

03-10-2023 LETTING ITEM 082

FOR LIST OF STATE STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA

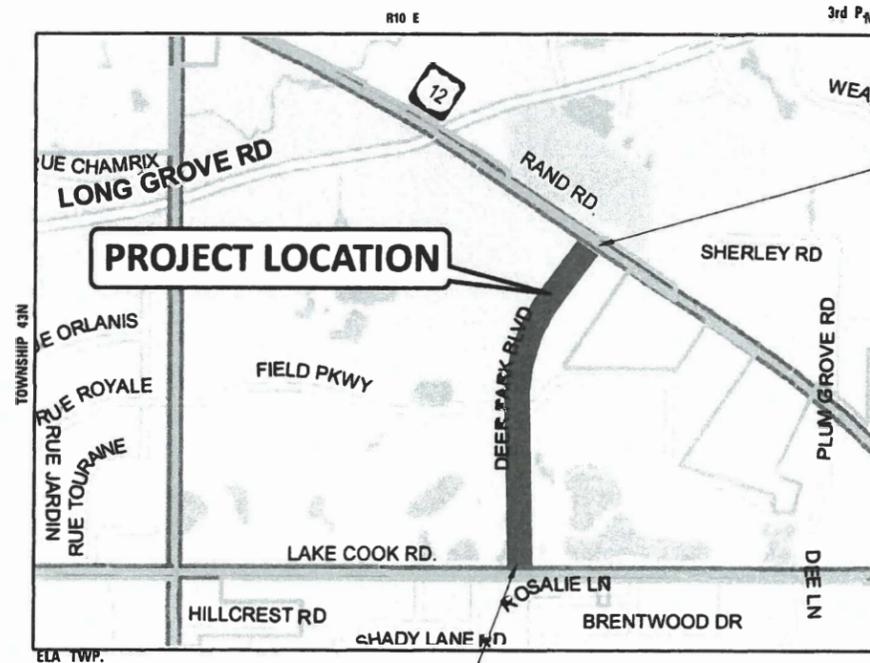
DEER PARK BOULEVARD
ADT (YEAR) = 4300 (2019)
POSTED SPEED LIMIT = 30 MPH

DESIGN DESIGNATION:
MINOR COLLECTOR

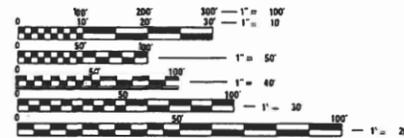
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

MUN ROUTE 0015 (DEER PARK BLVD.)
RAND RD. TO LAKE COOK RD.
LAFO RESURFACING
SECTION NO. 22-00018-00-RS
PROJECT NO. PU 04 (552)
LAKE COUNTY
C-91-080-23

FAU	SECTION	COUNTY	TOTAL SHEETS
0015	22-00018-00-RS	LAKE	33
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	



PROJECT IS LOCATED IN THE VILLAGE OF DEER PARK



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
8-1-1 OR 1-800-892-0123

LOCATION MAP

DEER PARK BLVD.
GROSS LENGTH OF PROJECT = 2,745.61 LINEAL FEET (0.52 MILES)
NET LENGTH OF PROJECT = 2,745.61 LINEAL FEET (0.52 MILES)

C B B CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018 (847) 823-0500

PROFESSIONAL DESIGN FIRM NO. 184-001175
EXPIRATION DATE: 04/30/23

CONTRACT NO. 61J06



 ENGINEER Lee M. Fell DATE 1/5/23
 LEE M. FELL
 ILLINOIS REGISTRATION No. 062-053708
 EXPIRATION DATE: 11/30/2023

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OF THE STATE OF ILLINOIS

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAMBOURG, ILLINOIS

Index of Sheets

1	COVER SHEET
2	GENERAL NOTES AND HIGHWAY STANDARDS
3-6	SUMMARY OF QUANTITIES
7	TYPICAL SECTIONS
8-12	EXISTING CONDITIONS AND REMOVAL PLANS
13-17	PROPOSED RESURFACING PLAN
18-22	PAVEMENT MARKING PLAN
23-25	SIGNAL PLANS
26	CONSTRUCTION DETAILS
27-33	IDOT D-1 DETAILS

Highway Standards

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS D PATCHES
604001-05	FRAMES AND LIDS TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-RD. OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS LESS THAN OR EQUAL TO 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT

District One Details

BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

GENERAL NOTES

THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2022; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2023; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JUNE 2014 SEVENTH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT HIGHWAY STANDARD.

CODES OF THE IEPA TITLE 35, AND O. S. H. A. SHALL BE ADHERED TO FOR THE CONSTRUCTION OF THIS PROJECT.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS.

ALL REQUIRED PERMITS FROM THE PROPER GOVERNING AGENCY SHALL BE OBTAINED FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHEETING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE AGENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC.

UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITY FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE COVERED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 8-1-1 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE.

THE CONTRACTOR SHALL CONTACT IDOT'S BUREAU OF MATERIALS (PHONE 847-705-4337) AT LEAST 24 HOURS BEFORE PLACING HOT-MIX ASPHALT OR PORTLAND CEMENT CONCRETE.

ADJUSTMENTS WITH MILLING AND GENERAL ADJUSTMENTS: UNLESS NOTED ON THE PLANS OR IN FIELD, ALL ADJUSTMENTS SHALL USE EXISTING FRAME & LID.

CONTRACTOR SHALL POUR NEW CONCRETE BENCH ON ALL STRUCTURES NOTED IN THE PLANS OR BY THE ENGINEER IN THE FIELD.

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.

ALL SAWCUTTING SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.

COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, SIDEWALK REMOVAL AND REPLACEMENT, DRIVEWAY REMOVAL AND REPLACEMENT, AND STRUCTURES TO BE ADJUSTED WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASIS ON WHICH THEY ARE TO BE PLACED.

DETECTABLE WARNINGS SHALL BE INSTALLED AT INTERSECTING STREETS, DRIVEWAYS, AND ALLEYS AS SHOWN ON THE PLANS.

PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.

CONTRACTOR SHALL NOT PLACE SOD UNTIL THE TEMPERATURE IS 80 OR LESS AND THE FORECAST FOR THE NEXT 7 DAYS SHOWS TEMPERATURES OF 80 OR LESS. IF ALL OTHER PAY ITEMS ARE COMPLETED, THE CONTRACTOR WILL NOT BE CHARGED WORKING DAYS FOR DELAYS IN PARKWAY RESTORATION DUE TO TEMPERATURE.

NO CONSTRUCTION SHALL BEGIN UNTIL ALL PROPER TEMPORARY SIGNS AND BARRICADES HAVE BEEN INSTALLED.

CONCRETE FILL BETWEEN NEW CURB AND GUTTER AND EXISTING PAVEMENT: FILLING THE GAP BETWEEN THE EXISTING PAVEMENT AND PROPOSED CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 606001.

ALL DETECTABLE WARNING TACTILES SHALL BE FIELD VERIFIED AND THE SIZE TO BE DETERMINED BY THE CONTRACTOR PRIOR TO ORDERING.

PAVING OF THE FULL ROADWAY WIDTH SHALL BE COMPLETED AT THE END OF EACH DAY OF PAVING TO PREVENT A LONGITUDINAL COLD JOINT FROM APPEARING WHEN OPPOSITE SIDES OF THE ROAD ARE PAVED ON DIFFERENT DAYS. THE CONTRACTOR SHALL ALSO ENSURE THAT AT THE END OF EACH DAY EACH PASS ENDS AT APPROXIMATELY THE SAME STATION TO PREVENT A COLD JOINT.

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Default	PLOT SCALE = 48"	CHECKED -	REVISED -			CONTRACT NO. 61J06				
	PLOT DATE = 1/13/2023	DATE -	REVISED -			SCALE: NTS	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	ITEM NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE 0005 (80% FEDERAL / 20% LOCAL)	CONSTRUCTION TYPE CODE 0042 (80% FEDERAL / 20% LOCAL)
		20101100	TREE TRUNK PROTECTION	EACH	10	-
		20101200	TREE ROOT PRUNING	EACH	10	-
~		20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10	-
	*	20800150	TRENCH BACKFILL, SPECIAL	CU YD	75	-
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	445	-
		25000110	SEEDING, CLASS 1A	SQ YD	445	-
		25100630	EROSION CONTROL BLANKET	SQ YD	445	-
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	15	-
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	105	-
		40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	765	-
		40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1530	-
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	11600	-
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	1070	-
		42400800	DETECTABLE WARNINGS	SQ FT	110	-
		44000100	PAVEMENT REMOVAL	SQ YD	86	-
		44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	17320	-
~ INDICATES SPECIALTY ITEM * INDICATES SPECIAL PROVISION						

SUMMARY OF QUANTITIES (cont.)

SPECIALTY ITEM	SPECIAL PROVISION	ITEM NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE 0005 (80% FEDERAL / 20% LOCAL)	CONSTRUCTION TYPE CODE 0042 (80% FEDERAL / 20% LOCAL)
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	175	-
		44000600	SIDEWALK REMOVAL	SQ FT	1070	-
		44000500	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	FOOT	1100	-
		44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	215	-
		44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	215	-
		44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	215	-
		44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	215	-
	*	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	100	-
		60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	5	-
		60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	3	-
		60300105	FRAMES AND LIDS TO BE ADJUSTED	EACH	22	-
	*	60400105	FRAMES, TYPE 1	EACH	1	-
		60404800	FRAMES AND GRATES, TYPE 11	EACH	1	-
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1100	-
		67100100	MOBILIZATION	LSUM	1	-
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	-

~ INDICATES SPECIALTY ITEM
* INDICATES SPECIAL PROVISION

SUMMARY OF QUANTITIES (cont.)

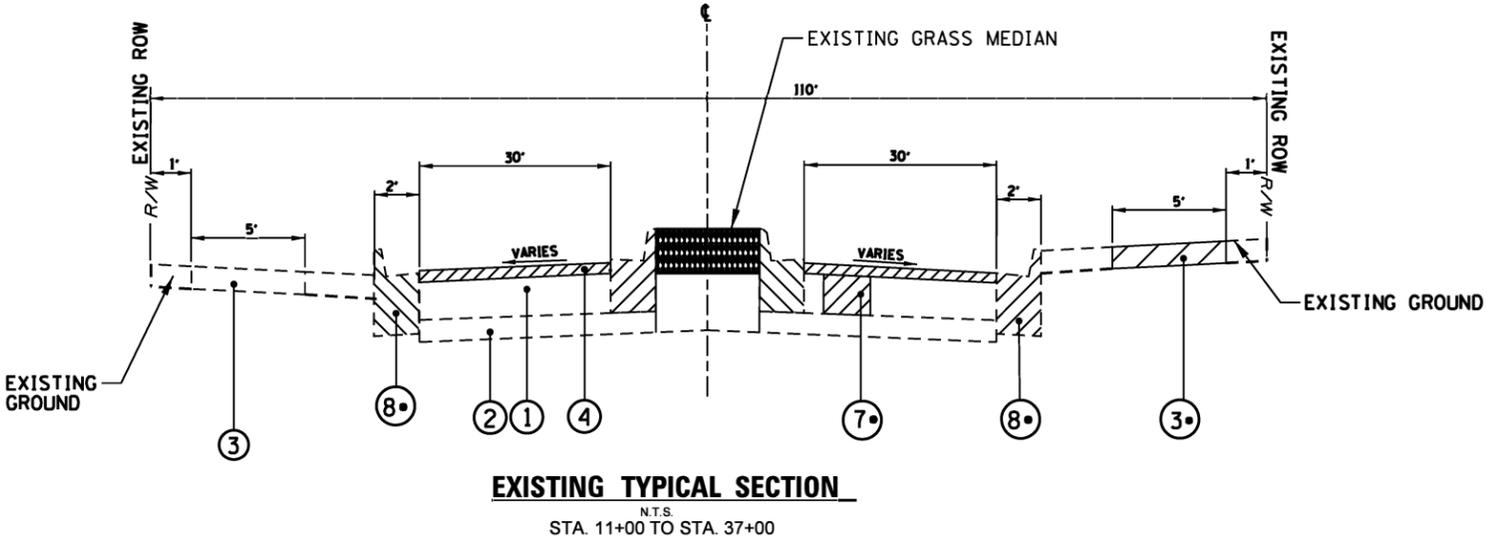
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		70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1	-
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	-
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	-
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	275	-
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	95	-
		70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	775	-
		70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	250	-
~		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	FOOT	620	-
~		78000200	THERMOPLASTIC PAVEMENT MARKING - 4"	FOOT	4465	-
~		78000400	THERMOPLASTIC PAVEMENT MARKING - 6"	FOOT	2350	-
~		78000500	THERMOPLASTIC PAVEMENT MARKING - 8"	FOOT	490	-
~		78000600	THERMOPLASTIC PAVEMENT MARKING - 12"	FOOT	165	-
~		78000650	THERMOPLASTIC PAVEMENT MARKING - 24"	FOOT	250	-
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	FOOT	225	-
~		85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	-

~ INDICATES SPECIALTY ITEM
* INDICATES SPECIAL PROVISION

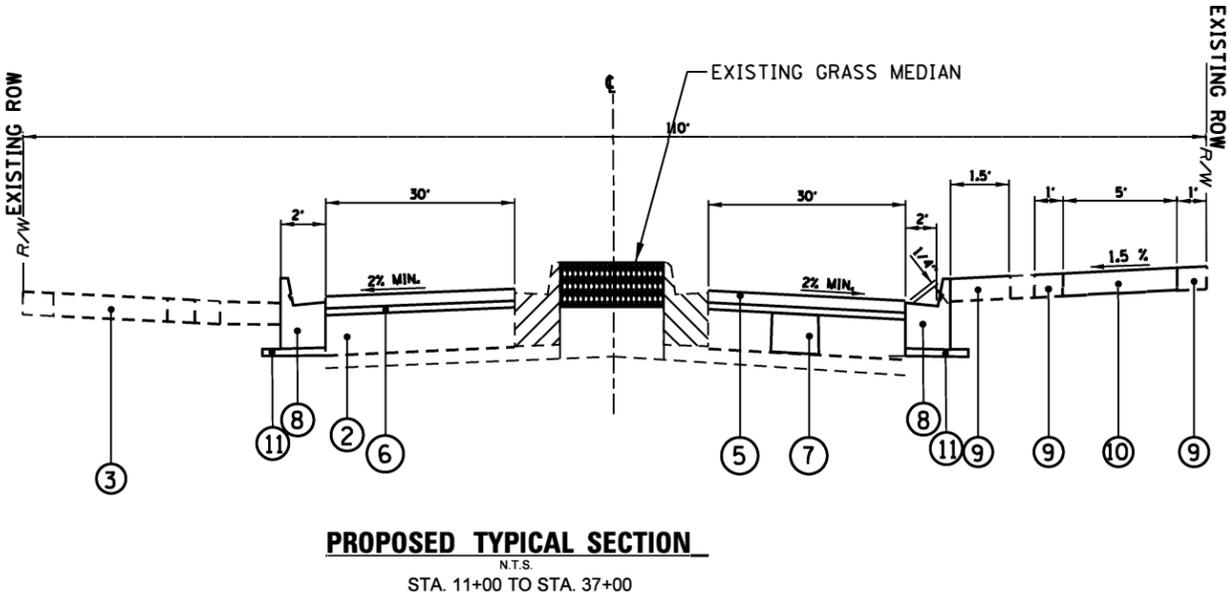
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
RESURFACING ITEM	VOIDS	OMP
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 1.5"	4% @ 50 GYR.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 0.75"	3.5% @ 50 GYR.	LR 1030-2
PATCHING ITEM		
CLASS D PATCHES, 8 INCH (HMA BINDER COURSE, IL-19.0)	4% @ 70 GYR.	LR 1030-2
HMA DRIVEWAY 7 INCH	VOIDS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) - 2"	4% @ 50 GYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 5"	4% @ 50 GYR.	LR 1030-2
OMP DESIGNATION IS QUALITY CONTROL/QUALITY ASSURANCE (OC/OA) PER LR 1030-2.		

NOTES:

- PAVEMENT SHALL BE PATCHED AFTER HMA SURFACE REMOVAL.
- 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 RECLAIMED MATERIAL SPECIFICATIONS.
- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE IS 112 LBS/SY/IN.



