

52

LEGEND:

- **★**PROTECTED PHASE
- ← -(*)- PROTECTED/PERMITTED PHASE
- √
 →

 PEDESTRIAN PHASE

 Output

 Description

 PEDESTRIAN

 PHASE

 Output

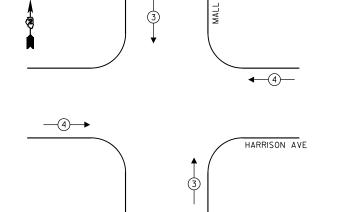
 Description

 PEDESTRIAN

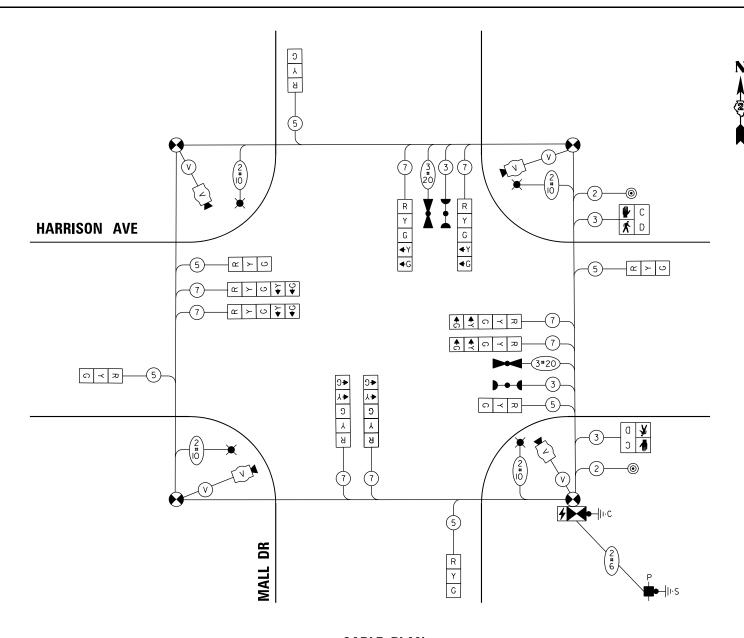
 PHASE

 PHAS
- ◆ OL OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

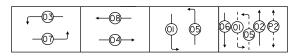


TEMPORARY E	MERGENCY \	VEHICLE PREEMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↓ ↑	←



CABLE PLAN (NOT TO SCALE)

PHASE SEQUENCE CHART



SUGGESTED TIMINGS (SECONDS)

				(<u> </u>			
ТҮРЕ	1	2	3	4	5	6	7	8
MINIMUM GREEN	3	8	3	15	3	8	3	15
PASSAGE	3	4	3	7	3	4	3	7
MAXIMUM I	15	50	15	60	15	50	15	60
YELLOW CHANGE	3.5	4	3.5	4	3.5	4	3.5	4
RED CLEARANCE	0	2	1	2	0	2	1	2
RECALL MODE	OFF	OFF	OFF	MIN	OFF	OFF	OFF	MIN
WALK		7						
FLASH DW		43						
ACTUATED CYCLE LENGTH = 120								

NOTES:

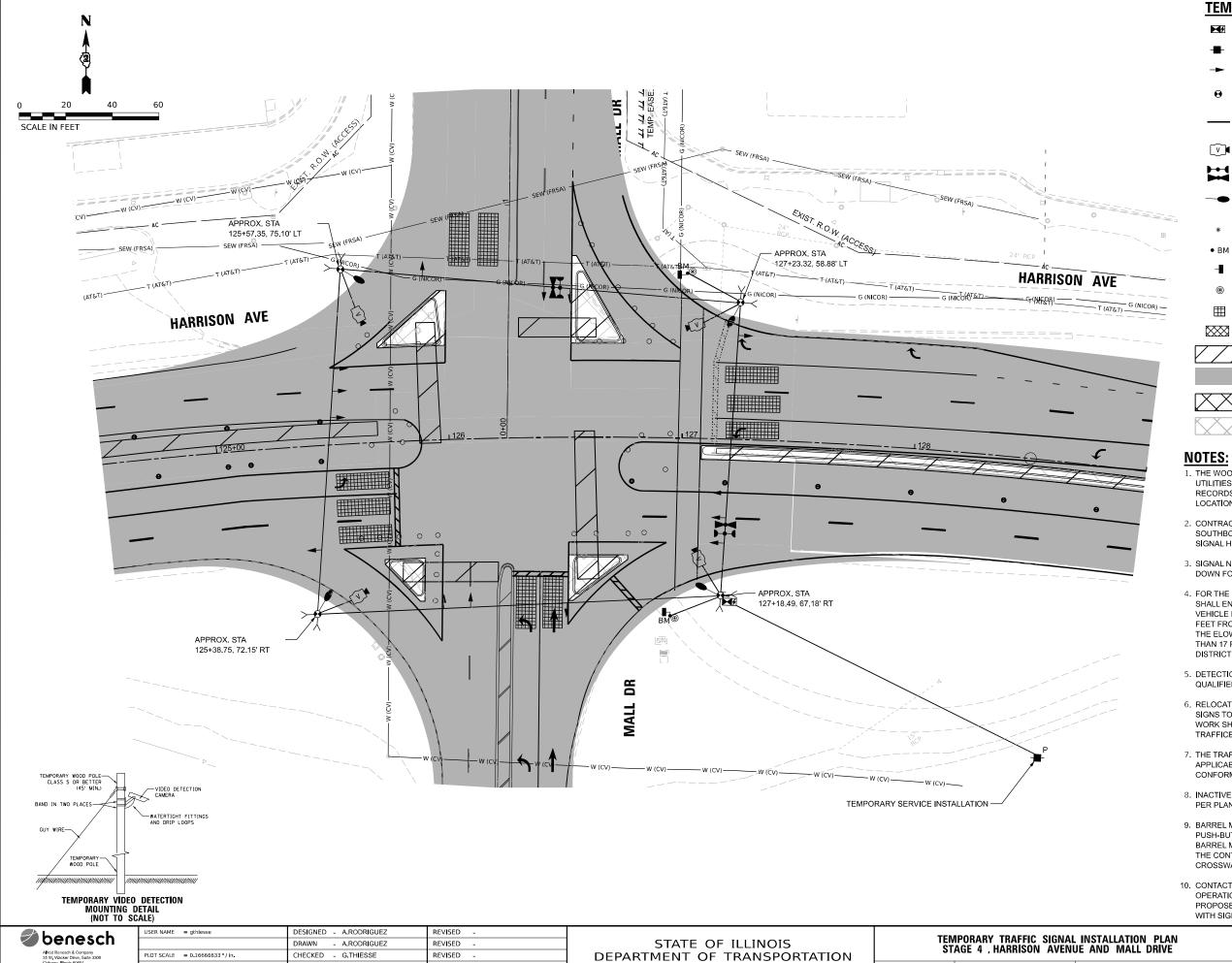
I. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

