INDEX OF SHEETS COVER SHEET: LOCATION MAP 1.) INDEX OF SHEETS, LIST OF DISTRICT 1 STANDARD DETAILS, LIST OF ILLINOIS DOT HIGHWAY STANDARDS, 2.) GENERAL NOTES, BENCHMARKS, HOT-MIX ASPHALT MIXTURE REQUIREMENTS SUMMARY OF QUANTITIES 3.-8.) 9.-11.) TYPICAL SECTIONS 12.-15.) EARTHWORK COMPUTATIONS 16.-26.) PLAN AND PROFILE: FAU 1587 (McCARTHY ROAD) - FAU 1065 (ILLINOIS STREET) TO CH500JSW (WALKER ROAD) (EXISTING AND PROPOSED ROADWAY BIKE AND SHARED-LANE PLAN) MAINTENANCE OF TRAFFIC 28.) MAINTENANCE OF TRAFFIC, RIPE HANDRAIL DETAILS STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL NOTES AND DETAILS 30.) 31.-41.) PLAN AND PROFILE: FAU 1587 (McCARTHY ROAD) - FAU 1065 (ILLINOIS STREET) TO CH500JSW (WALKER ROAD) (DRAINAGE, UTILITIES, LANDSCAPE, AND EROSION CONTROL)

42.-47.) PLAN AND PROFILE: FAU 1587 (McCARTHY ROAD) - FAU 1065 (ILLINOIS STREET) TO CH500JSW (WALKER ROAD)

(PROPOSED PAVEMENT MARKING PLAN)

LIST OF DISTRICT 1 STANDARD DETAILS

BD-08 DETAILS FOR FRAMES AND LIDS ADJUSTMENTS WITH MILLING BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

72.) BD-24 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

BD-32 BUTT JOINT AND HMA TAPER DETAILS 74.) 75.)

TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS

TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

77.) TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS

TC-14 TRAFFIC CONTROL & PROTECTION AT TURN BAYS 78.) (TO REMAIN OPEN TO TRAFFIC)

TC-16 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING 79.)

LOCATION (ON McCARTHY ROAD)

80.) TC-22 ARTERIAL ROAD INFORMATION SIGN

81.) TC-26 DRIVEWAY ENTRANCE SIGNING

76.)

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-08 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS

280001-07 TEMPORARY EROSION CONTROL SYSTEMS 424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS

424006-04 DIAGONAL CURB RAMPS FOR SIDEWALKS

424016-05 MID-BLOCK CURB RAMPS FOR SIDEWALKS 424021-06 DEPRESSED CORNER FOR SIDEWALKS

424026-03 ENTRANCE/ALLEY PEDESTRAIN CROSSINGS

442201-03 CLASS C AND D PATCHES

542401-04 METAL FLARED END SECTION FOR PIPE CULVERTS

602301-04 INLFT-TYPE A 602306-03 INLET-TYPE B

604001-05 FRAMES & LIDS-TYPE 1

606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB & GUTTER

701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY

701501-06 URBAN LANE CLOSURE, 2 L, 2 W UNDIVIDED

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

720011-01 METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS

780001-05 TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

PAVING AND STORM SEWERS

SPECIFICATIONS THE APRIL 1, 2016 EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE JANUARY 1, 2021 EDITION OF THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, AND THE 2009 EDITION OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" SHALL GOVERN ALL WORK ASSOCIATED WITH THIS PROJECT. THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY GOVERN OTHER WORK ON THIS PROJECT AS INDICATED BY REFERENCE.

CARE IN EXCAVATION

82.-91.) CROSS SECTIONS

THE CONTRACTOR SHALL EXERCISE CARE DURING EARTH AND/OR TRENCHING OPERATIONS TO AVOID DAMAGE TO LOCAL UTILITY SERVICES, WATER VALVES. MANHOLES. CATCH BASINS, INLETS, BUFFALO BOXES, AND OTHER STRUCTURES. ALL DAMAGE DONE BY THE CONTRACTOR, WHETHER THE STRUCTURE OR SERVICE IS VISIBLE AT THE GROUND SURFACE OR NOT, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 105.07 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE

NOTIFICATION OF IDOT DISTRICT 1 TRAFFIC CONTROL SUPERVISOR

48.-70.) PLAN: FAU 1587 (McCARTHY ROAD) ADA RAMP DETAILS

THE CONTRACTOR SHALL CONTACT THE IDOT DISTRICT 1 TRAFFIC CONTROL SUPERVISOR FOR ARTERIALS AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK.