REMOVAL ITEMS



LEGEND

- ① EXISTING HOT-MIX ASPHALT PAVEMENT
 - ② EXISTING AGGREGATE SUBBASE
 - ③ EXISTING PCC SIDEWALK
 - ④ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 - ⑤ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 1.5"
 - ⑥ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 0.75"
 - ⑦ CLASS D PATCHES, 8 INCH
 - ⑧ CURB REMOVAL AND COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (AS DETERMINED BY ENGINEER IN FIELD)
 - ⑨ SEEDING, CLASS 1A
 - ⑩ PROPOSED PCC SIDEWALK 5 INCH REMOVAL AND REPLACEMENT (AS DETERMINED BY ENGINEER IN FIELD)
 - ⑪ SUBBASE GRANULAR MATERIAL, 4" (INCLUDED IN COST OF COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12)
- AT LOCATIONS AS DIRECTED BY THE ENGINEER

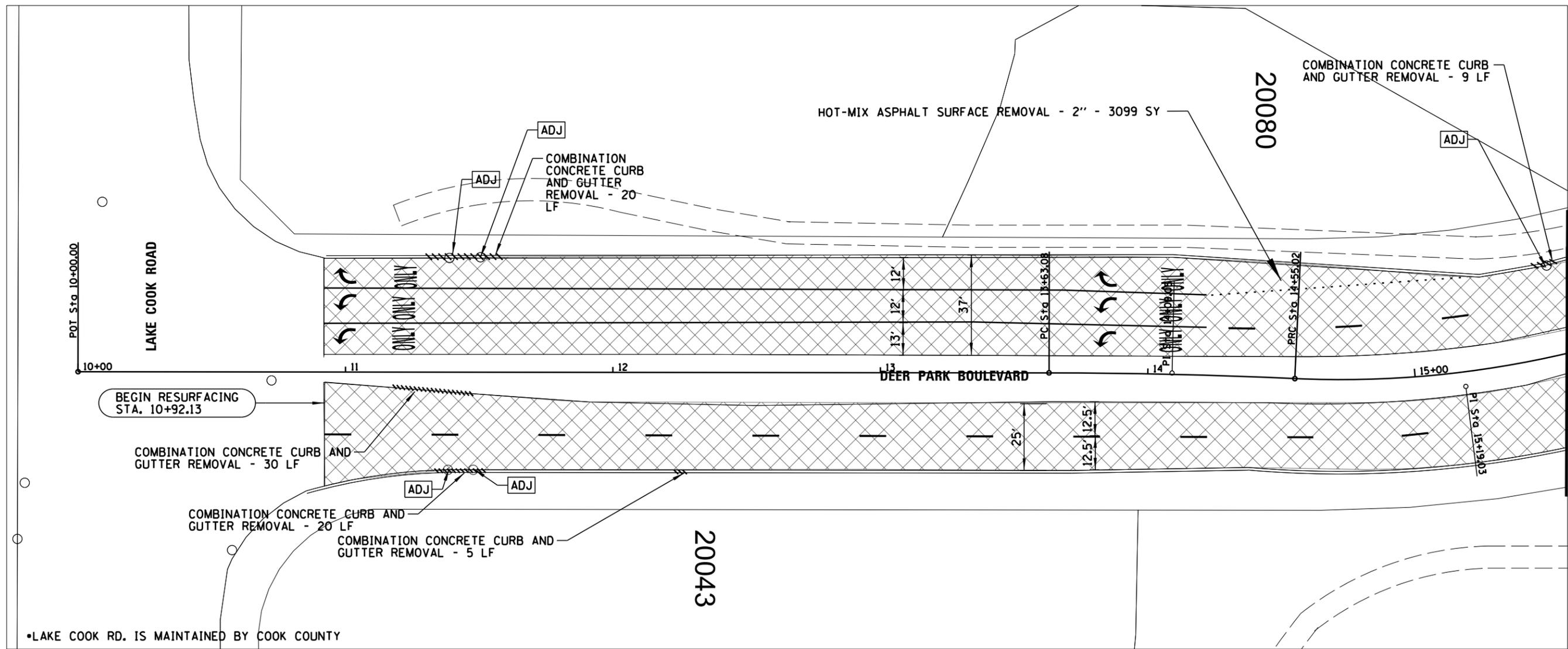
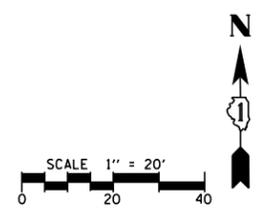
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-RS	LAKE	33	7
				CONTRACT NO. 61J06
ILLINOIS FED. AID PROJECT				



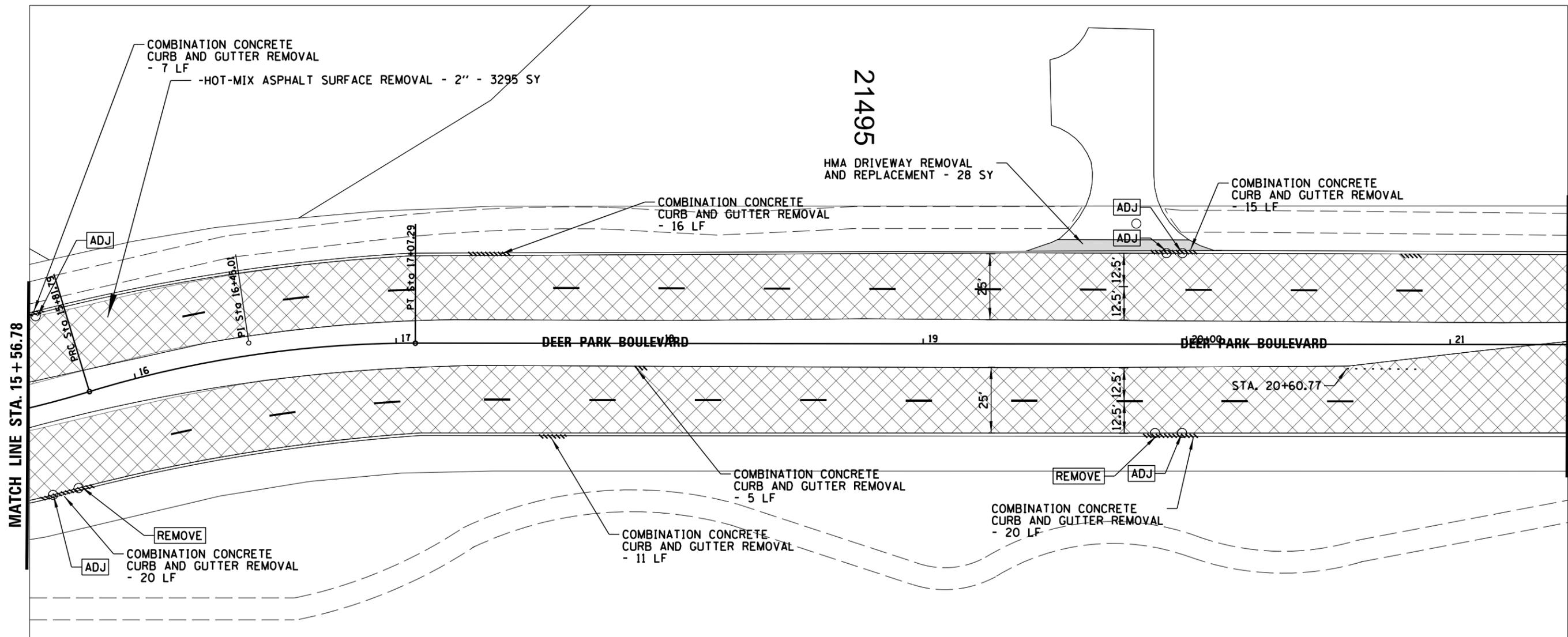
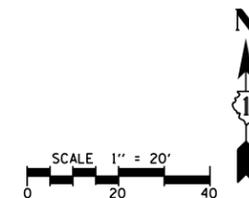
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEER PARK BLVD.
EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-R5	LAKE	33	8
CONTRACT NO. 61J06			ILLINOIS FED. AID PROJECT	



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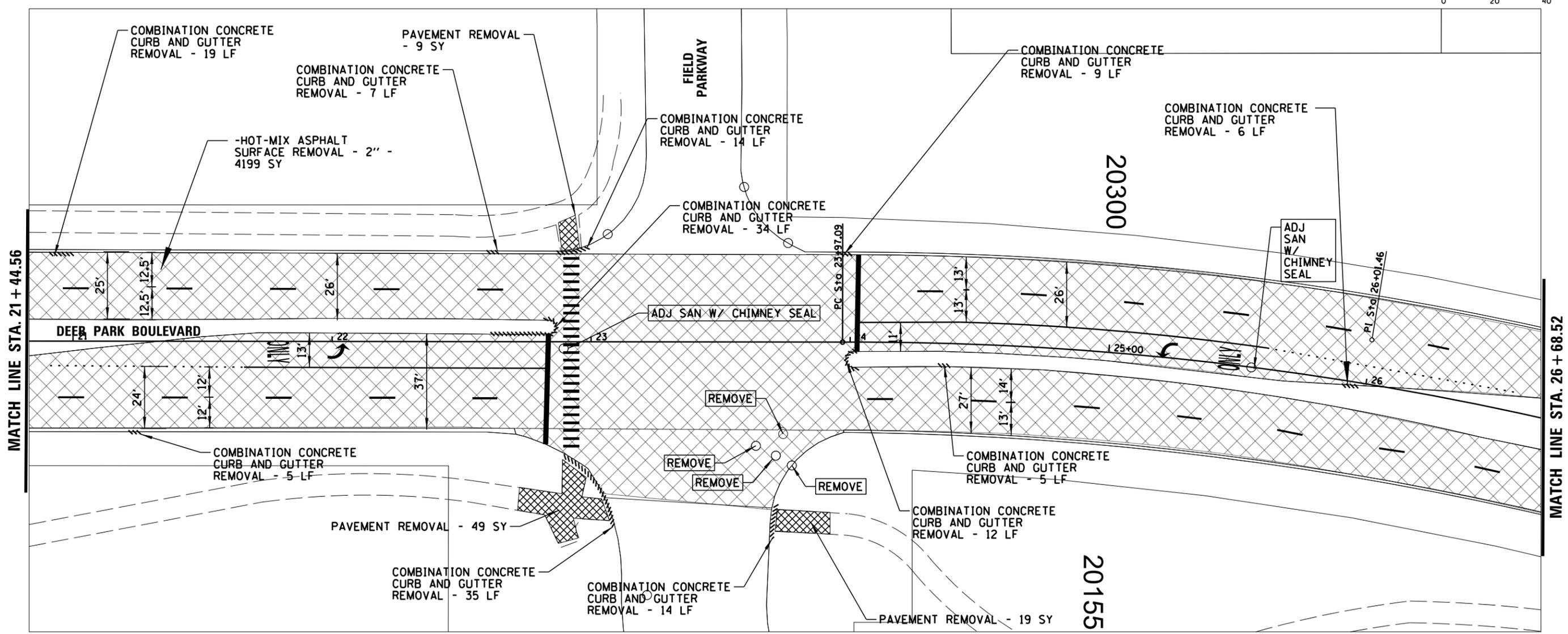
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DEER PARK BLVD. EXISTING CONDITIONS AND REMOVAL PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-R5	LAKE	33	9
CONTRACT NO. 61J06				
ILLINOIS FED. AID PROJECT				



SCALE 1" = 20'
0 20 40

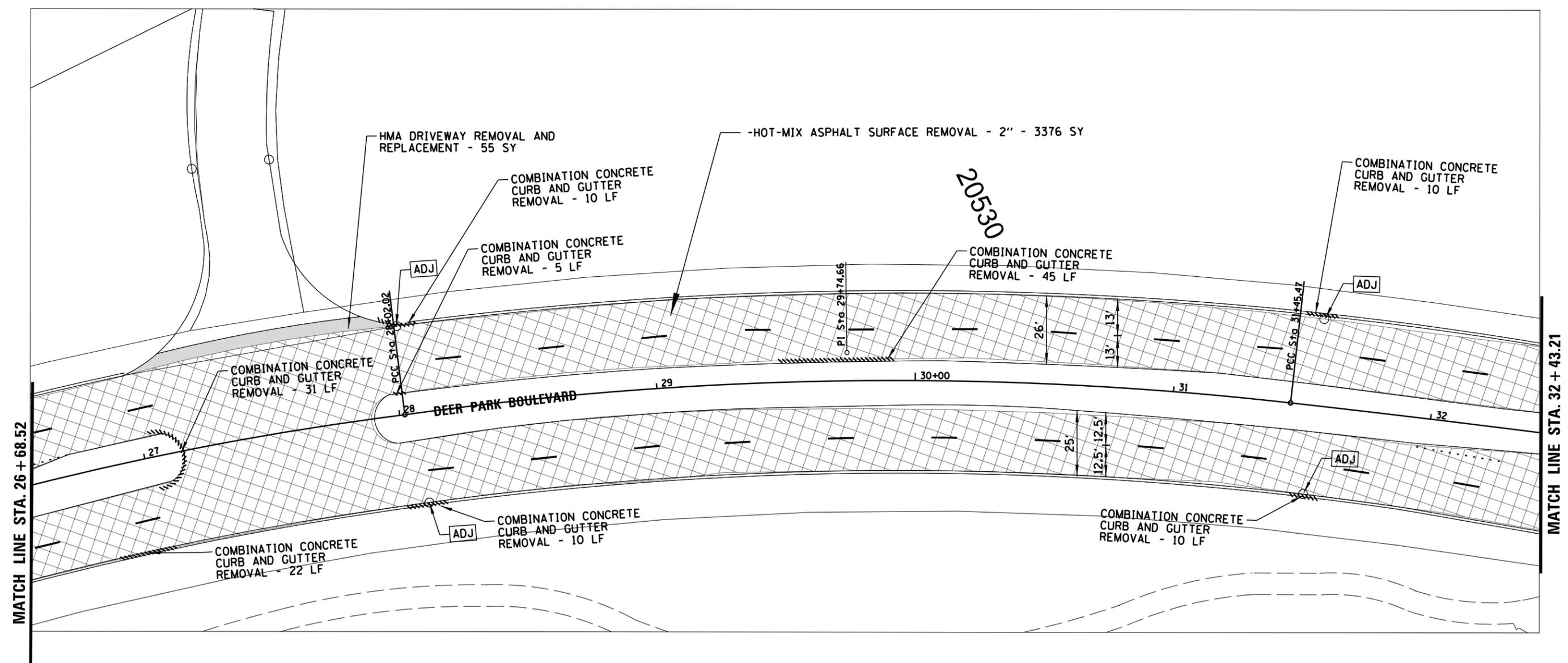
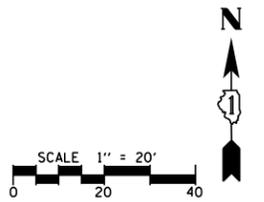