benesch
Alred Benesch & Company
35 W. Wacker Drive, Subr 3000
Chicago, Illinde 60801
312-656-0450 Job No, 10800,00

ISER NAME = gthiesse DESIGNED - A.RODRIGUEZ	REVISED
DRAWN - A.RODRIGUEZ	REVISED
LOT SCALE = 0.167 / in. CHECKED - G.THIESSE	REVISED
LOT DATE = 10/12/2023 DATE - 10/13/2023	REVISED

CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,	F.A.* RTE
MPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE,	*
AGE, STAGE 3 & 3B — HARRISON AVENUE AND MALL DRIVI	TS-2
SHEET 26 OF 58 SHEETS STA. TO STA.	

F.A.* RTE	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.
*	(5)RS & (5&5HB)R	С	WINNEBAGO	1279	601
TS-26			CONTRACT	NO. 64F	٦71
	ILLINOIS	FED. AI	D PROJECT		



PLOT DATE = 10/12/2023

DATE

- 10/13/2023

REVISED

TEMPORARY TRAFFIC SIGNAL LEGEND

TEMPORARY SIGNAL CONTROLLER

TEMPORARY SERVICE INSTALLATION

TEMPORARY SIGNAL HEAD

TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM

TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE

TEMPORARY VIDEO DETECTION CAMERA

TEMPORARY VEHICLE LIGHT DETECTOR/ CONFIRMATION BEACON

TEMPORARY 15' MAST ARM AND LED LUMINAIRE OUTPUT DESIGNATION G

BAG AND DEACTIVATE ENTIRE SIGNAL HEAD

TEMPORARY BARREL MOUNTED POST

PEDESTRIAN SIGNAL HEAD

PEDESTRIAN PUSH BUTTON

VIDEO DETECTION

IMPACT ATTENUATORS, TEMPORARY

WORK ZONE

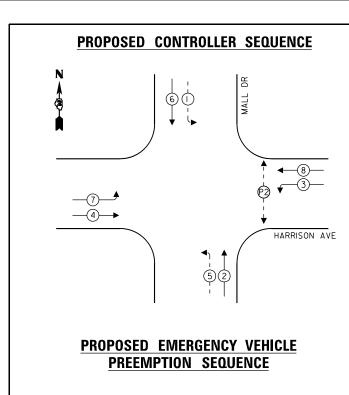
COMPLETED CONSTRUCTION (PREVIOUS STAGE WORK ZONE)

TEMPORARY PAVEMENT



COMPLETED TEMPORARY PAVEMENT (PREVIOUS STAGE WORK ZONE)

- 1. THE WOOD POLES SHALL BE LOCATED TO AVOID BURIED UTILITIES, LOCATIONS OF BURIED UTILITIES ARE BASED ON RECORDS. THE CONTRACTOR SHALL FIELD SURVEY THE FINAL LOCATION OF EACH WOOD POLE.
- 2. CONTRACTOR TO RELOCATE (ON SPAN WIRE) NORTHBOUND, SOUTHBOUND, EASTBOUND, AND WESTBOUND TEMPORARY SIGNAL HEADS ACCORDINGLY DURING MOT LANE SHIFTING.
- 3. SIGNAL NETWORK AND TRAFFIC CAMERAS SHALL NOT BE DOWN FOR MORE THAN FOUR HOURS.
- 4. FOR THE PURPOSE OF ADVANCE DETECTION, THE CONTRACTOR SHALL ENSURE THE VERTICAL CLEARANCE OF THE EMERGENCY VEHICLE PREEMPTION (EVP) EQUIPMENT TO BE BETWEEN 17-18 FEET FROM THE TOP OF ROADWAY GRADE TO THE BOTTOM OF THE ELOWEST PART OF THE EVP EQUIPMENT, BUT NO LESS THAN 17 FEET. CONTACT CHERRY VALLEY FIRE PROTECTION DISTRICT 815-332-5382 TO VERIFY APPROPRIATE OPERATIONS.
- 5. DETECTION ZONES SHALL BE DETERMINED IN THE FIELD BY A QUALIFIED SIGNAL TECHNICIAN.
- 6. RELOCATE EXISTING MAST ARM MOUNTED STREET NAME SIGNS TO THE TEMPORARY TRAFFIC SIGNAL SUPPORT. THIS WORK SHALL BE INCLUDED IN THE COST OF TEMPORARY TRAFFICE SIGNAL INSTALLATION.
- 7. THE TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL APPLICABLE MUTCD STANDARDS AND ALL WORK SHALL CONFORM TO NEC REQUIREMENTS.
- 8. INACTIVE SIGNAL HEADS SHALL BE DE-ENERGIZED AND BAGGED
- 9. BARREL MOUNTED POSTS WITH PEDESTRIAN SIGNAL HEADS AND PUSH-BUTTONS SHALL BE PROVIDED FOR ALL CROSSWALKS. BARREL MOUNTED POSTS SHALL BE RELOCATED AS NEEDED. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN CROSSWALK ACCESS AT ALL TIMES.
- 10. CONTACT SCOTT KULLERSTRAND IDOT BUREAU OF OPERATIONS 815-284-5468, TWO WEEKS IN ADVANCE TO DISCUSS PROPOSED CONSTRUCTION TRAFFIC PLANS AND TO ASSIST WITH SIGNAL TIMINGS.



