

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1329	13-00294-00-BT	COOK	18	1
FEDERAL ROAD DISTRICT NO. 1 ILLINOIS		FEDERAL AID PROJECT		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PLAN FOR PROPOSED FEDERAL AID HIGHWAY

**FAU 1329 - MAIN STREET
LINCOLN AVE TO McCORMICK BLVD
PAVEMENT MARKING INSTALLATION**

**SECTION 13-00294-00-BT
PROJECT NO. CMM-4003(451)
VILLAGE OF SKOKIE
COOK COUNTY
JOB NO. C-91-178-15**



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED December 18 2014
[Signature]
VILLAGE OF SKOKIE MAYOR

PASSED December 22 2014
[Signature]
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW December 22 2014
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500
PROFESSIONAL DESIGN FIRM NO. 184-001175
EXPIRATION DATE: 04/30/15

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INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES AND SCHEDULES
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5-13 PAVEMENT MARKING AND SIGNING PLANS
- 14 CONSTRUCTION DETAILS
- 15 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (DISTRICT 1 DETAIL TC-10)
- 16 DISTRICT ONE TYPICAL PAVEMENT MARKINGS (DISTRICT 1 DETAIL TC-13)
- 17 ARTERIAL ROAD INFORMATION SIGN (DISTRICT 1 DETAIL TC-22)
- 18 DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (DISTRICT 1 DETAIL TS-07)

IDOT HIGHWAY STANDARDS

- 442201-03 CLASS C AND D PATCHES
- 701011-04 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701427-03 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
- 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701701-09 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-05 LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-04 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 729001-01 APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
- 731001-01 BASE FOR TELESCOPING STEEL SIGN SUPPORT
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 886001-01 DETECTOR LOOP INSTALLATIONS

DESIGN DESIGNATION

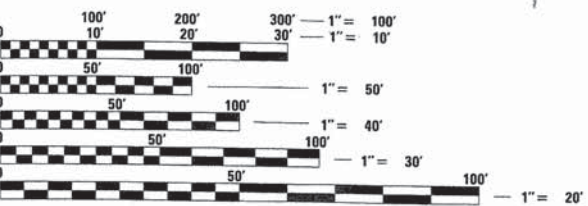
F.A.U. ROUTE 1329 (MAIN STREET)
MAJOR COLLECTOR
ADT = 18,800
POSTED/DESIGN SPEED = 30 MPH

PROJECT LOCATED IN THE
VILLAGE OF SKOKIE

CALL JULIE 811

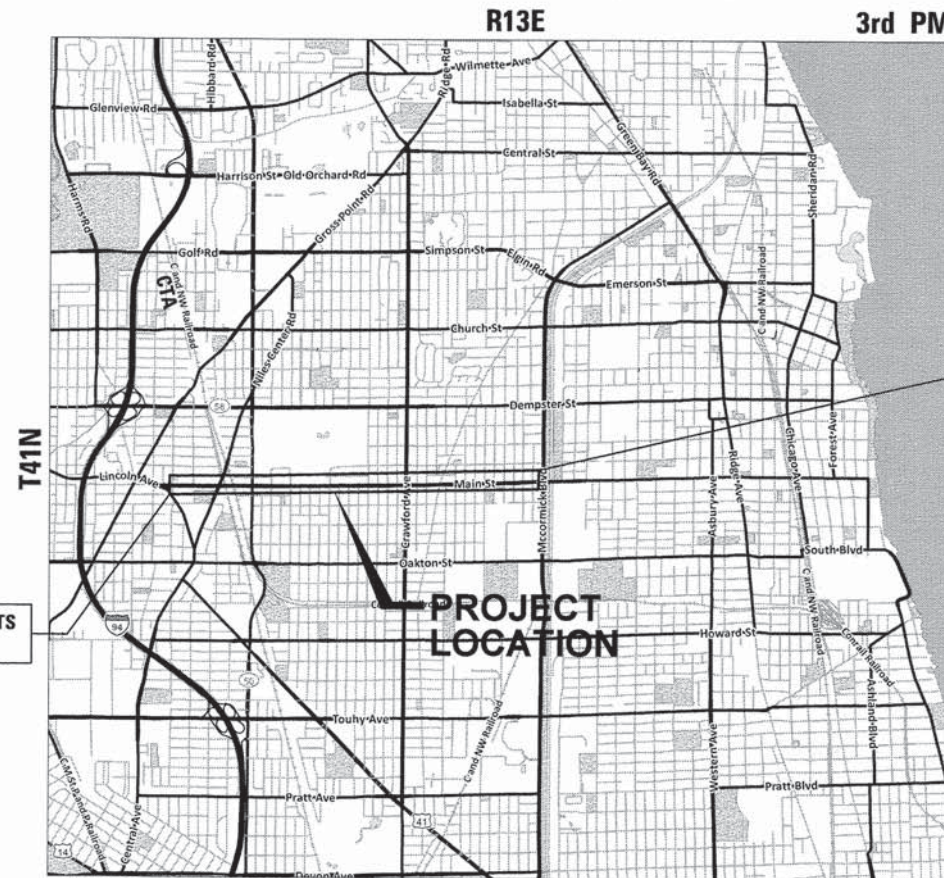
WITH THE FOLLOWING:

COUNTY COOK
CITY-TOWNSHIP NILES
SECTION & RANGE T41N, R13E, 3RD PM
48 HOURS BEFORE YOU DIG.
EXCLUDING SAT., SUN., & HOLIDAYS



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.

CONTRACT NO. 61A98



NILES TOWNSHIP

LOCATION MAP

GROSSNET LENGTH = 12,950 FT. = 2.45 MILES



END IMPROVEMENTS
STA. 149+00.00

BEGIN IMPROVEMENTS
STA. 19+50.00



[Signature]
BRYAN L. LUKE
ILLINOIS REGISTRATION No. 062-054957
EXPIRATION DATE: 11/30/15

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, P.E. 847-705-4021 SCHAMBURG, IL

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2012; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2015; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS, AND IDOT STANDARD DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS, THE AMERICANS WITH DISABILITIES ACT OF 1990 ACCESSIBILITY GUIDELINES, THE "DRAFT" REHABILITATION ACT OF 1973 (SECTION 504), AND THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.
 - MATERIALS AND EQUIPMENT SHALL NOT BE STORED WITHIN THE PROJECT LIMITS.
- COORDINATION**
- THE ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER AT (773) 685-8386 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
 - THE CONTRACTOR SHALL NOTIFY THE VILLAGE AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. SPECIAL ATTENTION IS CALLED TO ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS AND TO THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION. THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE PARKWAYS SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF SKOKIE 72 HOURS PRIOR TO ANY WORK IN ORDER TO OBTAIN MUNICIPAL UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO CONTACT THE VILLAGE PUBLIC WORKS DEPARTMENT UTILITY DIVISION FOR ALL WATER MAIN SHUTOFFS. UNDER NO CONDITION SHALL THE CONTRACTOR OPERATE ANY VALVES OR HYDRANTS WITHIN THE PROJECT AREA.
 - THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
 - IF THE CONTRACTOR CHOOSES TO USE VILLAGE WATER, HE SHALL SECURE A PERMIT FOR USAGE FROM THE SKOKIE PUBLIC WORKS DEPARTMENT, DIVISION OF WATER AND SEWER. THERE IS NO CHARGE FOR THE WATER USED; HOWEVER, THE AMOUNT MUST BE METERED AND RECORDED BY THE CONTRACTOR. THE CONTRACTOR SHALL USE THE HYDRANT(S) SPECIFIED BY THE WATER AND SEWER DIVISION. ONLY HYDRANT WRENCHES SHALL BE USED ON HYDRANTS.
 - ALL HOT-MIX ASPHALT AND P.C. CONCRETE MATERIALS USED ON THIS PROJECT SHALL BE TESTED AND INSPECTED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S QC/QA REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE A REQUEST FOR MATERIAL TESTING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF MATERIALS ORDER BOARD (PHONE (847) 705-4529) BY 4 PM, 24-HOURS IN ADVANCE OF CONSTRUCTION FOR INSPECTION OF ALL HOT-MIX ASPHALT AND CONCRETE MATERIALS USED ON THIS PROJECT. THE CONTRACTOR SHALL SUBMIT A QC PLAN FOR HMA AND CONCRETE MATERIALS TO THE QA MANAGER FOR APPROVAL PRIOR TO CONSTRUCTION OPERATIONS COMMENCING. THE QA MANAGER WILL APPROVE THIS PLAN AND COPY THE DISTRICT LOCAL ROADS OFFICE ON THE APPROVAL LETTER. QC AND QA REPORTS FOR CONCRETE WILL BE SENT TO THE DISTRICT LOCAL ROADS OFFICE AFTER REVIEW AND APPROVAL BY THE QA MANAGER. QC REPORTS FOR BITUMINOUS MIXTURES WILL BE TRANSMITTED DIRECTLY BY THE CONTRACTOR DAILY DURING PRODUCTION. THE DISTRICT WILL PREPARE AND RETAIN THE QA PLANT REPORTS. THE QA FIELD REPORTS WILL BE SUBMITTED BY THE QA MANAGER TO THE DISTRICT VIA THE DISTRICT LOCAL ROADS OFFICE.
 - IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE CHICAGO TRANSIT AUTHORITY (XCTA) RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE XCTA RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05. ANY WORK TAKING PLACE UPON THE RAILROAD RIGHT-OF-WAY OR STRUCTURE MUST FIRST BE COORDINATED WITH CTA PERSONNEL. CTA UTILIZES CONTINUOUS 600 VOLT DC IN ELECTRIFIED THIRD RAILS AT TRACK LEVEL, PRESENTING POTENTIALLY HAZARDOUS AND FATAL ARCING PROBLEMS. CONTACT MR. JIM HARPER, CHIEF ENGINEER OF CTA AT TELEPHONE 312-681-3960, OR MR. DAN SCHIFFER, MANAGER STRUCTURE MAINTENANCE AT TELEPHONE 773-772-4138. PLANS SHOW NO WORK WITHIN 25' OF THE TRACKS OR WITHIN THE RAILROAD ROW.
- UTILITY COORDINATION**
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
 - THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL THEIR FACILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTH OF EXISTING UTILITIES IF NECESSARY. THE CONTRACTOR SHALL ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND EXERCISE CARE DURING HIS CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM, IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.31 OF THE "STANDARD SPECIFICATIONS." THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND RESTORE ANY UNDERGROUND CABLE, PIPES, MAINS, SPRINKLER SYSTEMS AND SIMILAR PUBLIC AND PRIVATE UNDERGROUND FACILITIES DISRUPTED OR DAMAGED BY THE CONTRACTOR. THIS WORK, AS REQUIRED, SHALL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER AND THE COST THEREOF SHALL BE BORNE BY THE CONTRACTOR.

EROSION AND SEDIMENT CONTROL

- PRIOR TO BEGINNING ANY REMOVAL ITEMS, CONTRACTOR SHALL INSTALL INLET PROTECTION IN ALL EXISTING OPEN LODGED DRAINAGE STRUCTURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL NOT DISTURB LANDSCAPED AREAS OUTSIDE OF THE IMPROVEMENT LIMITS.
- UPON COMPLETION OF PROJECT, AT DIRECTION OF ENGINEER, CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS.

TRAFFIC CONTROL AND PROTECTION

- DURING EACH DAY OF PAVEMENT MARKING, THE CONTRACTOR SHALL CONSTRUCT THE PROJECT IN THE DIRECTION OF TRAVEL AND END AT A SIDE-STREET. CONTRACTOR SHALL INSTALL PAVEMENT MARKINGS IN THE EASTBOUND LANES STARTING AT McCORMICK BLVD. CONTRACTOR SHALL INSTALL PAVEMENT MARKINGS IN THE WESTBOUND LANES STARTING AT LINCOLN AVE. CONTRACTOR SHALL MAINTAIN, AT ALL TIMES, AT LEAST ONE LANE IN EACH DIRECTION OF PERMITTED TRAVEL AND ALL TURN LANES. PAVEMENT MARKINGS SHALL BE INSTALLED AHEAD OF ALL SIGNAGE.
- EASTBOUND AND WESTBOUND WORK REQUIRING RAILROAD COORDINATION SHALL BE DONE CONCURRENTLY.
- ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. IN ADDITION, ANY SIGNS WHICH ARE DAMAGED DURING CONSTRUCTION BEYOND REPAIR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AND TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.
- ALL CONSTRUCTION PERSONNEL SHALL WEAR A FLUORESCENT LIME GREEN VEST AND ANY STATE REQUIRED SAFETY GEAR AT ALL TIMES WHILE ON THE CONSTRUCTION SITE. COMPLIANCE WITH THIS REQUIREMENT SHALL BE INCLUDED IN THE CONTRACT.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJUTING PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT EXCEPT FOR PERIODS OF SHORT DURATION, AS APPROVED BY THE ENGINEER.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO POST "NO PARKING" SIGNS TWENTY-FOUR (24) HOURS IN ADVANCE OF CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCLUDED WITH THE CONTRACT. SIGNS WILL BE SUPPLIED BY THE SKOKIE PUBLIC WORKS DEPARTMENT, TRAFFIC ENGINEERING DIVISION UPON REQUEST. THE SIGNS ARE SPECIALLY MADE FOR THE VILLAGE. THE CONTRACTOR SHALL RETURN ALL SIGNS AT THE COMPLETION OF THE WORK. THE CONTRACTOR MAY BE LIABLE FOR THE COST OF ANY SIGNS NOT RETURNED.
- LOCAL TRAFFIC SHALL BE MAINTAINED DURING CONSTRUCTION OPERATIONS IN ACCORDANCE WITH THE PLANS, ARTICLE 107.14 AND SECTION 701 OF THE STANDARD SPECIFICATIONS. THE FURNISHING, INSTALLATION, MAINTENANCE, SURVEILLANCE, RELOCATION, AND SUBSEQUENT REMOVAL OF ALL SIGNS, TRAFFIC CONES, BARRICADES, WARNING LIGHTS, FLAGMEN, AND OTHER DEVICES WHICH ARE TO BE USED FOR THE PURPOSE OF REGULATING, WARNING, OR GUIDING TRAFFIC DURING THE CONSTRUCTION OF THIS IMPROVEMENT SHALL BE CONSIDERED INCLUDED WITH THE TRAFFIC CONTROL PAY ITEMS.
- 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE POST MOUNTED AND AT LOCATIONS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ARTICLE 701.14.
- THE CONTRACTOR SHALL NOT WORK ON SATURDAYS, SUNDAYS, AND HOLIDAYS OBSERVED BY THE VILLAGE, IN ADDITION TO AND IN ACCORDANCE WITH ARTICLE 107.09. THE CONTRACTOR SHALL NOT BEGIN WORK OR START UP ANY EQUIPMENT PRIOR TO HOURS PERMITTED BY LOCAL ORDINANCE. ALL WORK SHALL BE COMPLETED WITHIN THE HOURS PERMITTED BY LOCAL ORDINANCE.
- WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORK DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF INLET FILTERS.