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DEER PARK BLVD. EXISTING CONDITIONS AND REMOVAL PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-R5	LAKE	33	10
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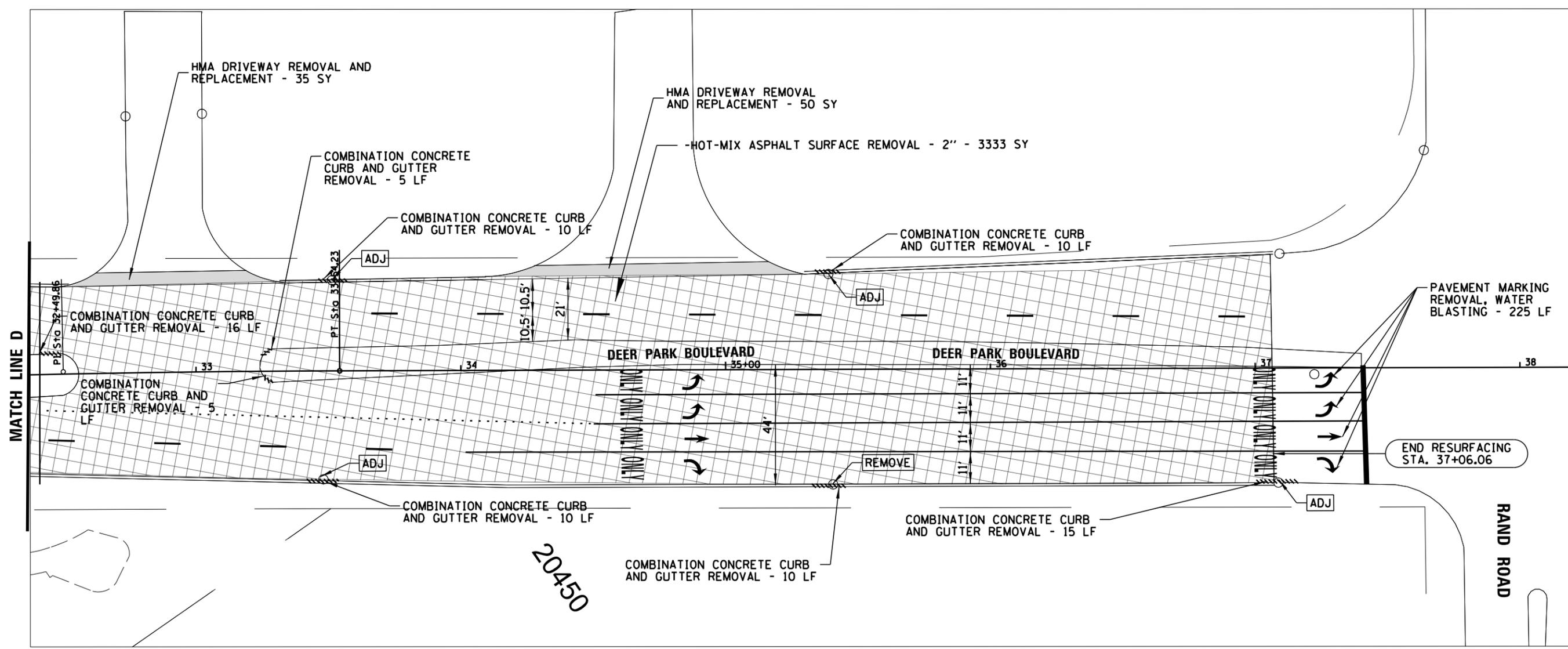
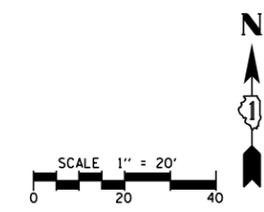


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DEER PARK BLVD. EXISTING CONDITIONS AND REMOVAL PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT				



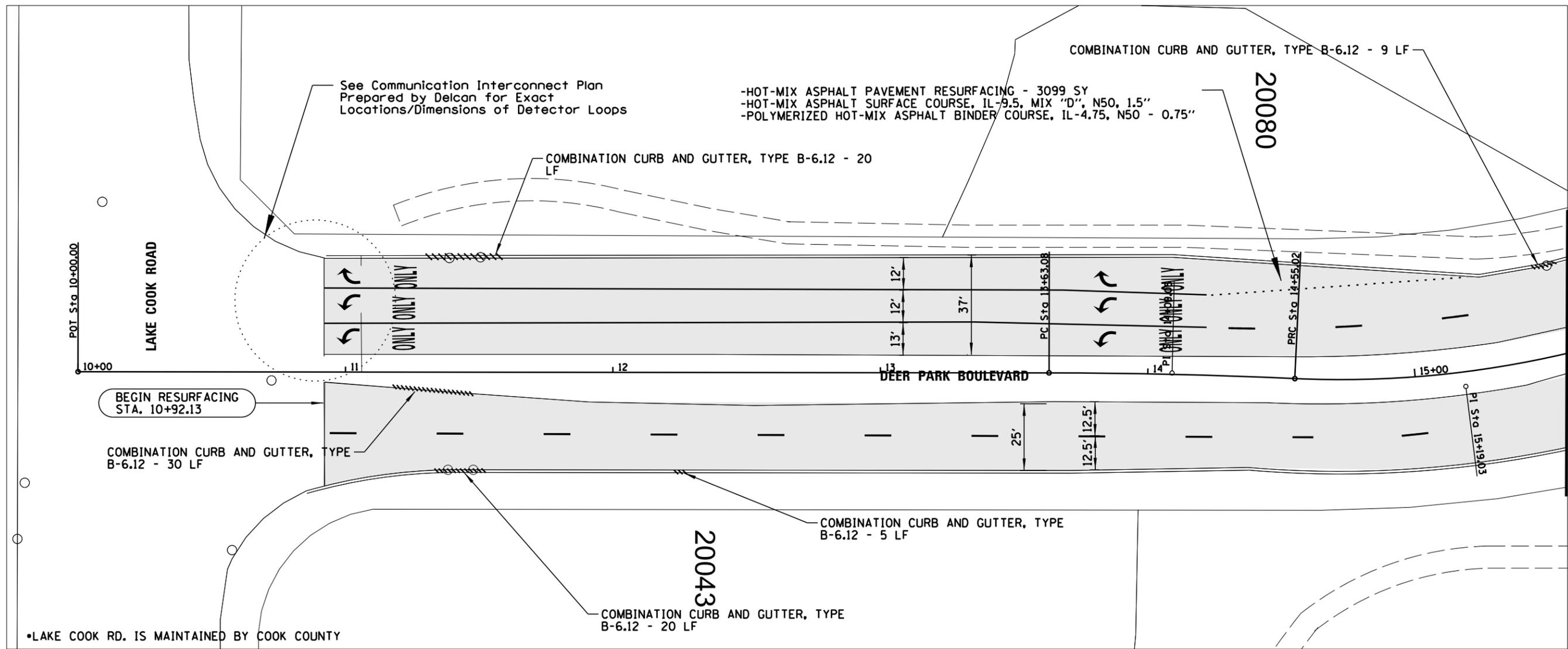
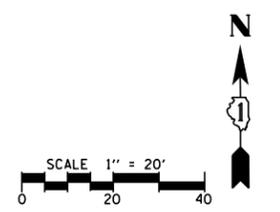
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	Checked	CHECKED LMF	REVISED -
	Date	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DEER PARK BLVD.
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-RS	LAKE	33	12
CONTRACT NO. 61J06				
ILLINOIS FED. AID PROJECT				



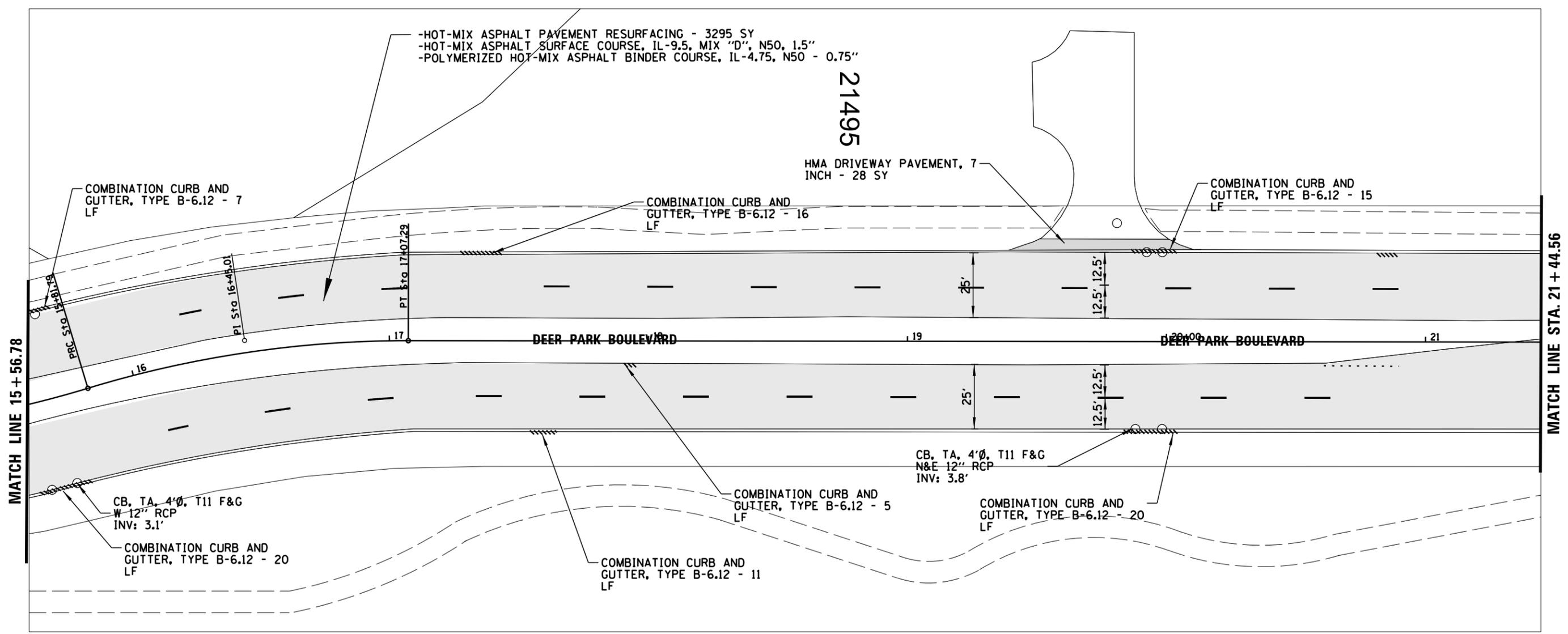
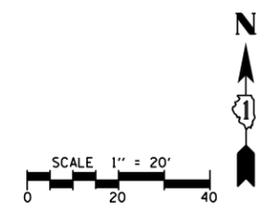
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	PLOT DATE = 1/3/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DEER PARK BLVD.
PROPOSED PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-R5	LAKE	33	13
CONTRACT NO. 61J06			ILLINOIS FED. AID PROJECT	



-HOT-MIX ASPHALT PAVEMENT RESURFACING - 3295 SY
 -HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1.5"
 -POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 0.75"

COMBINATION CURB AND GUTTER, TYPE B-6.12 - 7 LF

COMBINATION CURB AND GUTTER, TYPE B-6.12 - 16 LF

COMBINATION CURB AND GUTTER, TYPE B-6.12 - 15 LF

CB, TA, 4'Ø, T11 F&G
 N&E 12" RCP
 INV: 3.1'

COMBINATION CURB AND GUTTER, TYPE B-6.12 - 20 LF

COMBINATION CURB AND GUTTER, TYPE B-6.12 - 5 LF

COMBINATION CURB AND GUTTER, TYPE B-6.12 - 11 LF

CB, TA, 4'Ø, T11 F&G
 N&E 12" RCP
 INV: 3.8'

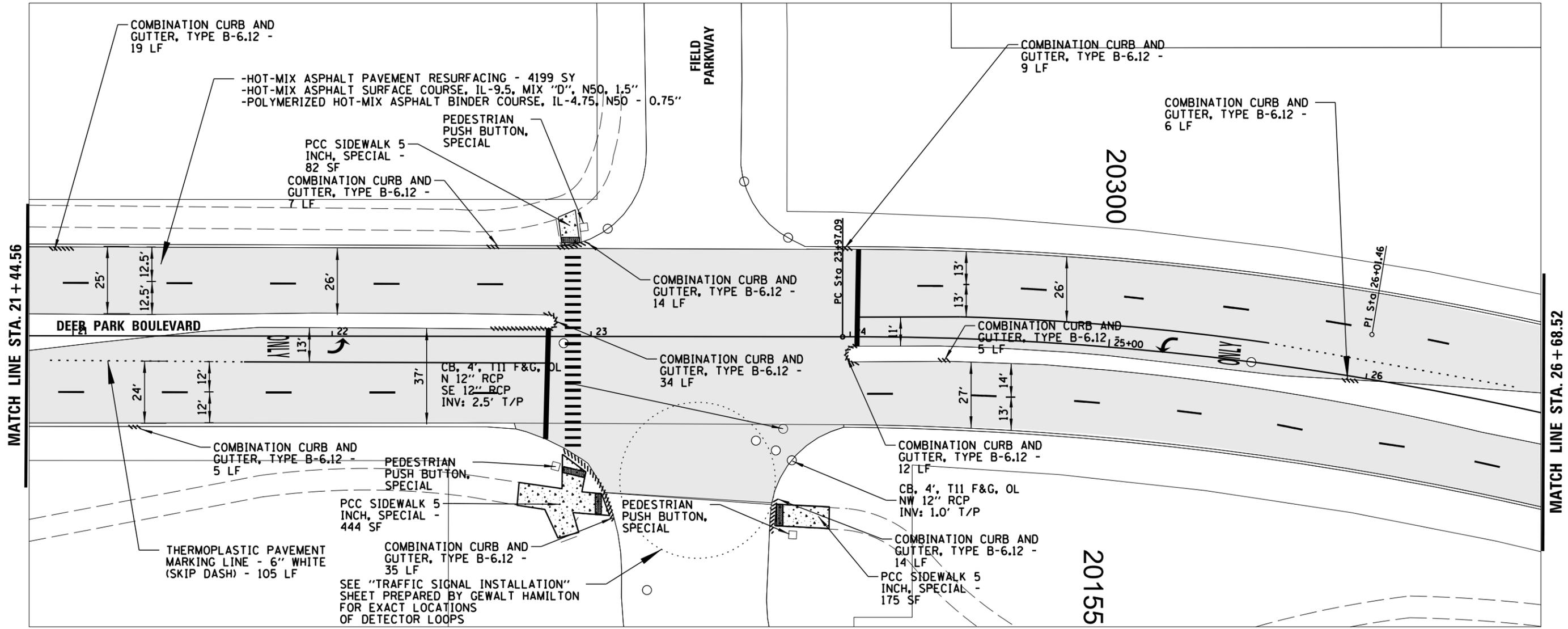
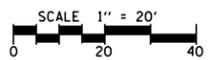
COMBINATION CURB AND GUTTER, TYPE B-6.12 - 20 LF

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEER PARK BLVD. PROPOSED PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-R5	LAKE	33	14
CONTRACT NO. 61J06				
ILLINOIS FED. AID PROJECT				

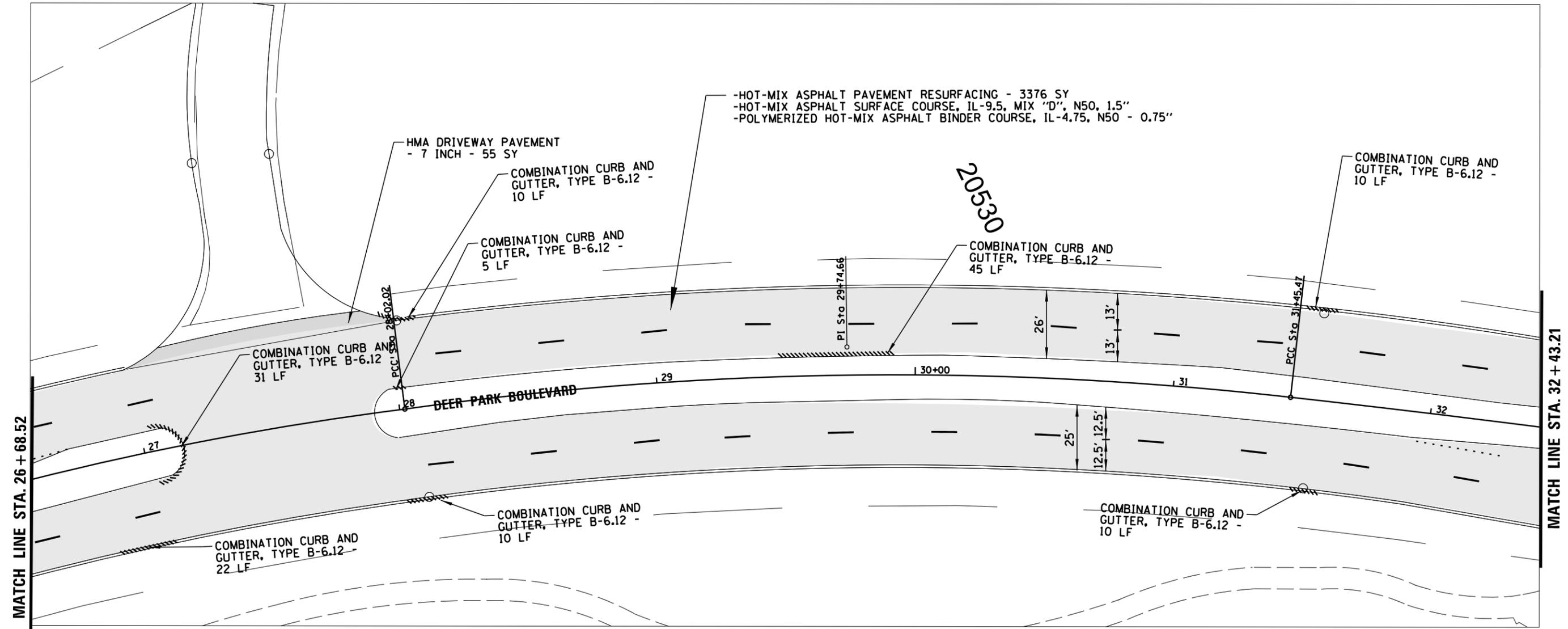
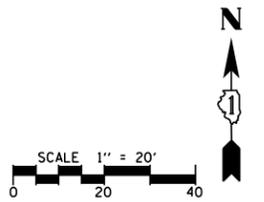