LEGEND:

- **←**(*)— PROTECTED PHASE
- ← -(*)- PROTECTED/PERMITTED PHASE
- √
 →

 PEDESTRIAN PHASE

 Output

 Description

 PEDESTRIAN

 PHASE

 Output

 Description

 PEDESTRIAN

 PHASE

 Output

 Description

 PEDESTRIAN

 PHASE

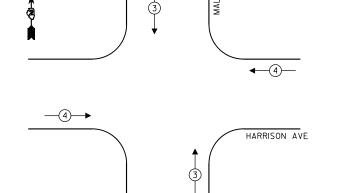
 Output

 Description

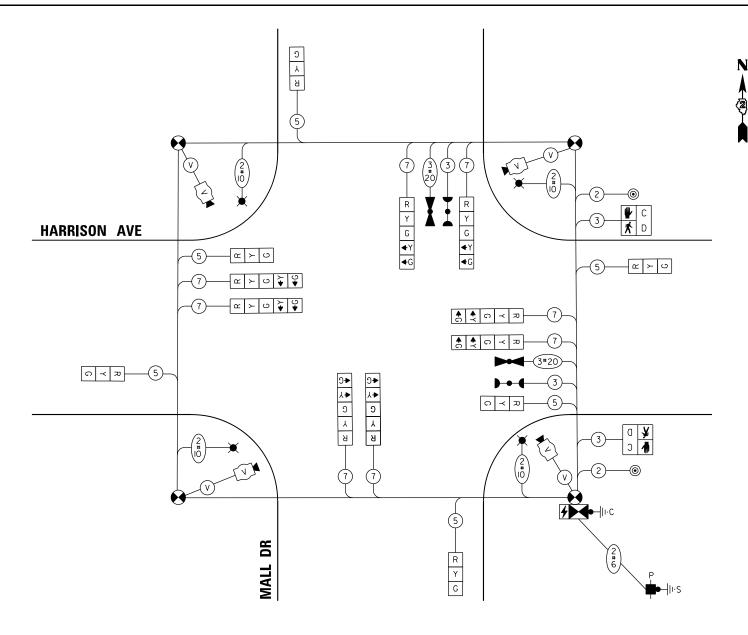
 PEDESTRIAN

 PHASE

 PHASE
- OL OVERLAP



TEMPORARY E	MERGENCY VEH	ICLE PREEMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	1	←



CABLE PLAN (NOT TO SCALE)

PHASE SEQUENCE CHART

<u></u>		
─	-@-	

SUGGESTED TIMINGS (SECONDS)

SOGGESTED THEIRINGS (SECONDS)								
ТҮРЕ	1	2	3	4	5	6	7	8
MINIMUM GREEN	3	8	3	15	3	8	3	15
PASSAGE	3	4	3	7	3	4	3	7
MAXIMUM I	15	50	15	60	15	50	15	60
YELLOW CHANGE	3.5	4	3.5	4	3.5	4	3.5	4
RED CLEARANCE	0	2	1	2	0	2	1	2
RECALL MODE	OFF	OFF	OFF	MIN	OFF	OFF	OFF	MIN
WALK		7						
FLASH DW		43						
ACTUATED CYCLE LENGTH = 120								

NOTES:

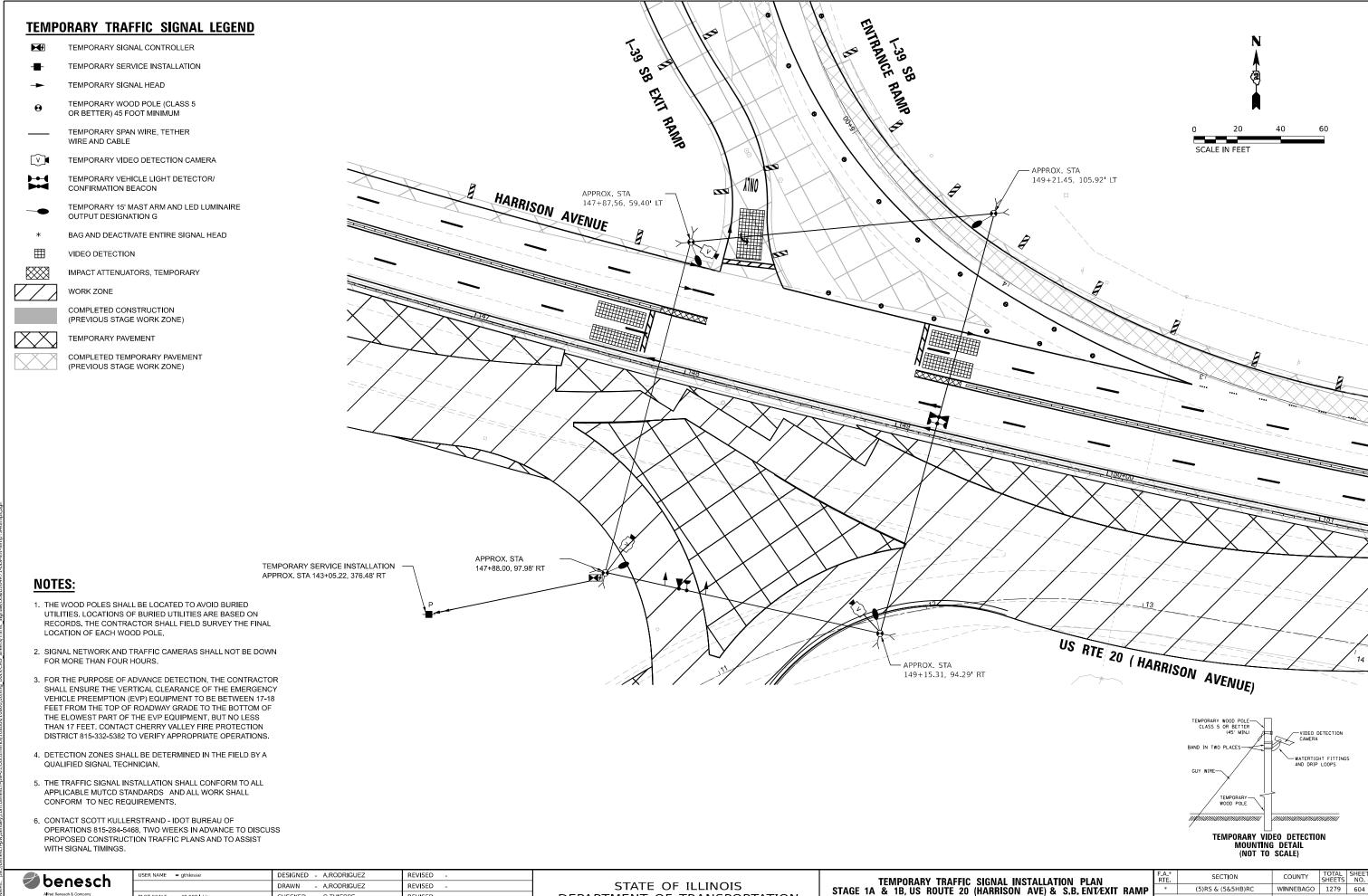
I. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