MISCELLANEOUS

- DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, THE WORK IS NOT REQUIRED, THE ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL EXISTING SIGNAGE AND ASSEMBLIES WHICH CONFLICT WITH THE PROPOSED SIGNAGE SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "REMOVE SIGN PANEL ASSEMBLY - TYPE A."
- THE CONTRACTOR SHALL DISPOSE OF ALL MATERIAL EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS AT HIS EXPENSE. ALL EXCESS MATERIAL SHALL BE REMOVED FROM THE SITE ON THE DAY IT IS GENERATED. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING THE MATERIALS TO LOCATIONS PROVIDED BY THE CONTRACTOR, OUTSIDE THE LIMITS OF IMPROVEMENT.
- USE OF CCDD FILL OPERATIONS: PER PUBLIC ACT 97-0137, IF THE CONTRACTOR CHOOSES TO DISPOSE OF UNCONTAMINATED SOIL OR UNCONTAMINATED SOIL MIXED WITH CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) AT A CCDD FILL OPERATION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL NECESSARY FIELD AND LABORATORY ANALYSIS AND TO OBTAIN THE LICENSED PROFESSIONAL ENGINEER'S CERTIFICATION REQUIRED AS PER PUBLIC ACT 96-1416 TO USE THE SITE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION OR RELATED REMOVAL PAY ITEM, AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

SIGN PANEL SUMMARY

(SIGN)	X SIGN TYPE SIZE
TOTAL (EA)	

PROPOSED SIGN DESIGNATION LETTER (SEE PLANS)

BIKE RACK LOCATIONS

22+63, 55' RT	98+31, 58' RT
22+63, 60' RT	98+32, 52' RT
23+08, 58' LT	98+34, 52' RT
23+08, 52' LT	98+34, 58' RT
40+11, 33' RT	148+61, 73' RT
40+17, 33' RT	148+61, 79' RT
58+82, 34' LT	148+65, 75' LT
58+88, 33' LT	148+65, 81' LT
TOTAL = 16 EA	

PR SIGNAGE SCHEDULE

LOCATION	SIGNS INSTALLED	LOCATION	SIGNS INSTALLED
20+39, RT	H	95+93, LT	C, D, E
20+75, RT	B	97+93, RT	C, D, E
20+75, LT	B, J, K, M	98+05, LT	B, C
21+82, RT	D, E, H	99+09, RT	A, C
22+29, LT	B, C	99+21, LT	C, D, E
23+43, RT	B, C	99+51, RT	D, E, H
24+70, LT	D, E, H	101+05, LT	B, C
25+12, LT	A, C	102+59, RT	B, C
28+85, RT	C, D, E	104+18, LT	D, E, H
28+96, LT	B, C	104+49, RT	C, D, E
30+01, RT	A, C	104+61, LT	A, C
30+12, LT	C, D, E	105+65, RT	B, C
36+66, RT	K, M, O	105+77, LT	C, D, E
37+09, RT	A, C	107+78, RT	C, D, E
37+50, RT	D, E, H	107+90, LT	B, C
38+17, LT	B, C	108+93, RT	B, C
38+64, LT	B, P, R	109+06, LT	C, D, E
39+15, RT	B, C	111+75, RT	K, N
39+65, LT	K, O	112+05, RT	C, D, E
40+19, LT	D, E, H	112+31, LT	B, C
40+53, RT	B, K, L, R	113+26, RT	B, C
40+61, LT	A, C	113+59, LT	C, D, E
47+74, RT	A, C	113+89, LT	K, N
48+17, RT	D, E, H	114+33, RT	C, D, E
48+65, LT	B, C	115+49, RT	B, C
49+99, RT	B, C	117+62, RT	C, D, E
50+81, LT	D, E, H	117+74, LT	B, C
51+23, LT	A, C	118+78, RT	B, C
55+29, RT	C, D, E	118+91, LT	C, D, E
55+40, LT	B, C	120+90, RT	C, D, E
56+45, RT	B, C	121+02, LT	B, C
56+56, LT	C, D, E	122+06, RT	B, C
61+82, RT	C, D, E	122+18, LT	C, D, E
61+85, LT	B, C	124+18, RT	C, D, E
63+02, RT	B, C	124+30, LT	B, C
63+10, LT	C, D, E	125+34, RT	B, C
65+13, RT	C, D, E	125+46, LT	C, D, E
66+30, RT	B, C	127+47, RT	C, D, E
68+41, RT	C, D, E	127+58, LT	B, C
69+57, RT	B, C	128+63, RT	B, C
71+69, RT	C, D, E	128+75, LT	C, D, E
72+85, RT	B, C	130+74, RT	C, D, E
74+58, RT	K, L	130+87, LT	B, C
74+98, RT	C, D, E	131+91, RT	B, C
75+26, LT	B, C	132+03, LT	C, D, E
76+14, RT	B, C	134+03, RT	C, D, E
76+25, LT	C, D, E	134+15, LT	B, C
78+26, RT	C, D, E	135+19, RT	B, C
79+42, RT	B, C	135+31, LT	C, D, E
81+54, RT	C, D, E	137+32, RT	C, D, E
82+69, RT	B, C	137+44, LT	B, C
84+82, RT	C, D, E	138+48, RT	B, C
85+98, RT	B, C	138+60, LT	C, D, E
88+09, RT	C, D, E	140+60, RT	C, D, E
88+21, LT	B, C	140+71, LT	B, C
89+26, RT	B, C	141+76, RT	B, C
89+37, LT	C, D, E	141+88, LT	C, D, E
89+73, LT	K, L	143+88, RT	C, D, E
91+38, RT	C, D, E	144+00, LT	B, C
91+49, LT	B, C	145+90, LT	B, G
92+54, RT	B, C	146+95, LT	F
92+65, LT	C, D, E	146+98, RT	B, J, K, S
94+66, RT	C, D, E	148+73, RT	B, P
94+77, LT	B, C	148+84, LT	B(x2), Q, R
95+82, RT	B, C	148+91, LT	B, I

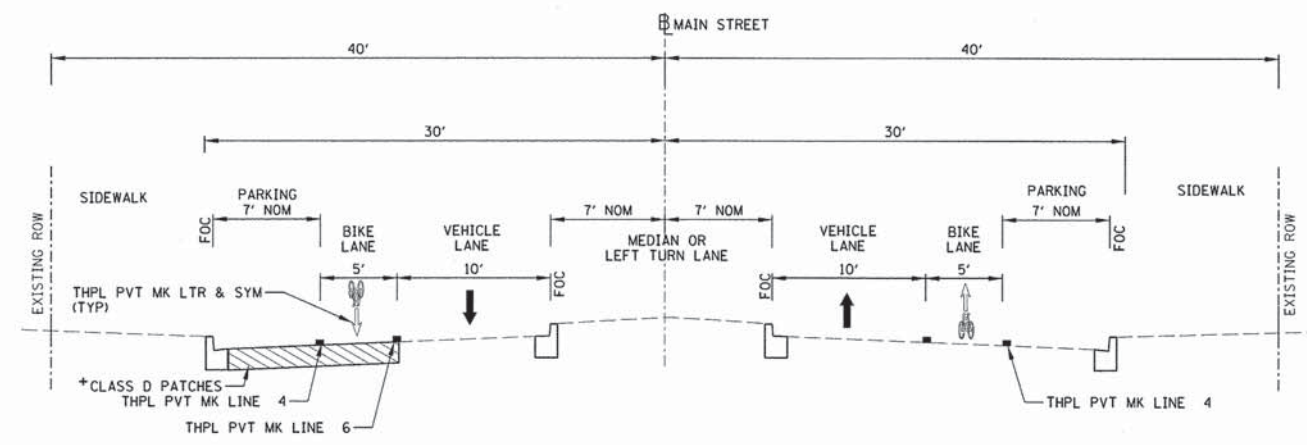
NOTE:

- CONTRACTOR TO LOCATE ALL PR SIGN LOCATIONS PRIOR TO ORDERING PANELS AND ANY REQUIRED MATERIALS/HARDWARE NECESSARY FOR INSTALLATION.
- SOME SIGNS ARE BACK-TO-BACK MOUNT. SEE PLANS FOR ORIENTATION.

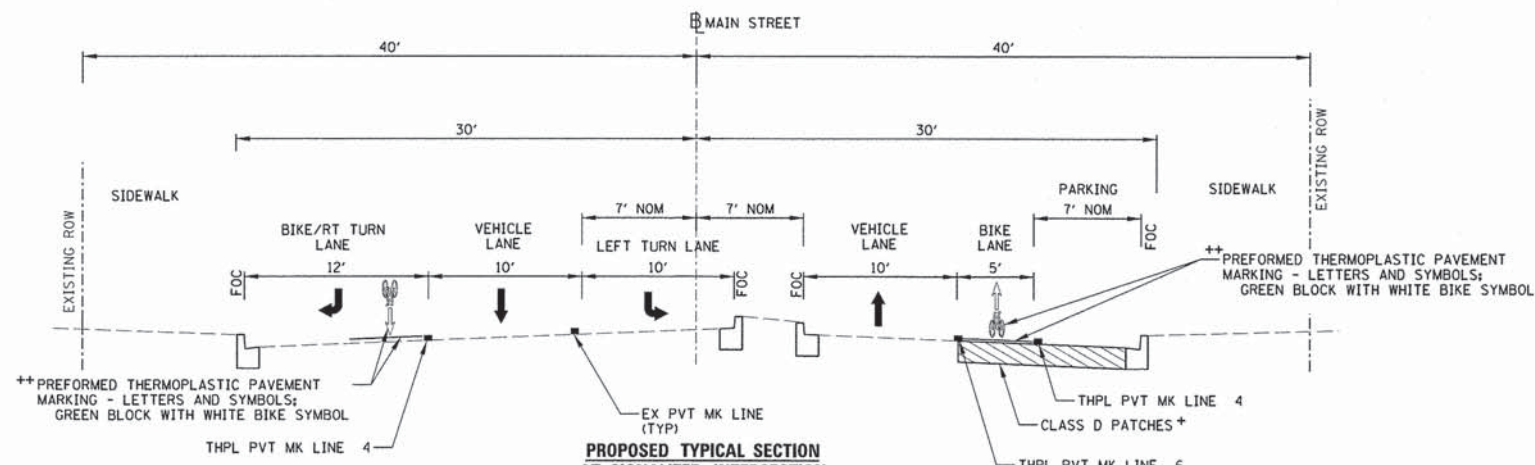
SUMMARY OF QUANTITIES			CONSTRUCTION CODE 0029	
SI	CODE NO.	ITEM	UNIT	TOTAL ESTIMATED QUANTITY
	28000510	INLET FILTERS	EACH	4
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1519
	40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	65
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	129
	44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	1534
	44201773	CLASS D PATCHES, TYPE I, 11 INCH	SQ YD	184
	44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	306
	44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	428
	44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	306
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	2
	67100100	MOBILIZATION	L SUM	1
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
	72000100	SIGN PANEL - TYPE 1	SQ FT	658
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	100
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	4

SI	CODE NO.	ITEM	UNIT	TOTAL ESTIMATED QUANTITY
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	288
	72900100	METAL POST - TYPE A	FOOT	1314
	72900200	METAL POST - TYPE B	FOOT	224
	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	32
+	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1949
+	78000200	THERMOPLASTIC PAVEMENT MARKING LINE 4"	FOOT	17110
+	78000400	THERMOPLASTIC PAVEMENT MARKING LINE 6"	FOOT	28165
+	78000600	THERMOPLASTIC PAVEMENT MARKING LINE 12"	FOOT	4190
+	78000650	THERMOPLASTIC PAVEMENT MARKING LINE 24"	FOOT	33
+	78006100	PERFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	6608
+	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	8
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	100
+	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	8
+	88600600	DETECTOR LOOP REPLACEMENT	FOOT	192
+	XX008910	PAVEMENT MARKING (SPECIAL)	SQ FT	11545
	Z0003855	BICYCLE RACKS	EACH	16
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	85

