

006

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 346: U.S. RTE. 41
IL. RTE 176 (ROCKLAND RD.) TO PARK AVENUE WEST

F.A.P. ROUTE 337: IL RTE. 22 (HALF DAY RD.)
W OF TENNYSON LANE TO US 41

SECTION: 2017-032RS

PROJECT: NHPP-PD9N(195)

RESURFACING (3P) , PEDESTRIAN RAMPS, CULVERT REPAIR

LAKE COUNTY

C-91-009-18

R.12E

* 62 + 12 = 74 TOTAL SHEETS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2017-032RS	LAKE	62	1
CONTRACT NO. 62F48			

D-91-010-18

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE VILLAGE OF LAKE BLUFF, AND THE CITIES OF LAKE FOREST AND HIGHLAND PARK.

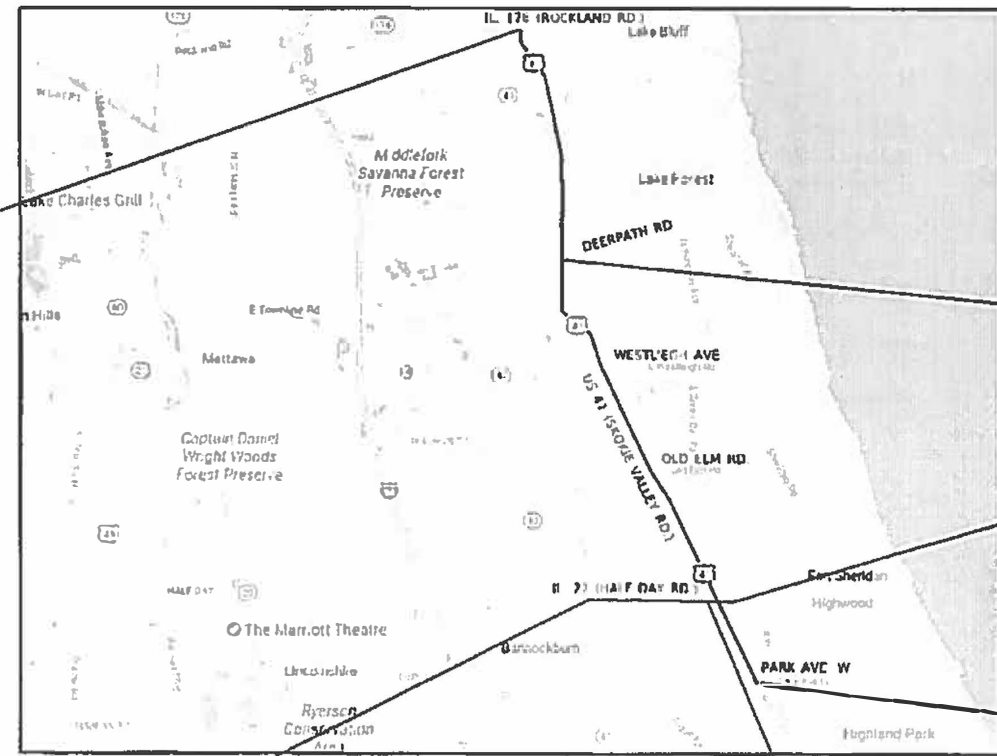
T44N

TRAFFIC DATA

2015 ADT, 34,400 TO 45,100

POSTED SPEED LIMIT

45 & 55 MPH



PROJECT ENDS
STA. 388+97.34

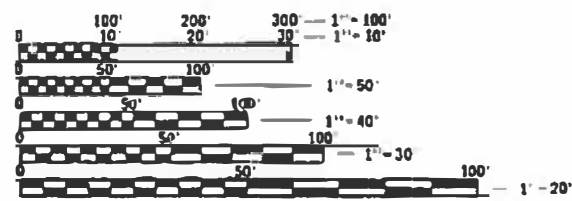
OMISSION
FOR BRIDGE DECK ONLY
STA. 252+68.03 TO
STA. 259+36.06

PROJECT ENDS
STA. 70+00

PROJECT BEGINS
STA. 16+60.48

PROJECT BEGINS
STA. 18+71.33

OMISSION
FOR BRIDGE DECK ONLY
STA. 55+08.2 TO
STA. 57+80.3



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 SCALING MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR B11