benesch	:h
Alfred Benesch & Company	
35 W. Wacker Drive, Suite 3300	
Chicago, Illinois 60601	
312-565-0450 Job No. 10809.00	00.0080

USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED
	DRAWN - A.RODRIGUEZ	REVISED
PLOT SCALE = 0.167 / in.	CHECKED - G.THIESSE	REVISED
PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED

								F
							EMPTION SEQUENCE,	
5	AGE 4	— н	AKKI	20I/I	AVEN	UE ANI	D MALL DRIVE	Т
SCALE: NTS	SHEET	28	OF	58	SHEETS	STA.	TO STA.	Н

F.A.* RTE	SECT	TION		COUNTY	TOTAL SHEETS	SHEE NO.
*	(5)RS & (5	&5HB)R	С	WINNEBAGO	1279	603
TS-28				CONTRACT	NO. 64	٦71
		ILLINOIS	FED. AI	D PROJECT		



DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20' SHEET 29 OF 58 SHEETS STA.

CHECKED - G.THIESSE

- 10/13/2023

DATE

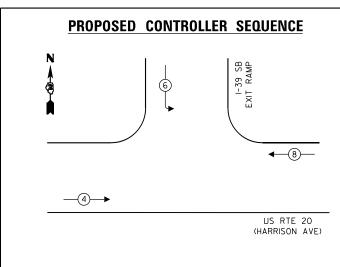
PLOT DATE = 10/12/2023

REVISED

REVISED -

* FAI ROUTE 39 (I-39) & FAP ROUTE 525 (US 20)

CONTRACT NO. 64R71



LEGEND:

- **◆ * PROTECTED PHASE**
- ← -(*)- PROTECTED/PERMITTED PHASE
- √
 →

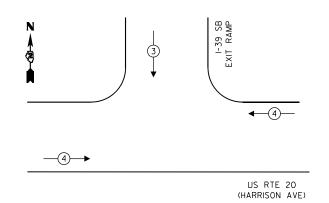
 PEDESTRIAN PHASE

 Output

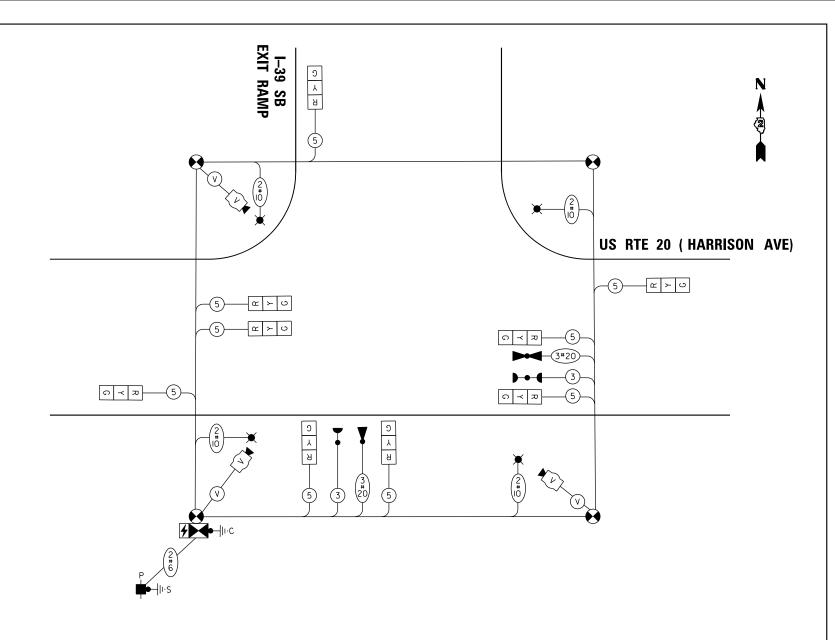
 Description

 A description
- ◆ OL OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY EI	MERGENCY VEHIC	LE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4		
MOVEMENT				



CABLE PLAN (NOT TO SCALE)

PHASE SEQUENCE CHART



SUGGESTED TIMINGS (SECONDS)

ТҮРЕ	1	2	3	4	5	6	7	8
MINIMUM GREEN				15		8		15
PASSAGE				7		4		7
MAXIMUM I				40		16		40
YELLOW CHANGE				4		4		4
RED CLEARANCE				4		4		4
RECALL MODE				MIN		OFF		MIN
ACTUATED CYCLE LENGTH = 120								

NOTES:

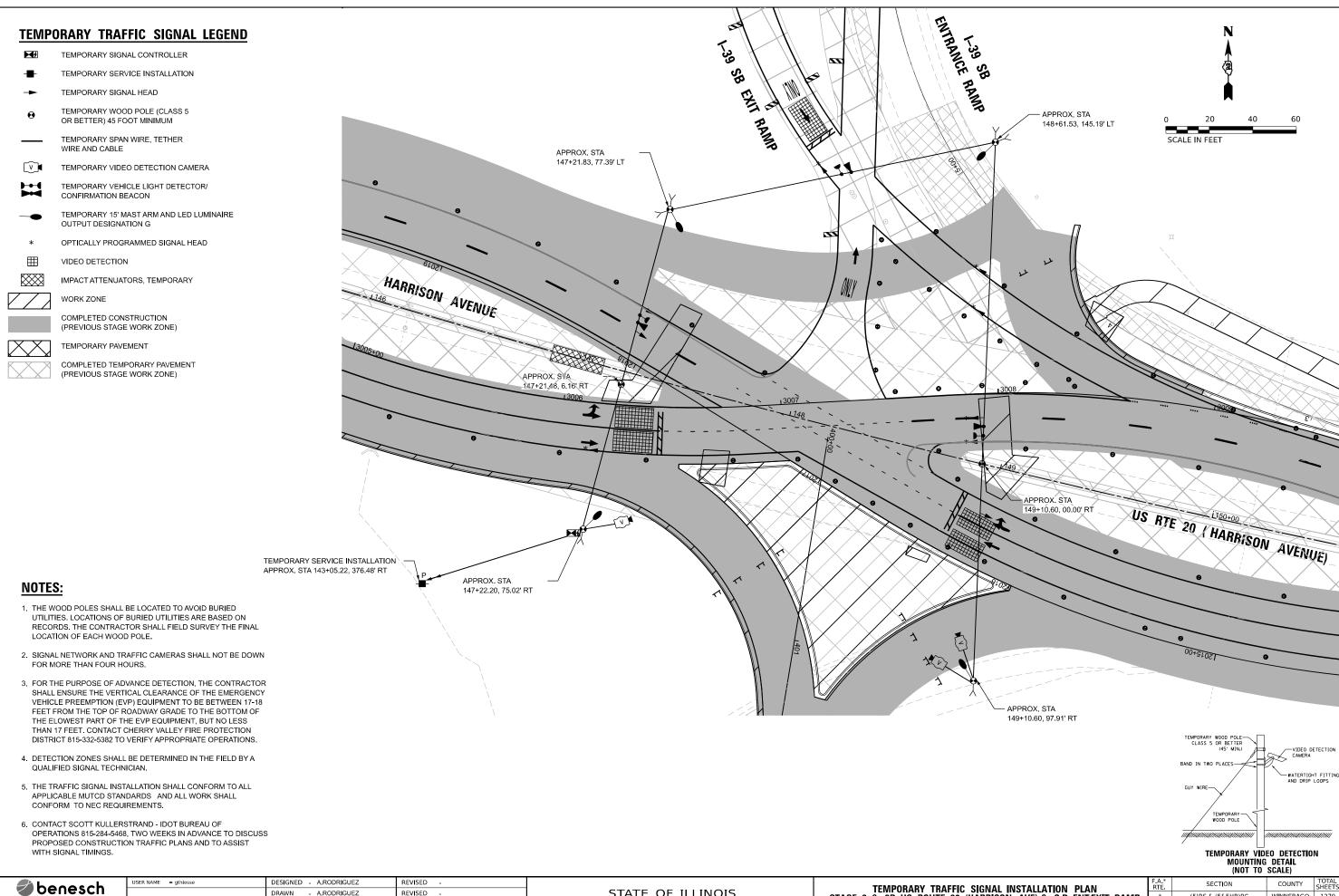
I. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

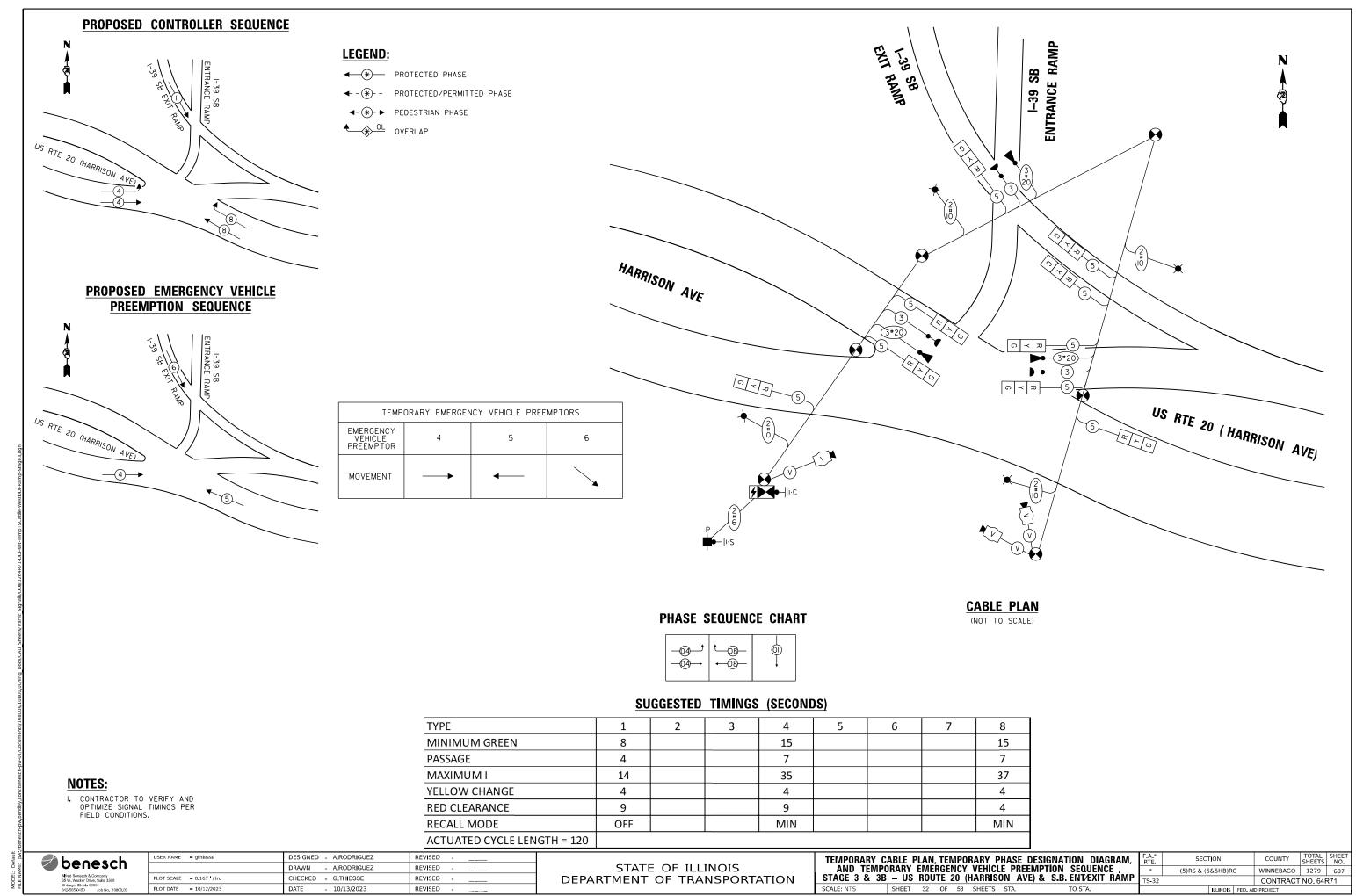
9	benesch
	Affred Benesch & Company
	35 W. Wacker Drive, Suite 3300
	Chicago, Illinois 60601
	312-565-0450 Job No. 10800.00

USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED
	DRAWN - A.RODRIGUEZ	REVISED
PLOT SCALE = 0.167 / in.	CHECKED - G.THIESSE	REVISED
PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED

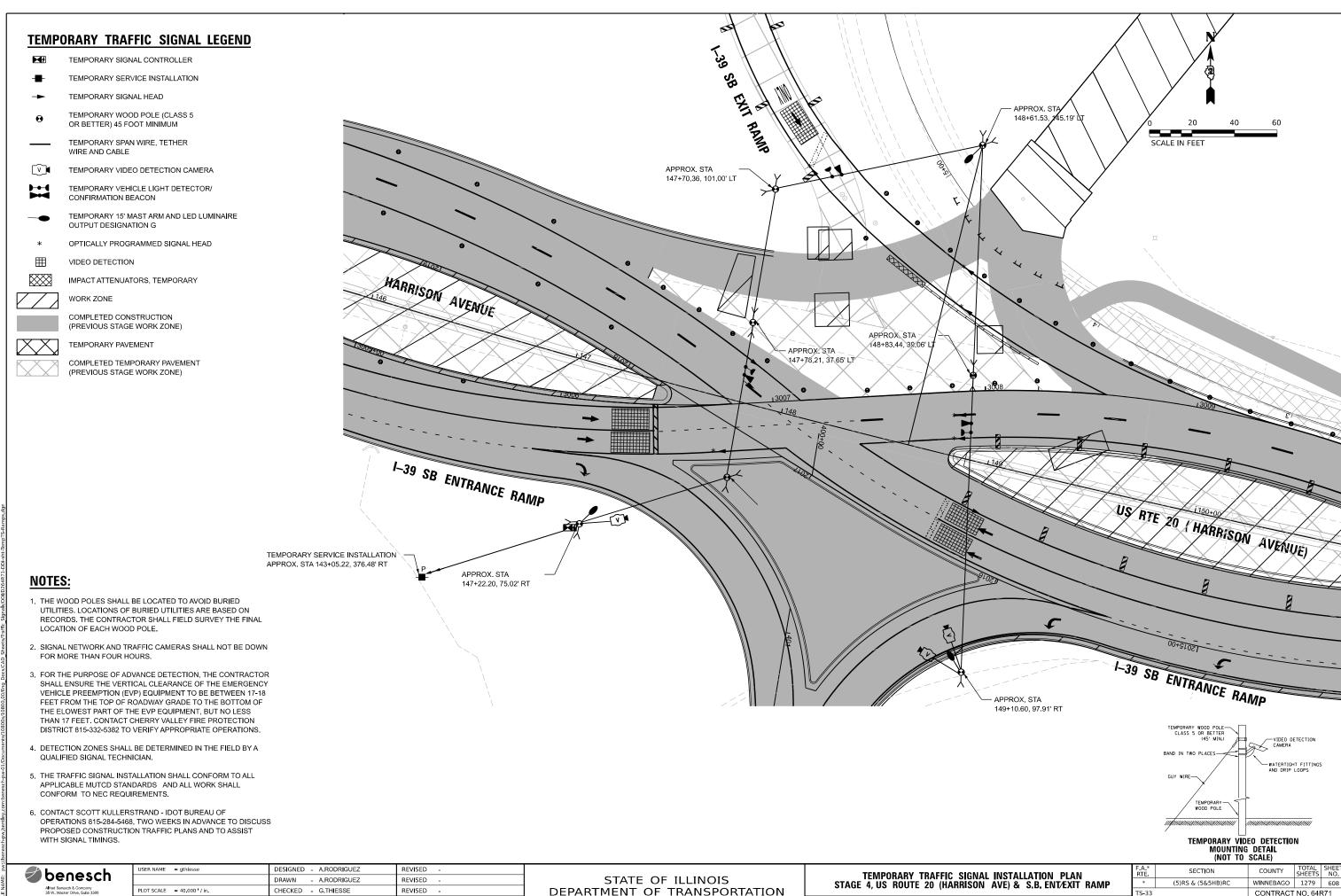
TEMPORARY CA										F./ RT
AND TEMPO	KAKY	FMFI	KGE	NCY	VEHICL	E PH	REFINELL	N SEQUEN	CE,	
STAGE 1A & 1B	- 05	KUL	JIE	20	(HAKKIS	NO	AVE) & 3	S.B. EN I/EXI	I KAWIP	TS
SCALE: NTS	SHEET	30	OF	58	SHEETS	STA.		TO STA.		