NOTIFICATION OF PUBLIC UTILITIES

71.-81.) DISTRICT 1 STANDARD DETAILS

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OFFICIALS OF THE PUBLIC WORKS DEPARTMENT OF THE LOCAL MUNICIPALITY, J.U.L.I.E. AT 1-800-892-0123 OR 811, AND OTHER PUBLIC AND PRIVATE UTILITIES TO MAKE ARRANGEMENTS TO LOCATE THEIR VARIOUS FACILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER THIS CONTRACT, AND TO PROVIDE ADEQUATE PROTECTION AND INSPECTION. THE CONTRACTOR SHALL DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES IN THE FIELD.

TRAFFIC CONTROL DEVICES

BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

PROTECTION OF SIGNS AND PROPERTY

ALL TRAFFIC SIGNS, STREET SIGNS, ETC., THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AND PLACED AT NEW LOCATIONS AS DESIGNATED BY THE ENGINEER. IN ADDITION, ALL MAIL BOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE SIMILARLY RELOCATED IN ACCORDANCE WITH ARTICLES 107.20 AND 107.21 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

SUPERINTENDENCE

THE CONTRACTOR SHALL HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVING CONTROL OF ALL THE WORK AS THE AGENT OF THE GENERAL CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.

CONSTRUCTION LAYOUT STAKES

THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH WOODEN STAKES OR OTHER LAYOUT MATERIALS FOR LAYOUT OF THE LINES AND GRADES OF THE PROJECT. FAILURE TO PROVIDE STAKES IN A TIMELY MANNER WILL RESULT IN A DELAY IN STAKEOUT WHICH WILL BE APPLICABLE AGAINST THE TIME LIMIT FOR COMPLETION. SHOWN IN THE PROJECT SPECIFICATIONS, LINE AND GRADE WILL BE ESTABLISHED BY THE ENGINEER AT REGULAR INTERVALS ON PERMANENTLY PAVED SURFACES, SIDEWALKS OR STAKES AT THE ENGINEER'S OPTION, ALL WITHIN THE PUBLIC RIGHT-OF-WAY AND SHALL BE TRANSFERRED BY THE CONTRACTOR TO THE ACTUAL LINE OF CONSTRUCTION

PROJECT SAFETY

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1-1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

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

THE CONTRACTOR SHALL COMPLY WITH AND OBSERVE THE RULES AND REGULATIONS OF O.S.H.A. AND APPROPRIATE AUTHORITIES REGARDING SAFETY PROVISIONS. THE CONTRACTOR, ENGINEER, AND OWNER SHALL EACH BE RESPONSIBLE FOR THEIR OWN RESPECTIVE AGENTS AND EMPLOYEES.

THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS, OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS/HER WORK IN ACCORDANCE WITH THE DOCUMENTS AND SPECIFICATIONS.

ALL PATCHING ON THE HOT-MIX ASPHALT PORTIONS OF THIS PROJECT WILL BE MARKED OUT AND CONSTRUCTED AFTER MILLING. A PROOF ROLL WILL BE REQUIRED PRIOR TO

BEFORE BEGINNING WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) SO THESE LOCATIONS CAN BE RE-ESTABLISHED FOR FINAL STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY

TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER AT PATRICE.HARRIS@ILLINOIS.GOV.