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DEER PARK BLVD.
PROPOSED PLAN**

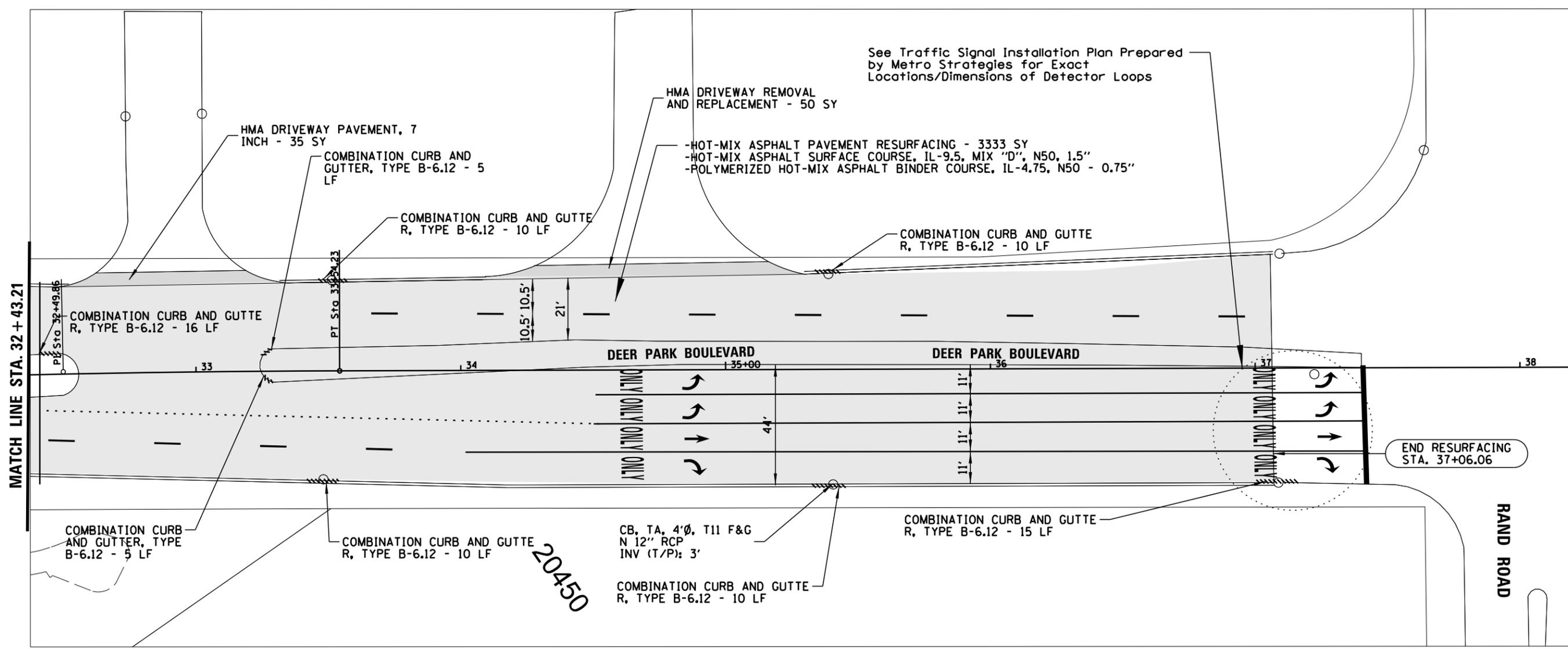
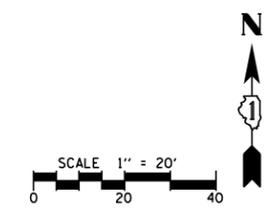
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-R5	LAKE	33	15
CONTRACT NO. 61J06				
ILLINOIS FED. AID PROJECT				

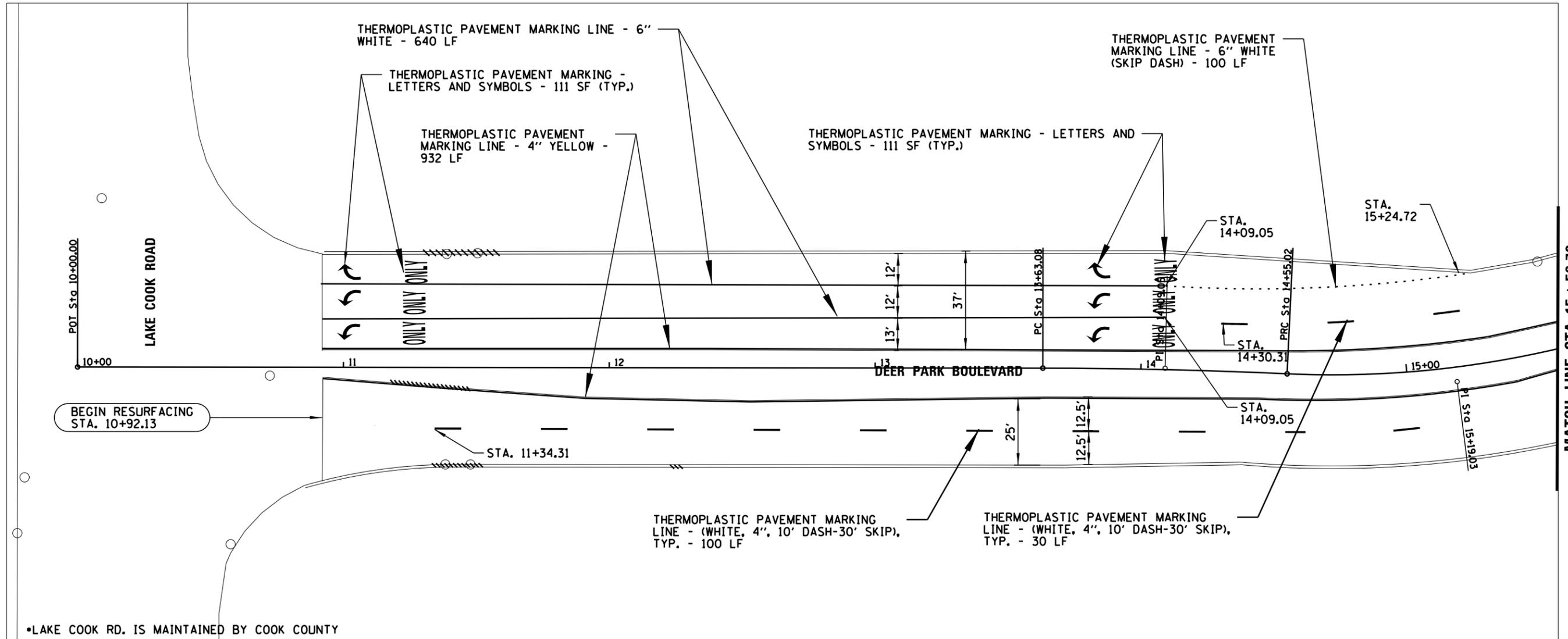
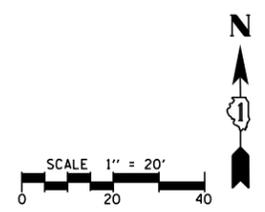


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N:\DEERPARK\160491\00062\Civil\09-Pro-Deer Park Blvd.dgn	DRAWN JEH	REVISED -	0015			22-00018-00-RS	LAKE	33	16		
Default	PLOT SCALE = 40'	CHECKED LMF	REVISED -			CONTRACT NO. 61J06					
	PLOT DATE = 1/3/2023	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO

ILLINOIS FED. AID PROJECT



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		DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



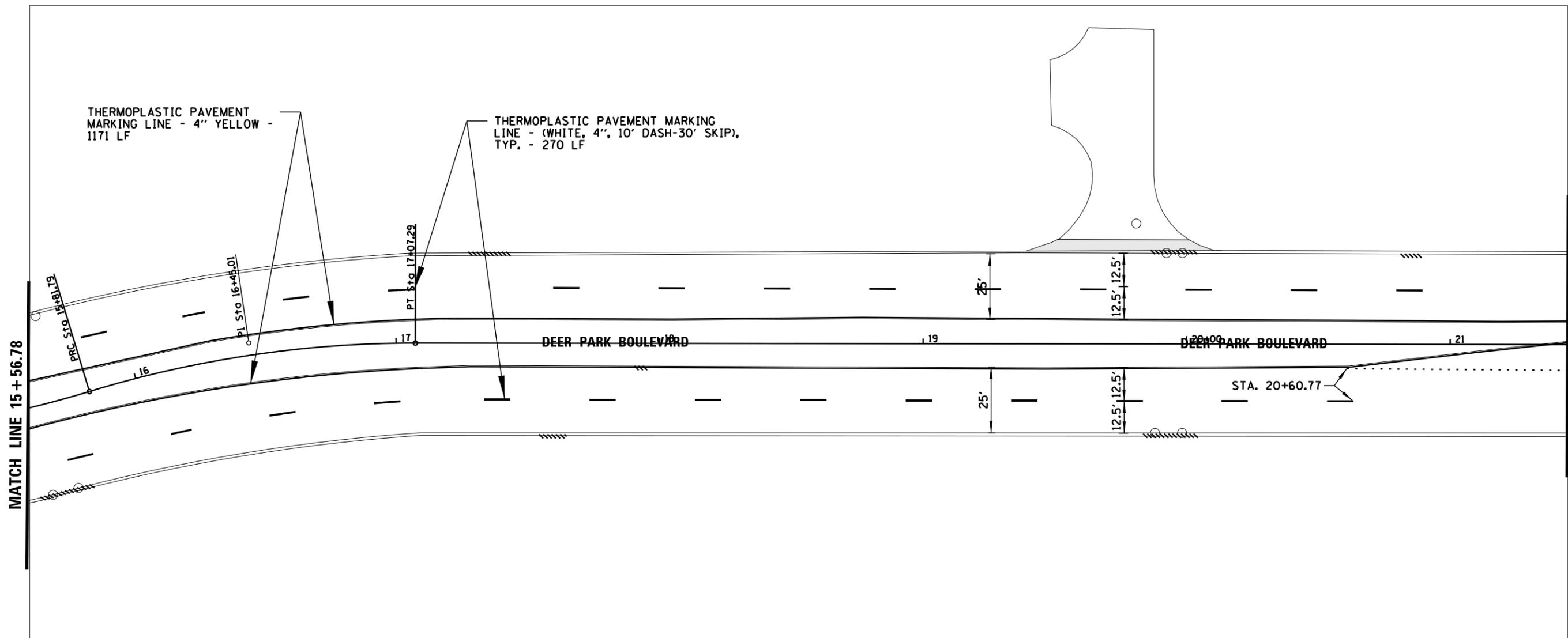
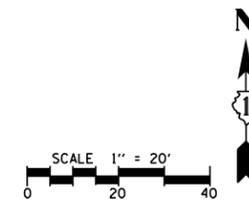
•LAKE COOK RD. IS MAINTAINED BY COOK COUNTY

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	PLOT DATE = 1/3/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DEER PARK BLVD. PAVEMENT MARKINGS PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-R5	LAKE	33	18
CONTRACT NO. 61J06				
ILLINOIS FED. AID PROJECT				



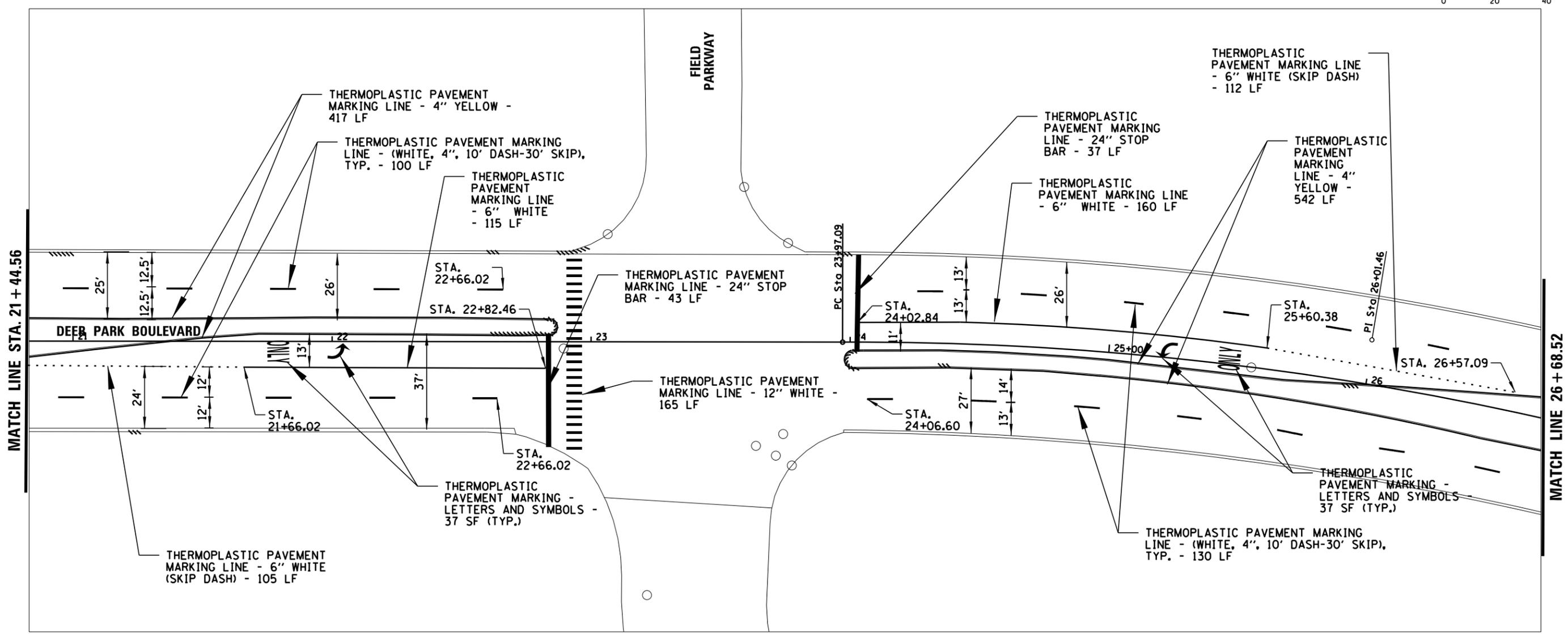
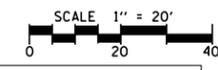
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	PLOT DATE = 1/3/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DEER PARK BLVD.
PAVEMENT MARKINGS PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-R5	LAKE	33	19
CONTRACT NO. 61J06			ILLINOIS FED. AID PROJECT	