F.A.* RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.
*	(5)RS & (5&5HB)Re	С	WINNEBAGO	1279	605
TS-30			CONTRACT	NO. 64F	۲ 71
	ILLINOIS	FED. AI	D PROJECT		





* FAI ROUTE 39 (I-39) & FAP ROUTE 525 (US 20)



PLOT DATE = 10/12/2023

DATE

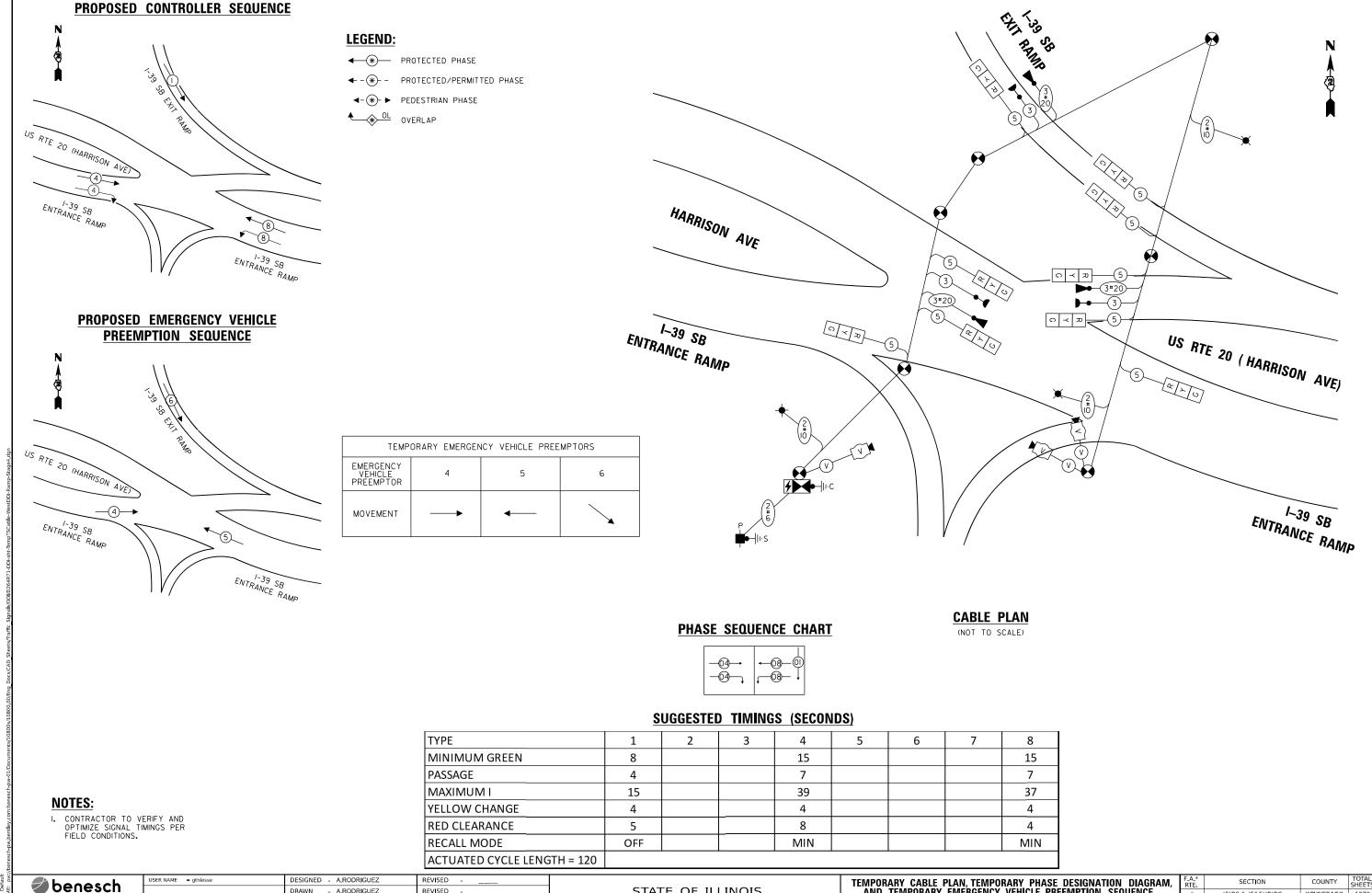
- 10/13/2023

REVISED

* FAI ROUTE 39 (I-39) & FAP ROUTE 525 (US 20)

SCALE: 1"=20' SHEET 33 OF 58 SHEETS STA.

CONTRACT NO. 64R71

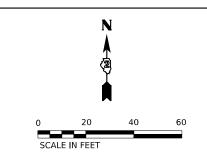


Alfred Benesch & Company 35 W. Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10800 I

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE, STAGE 4 - US ROUTE 20 (HARRISON AVE) & S.B. ENT/EXIT RAMP

SCALE: NTS SHEET 34 OF 58 SHEETS STA. TO STA.



TEMPORARY TRAFFIC SIGNAL LEGEND

TEMPORARY SIGNAL CONTROLLER

TEMPORARY SERVICE INSTALLATION

→ TEMPORARY SIGNAL HEAD

TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM

TEMPORARY SPAN WIRE, TETHER
WIRE AND CABLE

TEMPORARY VIDEO DETECTION CAMERA

TEMPORARY VEHICLE LIGHT DETECTOR/
CONFIRMATION BEACON

TEMPORARY 15' MAST ARM AND LED LUMINAIRE OUTPUT DESIGNATION G

* OPTICALLY PROGRAMMED SIGNAL HEAD

VIDEO DETECTION

IMPACT ATTENUATORS, TEMPORARY

WORK ZONE

COMPLETED CONSTRUCTION (PREVIOUS STAGE WORK ZONE)