SI SPECIALTY ITEMS

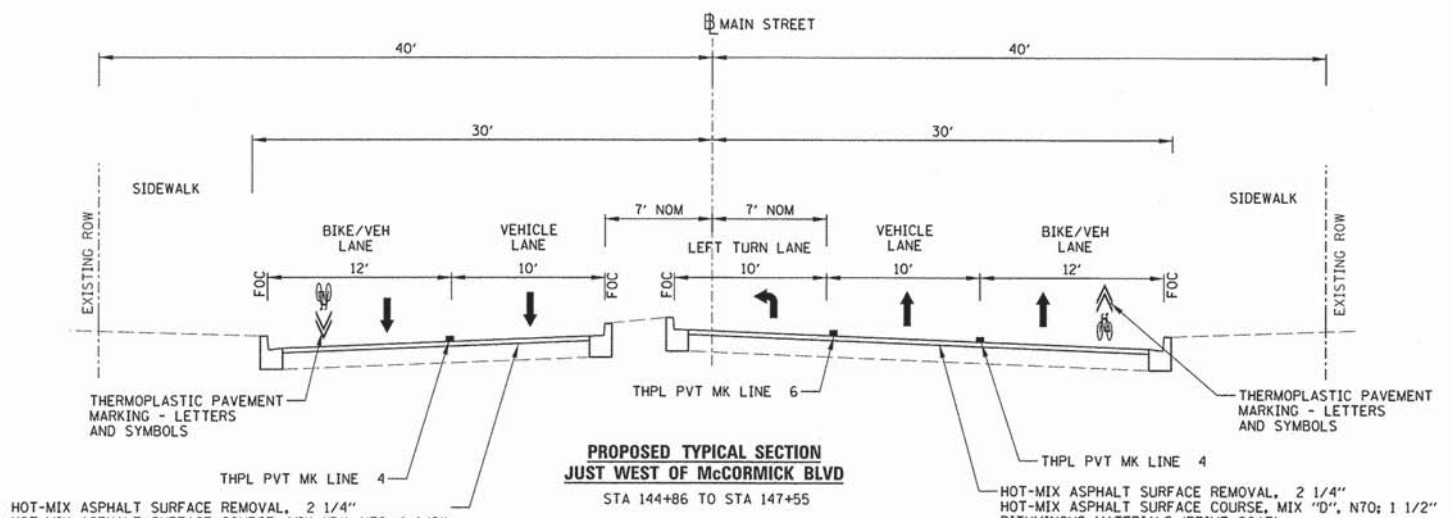


* PATCHES IN EB/WB BIKE/PARK/SHARED LANE AS DIRECTED BY THE ENGINEER FROM STA 49+10 TO STA 102+00

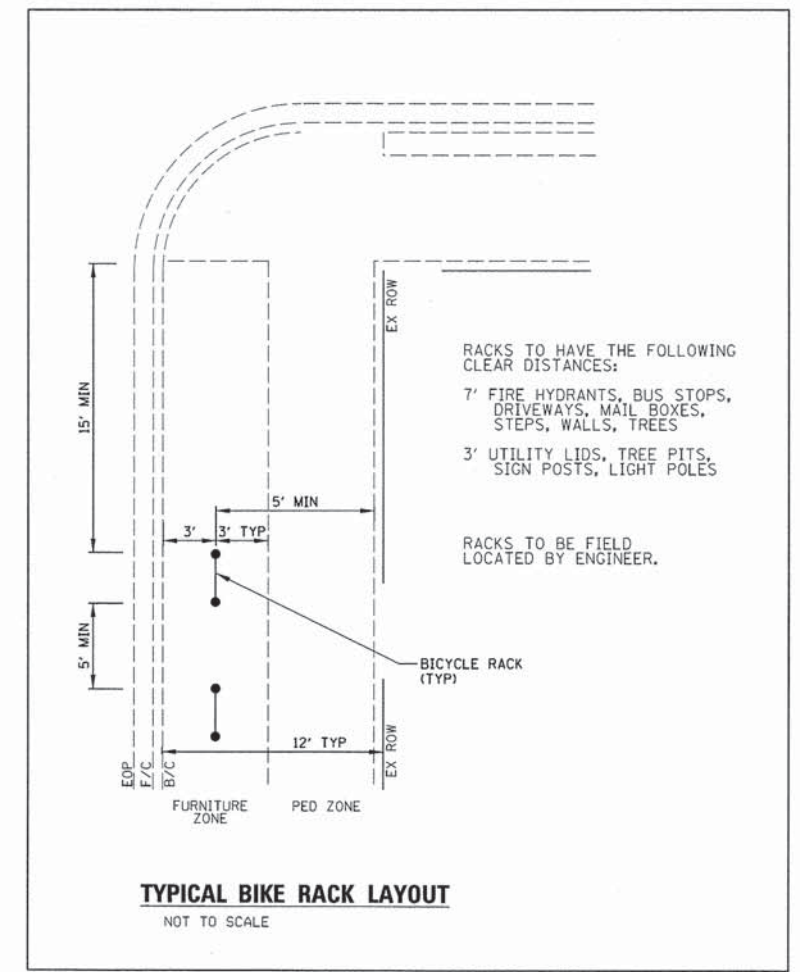


* PATCHES IN EB/WB BIKE/PARK/SHARED LANE AS DIRECTED BY THE ENGINEER FROM STA 49+10 TO STA 102+00

**SEE PLANS AND SHEET 14 FOR LOCATION OF: PAVEMENT MARKING (SPECIAL); GREEN COLOR



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 1 1/2" BITUMINOUS MATERIALS (PRIME COAT) LEVELING BINDER (MACHINE METHOD), N70; 3/4" NOM BITUMINOUS MATERIALS (PRIME COAT)

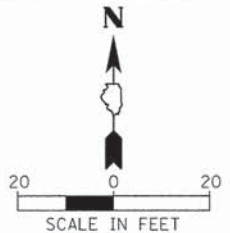
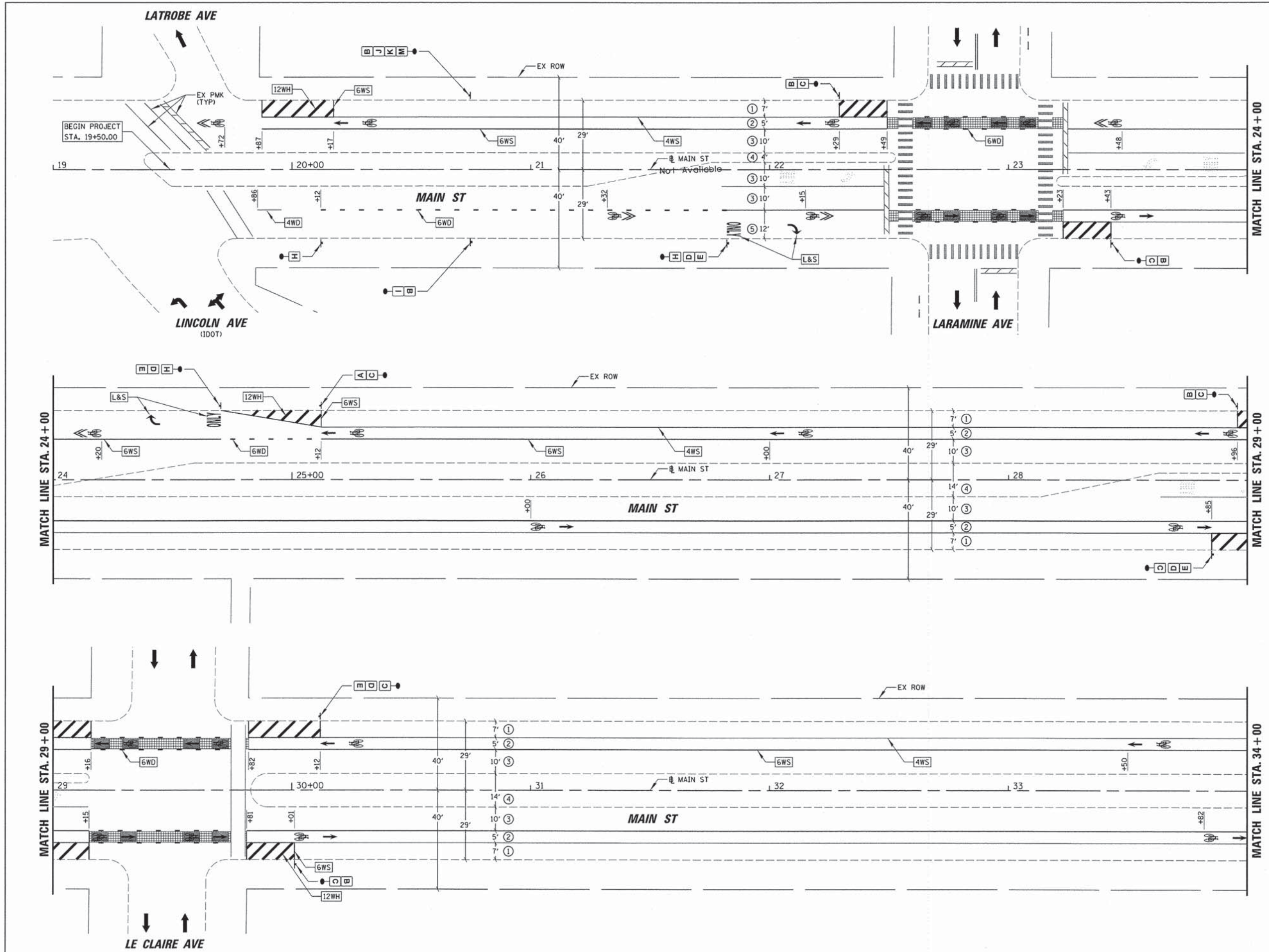


HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; IL 9.5 mm, 1-1/2"	4% @ 70 Gyr.
LEVELING BINDER (MACHINE METHOD), N70; IL 9.5 mm, 3/4" NOMINAL	4% @ 70 Gyr.
PATCHING	
CLASS D PATCHING; HMA BINDER IL-19 mm, N70, 11"	4% @ 70 Gyr.

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

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

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



LEGEND

- PROPOSED BICYCLE RACK
- DIRECTION OF VEHICULAR TRAFFIC

DIMENSIONS

- PARKING LANE - FACE TO PMK
- BIKE LANE - PMK TO PMK
- VEHICLE LANE - FACE TO PMK
- CURBED LANDSCAPED MEDIAN - FACE TO FACE
- SHARED LANE - FACE TO PMK

PAVEMENT MARKINGS

- PAVEMENT MARKING (SPECIAL)
- PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- SHARED LANE SYMBOL
- BIKE SYMBOL
- OTHER LETTERS AND SYMBOLS

THERMOPLASTIC PAVEMENT MARKING LINE 4"

- 4WS WHITE, SOLID
- 4WD WHITE, DASHED (10' DASH-30' SKIP) (2' MIN, 6' MAX FROM EX PMK)

THERMOPLASTIC PAVEMENT MARKING LINE 6"

- 6WS WHITE, SOLID
- 6WD WHITE, DASHED (2' DASH-6'SKIP)

THERMOPLASTIC PAVEMENT MARKING LINE 12"

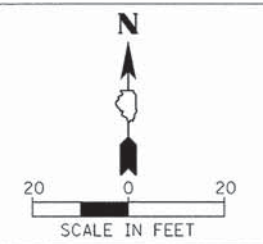
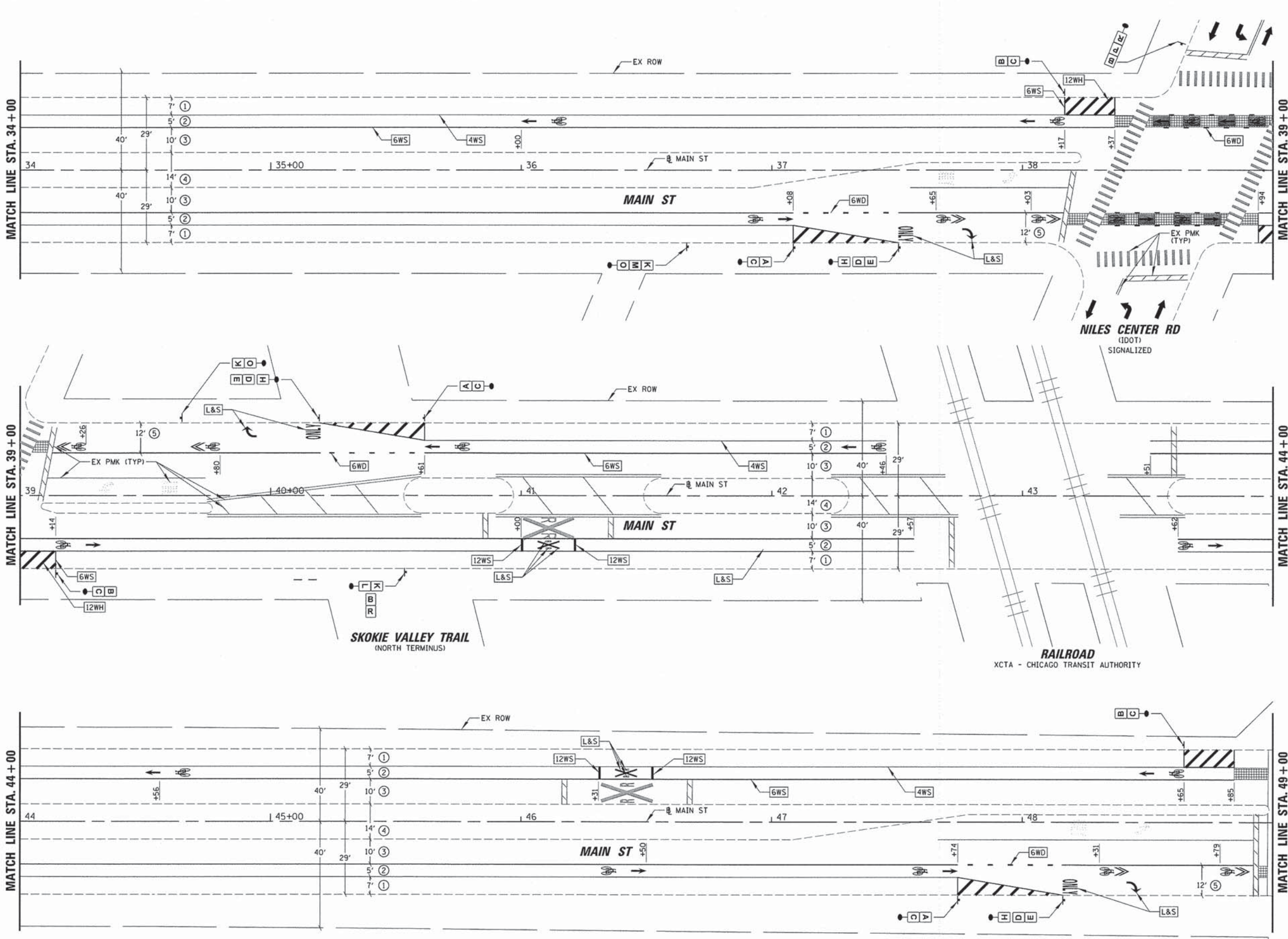
- 12WH WHITE, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA) OR SPACING AS SHOWN IN PLANS
- 12WS WHITE, SOLID

THERMOPLASTIC PAVEMENT MARKING LINE 24"

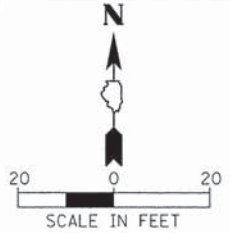
- 24WS WHITE, SOLID

SIGNS

- PR SIGN (SEE SIGNAGE SCHEDULE)
- BEGIN RIGHT TURN LANE YIELD TO BIKES (R4-4 36" x 30" A)
- BIKE LANE (R3-17 24" x 18" B)
- NO PARKING HERE TO CORNER (R7-11 12" x 18" C)
- WRONG WAY (R5-1b 12" x 18" D)
- RIDE WITH TRAFFIC (R9-3cP 12" x 12" E)
- RIGHT LANE MUST TURN RIGHT (R3-7R 30" x 30" H)
- AHEAD (R3-17cP 24" x 8" I)
- ENDS (R3-17bP 24" x 8" J)
- BIKE ROUTE (D11-1 24" x 18" K)
- M7-1R 12" x 9" L
- M7-2 12" x 9" M
- M7-5 12" x 9" N
- M7-3R 12" x 9" O
- M5-1L 21" x 15" P
- M6-1L 21" x 15" Q
- M6-1R 21" x 15" R
- M6-9 21" x 15" S