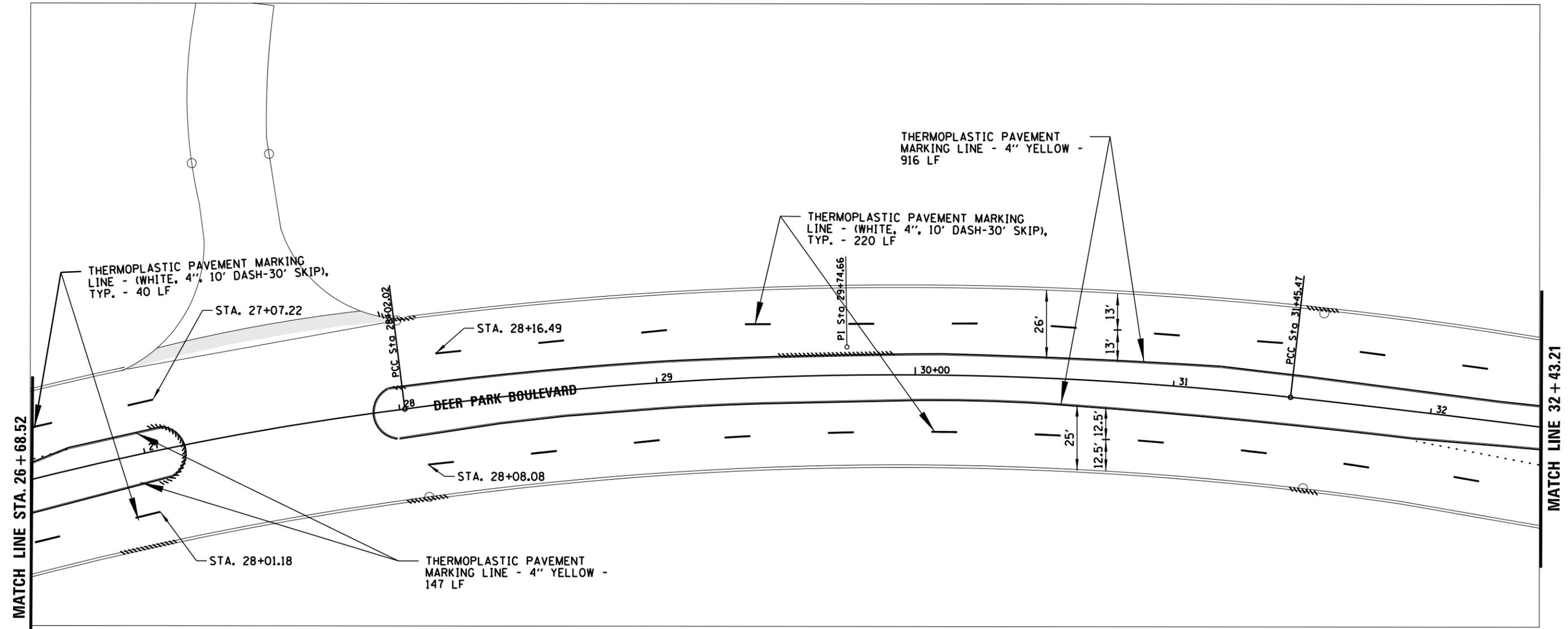
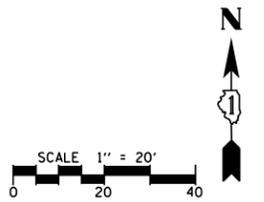


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	PLOT DATE = 1/3/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DEER PARK BLVD. PAVEMENT MARKINGS PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-R5	LAKE	33	20
CONTRACT NO. 61J06				
ILLINOIS FED. AID PROJECT				



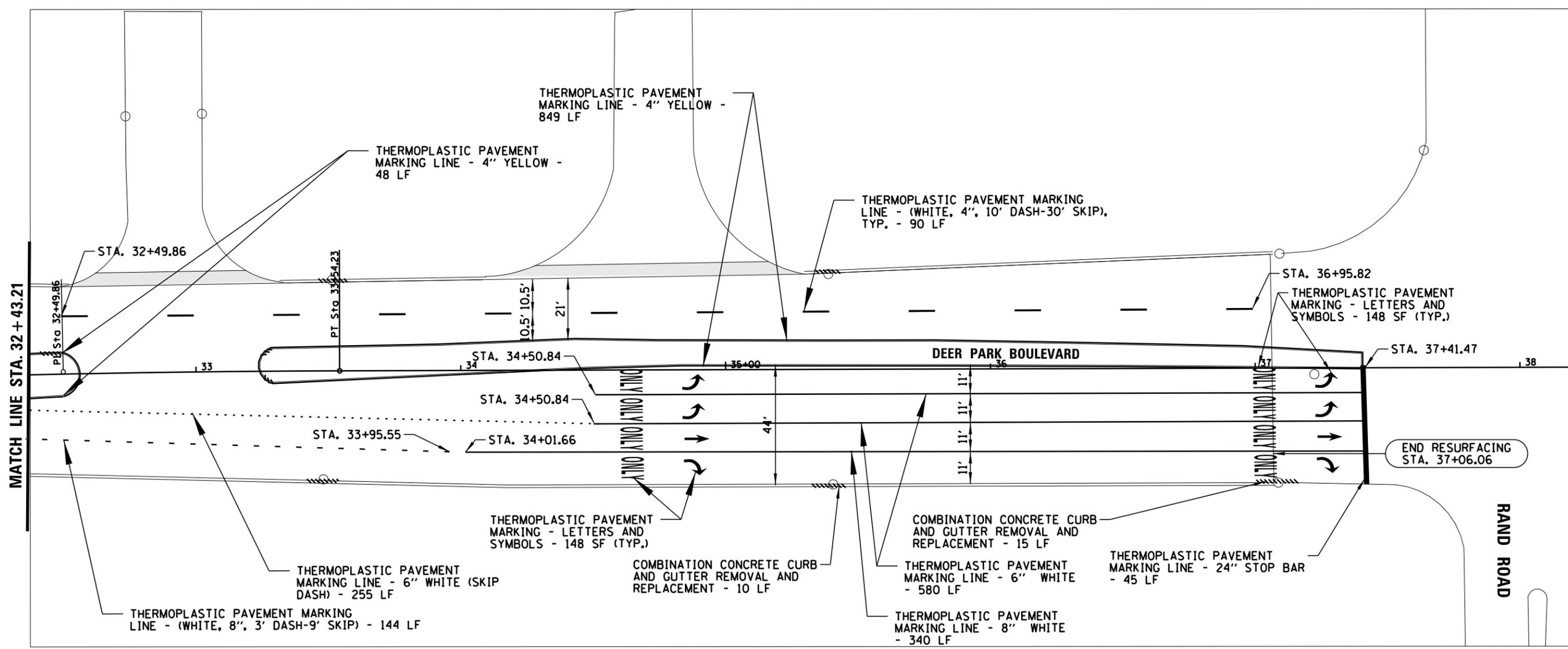
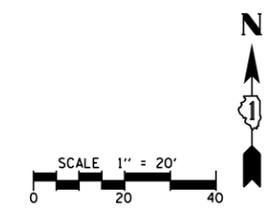
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	PLOT DATE = 1/3/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DEER PARK BLVD.
PAVEMENT MARKINGS PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-RS	LAKE	33	21
CONTRACT NO. 61J06				
ILLINOIS FED. AID PROJECT				



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	PLOT DATE = 1/3/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DEER PARK BLVD. PAVEMENT MARKINGS PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-RS	LAKE	33	22
CONTRACT NO. 61J06			ILLINOIS FED. AID PROJECT	

PAY ITEM	UNIT	TOTAL QUANTITY
SPLICE FIBER OPTIC CABLE IN CABINET	EACH	12

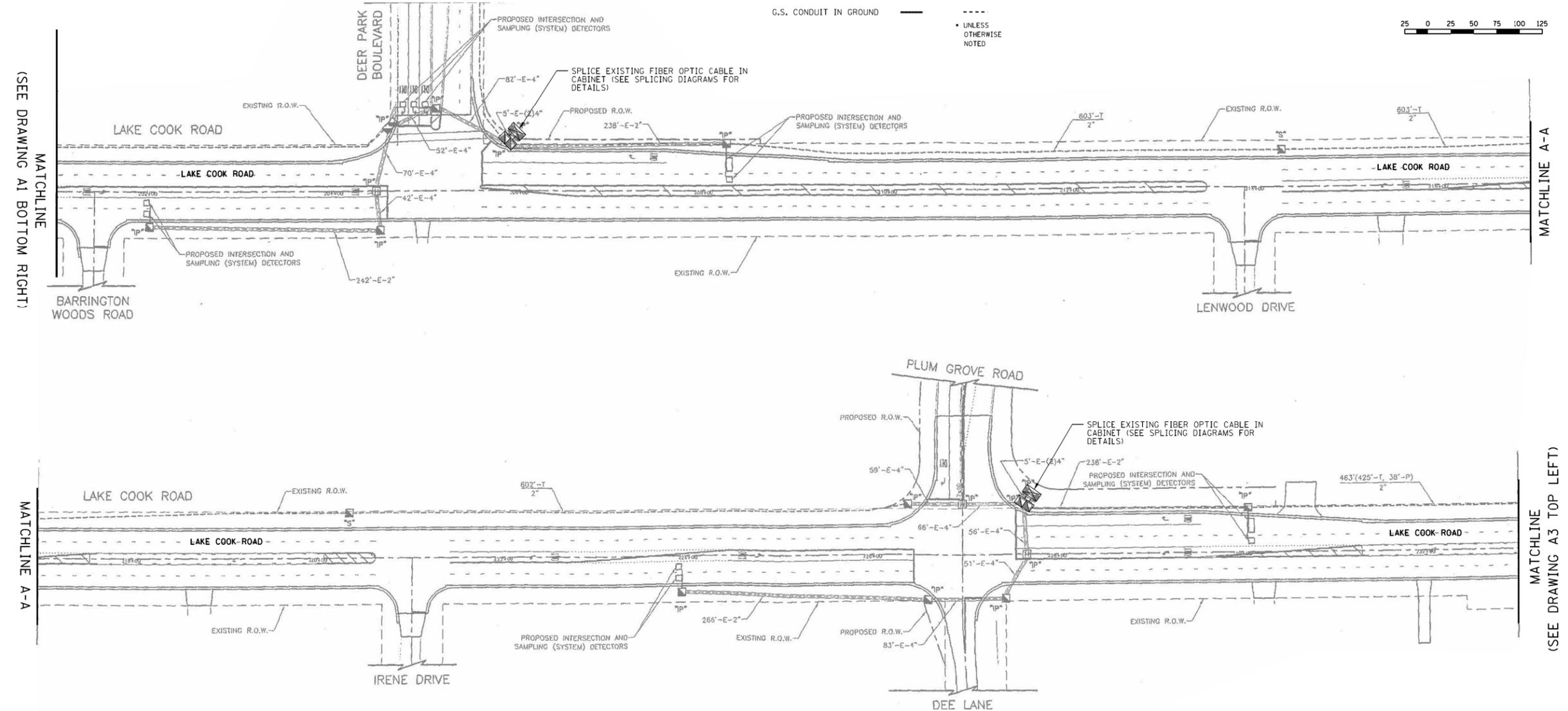
* THIS SHEET IS FOR INFORMATIONAL PURPOSES ONLY FOR DETECTOR LOOP REPLACEMENT *

INTERCONNECT PLAN LEGEND

	EXISTING	PROPOSED*
CABINET		
HANDHOLE		
DOUBLE HANDHOLE		
HEAVY-DUTY HANDHOLE		
JUNCTION BOX		
G.S. CONDUIT IN GROUND		

* UNLESS OTHERWISE NOTED

- ① PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F, SM12F
- ② TERMINATE FIBERS AT DISTRIBUTION ENCLOSURE IN CABINET
- ③ PROPOSED ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C
- ④ SPLICE FIBERS IN CABINET
- ⑤ EXISTING 12F MM FIBER OPTIC AND TRACER CABLES TO REMAIN
- ⑥ REMOVE COPPER INTERCONNECT CABLE FROM CONDUIT
- ⑦ COIL 40' OF FIBER OPTIC CABLE SLACK IN DOUBLE HANDHOLE



DESIGNED BY:



CLIENT:



NO.	DATE	FILE NAME

DESIGN BY:	DG
DRAWN BY:	DI
CHECKED BY:	JM
SCALE:	APPROX. 1"=50'
DATE:	1/25/2008

TITLE: LAKE COUNTY ATMS PHASE II DESIGN
COMMUNICATION INTERCONNECT
LAKE COOK ROAD
QUENTIN ROAD TO US 41 (SKOKIE HWY) (SHEET 2 OF 23)

PROJECT NO.	02-00268-06-TL
SHEET NO.	12 OF 348
DRAWING NO.	A2

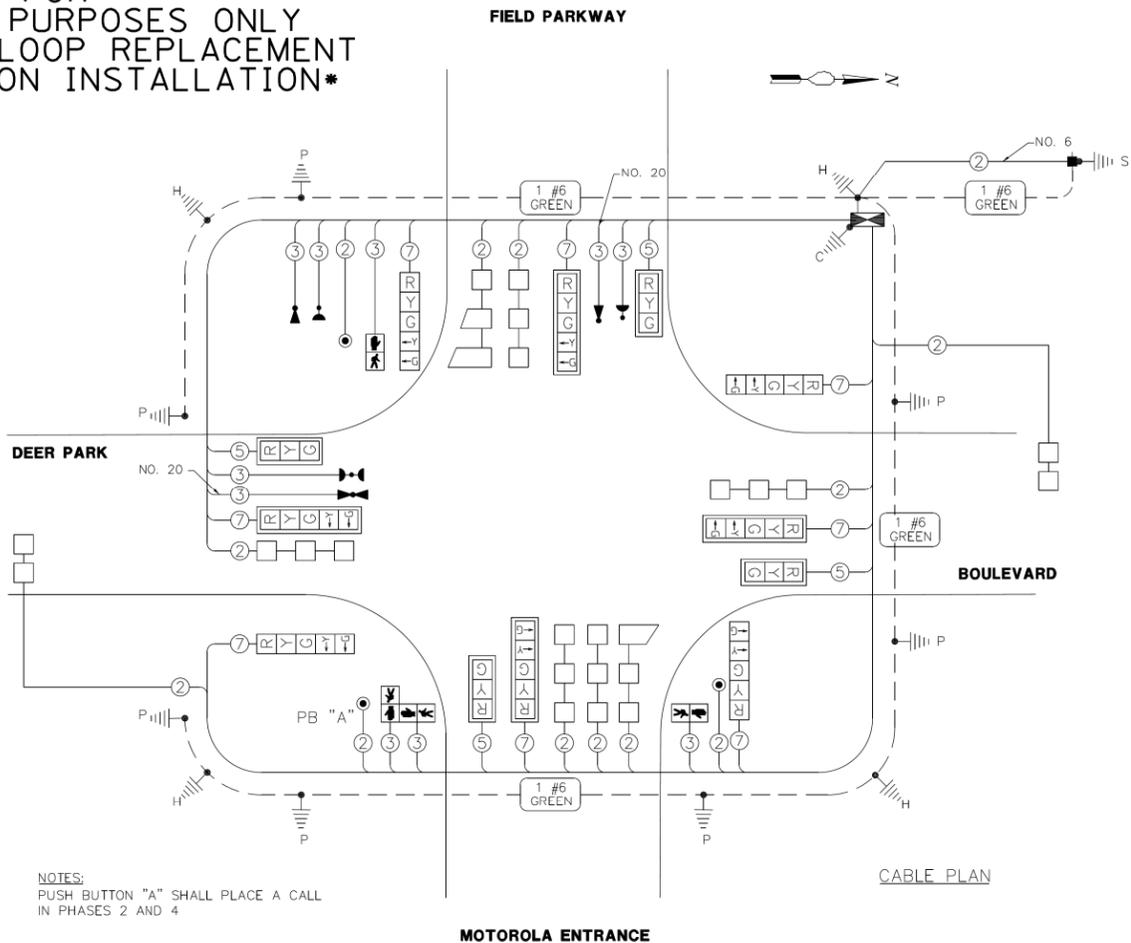
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Default						SCALE: NTS	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61J06		
									ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES

DEER PARK BOULEVARD AT FIELD PARKWAY

QUANT.	UNIT	ITEM
33	SQ. FT.	SIGN PANEL - TYPE 1
645	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
147	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
10	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
366	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
7	EACH	HANDHOLE
1	EACH	HEAVY-DUTY HANDHOLE
1	EACH	DOUBLE HANDHOLE
536	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C (GREEN)
540	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1,325	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
827	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
1,447	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
1,735	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
194	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.
16	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE D
60	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
4	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED
1	EACH	PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED
8	EACH	TRAFFIC SIGNAL BACKPLATE
9	EACH	INDUCTIVE LOOP DETECTOR
845	FOOT	DETECTOR LOOP, TYPE I
3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
3	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	SERVICE INSTALLATION, GROUND MOUNT
777	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
441	FOOT	ELECTRIC CABLE IN CONDUIT NO.20 3/C, TWSTED, SHLEDDED

THIS SHEET IS FOR INFORMATIONAL PURPOSES ONLY FOR DETECTOR LOOP REPLACEMENT AND PUSH-BUTTON INSTALLATION



CABLE PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		8" TRAFFIC SIGNAL SECTION
		12" TRAFFIC SIGNAL SECTION
		12" PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSH BUTTON DETECTOR
		DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD
		H/C GROUND ROD AT HANDHOLE OR CONTROLLER
		P GROUND ROD AT POST OR MAST ARM POLE
		S GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		GROUND ROD EXISTING TO BE REUSED
		GROUND CABLE IN CONDUIT, NO.6 SOLID COPPER (GREEN)
		FIBER OPTIC CABLE NO. 62.5/125 MM 12F & 8 M 12F
		TELEPHONE

NOTE: ALL NEW GROUND RODS SHALL BE 3/4"x10' LONG, COPPER CLAD THE COST SHALL BE INCIDENTAL TO THE COST OF THE GROUNDING INSTALLATION.

