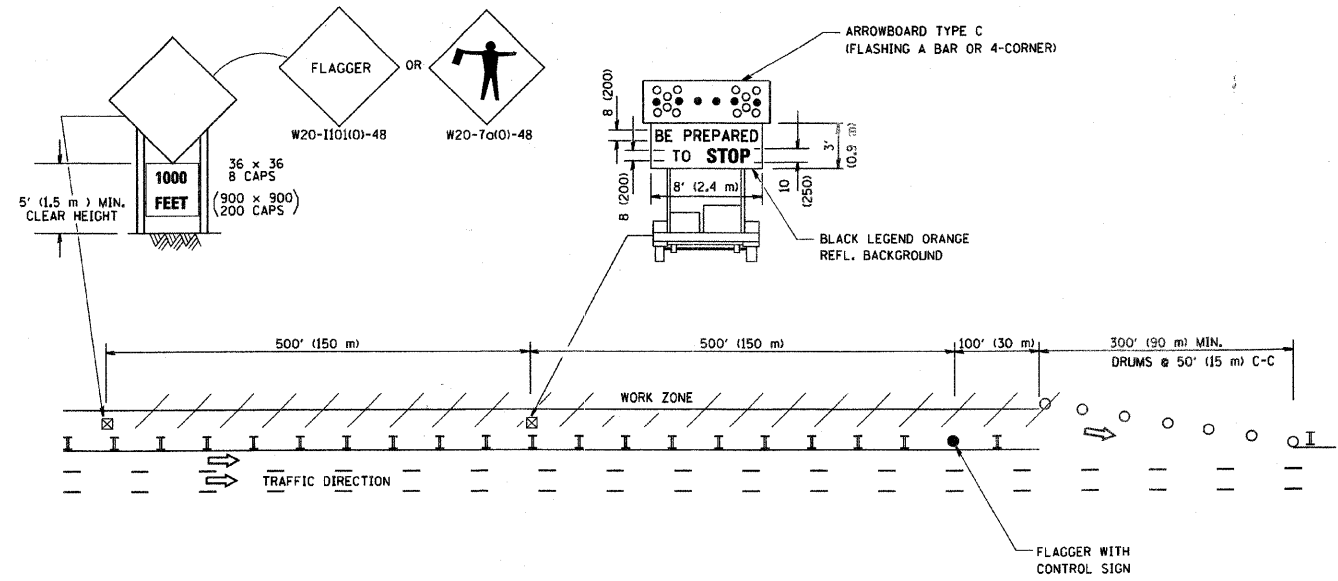
REVISIONS			
NO.	BY	DATE	DESCRIPTION

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3776	08-00088-00-RS	COOK	14	11
F.H.W.A. REG.	ILLINOIS PROJECT	M-9003(156)		