- LEGEND**
- PROPOSED BICYCLE RACK
 - DIRECTION OF VEHICULAR TRAFFIC
- DIMENSIONS**
- PARKING LANE - FACE TO PKM
 - BIKE LANE - PKM TO PKM
 - VEHICLE LANE - FACE TO PKM
 - CURBED LANDSCAPED MEDIAN - FACE TO FACE
 - SHARED LANE - FACE TO PKM
- PAVEMENT MARKINGS**
- PAVEMENT MARKING (SPECIAL)
 - PERFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
 - THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
 - SHARED LANE SYMBOL
 - BIKE SYMBOL
 - OTHER LETTERS AND SYMBOLS
- THERMOPLASTIC PAVEMENT MARKING LINE 4"**
- 4WS WHITE, SOLID
 - 4WD WHITE, DASHED (10' DASH-30' SKIP) (2' MIN, 6' MAX FROM EX PKM)
- THERMOPLASTIC PAVEMENT MARKING LINE 6"**
- 6WS WHITE, SOLID
 - 6WD WHITE, DASHED (2' DASH-6'SKIP)
- THERMOPLASTIC PAVEMENT MARKING LINE 12"**
- 12WH WHITE, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA) OR SPACING AS SHOWN IN PLANS
 - 12WS WHITE, SOLID
- THERMOPLASTIC PAVEMENT MARKING LINE 24"**
- 24WS WHITE, SOLID
- SIGNS**
- PR SIGN (SEE SIGNAGE SCHEDULE)
 - BEGIN RIGHT TURN LANE YIELD TO BIKES (R4-4 36" x 30")
 - BIKE LANE (R3-17 24" x 18")
 - NO PARKING HERE TO CORNER (R7-11 12" x 18")
 - WRONG WAY (R5-1b 12" x 18")
 - RIGHT LANE MUST TURN RIGHT (R3-7R 30" x 30")
 - AHEAD (R3-17aP 24" x 8")
 - ENDS (R3-17bP 24" x 8")
 - BIKE ROUTE (D11-1 24" x 18")
 - M7-1R 12" x 9"
 - M7-2 12" x 9"
 - M7-5 12" x 9"
 - M7-3R 12" x 9"
 - M5-1L 21" x 15"
 - M6-1L 21" x 15"
 - M6-1R 21" x 15"
 - M6-9 21" x 15"



LEGEND

- | PROPOSED BICYCLE RACK
- ➔ DIRECTION OF VEHICULAR TRAFFIC

DIMENSIONS

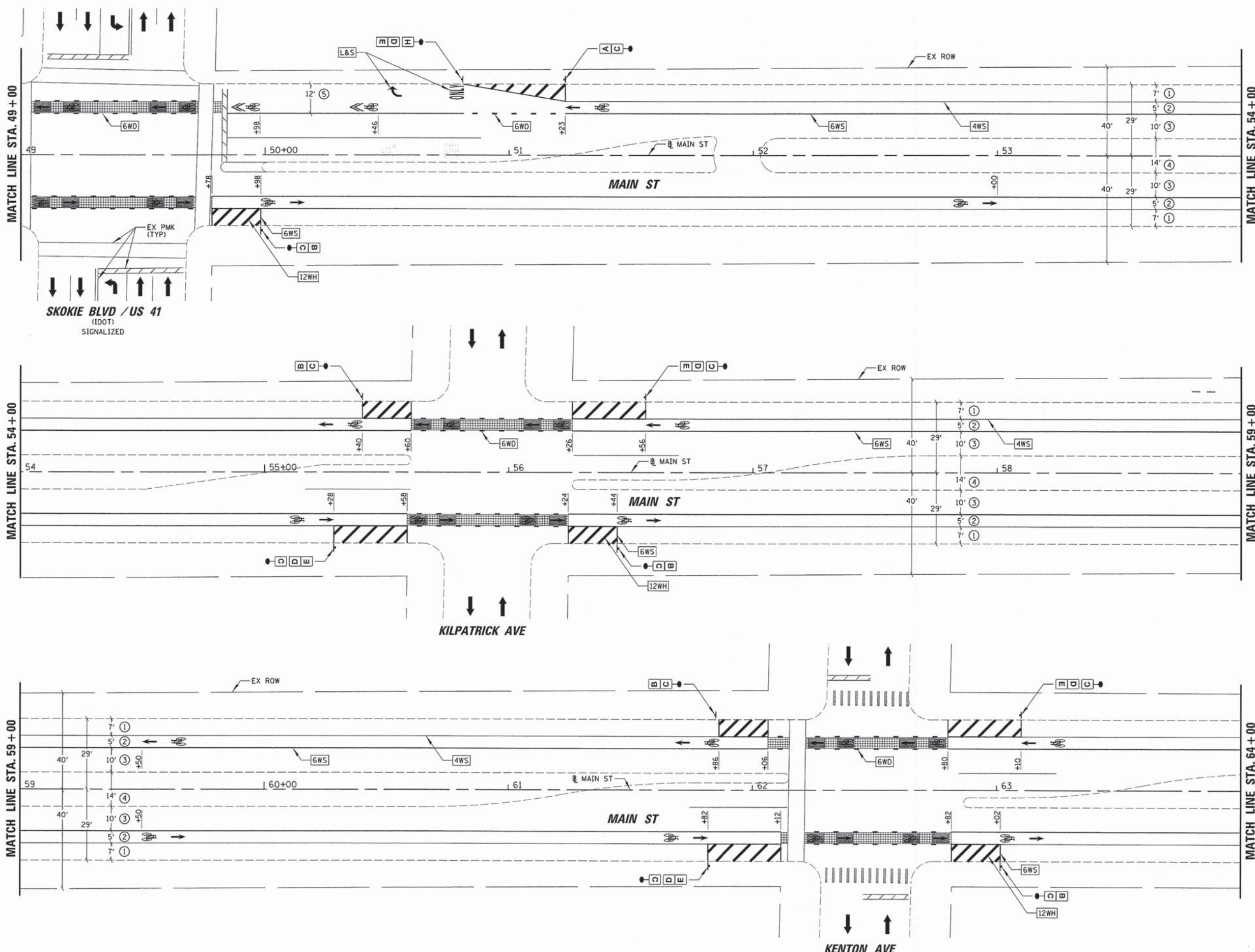
- ① PARKING LANE - FACE TO PMK
- ② BIKE LANE - PMK TO PMK
- ③ VEHICLE LANE - FACE TO PMK
- ④ CURBED LANDSCAPED MEDIAN - FACE TO FACE
- ⑤ SHARED LANE - FACE TO PMK

PAVEMENT MARKINGS

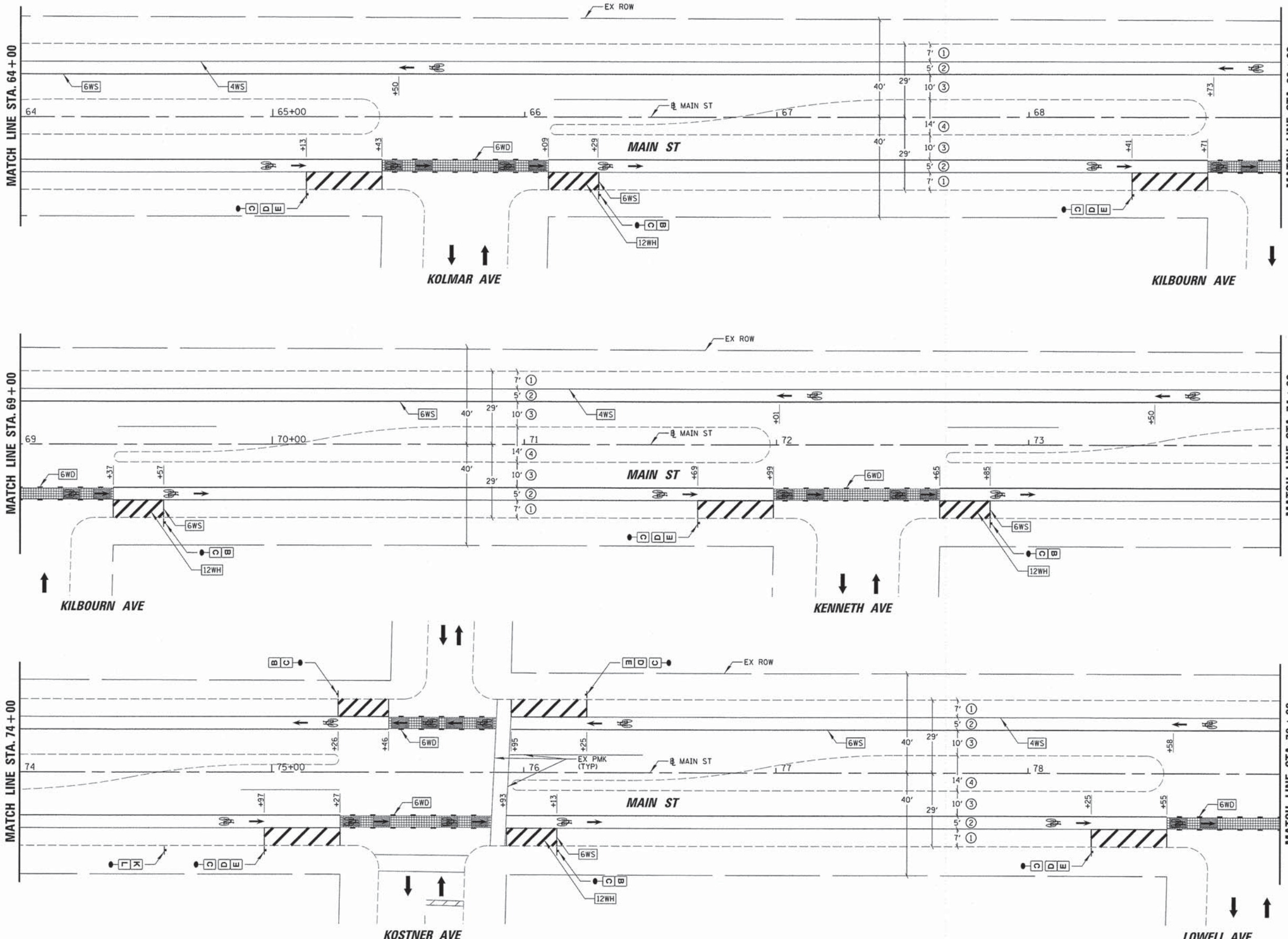
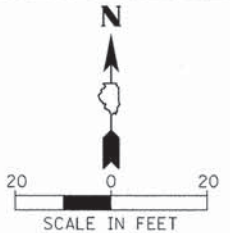
- PAVEMENT MARKING (SPECIAL)
- PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS**
- SHARED LANE SYMBOL
- BIKE SYMBOL
- OTHER LETTERS AND SYMBOLS
- THERMOPLASTIC PAVEMENT MARKING LINE 4"**
- WHITE, SOLID
- WHITE, DASHED (10' DASH-30' SKIP) (2' MIN, 6' MAX FROM EX PMK)
- THERMOPLASTIC PAVEMENT MARKING LINE 6"**
- WHITE, SOLID
- WHITE, DASHED (2' DASH-6'SKIP)
- THERMOPLASTIC PAVEMENT MARKING LINE 12"**
- WHITE, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA) OR SPACING AS SHOWN IN PLANS
- WHITE, SOLID
- THERMOPLASTIC PAVEMENT MARKING LINE 24"**
- WHITE, SOLID

SIGNS

- PR SIGN (SEE SIGNAGE SCHEDULE)
- BEGIN RIGHT TURN LANE YIELD TO BIKES (R4-4, 36" x 30", A)
- BIKE LANE (R3-17, 24" x 18", B)
- NO PARKING HERE TO CORNER (R7-11, 12" x 18", C)
- WRONG WAY (R5-1b, 12" x 18", D)
- RIDE WITH TRAFFIC (R9-3cP, 12" x 12", E)
- RIGHT LANE MUST TURN RIGHT (W4-2R, 36" x 36", F)
- NO RIGHT TURN (R8-3, 12" x 12", G)
- BIKE ROUTE (R3-7R, 30" x 30", H)
- AHEAD (R3-17aP, 24" x 8", I)
- ENDS (R3-17bP, 24" x 8", J)
- BIKE ROUTE (D11-1, 24" x 18", K)
- M7-1R, 12" x 9", L
- M7-2, 12" x 9", M
- M7-5, 12" x 9", N
- M7-3R, 12" x 9", O
- M5-1L, 21" x 15", P
- M6-1L, 21" x 15", Q
- M6-1R, 21" x 15", R
- M6-9, 21" x 15", S



FILE NAME = N:\Skokie\130087\Civil\005-813_PLN_MAIN.DGN	USER NAME = mwardner	DESIGNED - BLL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAIN ST BIKE LANE PAVEMENT MARKING INSTALLATION (LINCOLN AVE TO McCORMICK BLVD) PAVEMENT MARKING AND SIGNING PLAN				F.A.J. RTE. 1329	SECTION 13-00294-00-BT	COUNTY COOK	TOTAL SHEETS 18	SHEET NO. 7
28 scale sheets	PLOT SCALE = 28"	CHECKED - JGS	REVISED -		SCALE: 1"=20'	SHEET 3	OF 9 SHEETS	STA. 49+00	TO STA. 64+00	CONTRACT NO. 61A98			
	PLOT DATE = 12/19/2014	DATE = 12/15/14: FINAL	REVISED -		ILLINOIS FED. AID PROJECT								



LEGEND

- PROPOSED BICYCLE RACK
- DIRECTION OF VEHICULAR TRAFFIC

DIMENSIONS

- PARKING LANE - FACE TO PMK
- BIKE LANE - PMK TO PMK
- VEHICLE LANE - FACE TO PMK
- CURBED LANDSCAPED MEDIAN - FACE TO FACE
- SHARED LANE - FACE TO PMK