NOTES:
PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4

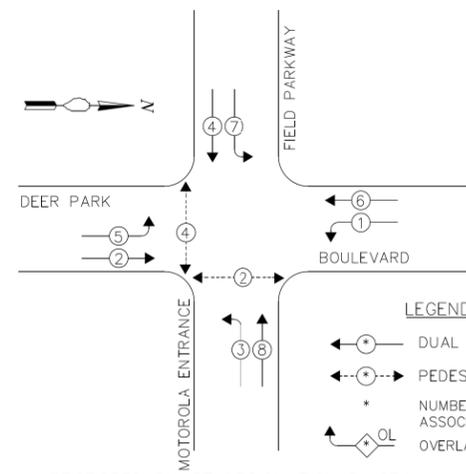
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE	% OPERATION	
SIGNAL (RED)	12	135	0.50	810.0
SIGNAL (YELLOW)	12	135	0.25	405.0
SIGNAL (GREEN)	12	135	0.25	405.0
ARROW	16	135	0.10	216.0
PED. SIGNAL	6	90	1.00	540.0
CONTROLLER	1	300	1.00	300.0
ILLUM. SIGN			0.05	
FLASHER				
TOTAL =				2676.0

ENERGY COSTS BILLED TO: VILLAGE OF DEER PARK (ADDRESS)
ENERGY SUPPLY CONTACT: MS. JOAN COOK (847)-870-2062 (ADDRESS) 201 N. ARTHUR AVE. (ADDRESS) MT. PROSPECT, ILLINOIS

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

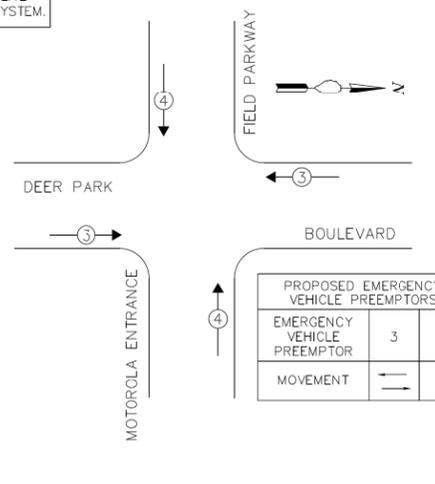
FOUNDATION (DEPTH)	(FT.)	CABLE SLACK	(FT.)	VERTICAL	(FT.)
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
TYPE D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20+1-2=
TYPE E - M ARM POLE	24	SIGNAL POST	2	BRACKET MOUNTED	13
	10	CONTROLLER CAB.	1	PED. PUSHBUTTON	4
	30	FIBER OPTIC	13	ELECTRIC SERVICE	13.5
		ELECTRIC SERVICE	1	SERVICE TO GROUND	13.5
		GROUND CABLE	1	POST MOUNTED	6

PROPOSED CONTROLLER SEQUENCE

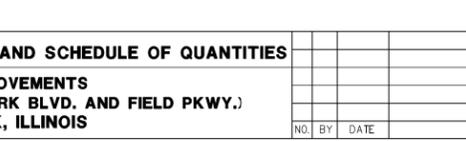


THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE NOTES



PROPOSED PHASE DESIGNATION DIAGRAM



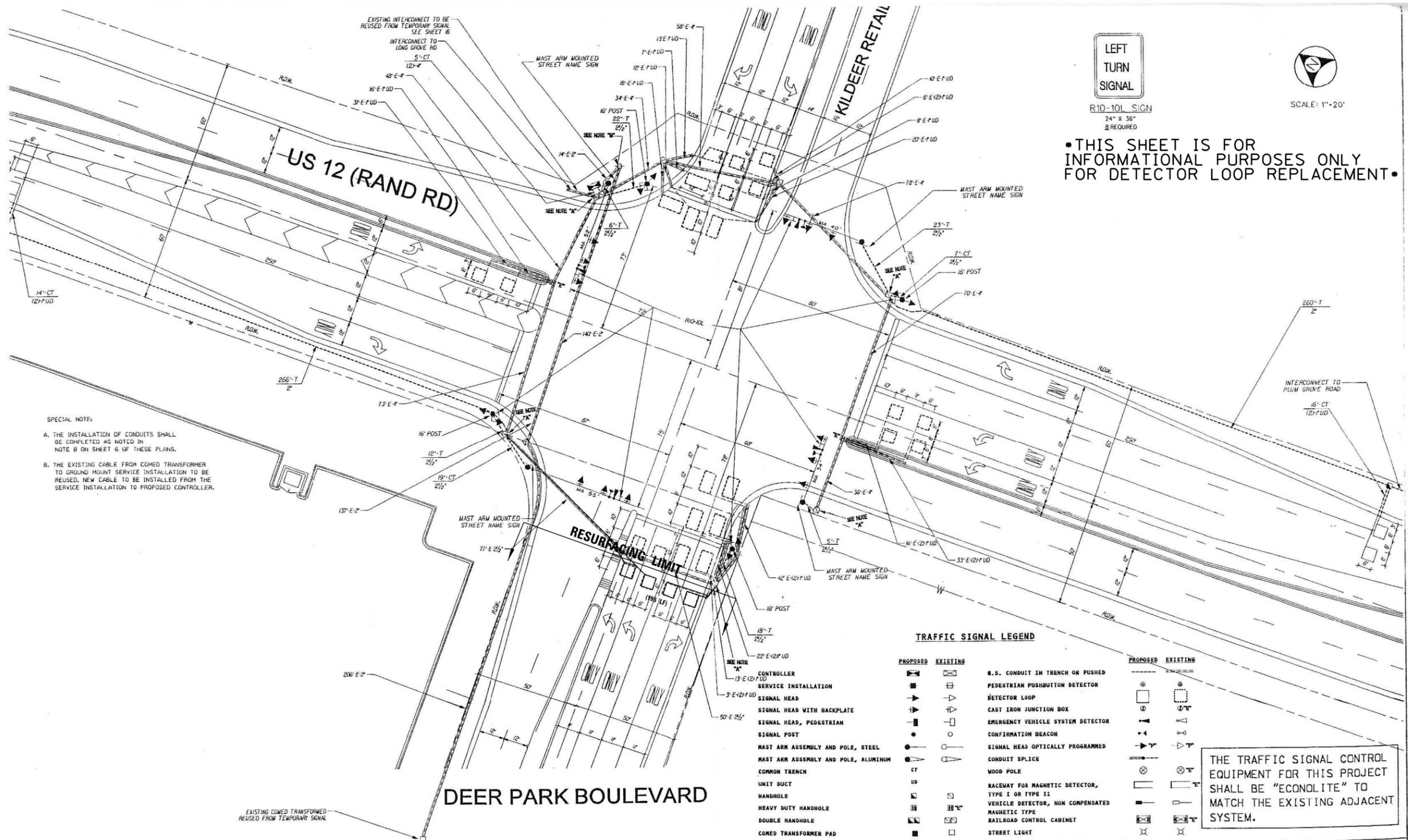
GEWALT HAMILTON ASSOCIATES, INC.
CONSULTING ENGINEERS & SURVEYORS
850 Forest Edge Drive Vernon Hills, IL 60061 Tel. 847.478.9700 Fax 847.478.9701

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CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITIES
PLUM GROVE ROAD IMPROVEMENTS
(INCLUDING TRAFFIC SIGNALS AT DEER PARK BLVD. AND FIELD PKWY.)
VILLAGE OF DEER PARK, ILLINOIS

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

FILE: 8938-815TRI	PROJ. #8938.815	SHEET NUMBER:
DRAWN BY: HAS	SCALE:	12
DATE: 6-13-01	NONE	
CHECKED BY: JRD	DATE: 6-13-01	OF 23 SHEETS



SPECIAL NOTE:
 A. THE INSTALLATION OF CONDUITS SHALL BE COMPLETED AS NOTED IN NOTE B ON SHEET 6 OF THESE PLANS.
 B. THE EXISTING CABLE FROM COMED TRANSFORMER TO GROUND MOUNT SERVICE INSTALLATION TO BE REUSED. NEW CABLE TO BE INSTALLED FROM THE SERVICE INSTALLATION TO PROPOSED CONTROLLER.

LEFT TURN SIGNAL
 R10-10L SIGN
 24" X 36"
 2 REQUIRED

SCALE: 1"=20'

THIS SHEET IS FOR INFORMATIONAL PURPOSES ONLY FOR DETECTOR LOOP REPLACEMENT

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING		PROPOSED	EXISTING
[Symbol]	[Symbol]	B.S. CONDUIT IN TRENCH OR PUSHED	[Symbol]	[Symbol]
[Symbol]	[Symbol]	PEDESTRIAN PUSHBUTTON DETECTOR	[Symbol]	[Symbol]
[Symbol]	[Symbol]	DETECTOR LOOP	[Symbol]	[Symbol]
[Symbol]	[Symbol]	CAST IRON JUNCTION BOX	[Symbol]	[Symbol]
[Symbol]	[Symbol]	EMERGENCY VEHICLE SYSTEM DETECTOR	[Symbol]	[Symbol]
[Symbol]	[Symbol]	CONFIRMATION BEACON	[Symbol]	[Symbol]
[Symbol]	[Symbol]	SIGNAL HEAD OPTICALLY PROGRAMMED	[Symbol]	[Symbol]
[Symbol]	[Symbol]	CONDUIT SPLICE	[Symbol]	[Symbol]
[Symbol]	[Symbol]	WOOD POLE	[Symbol]	[Symbol]
[Symbol]	[Symbol]	RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	[Symbol]	[Symbol]
[Symbol]	[Symbol]	VEHICLE DETECTOR, NON COMPENSATED	[Symbol]	[Symbol]
[Symbol]	[Symbol]	MAGNETIC TYPE	[Symbol]	[Symbol]
[Symbol]	[Symbol]	RAILROAD CONTROL CABINET	[Symbol]	[Symbol]
[Symbol]	[Symbol]	STREET LIGHT	[Symbol]	[Symbol]

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

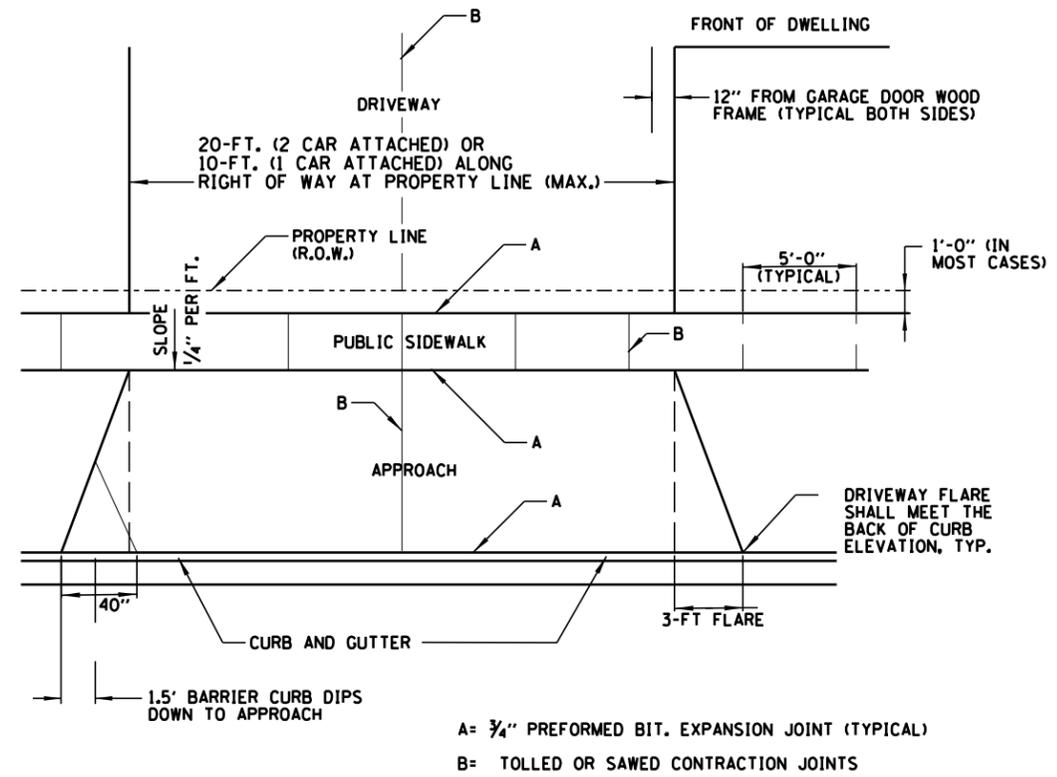


METRO TRANSPORTATION GROUP, INC.
 TRANSPORTATION PLANNING, ENGINEERING AND DESIGN
 1300 GREENBROOK, HANOVER PARK, IL 60103 PH# 630 213-1000

REVISIONS	
NO.	DATE

TRAFFIC SIGNAL INSTALLATION PLAN
 US ROUTE 12 (RAND RD) @ DEER PARK BOULEVARD
 DEER PARK, ILLINOIS

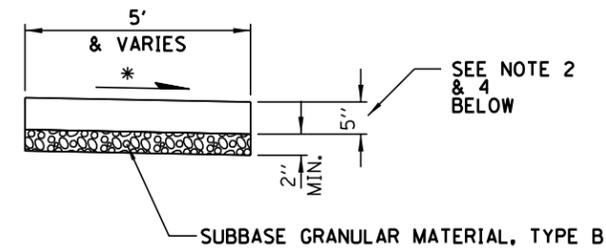
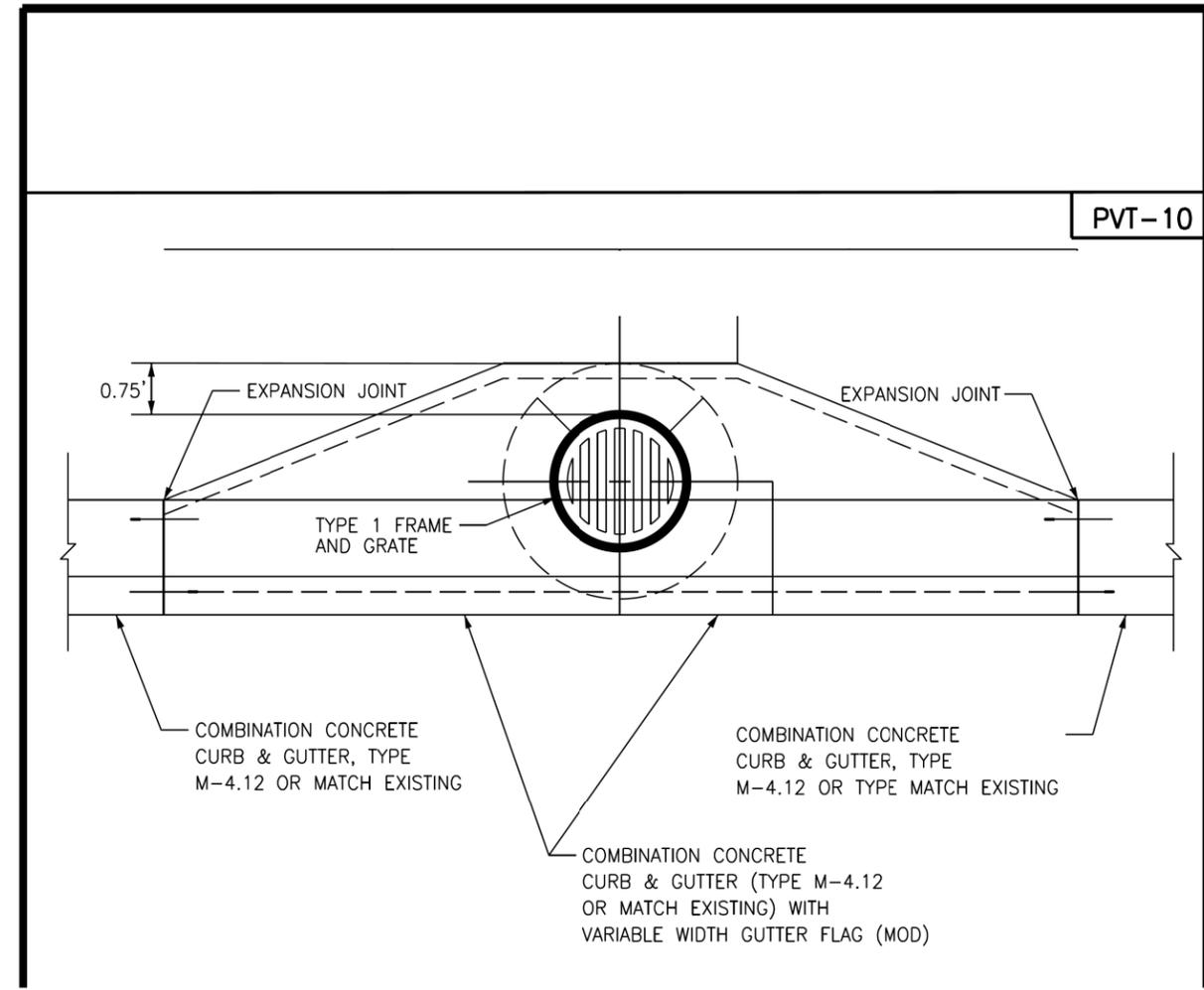
FILE NAME: 08.sp.dgn	SHEET NO.: 8
DATE: MAR. 12, 2001	OF 16
PROJECT NO.: H0001-22	