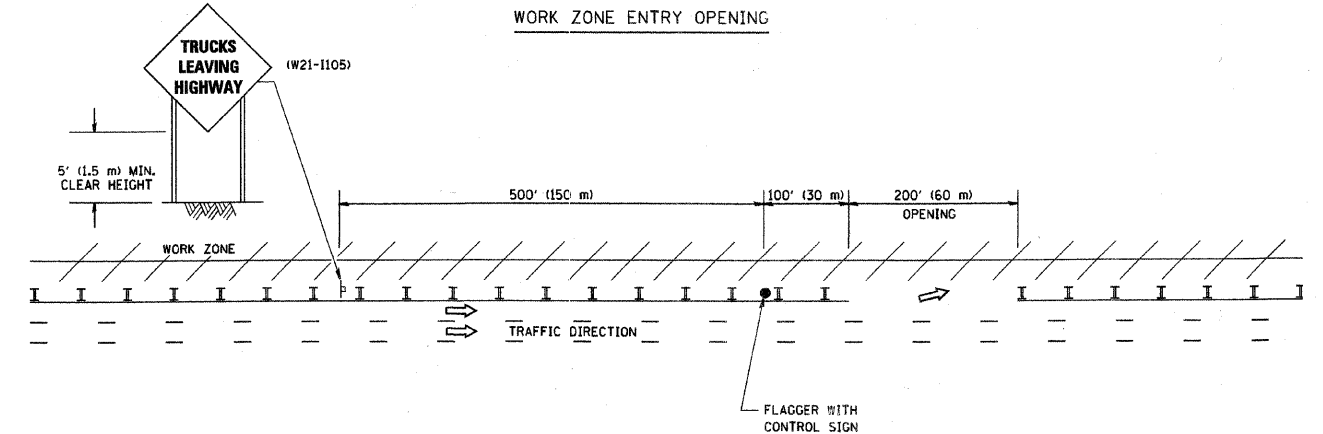
CONTRACT NO. 63318

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

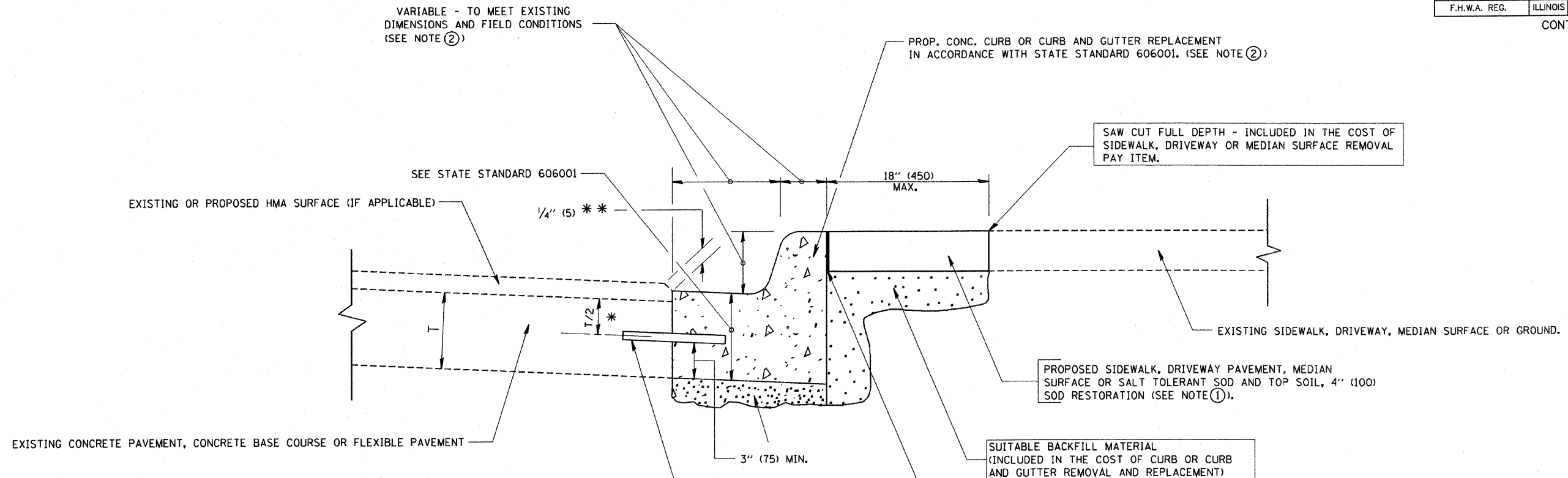
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CHECKED BY TC-18

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USER NAME = jboard1

REVISIONS			
NO.	BY	DATE	DESCRIPTION

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3776	08-00088-00-RS	COOK	14	12
F.H.W.A. REG.	ILLINOIS	PROJECT	M-9003(156)	

CONTRACT NO. 63318



- * 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.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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. COMEZ	01/22/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

SCALE: VERT. NONE
HORIZ. NONE

DRAWN BY
CHECKED BY
BD600-06 (BD-24)

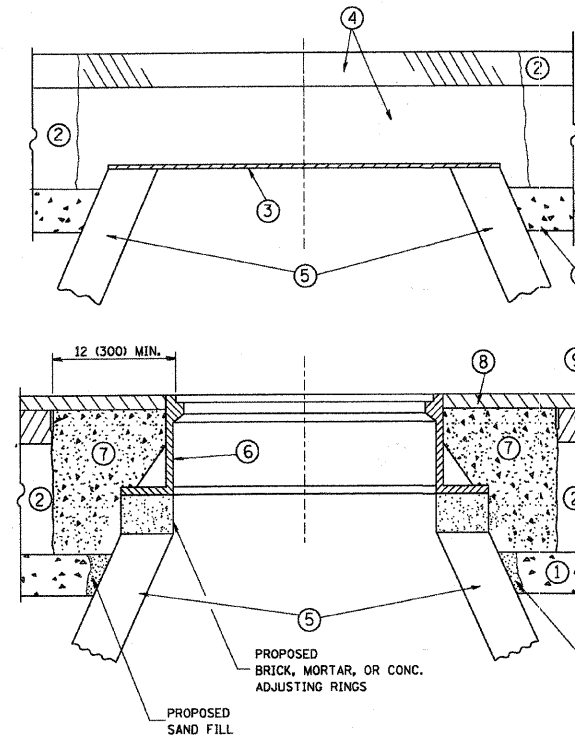
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REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	10/19/09	PER I.D.O.T. REVIEW

PROJECT NO. 08199	SCALE NONE
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 3776	08-00088-00-RS	COOK	14	13
F.H.W.A. REG.	ILLINOIS	PROJECT	M-9003(156)	