PAVEMENT MARKINGS

- PAVEMENT MARKING (SPECIAL)
- PERFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
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- BIKE SYMBOL
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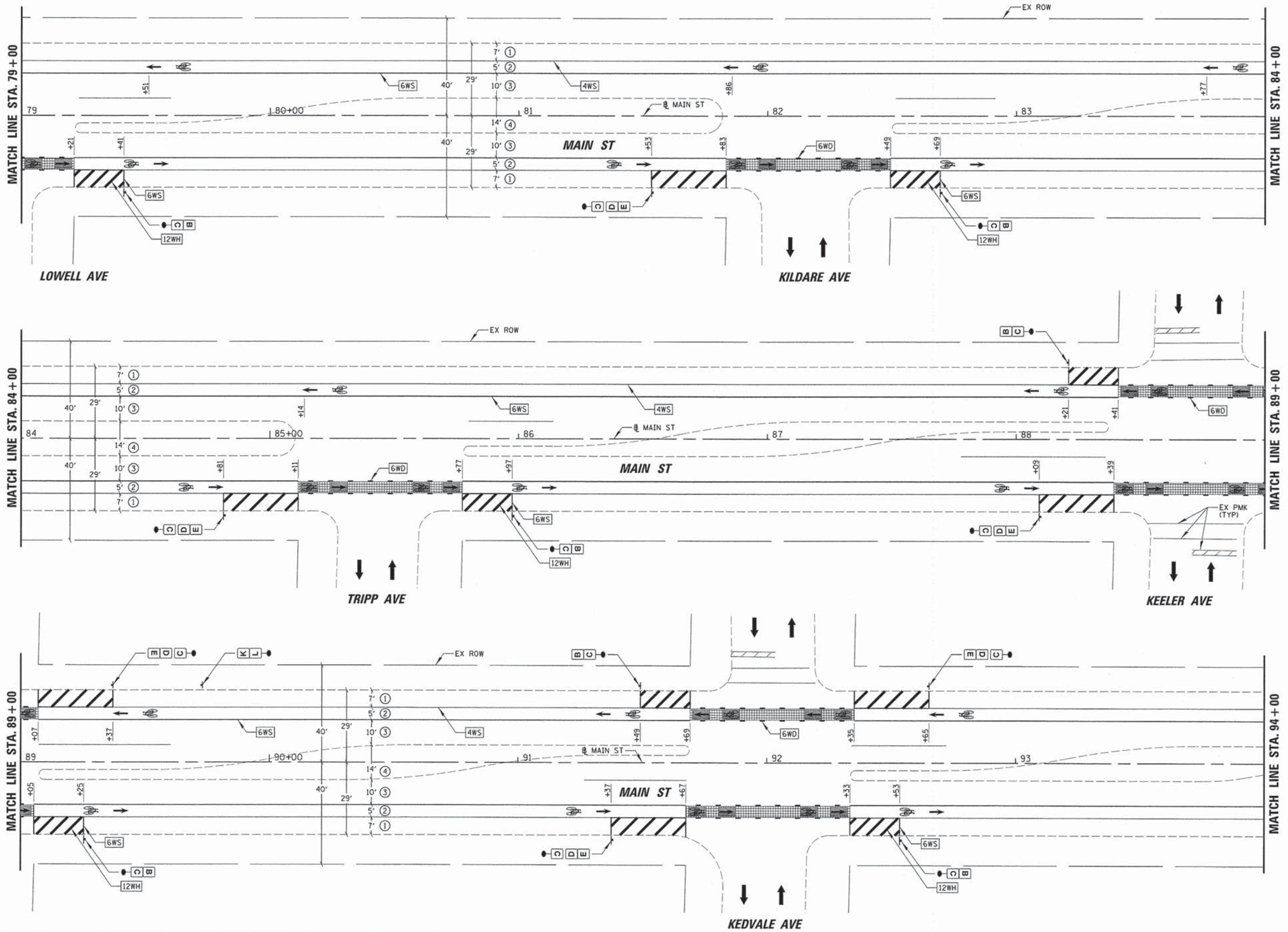
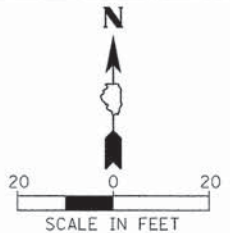
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SIGNS

- PR SIGN (SEE SIGNAGE SCHEDULE)
- BEGIN RIGHT TURN LANE YIELD TO BIKES (R4-4 36" x 30" A)
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- M6-1L 21" x 15" Q
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LEGEND

- PROPOSED BICYCLE RACK
- DIRECTION OF VEHICULAR TRAFFIC

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- PARKING LANE - FACE TO PMK
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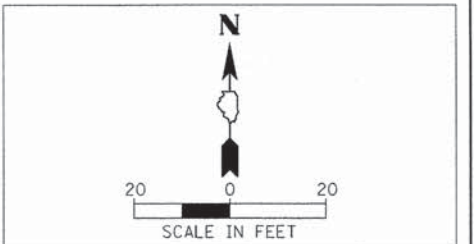
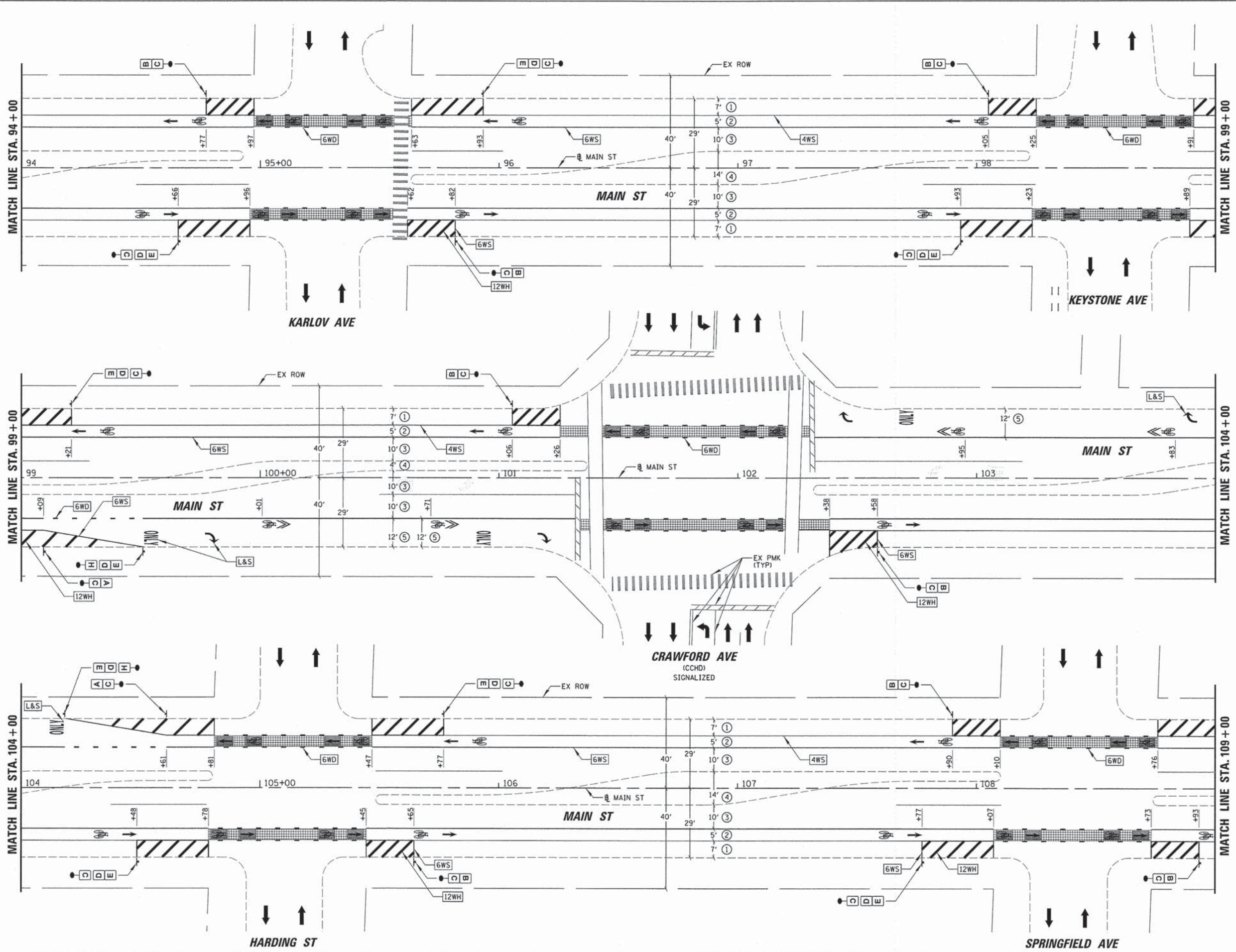
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THERMOPLASTIC PAVEMENT MARKING LINE 24"

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SIGNS

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LEGEND

- PROPOSED BICYCLE RACK
- DIRECTION OF VEHICULAR TRAFFIC

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- PARKING LANE - FACE TO PMK
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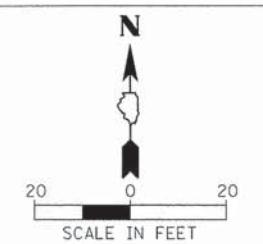
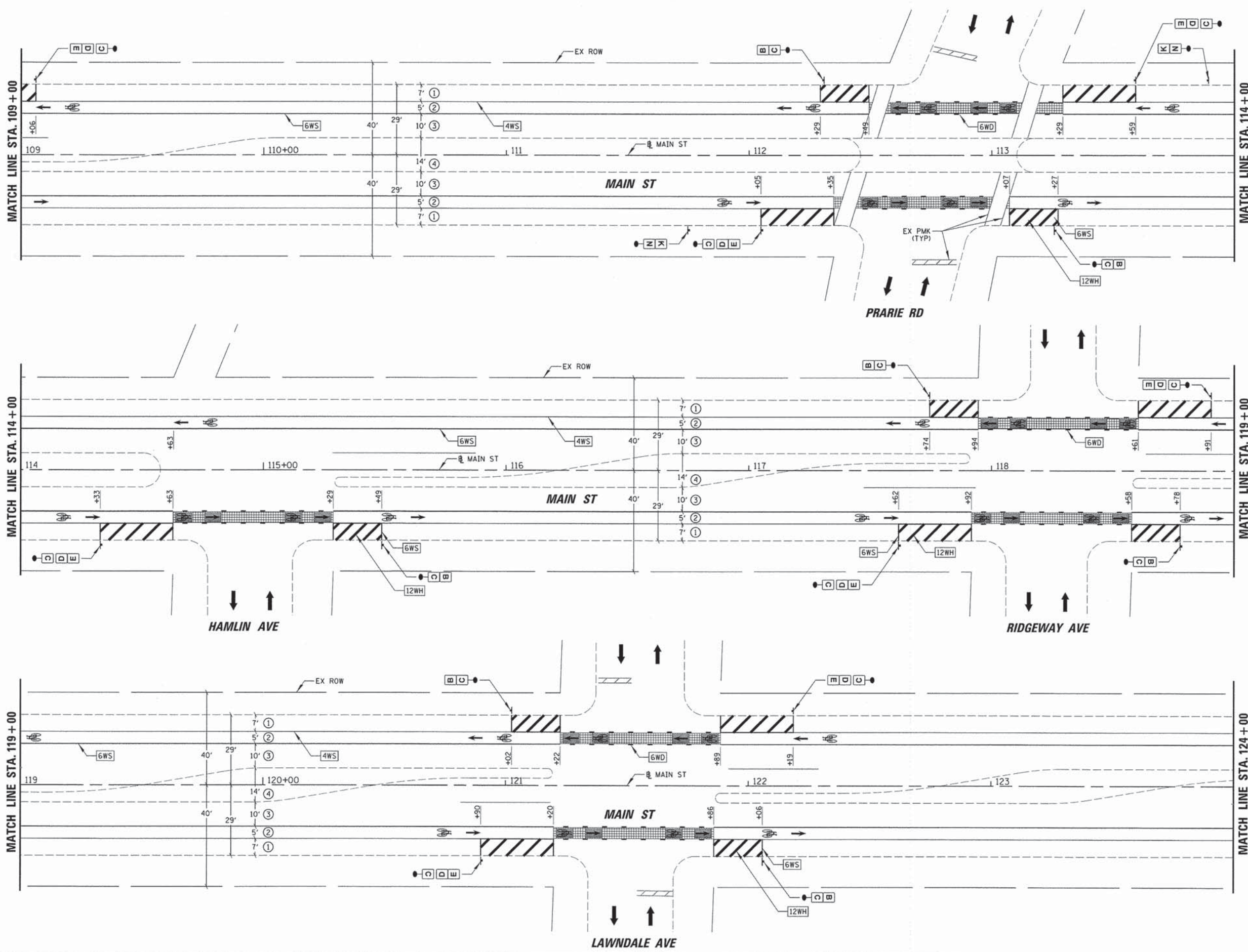
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LEGEND

- PROPOSED BICYCLE RACK
- DIRECTION OF VEHICULAR TRAFFIC

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- VEHICLE LANE - FACE TO PMK
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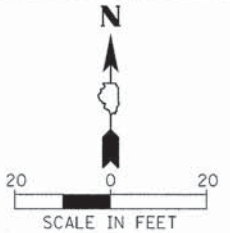
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THERMOPLASTIC PAVEMENT MARKING LINE 24"

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- NO PARKING HERE TO CORNER (R7-11 12" x 18")
- WRONG WAY (R5-1b 12" x 18")
- RIDE WITH TRAFFIC (R9-3cP 12" x 12")
- RIGHT LANE MUST TURN RIGHT (R3-7R 30" x 30")
- AHEAD (R3-17aP 24" x 8")
- ENDS (R3-17bP 24" x 8")
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LEGEND

- ① PROPOSED BICYCLE RACK
- ➔ DIRECTION OF VEHICULAR TRAFFIC

DIMENSIONS

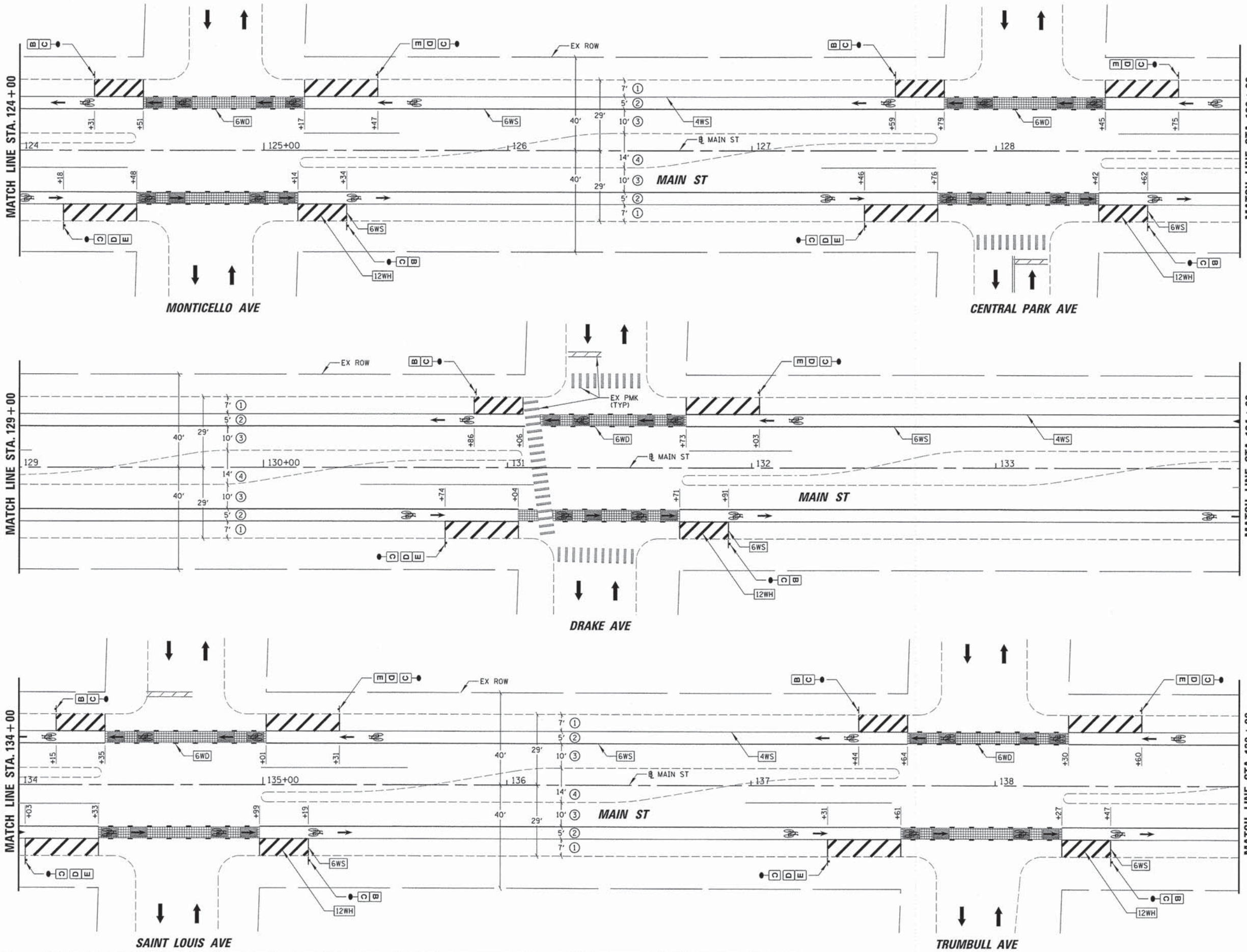
- ① PARKING LANE - FACE TO PKM
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- ③ VEHICLE LANE - FACE TO PKM
- ④ CURBED LANDSCAPED MEDIAN - FACE TO FACE
- ⑤ SHARED LANE - FACE TO PKM