ALL MAILBOXES IN CONFLICT WITH THE PROPOSED IMPROVEMENT SHALL BE TEMPORARILY RELOCATED AND THEN PERMANENTLY RELOCATED IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DESIGNED - JL(REVISED - 2-21-20 THK FAU 1587 (McCARTHY ROAD) DRAWN - JFP REVISED - 8-06-20 JLC FAU 1065 (ILLINOIS STREET) TO CH500JSW (WALKER ROAD CHECKED - THK REVISED - 10-02-20 JLC PLOT SCALE = #19383 BIKE LANES AND RESURFACING PLOT DATE = DATE - 7-6-17 (REVISED - 12-22-20 JLC)/1

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

	INDEX	OF SHEETS,	LIST	of distric	CT 1 STA	NDARD DETAILS,	
	LIST OF I	LLINOIS DOT	r HIGH	WAY STAN	NDARDS,	GENERAL NOTES,	
	BENCH	MARKS, HO	T-MIX	ASPHALT	MIXTURE	REQUIREMENTS	
SCALE:	NONE	SHEET NO.	OF	SHEETS	STA.	TO STA.	

V			INE		NG	F: (630)	887.8640 887.0132	
F.A.U RTE.	1.	SEC	TION		C	YTNUC	TOTAL SHEETS	SHEET NO.
1587	1	4-0005	2-00-E	ΙT		COOK	91	2
						CT NO. 61		
FED.	ROAD DIS	T. NO.	ILLINOIS	FED.	AID PRO	JECT	7805 (27	'9)

NOVOTNY 545 Plainfield Road, Suite A Willowbrook, IL 60527

ELEVATION

BENC	HM.	ARI	<u> </u>

ELEVATIONS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

642.392 FOUND CROSS IN THE CENTER OF THE SIDEWALK APPROXIMATELY 28' NORTHWEST OF THE CENTERLINE OF CASS STREET 724.541 FOUND DISK APPROXIMATELY 180' EAST OF THE CENTERLINE OF JULIA STREET WEST OF DRIVEWAY, NORTH OF SIDEWALK 739.404 FOUND CROSS IN THE CENTER OF THE SIDEWALK APROXIMATELY 445' SOUTHEAST OF THE CENTERLINE OF 4TH STREET 730.259 FOUND CROSS ON THE EAST SIDE OF THE CONCRETE DRIVEWAY JUST NORTHEAST OF WALKER ROAD

HOT-MIX ASPHALT MIXTURE REQUIR	<u>EMENTS</u>
MIXTURE TYPE	AIR VOIDS @ NDES
ROADWAY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL-9.5mm), 1-1/2"	4.0% @ 70 GYR
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE WIDENING, 6", (HMA BINDER IL-19 mm)	4 0% © 70 GYR
HOT-MIX ASPHALT BASE COURSE WIDENING, 6-3/4", (HMA BINDER IL-19 mm)	4.0% @ 70 GYR
PATCHING	
CLASS D PATCHES, TYPE II-IV, (HMA BINDER IL-19 mm), 10" (IN 2 LIFTS)	4% @ 70 GYR
<u>DRIVEWAYS</u>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL-9.5mm), 4" (IN TWO LIFTS)	4% © 50 GYR

HOT-MIX SURFACE REMOVAL TO BE PERFORMED BEFORE PATCHING OPERATIONS

THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN. "THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76—22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64—22" UNLESS MODIFIED BY SPECIAL PROVISIONS" FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