CONTRACT NO. 63318



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

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 "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL".
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

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/98
R. SHAH	03/10/98
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. NONE

DRAWN BY
CHECKED BY

BD600-03 (BD-8)

PLOT DATE = 8/12/07
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USER NAME = bborro

PROJECT

VILLAGE OF EVERGREEN PARK
91ST STREET LAPP RESURFACING
SECTION NO. 08-00088-00-RS

REVISIONS

NO.	BY	DATE	DESCRIPTION

DETAILS FOR FRAMES AND LIDS ADJUSTMENTS WITH MILLING

PROJECT NO.
08199

SCALE
NONE

DRAWN/DESIGNED
JEP-JFP/THK

CHECKED/APPROVED
THK/THK

DATE
AUG., 2009

FIELD BOOK NO.
FILE

SHEET
13
OF
14
SHEETS



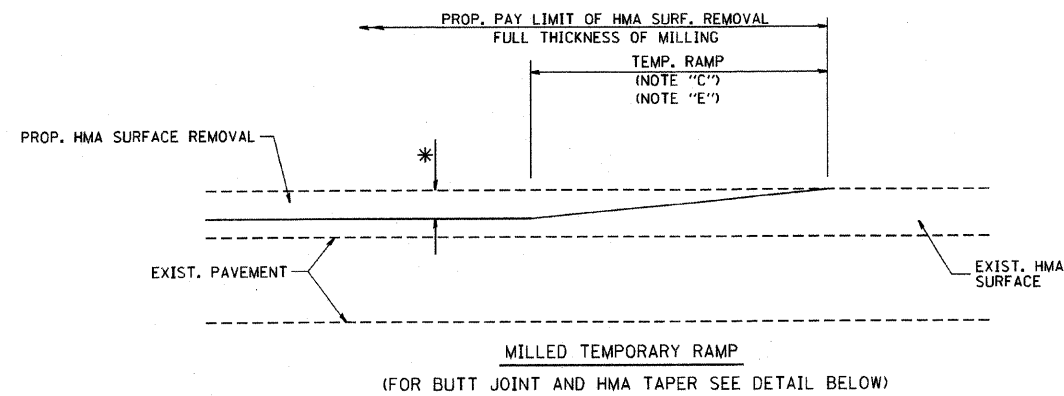
Frank Novotny & Associates, Inc.

825 Midway Drive ♦ Willowbrook, IL ♦ 60527 ♦ Telephone: (630) 887-8640 ♦ Fax: (630) 887-0132
Illinois Professional Design Firm No. 184-000928

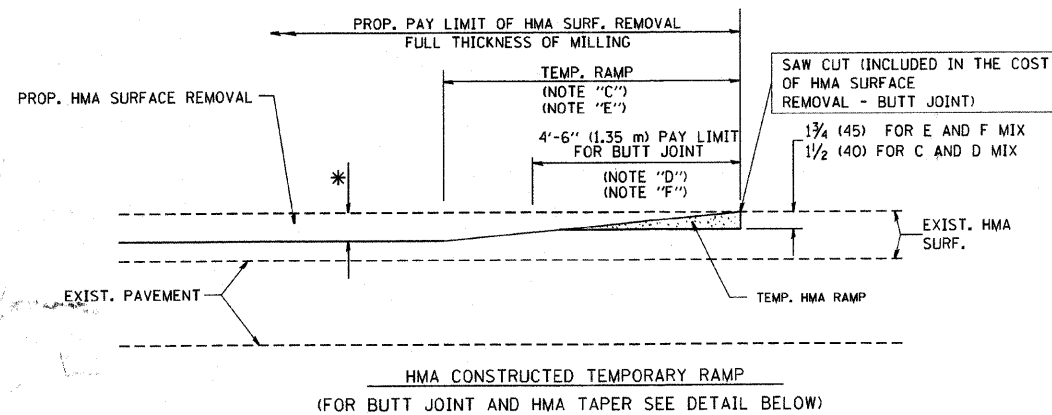
Civil Engineers/
Municipal Consultants

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3776	08-00088-00-RS	COOK	14	14
F.H.W.A. REG.	ILLINOIS	PROJECT	M-9003(156)	