PAVEMENT MARKINGS

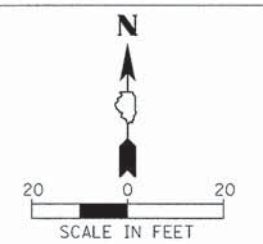
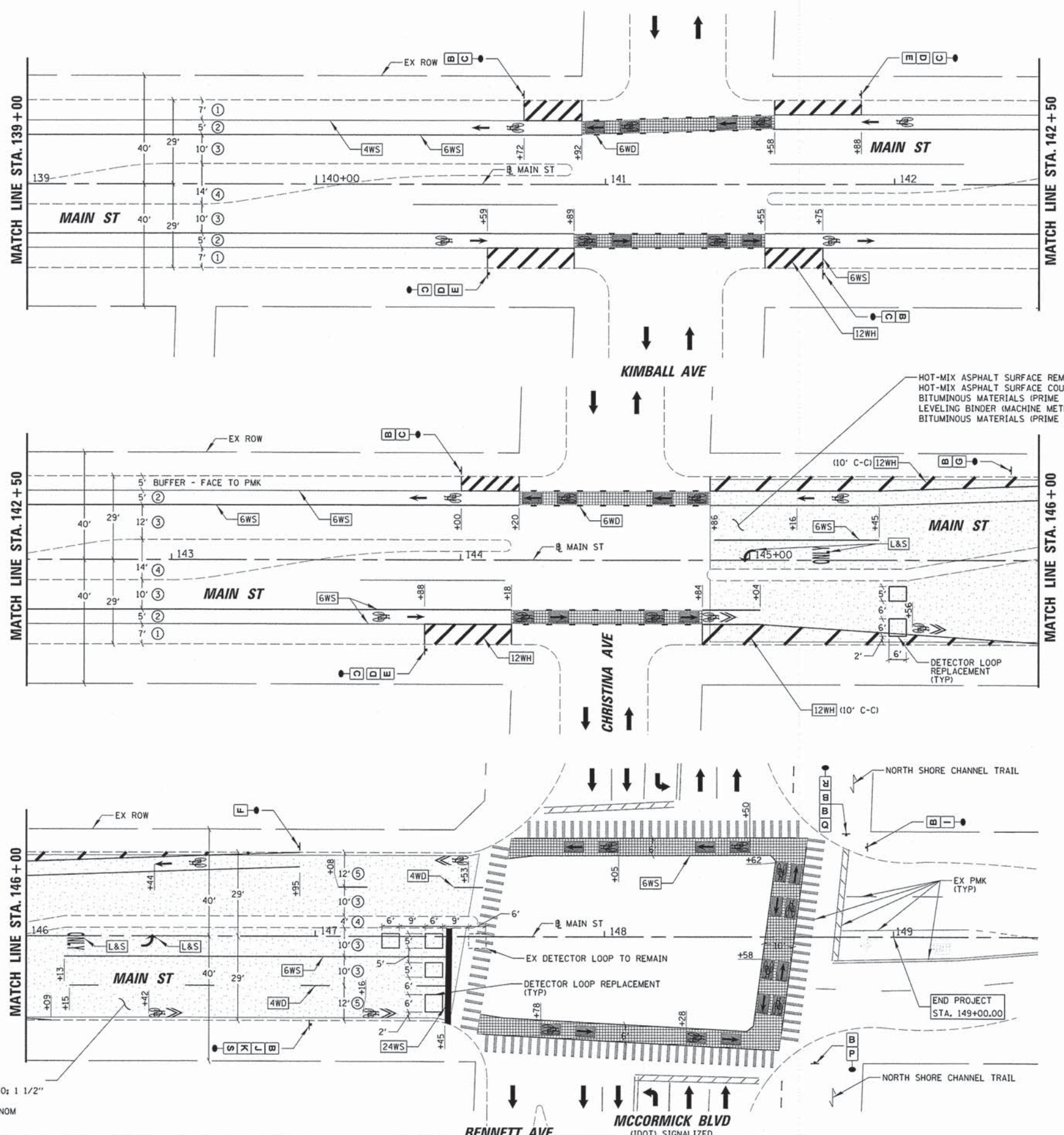
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 - WHITE, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA) OR SPACING AS SHOWN IN PLANS
 - WHITE, SOLID
- THERMOPLASTIC PAVEMENT MARKING LINE 24"**
 - WHITE, SOLID

SIGNS

- PR SIGN (SEE SIGNAGE SCHEDULE)
- BEGIN RIGHT TURN LANE
YIELD TO BIKES
R4-4
36" x 30"
A
- BIKE LANE
R3-17
24" x 18"
B
- NO PARKING HERE TO CORNER
R7-11
12" x 18"
C
- WRONG WAY
R5-1b
12" x 18"
D
- RIDE WITH TRAFFIC
R9-3cP
12" x 12"
E
- RIGHT LANE MUST TURN RIGHT
W4-2R
36" x 36"
F
- NO RIGHT TURN
R8-3
12" x 12"
G
- RIGHT LANE MUST TURN RIGHT
R3-7R
30" x 30"
H
- AHEAD
R3-17cP
24" x 8"
I
- ENDS
R3-17bP
24" x 8"
J
- BIKE ROUTE
D11-1
24" x 18"
K
- M7-1R
12" x 9"
L
- M7-2
12" x 9"
M
- M7-5
12" x 9"
N
- M7-3R
12" x 9"
O
- M5-1L
21" x 15"
P
- M6-1L
21" x 15"
Q
- M6-1R
21" x 15"
R
- M6-9
21" x 15"
S



FILE NAME = N:\Skokie\130087\Cv1\1\005-013_PLN_MAIN.DGN	USER NAME = mvarder	DESIGNED - BLL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAIN ST BIKE LANE PAVEMENT MARKING INSTALLATION (LINCOLN AVE TO McCORMICK BLVD) PAVEMENT MARKING AND SIGNING PLAN				F.A.U. RTE. 1329	SECTION 13-00294-00-BT	COUNTY COOK	TOTAL SHEETS 18	SHEET NO. 12
28 scale sheets	PLOT SCALE = 20'	DRAWN - VAR	REVISED -		SCALE: 1"=20'	SHEET 8	OF 9 SHEETS	STA. 124+00	TO STA. 139+00	CONTRACT NO. 61A98			
	PLOT DATE = 12/17/2014	CHECKED - JGS	REVISED -							ILLINOIS FED. AID PROJECT			
		DATE - 12/15/14: FINAL	REVISED -							ILLINOIS FED. AID PROJECT			



LEGEND

- PROPOSED BICYCLE RACK
- DIRECTION OF VEHICULAR TRAFFIC

DIMENSIONS

- PARKING LANE - FACE TO PKM
- BIKE LANE - PKM TO PKM
- VEHICLE LANE - FACE TO PKM
- CURBED LANDSCAPED MEDIAN - FACE TO FACE
- SHARED LANE - FACE TO PKM

PAVEMENT MARKINGS

- PAVEMENT MARKING (SPECIAL)
- PERFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- SHARED LANE SYMBOL
- BIKE SYMBOL
- OTHER LETTERS AND SYMBOLS

THERMOPLASTIC PAVEMENT MARKING LINE 4"

- 4WS WHITE, SOLID
- 4WD WHITE, DASHED (10' DASH-30' SKIP) (2' MIN, 6' MAX FROM EX PKM)

THERMOPLASTIC PAVEMENT MARKING LINE 6"

- 6WS WHITE, SOLID
- 6WD WHITE, DASHED (2' DASH-6'SKIP)

THERMOPLASTIC PAVEMENT MARKING LINE 12"

- 12WH WHITE, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA) OR SPACING AS SHOWN IN PLANS
- 12WS WHITE, SOLID

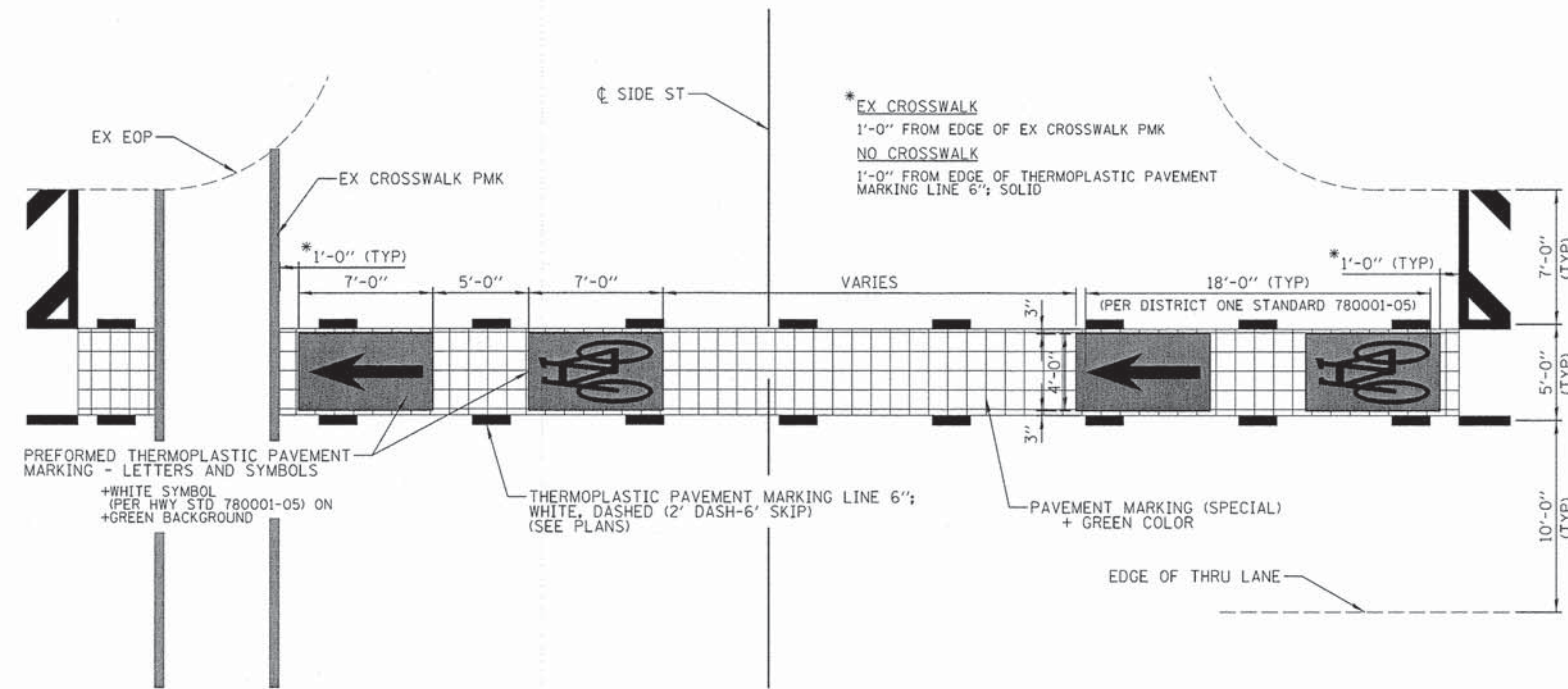
THERMOPLASTIC PAVEMENT MARKING LINE 24"

- 24WS WHITE, SOLID

SIGNS

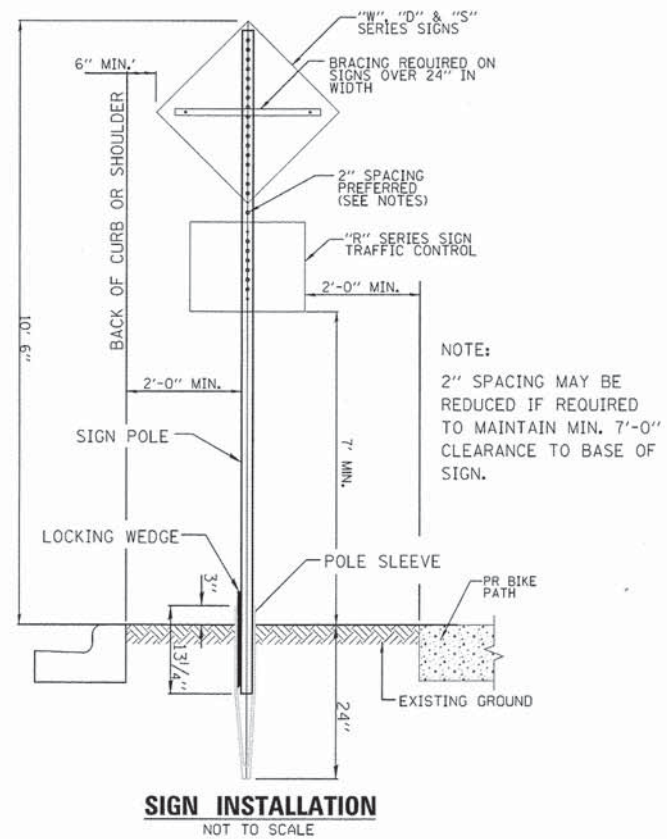
- PR SIGN (SEE SIGNAGE SCHEDULE)
- BEGIN RIGHT TURN LANE YIELD TO BIKES (R4-4 36" x 30")
- BIKE LANE (R3-17 24" x 18")
- NO PARKING HERE TO CORNER (R7-11 12" x 18")
- WRONG WAY (R5-1b 12" x 18")
- RIDE WITH TRAFFIC (R9-3cP 12" x 12")
- RIGHT LANE MUST TURN RIGHT (R3-7R 30" x 30")
- AHEAD (R3-17cP 24" x 8")
- ENDS (R3-17bP 24" x 8")
- BIKE ROUTE (D11-1 24" x 18")
- M7-1R 12" x 9"
- M7-2 12" x 9"
- M7-5 12" x 9"
- M7-3R 12" x 9"
- M5-1L 21" x 15"
- M6-1L 21" x 15"
- M6-1R 21" x 15"
- M6-9 21" x 15"