Specialty Item	Special Provision	Code Number	ltem	Unit	Total Quantity	Construction Code Roadway 0005
		44000600	SIDEWALK REMOVAL	SQ FT	7476	7476
	0000 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	44201765	CLASS D PÁTCHES, TYPE ÎI, 10 INCH	SQ YD	321	321
	Expense A A ASSESSED TO CONTRACT AND AREA ASSESSED.	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	42	42
		44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	74	
and a such such substitution in the such such such such such such such such	aabede maatassaatta maaruu paase saadtaa kaatassaattaa	50300300	PROTECTIVE COAT	SQ YD	1304	1304
*	**************************************	50901760	PIPE HANDRAIL	FOOT	425	425
		52200800	SEGMENTAL CONCRETE BLOCK WALL	SQFT	469	469
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	5	nongoning societie and states a transferring which is report that in the societies of the s
	.=0.4=4	54213672	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 27"	EACH	2	2
		54262710	MÉTAL FLARED END SECTIONS 10"	EACH	1	
		550A0130	STORM SEWERS, CLASS A, TYPE 1, 27"	FOOT	145	145
enstavennessimilinos van	*	550B0040	STORM SEWERS, CLASS B, TYPE 1, 10"	FOOT	20	20
6 V 11 C 40 C 40 C 10 C 10 C 10 C 10 C 10 C	*	550B0050	STORM SEWERS, CLASS B, TYPE 1, 12"	FOOT	390	390
dust a mark of the comment	*	550B0070	STORM SEWERS, CLASS B, TYPE 1, 15"	FOOT	5	5
ulkhijmäyyys valitarvanasvanyapa yyang	samenae med mandadeleitenya	55100500	STORM SEWER REMOVAL 12"	FOOT	20	20
*		56400100	FIRE HYDRANTS TO BE MOVED	EACH	1	<u>.</u>

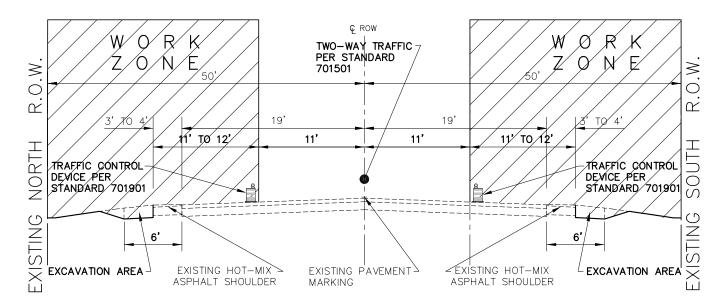
Revised 12/30/20

	NOVOTNY ENGINEERING Illinois Professional Design Firm No	545 Plainfield Willowbrook, T: [630] 887.84 F: [630] 887.01
4	 	1

FLE NAME	USER NAME -	DESIGNED	_	JLC	REVISED	_	2-21-20 THK
FAU 1587 (McCARTHY ROAD) FAU 1065 (ILLINOIS STREET) TO CH500JSW (WALKER ROAD)		DRAWN	_	JFP	REVISED	_	8-06-20 JLC
	PLOT SCALE -	CHECKED	_	THK	REVISED		8-11-20 JLC
#19383 BIKE LANES AND RESURFACING	PLOT DATE ⇒	DATE		7-6-17	REVISED		10-02-20 JLC

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

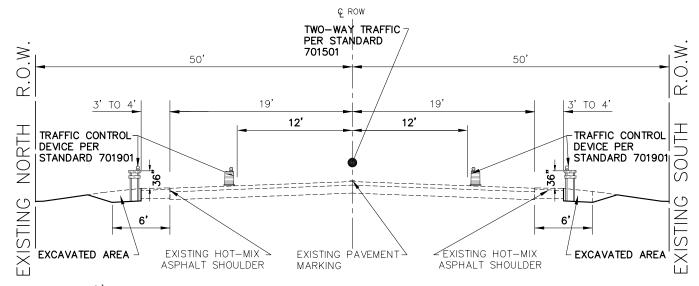
-								F.A.U. RTE.	SECTION	COUNTY	TOTAL	SHEE NO.
			SUM	MARY	OF QU	IANTIT	IES	1587	14-00052-00-BT	COOK	91	5
										CONTRAC	T NO. 61	G86
	SCALE	NONE	SHEET NO.	0F	SHEETS	STA.	TO STA.	FED. RC	DAD DIST. NO. ILLINOIS FEI	D. AED PROJECT	78Q5 (27	79)
		HOILE				L						



- 1.) TWO-WAY TRAFFIC WILL BE MAINTAINED DURING THE DAY UTILIZING A ELEVEN FOOT LANE WIDTH AND I.D.O.T. STANDARD 701501.
- 2.) THE CONTRACTOR SHALL BE ABLE TO UTILIZE THE REMAINING PAVEMENT TO THE NORTH AND SOUTH FOR HIS WORK.