DRIVEWAY WITH A CURB AND GUTTER

- GENERAL NOTES:**
1. DRIVEWAY SHALL HAVE A MIN. SLOPE OF 2% AND MAX. SLOPE OF 6%.
 2. APPROACH SHALL HAVE A MIN. SLOPE OF 2% AND MAX. OF 6%.
 3. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED. (95% PROCTOR)
 4. PUBLIC SIDEWALK SHALL BE 6" AT RESIDENTIAL DRIVEWAYS AND 8" AT COMMERCIAL/INDUSTRIAL DRIVEWAYS. (NO WIRE MESH)
 5. MINIMUM THICKNESS FOR APPROACH. (NO WIRE MESH), THIS WILL BE PAID FOR BY THE FOLLOWING ITEMS:
 - A. 7" THK. P.C. CONCRETE ON 2" AGGREGATE BASE COURSE TYPE B OR
 - B. 7" THK. HOT-MIX ASPHALT (2" SURFACE, 5" BINDER) N50 ON 2" AGGREGATE BASE COURSE TYPE B
 6. SODDING, SALT TOLERANT AND TOPSOIL, 4" (100) RESTORATION SHALL BE INCLUDED IN THE COST OF THIS WORK.

A= 3/4" PREFORMED BIT. EXPANSION JOINT (TYPICAL)
 B= TOLLED OR SAWED CONTRACTION JOINTS



- CROSS SLOPE 2% OR AS SHOWN ON CROSS SECTIONS
1. ALL REQUIRED EARTH EXCAVATION TO CONSTRUCT P.C.C. SIDEWALK SHALL BE INCLUDED IN THE COST OF P.C.C. SIDEWALK 5 INCH, SPECIAL.
 2. WHEN FORMS ARE REMOVED FROM THE SIDEWALK EITHER THE SIDEWALK SHALL BE BARRICADED OR BACKFIELD WITHIN 24 HOURS.
 3. SODDING, SALT TOLERANT AND TOPSOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF P.C.C. SIDEWALK 5 INCH, SPECIAL.
 4. PUBLIC SIDEWALK SHALL BE 6" AT RESIDENTIAL DRIVEWAYS AND 8" AT COMMERCIAL/INDUSTRIAL DRIVEWAYS.

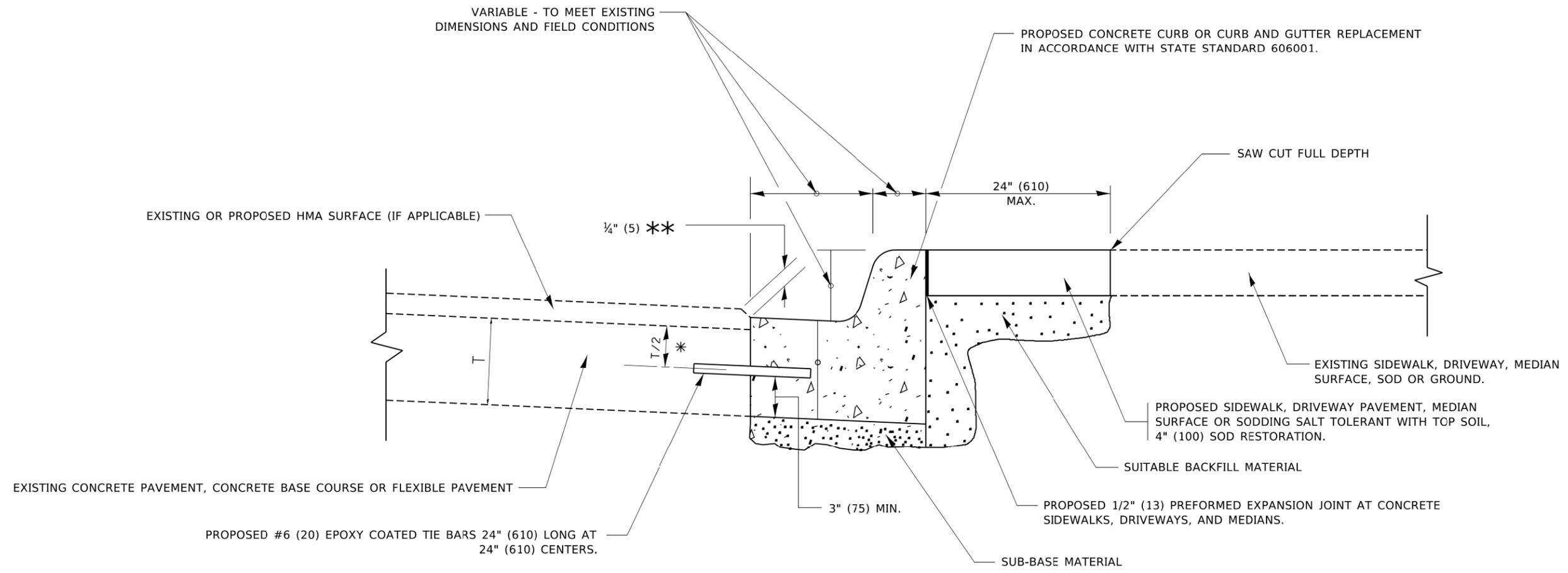
P.C.C. SIDEWALK DETAIL

FILE NAME =	USER NAME = jhouseh	DESIGNED -	REVISED -
N:\DEERPARK\160491\00062\Civil\det.00062.sht		DRAWN -	REVISED -
Default	PLOT SCALE = 23'	CHECKED -	REVISED -
	PLOT DATE = 1/3/2023	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DEER PARK BLVD. CONSTRUCTION DETAILS	
SCALE: NTS	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-R5	LAKE	33	26
CONTRACT NO. 61J06				
ILLINOIS FED. AID PROJECT				



- * 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.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

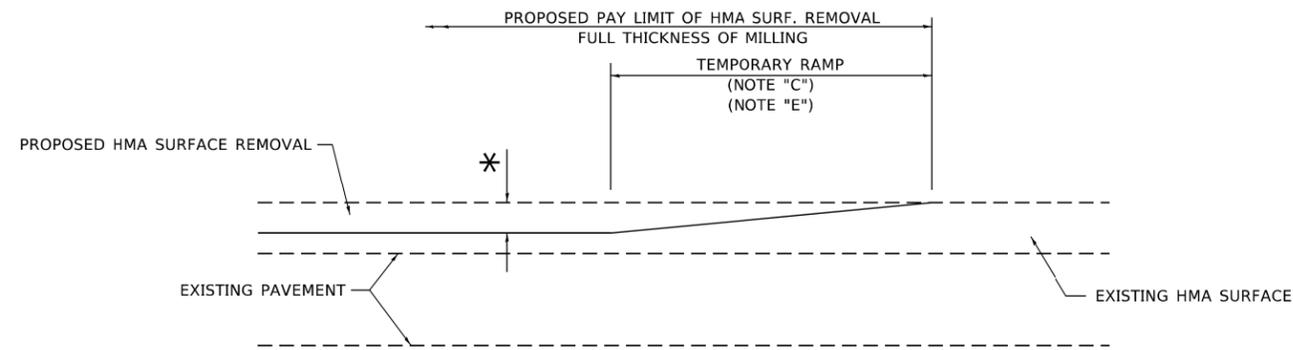
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USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.

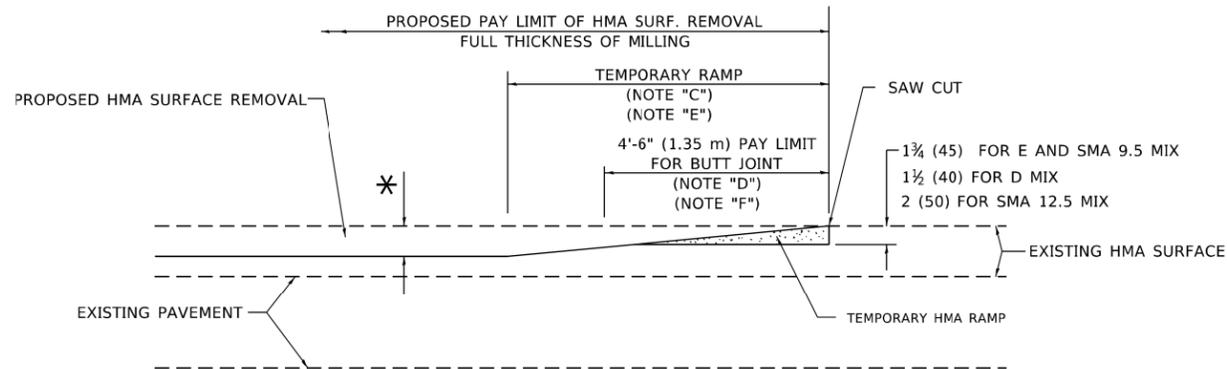
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0015	22-00018-00-RS	LAKE	33	28
BD600-06 (BD-24)		CONTRACT NO. 61J06		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

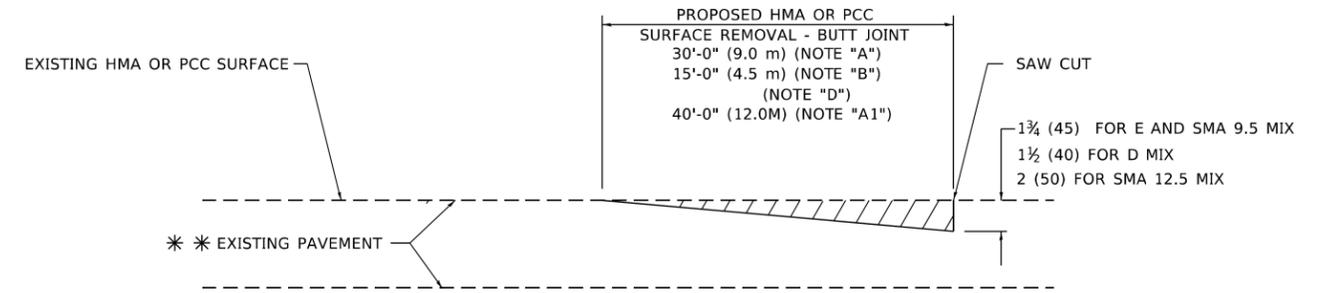


HMA CONSTRUCTED TEMPORARY RAMP

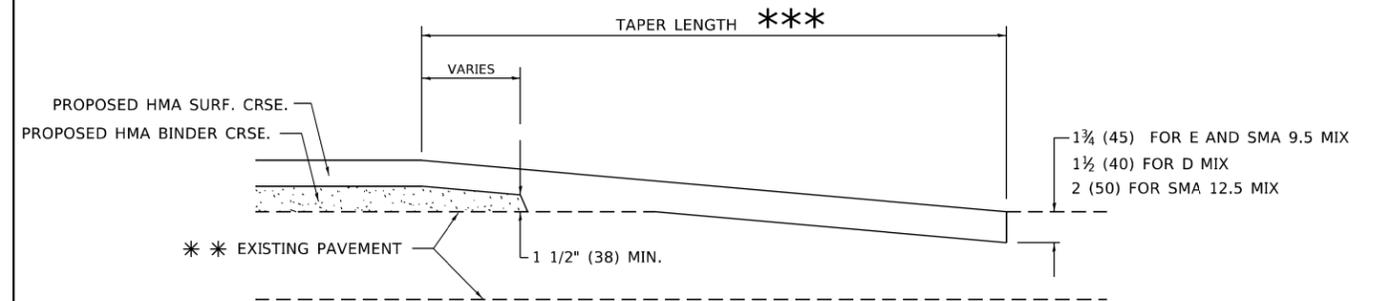
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

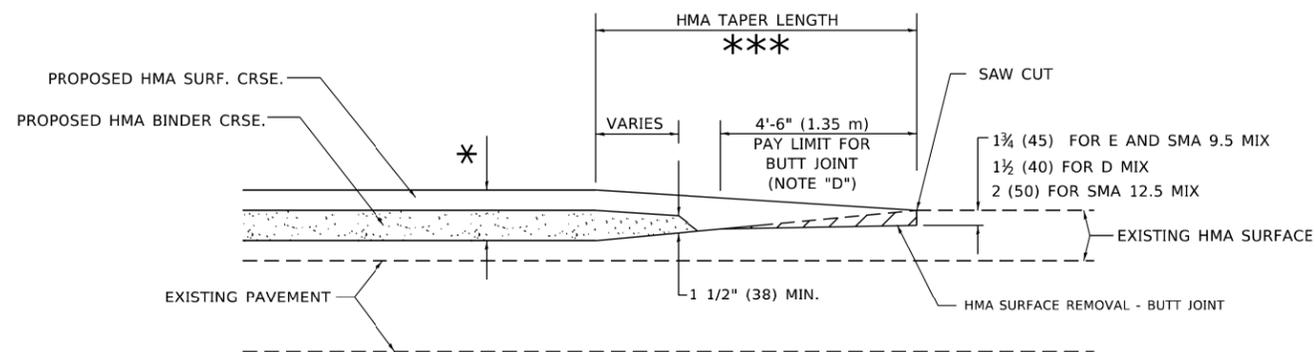
GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- 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' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. 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".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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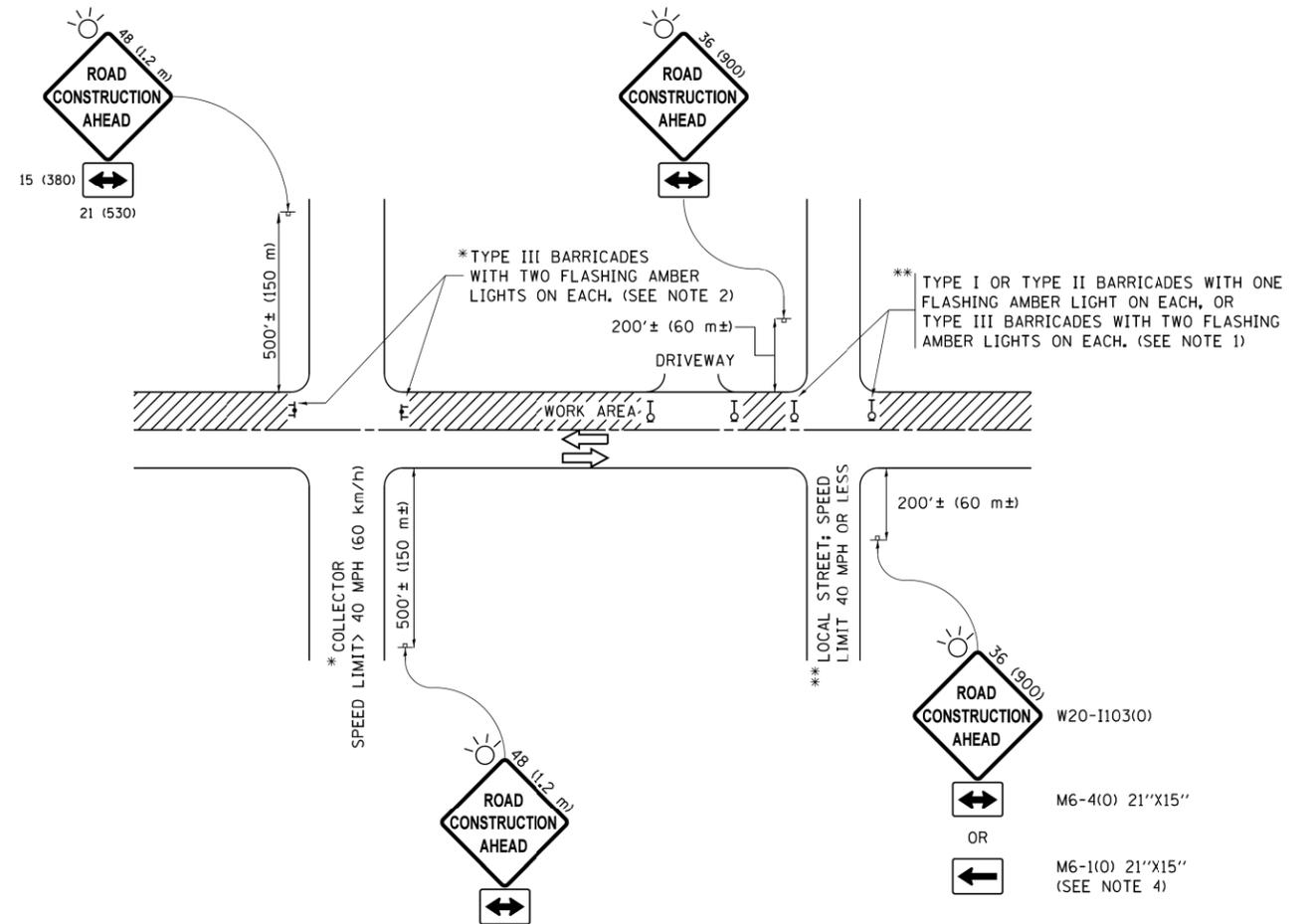
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	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-RS	LAKE	33	29
BD400-05 BD-32		CONTRACT NO. 61J06		
ILLINOIS FED. AID PROJECT				