PROJECT ENGINEER: KARI SMITH (847) 705-4437
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62F48

SHIELDS AND DEERFIELD TOWNSHIPS

GROSS LENGTH = 43,761 FT. = 8.29 MILES
NET LENGTH = 42,593 FT = 8.07 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 18, 2018

Andrew J. Quigley
REGIONAL ENGINEER

Dec 9 2018

Paul P. Ch...
ENGINEER OF DESIGN AND ENVIRONMENT

Dec 20 2018

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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60.	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
61.	ARTERIAL ROAD INFORMATION SIGN (TC-22)
62.	DISTRICT ONE - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
442101-08	CLASS B PATCHES

604001-04	FRAME AND LIDS, TYPE 1
606001-06	COMBINATION CONCRETE CURB AND GUTTER
630111	WEAK POST GUADRAIL ATTACHED TO CULVERT
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
642001-02	SHOULDER RUMBLE STRIPS

STATE STANDARDS

STANDARD NO.	DESCRIPTION
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24' (600) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 2' FROM PAVEMENT EDGE
701011-04	OFF-ROAD OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS > 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON-TRAVERSABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

GENERAL NOTES

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF LAKE BLUFF, AND THE CITIES OF LAKE FOREST, AND HIGHLAND PARK & UNINCORPORATED LAKE COUNTY.

GENERAL NOTES

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES (40MM) WHERE THE SPEED LIMIT IS 40 MPH (80KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 KM/H), WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.

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

THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT CORY.JUCIUS@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

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

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF CONSTRUCTION.

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

PAVEMENT MARKING TAPE TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKING ON FINAL SURFACES

CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST TWO WEEKS PRIOR TO BEGINNING WORK FOR LAYOUT.

△ REV. 1-7-2019

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US 41 (SKOKIE VALLEY HWY.) (IL 176 (ROCKLAND RD.) TO PARK AVE. WEST)		346	2017-32RS	LAKE	62	2
SCALE:		SHEET	OF	SHEETS	STA.	TO STA.

ILLINOIS		FED. AID PROJECT	
CONTRACT NO. 62F48			

GENERAL NOTES (CONTINUED...)

THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED WITH THE EXCEPTION OF COFFERDAMS WHICH WILL BE PAID FOR AS COFFERDMAN (TYPE 1) (IN-STREAM /WETLAND WORK) WITH A BASIS OF PAYMENT OF EACH .

 SHEET ADDED 1-7-2019

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PLOT DATE = 1/3/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
US 41 (SKOKIE VALLEY HWY.) (IL 176 (ROCKLAND RD.) TO PARK AVE. WEST)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	2017-32RS	LAKE	62	2A
			CONTRACT NO. 62F48	
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE	0005 80% FED 20% STATE			
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	16890	16890				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	304	304				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	6805.3	6800	5.3			
42001300	PROTECTIVE COAT	SO YD	466	466				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	20	20				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	3227	3227				
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SO FT	10	10				
42400800	DETECTABLE WARNINGS	SO FT	738	738				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	406158	406158				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	20	20				
44000600	SIDEWALK REMOVAL	SO FT	3185	3185				
44003100	MEDIAN REMOVAL	SO FT	537	537				
44004250	PAVED SHOULDER REMOVAL	SO YD	54		54			
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SO FT	357	357				

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE	0005 80% FED 20% STATE			
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SO YD	150	150				
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SO YD	80	80				
44201299	DOWEL BARS 1 1/2"	EACH	320	320				
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	450	450				
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	150	150				
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	50	50				
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	25		25			
44201863	CLASS D PATCHES, TYPE II, 18 INCH	SO YD	2500	2500				
44201867	CLASS D PATCHES, TYPE III, 18 INCH	SO YD	2000	2000				
44201869	CLASS D PATCHES, TYPE IV, 18 INCH	SO YD	1000	1000				
44213000	PATCHING REINFORCEMENT	SO YD	80	80				
44213200	SAW CUTS	FOOT	928	928				
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1440	1440				
50102400	CONCRETE REMOVAL	CU YD	4		4			
50200100	STRUCTURE EXCAVATION	CU YD	10.6		10.6			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	870		870			
54002020	EXPANSION BOLTS 3/4 INCH	EACH	23		23			



REV. 1-7-2019

REV. - MS