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 1 1/2"
 BITUMINOUS MATERIALS (PRIME COAT)
 LEVELING BINDER (MACHINE METHOD), N70; 3/4" NOM
 BITUMINOUS MATERIALS (PRIME COAT)



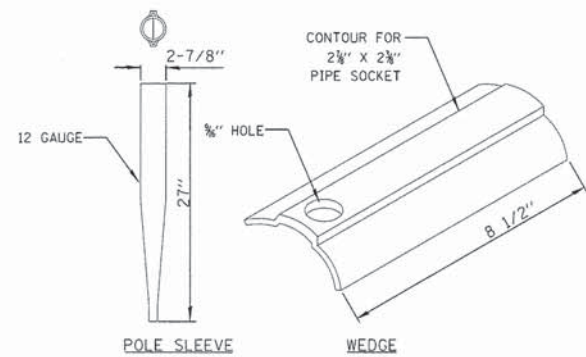
INTERSECTION PAVEMENT MARKING DETAIL

NOT TO SCALE



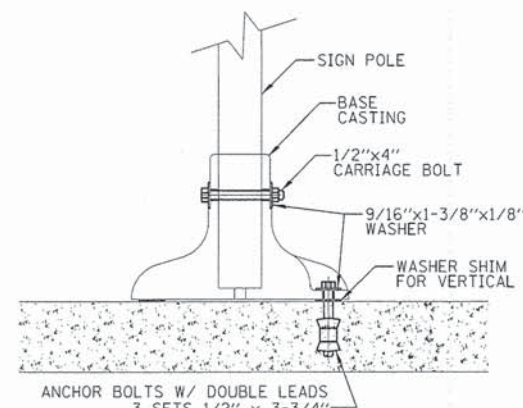
SIGN INSTALLATION

NOT TO SCALE



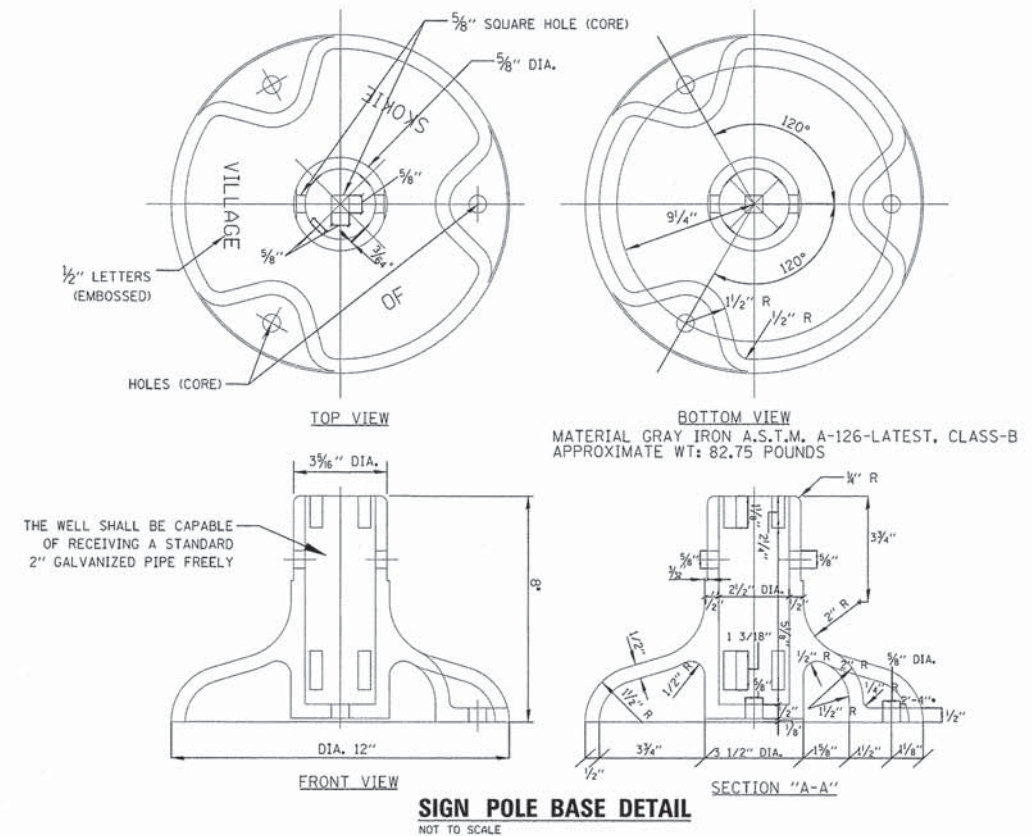
PIPE SOCKET AND WEDGE DETAIL

NOT TO SCALE



DRILL MOUNTED INSTALLATION DETAIL OVER PCC SIDEWALK

NOT TO SCALE



SIGN POLE BASE DETAIL

NOT TO SCALE

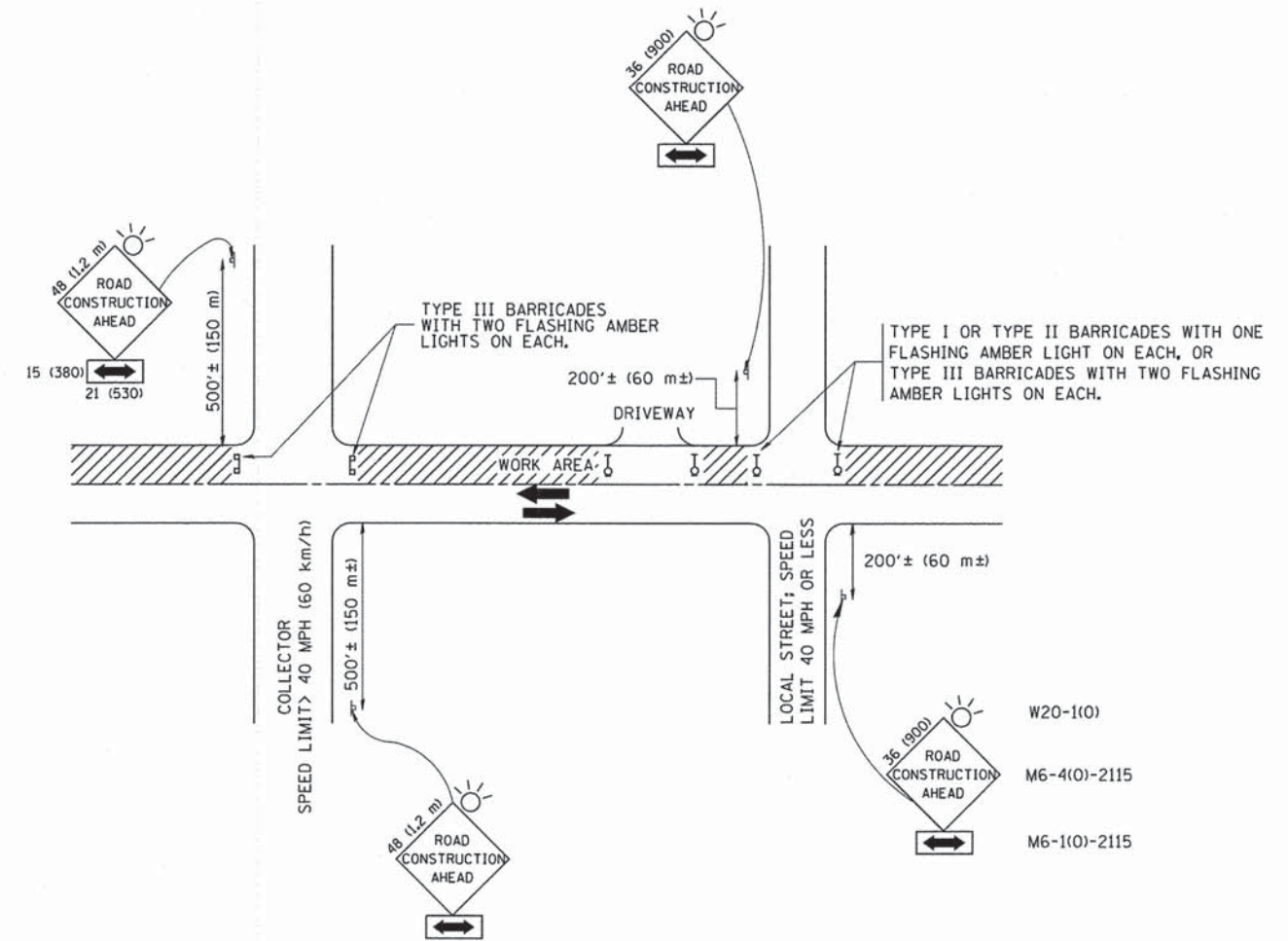
FILE NAME = N:\Skokie\130007\Civil\014-017_DET.STD.130007.SHT	USER NAME = mvarder	DESIGNED - BLL	REVISED -
Default	PLOT SCALE = 50'	DRAWN - VAR	REVISED -
	PLOT DATE = 12/17/2014	CHECKED - JGS	REVISED -
		DATE - 12/15/14: FINAL	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAIN ST BIKE LANE PAVEMENT MARKING INSTALLATION (LINCOLN AVE TO McCORMICK BLVD)
CONSTRUCTION DETAILS**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE. 1329	SECTION 13-00294-00-BT	COUNTY COOK	TOTAL SHEETS 18	SHEET NO. 14
CONTRACT NO. 61A98				ILLINOIS FED. AID PROJECT



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

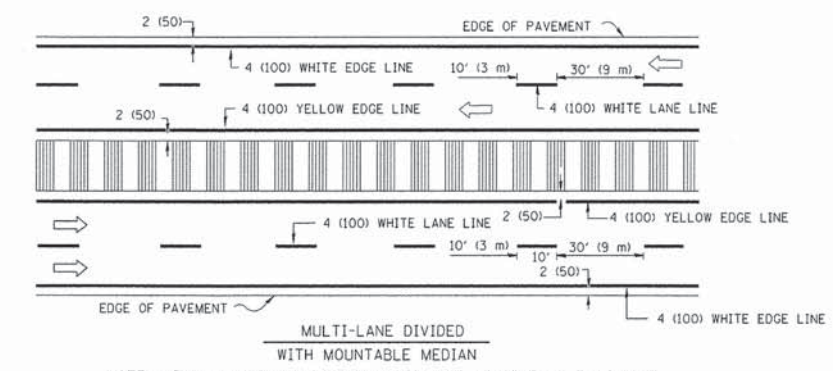
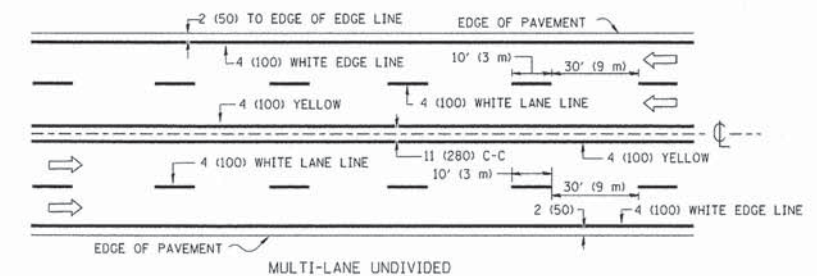
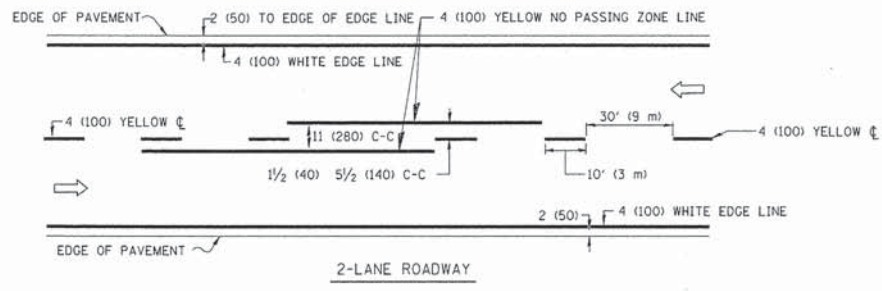
NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

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

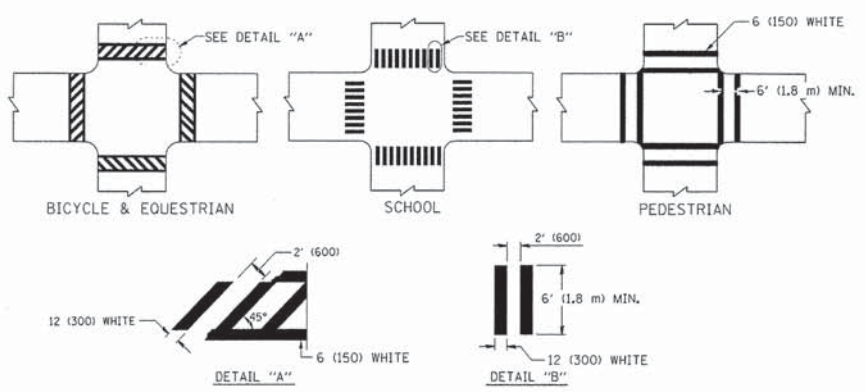
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = W:\distatd\22x34\td18.dgn	USER NAME = gegienobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - A. HOUSEH 03-06-96		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A	TC-10		18	15
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - A. HOUSEH 10-15-96								CONTRACT NO. 61A98	
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