NOTES:

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 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. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

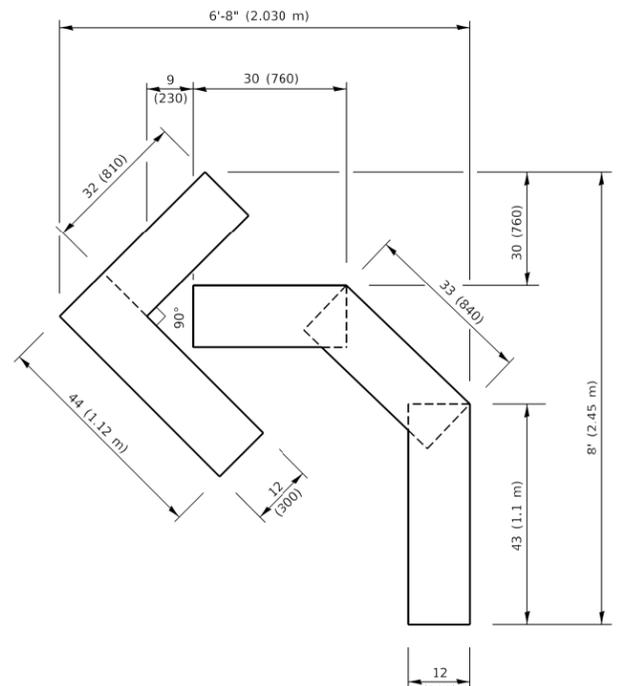
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	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

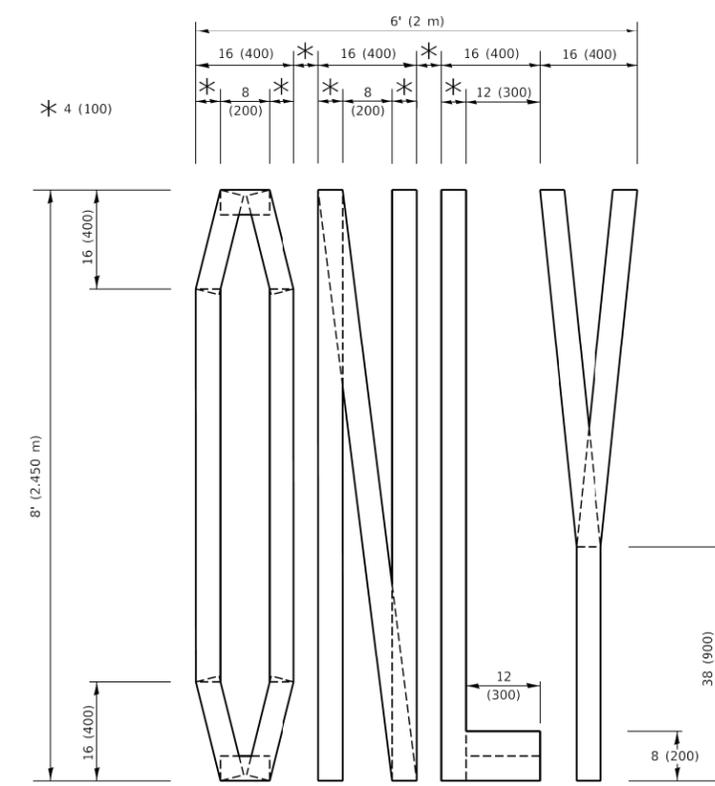
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

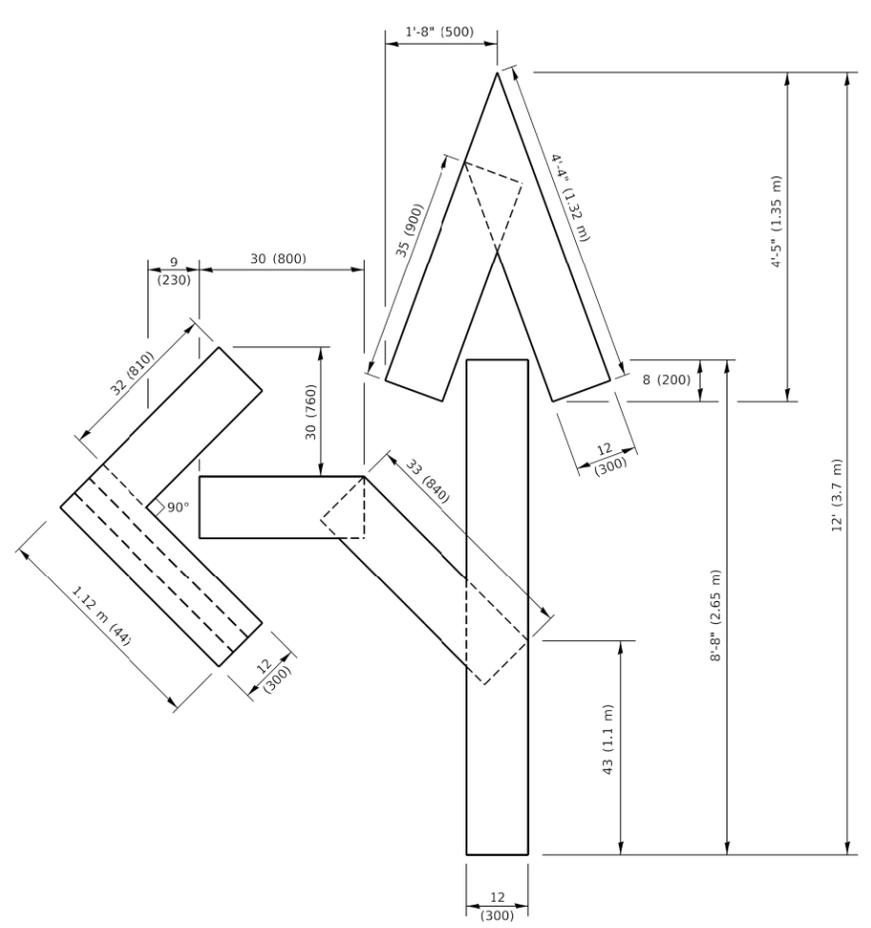
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-RS	LAKE	33	30
TC-10			CONTRACT NO. 61J06	
ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

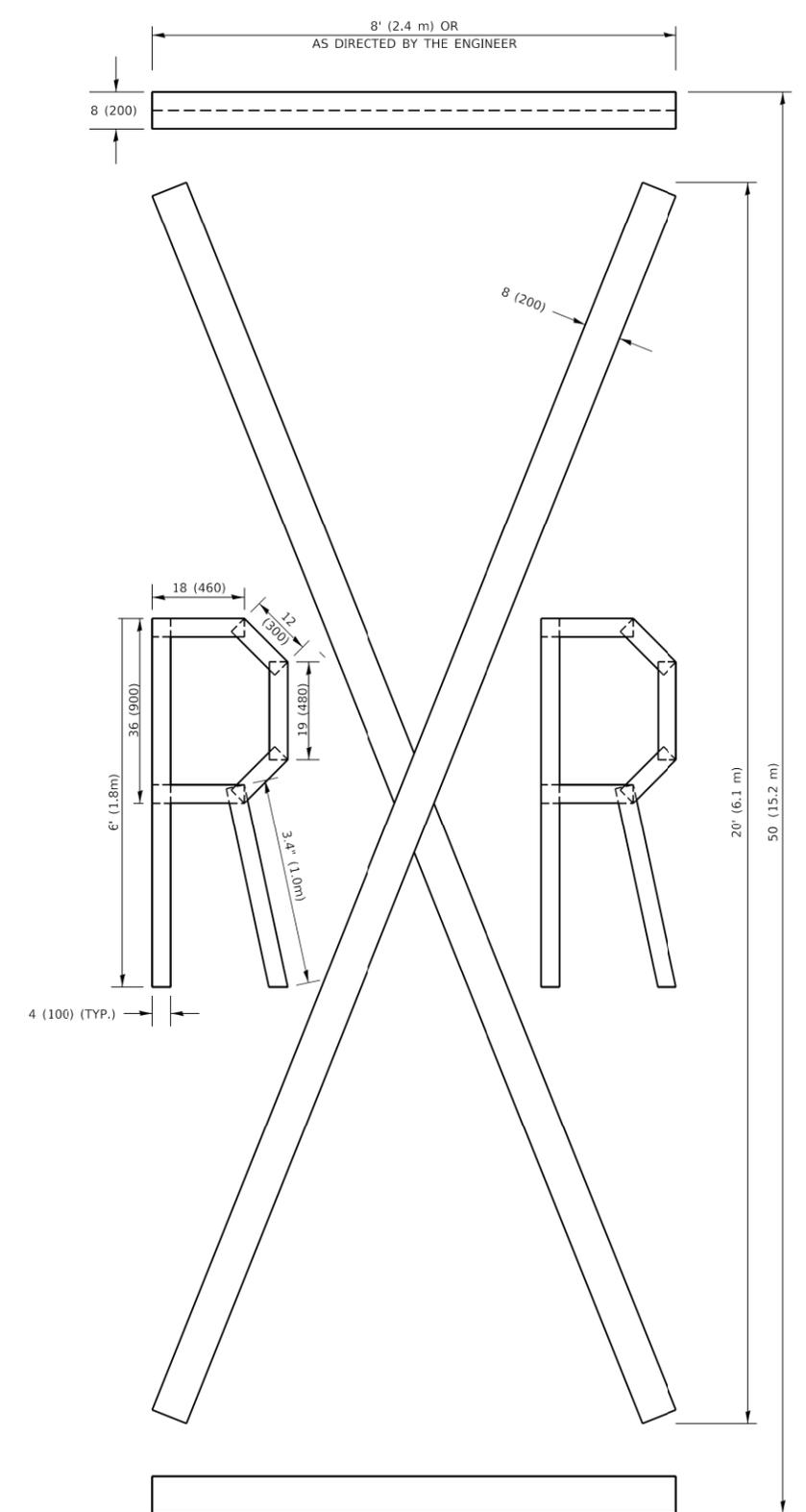


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

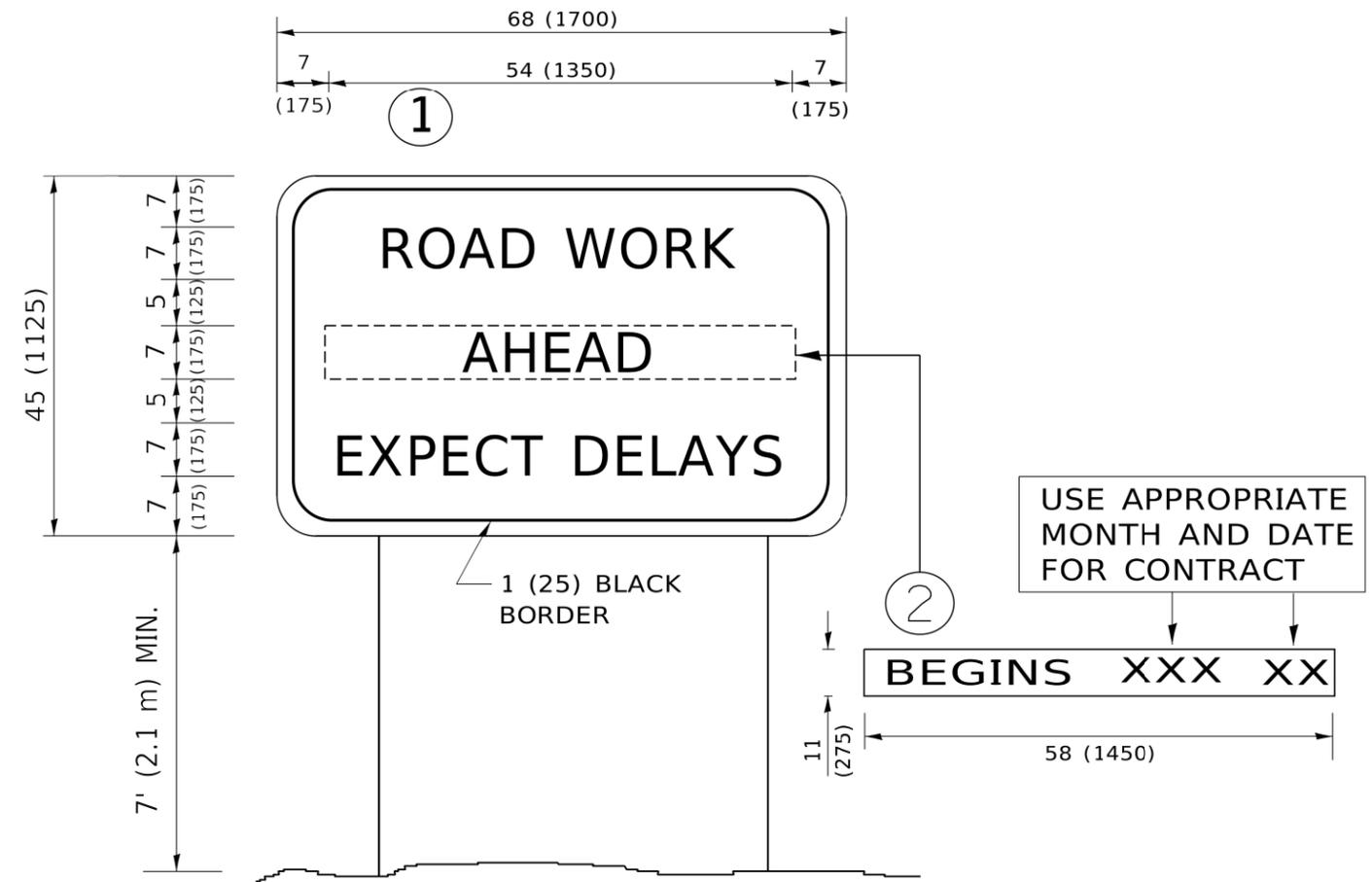
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PLOT SCALE = 50.0068 ' / in.	DRAWN -	REVISED - E. GOMEZ 08-28-0C
PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-0C
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE. 0015	SECTION 22-00018-00-RS	COUNTY LAKE	TOTAL SHEETS 33	SHEET NO. 32
TC-16		CONTRACT NO. 61J06		
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.

MODEL: Default
FILE: \\miller-pw\ill084\FEB\NTEC\Illinois.gov-PW\DOT\Documents\DOT_Offices\District_1\Projects\DUH\S22\2-21\CADD\ba\CAD\sheet\122.dgn

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0015	22-00018-00-RS	LAKE	33	33
TC-22		CONTRACT NO. 61J06		
ILLINOIS FED. AID PROJECT				