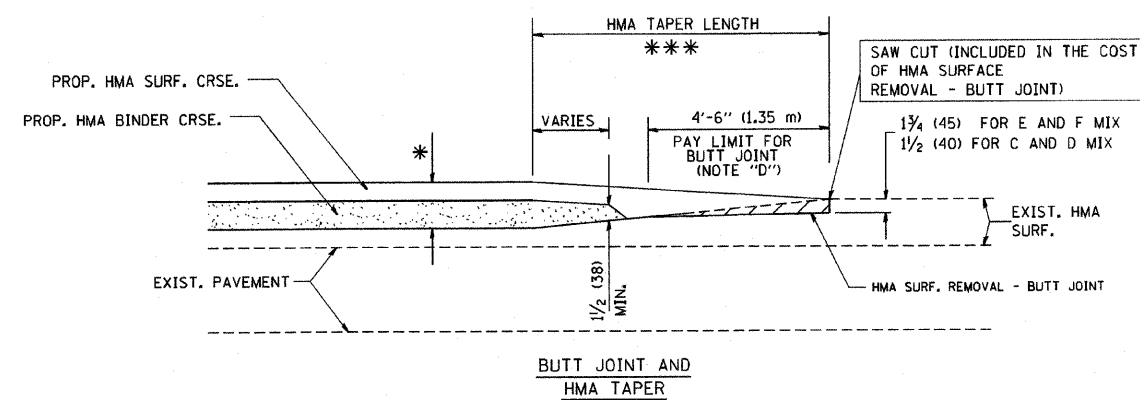
CONTRACT NO. 63318



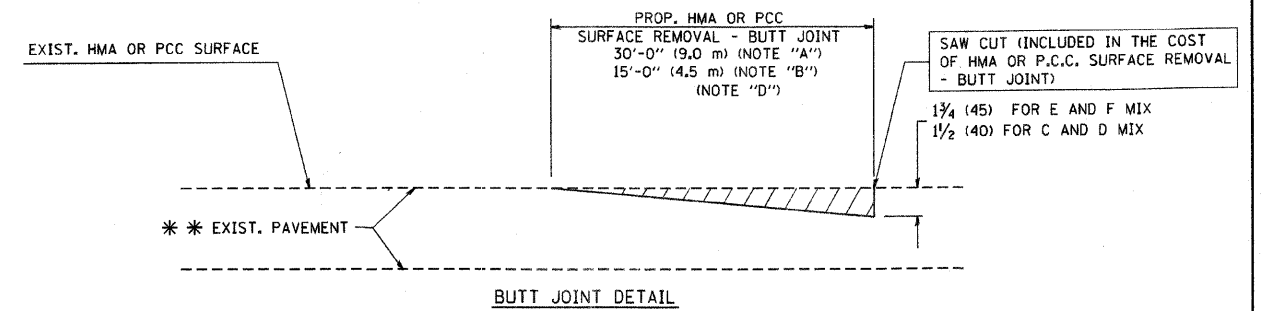
OPTION 1



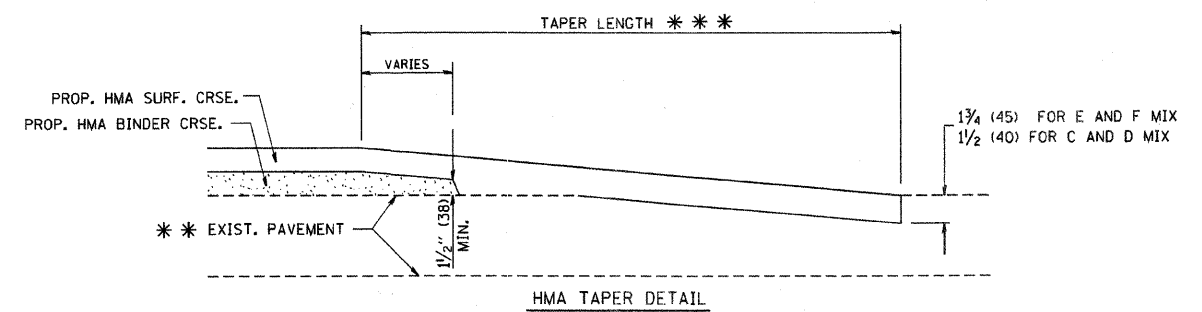
**OPTION 2
TYPICAL TEMPORARY RAMP**



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



BUTT JOINT 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	
NAME	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.

DRAWN BY
CHECKED BY
BD400-05 (VI=BD32)

PLOT DATE = 2/15/08
 FILE NAME = K:\projects\08032.dwg
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = board1



Frank Novotny & Associates, Inc.

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
91ST STREET LAPP RESURFACING
SECTION NO. 08-00088-00-RS

REVISIONS

NO.	BY	DATE	DESCRIPTION

BUTT JOINT AND HMA TAPER DETAILS

PROJECT NO. 08199	SCALE NONE	SHEET 14 OF 14 SHEETS
DRAWN/DESIGNED JEP-JFP/THK	DATE AUG., 2009	
CHECKED/APPROVED THK/THK	FIELD BOOK NO. FILE	