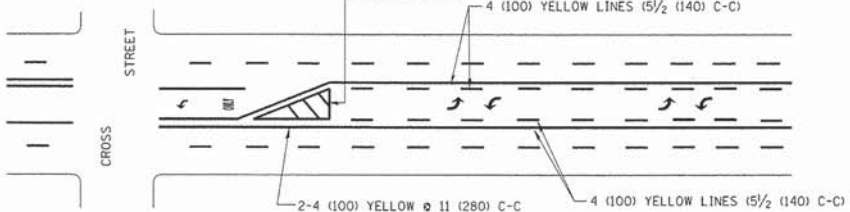
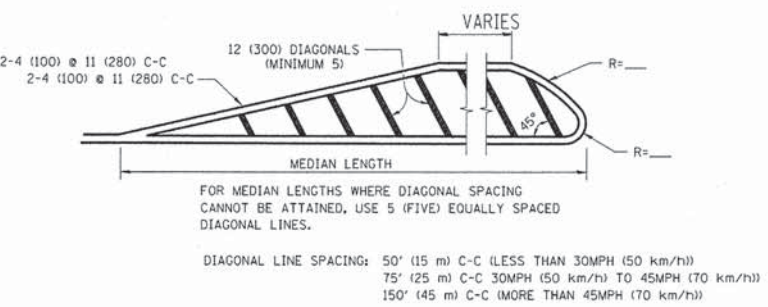
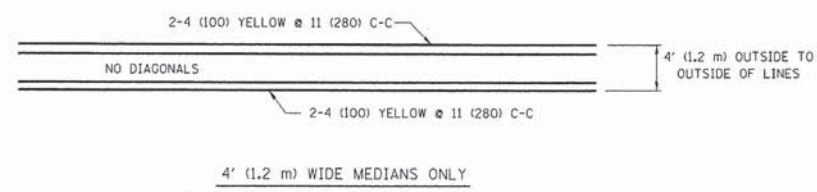


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

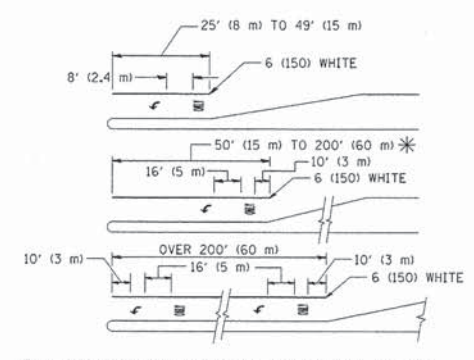
TYPICAL LANE AND EDGE LINE MARKING



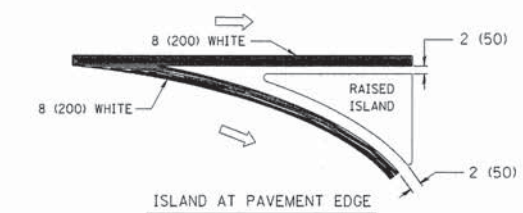
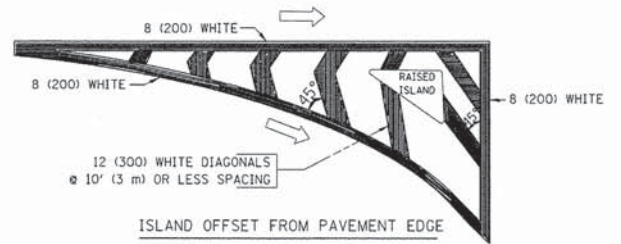
TYPICAL CROSSWALK MARKING



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 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	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 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
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))

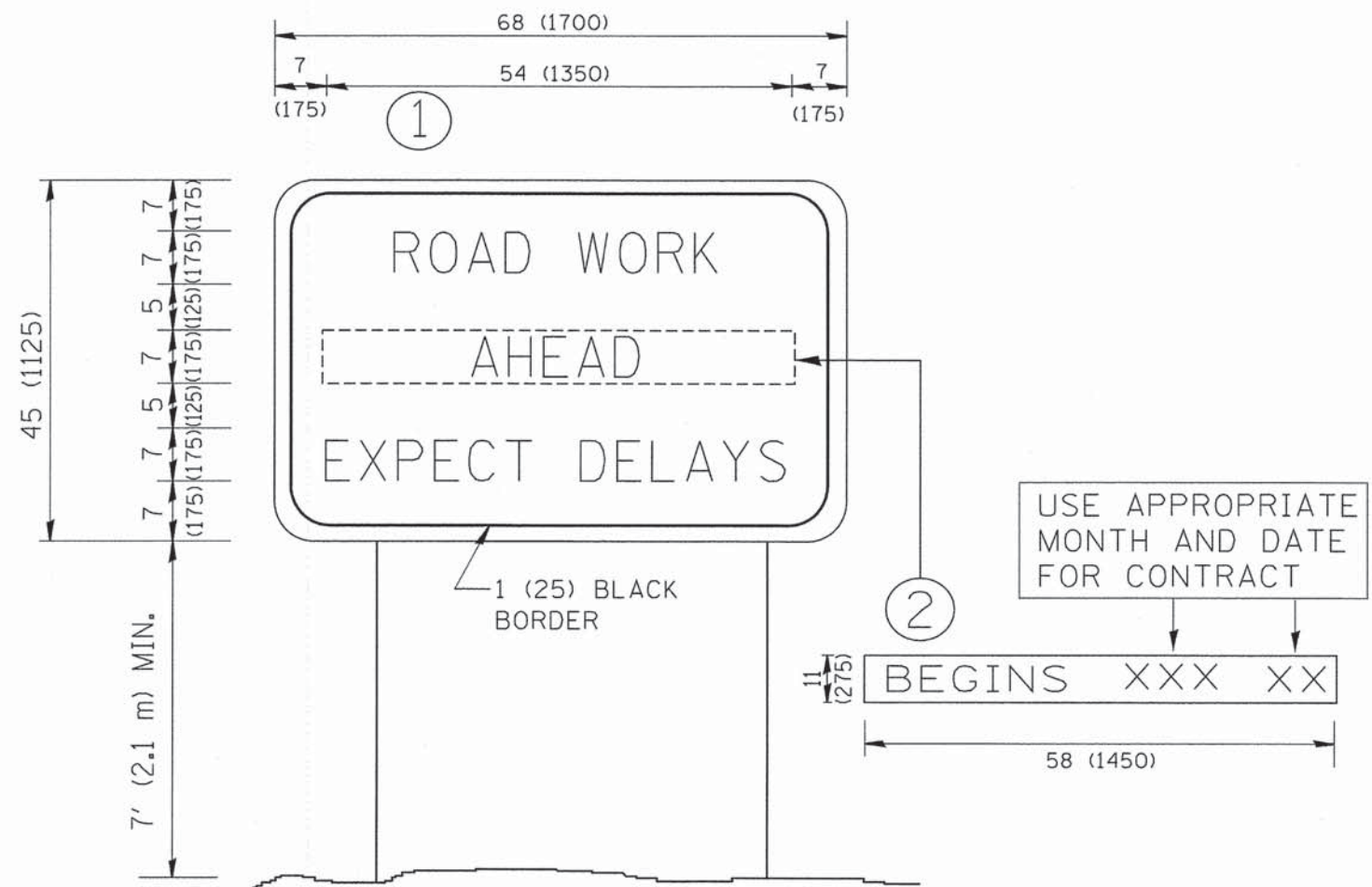
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

FILE NAME =	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
c:\pv_work\pvidot\drivakosgn\d0180315\to3.dgn		DRAWN -	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 50,000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS					18	16
SCALE: NONE		TC-13		CONTRACT NO. 61A98		
SHEET NO. 1 OF 1 SHEETS	STA. N/A TO STA. N/A	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



NOTES:

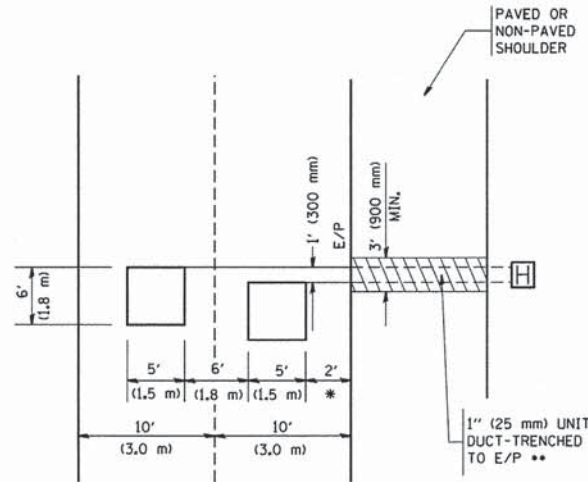
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

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

FILE NAME = W:\distate\22x34\to22.dgn	USER NAME = gegienobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,000' / IN.	DRAWN -	REVISED - R. MIRS 12-11-97						18	17
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 02-02-99			TC-22		CONTRACT NO. 61A98		
		DATE -	REVISED - C. JUCIUS 01-31-07			SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. N/A

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

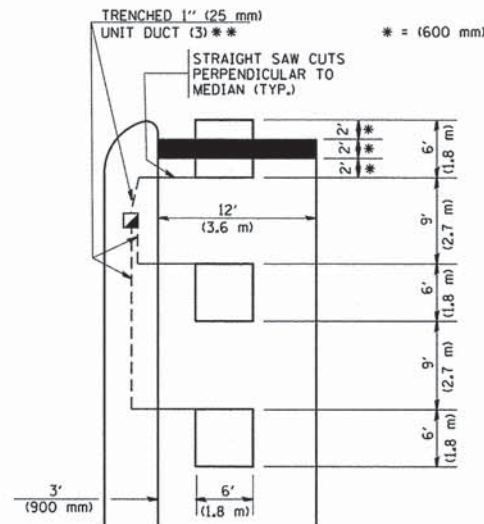


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**

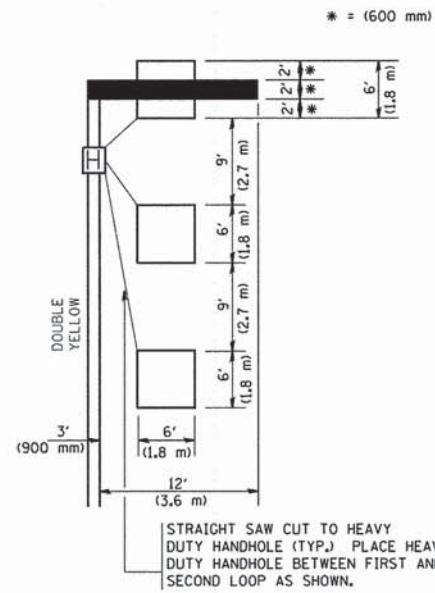
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

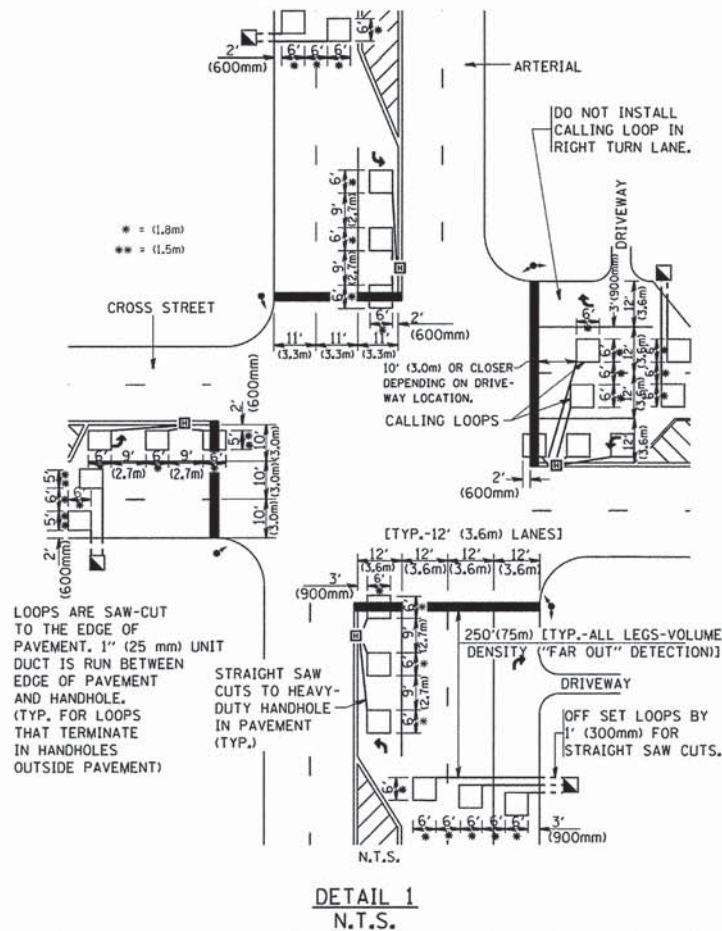
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**



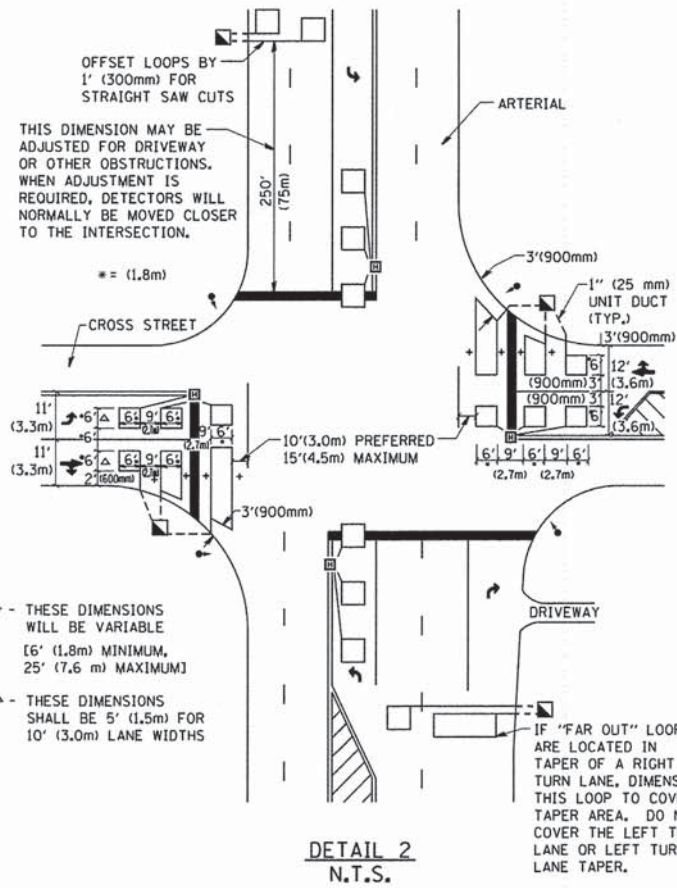
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



DETAIL 1
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = W:\distatd\22x34\ts07.dgn	USER NAME = gagianobt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 58.0000' / IN.	CHECKED - R.K.F.	REVISOR -	REVISION -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A	TS-07		18	18
PLOT DATE = 1/4/2008	DATE -	REVISOR -	REVISION -					FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT		CONTRACT NO. 61A98		