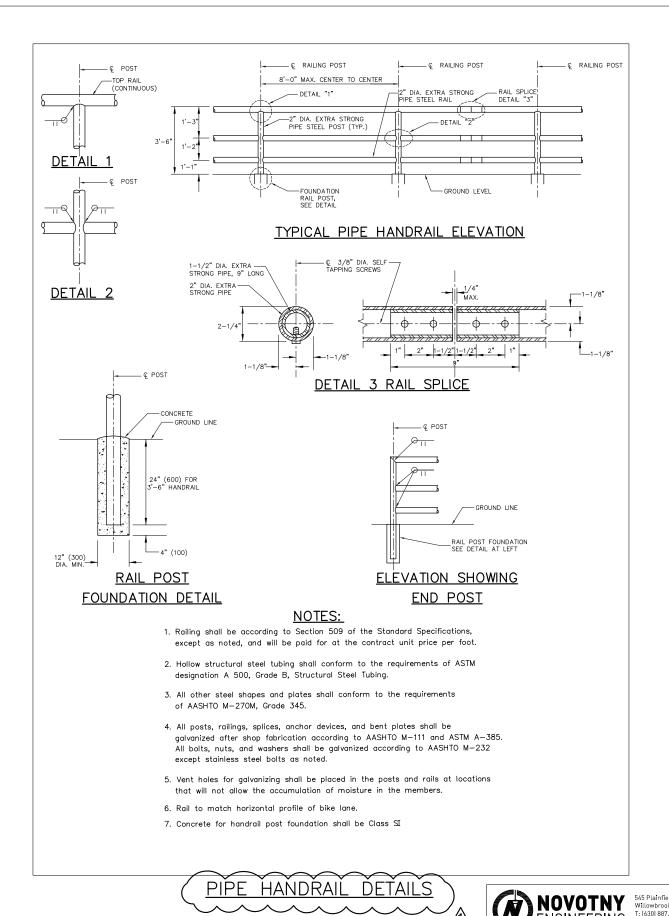
STAGE 1 (DAY TIME) NOTE: NO SHORT-TERM PAVEMENT MARKING IS PROPOSED FOR STAGE 1 -EXISTING PAVEMENT CENTERLINE WILL BE USED FOR DAY AND NIGHT TRAFFIC

STA. 78+43 TO STA. 84+64, FAU 1587 (McCARTHY ROAD)



- 1.) TWO-WAY TRAFFIC WILL BE MAINTAINED AT NIGHT ALLOWING TWO ELEVEN FOOT LANES.
- 2.) TEMPORARY BARRIERS WILL NOT BE NEEDED FOR UNDERCUT OPERATIONS OF FOUR DAYS OR LESS.
- 3.) BARRELS TO BE MOVED AT THE END OF EACH DAY OF CONSTRUCTION TO OPEN TWO-WAY TRAFFIC AND BARRICADES TO BE USED IN EXCAVATED AREAS, AT ENDS, AND DRIVEWAYS

(NIGHT TIME) STA. 78+43 TO STA. 84+64, FAU 1587 (McCARTHY ROAD)



REVISED - 2-21-20 THK USER NAME = DESIGNED - JI C FAU 1587 (McCARTHY ROAD) DRAWN - JFP REVISED FAU 1065 (ILLINOIS STREET) TO CH500JSW (WALKER ROAD CHECKED — THK REVISED #19383 BIKE LANES AND RESURFACING - 7-6-17 PLOT DATE = DATE REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** MAINTENANCE OF TRAFFIC
STA. 78+43 TO STA. 84+64, FAU 1587 (McCARTHY ROAD)

PIPE HANDRAIL DETAILS

"=5" SHEET NO. OF SHEETS STA. TO STA.

Illinois Professional Design Firm No. 184-000928									
F.A.U. RTE.	SEC.	TION		COUNTY	TOTAL SHEETS	SHEET NO.			
1587	14-0005	2-00-E	T		COOK	91	28		
				Т	CONTRA	CT NO. 61	G86		
FED. RO	DAD DIST. NO.	ILLINOIS	FED.	AID	PROJECT	78Q5 (27	79)		