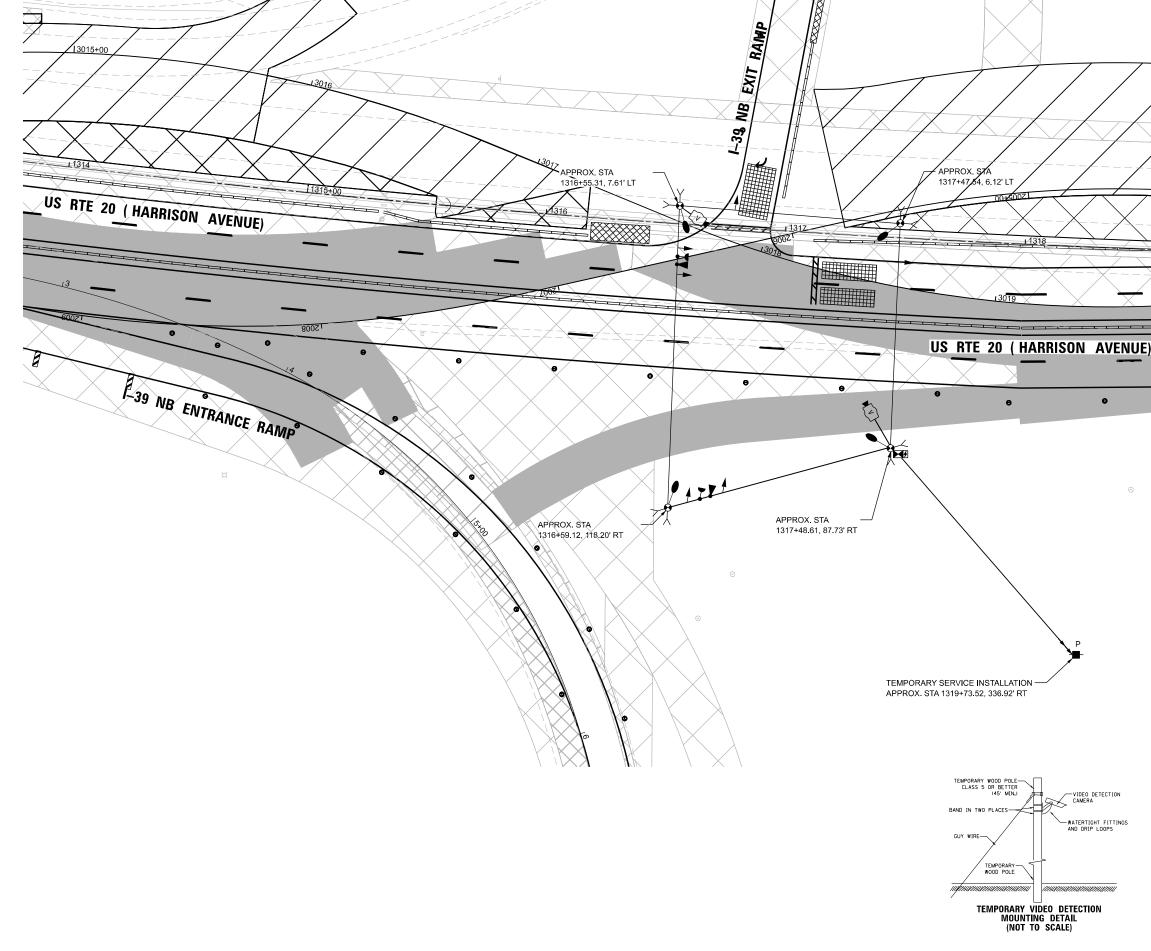
(PREVIOUS STAGE WORK ZONE)

TEMPORARY PAVEMENT

COMPLETED TEMPORARY PAVEMENT

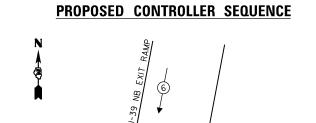
NOTES:

- THE WOOD POLES SHALL BE LOCATED TO AVOID BURIED
 UTILITIES. LOCATIONS OF BURIED UTILITIES ARE BASED ON
 RECORDS. THE CONTRACTOR SHALL FIELD SURVEY THE FINAL
 LOCATION OF EACH WOOD POLE.
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- 3. FOR THE PURPOSE OF ADVANCE DETECTION, THE CONTRACTOR SHALL ENSURE THE VERTICAL CLEARANCE OF THE EMERGENCY VEHICLE PREEMPTION (EVP) EQUIPMENT TO BE BETWEEN 17-18 FEET FROM THE TOP OF ROADWAY GRADE TO THE BOTTOM OF THE ELOWEST PART OF THE EVP EQUIPMENT, BUT NO LESS THAN 17 FEET. CONTACT CHERRY VALLEY FIRE PROTECTION DISTRICT 815-332-5382 TO VERIFY APPROPRIATE OPERATIONS.
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- 5. THE TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL APPLICABLE MUTCD STANDARDS AND ALL WORK SHALL CONFORM TO NEC REQUIREMENTS.
- 6. CONTACT SCOTT KULLERSTRAND IDOT BUREAU OF OPERATIONS 815-284-5468, TWO WEEKS IN ADVANCE TO DISCUSS PROPOSED CONSTRUCTION TRAFFIC PLANS AND TO ASSIST WITH SIGNAL TIMINGS.



USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED -
	DRAWN - A.RODRIGUEZ	REVISED -
PLOT SCALE = 40.000 / in.	CHECKED - G.THIESSE	REVISED -
PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED -

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN						F.A.* RTE.	F.A.* SECTION			
STAGE 2, US ROUTE 20 (HARRISON AVE) & NB ENT/EXIT RAMP				*	(5)F	RS & (58	&5F			
							TS-3	5		
: 1"=20"	SHEET	35	OF 5	58 SHEETS	STA.	TO STA.				ILLIN

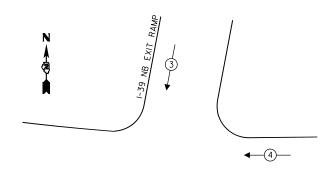


US RTE 20 (HARRISON AVE)

PROPOSED EMERGENCY VEHICLE

PREEMPTION SEQUENCE

4—8—

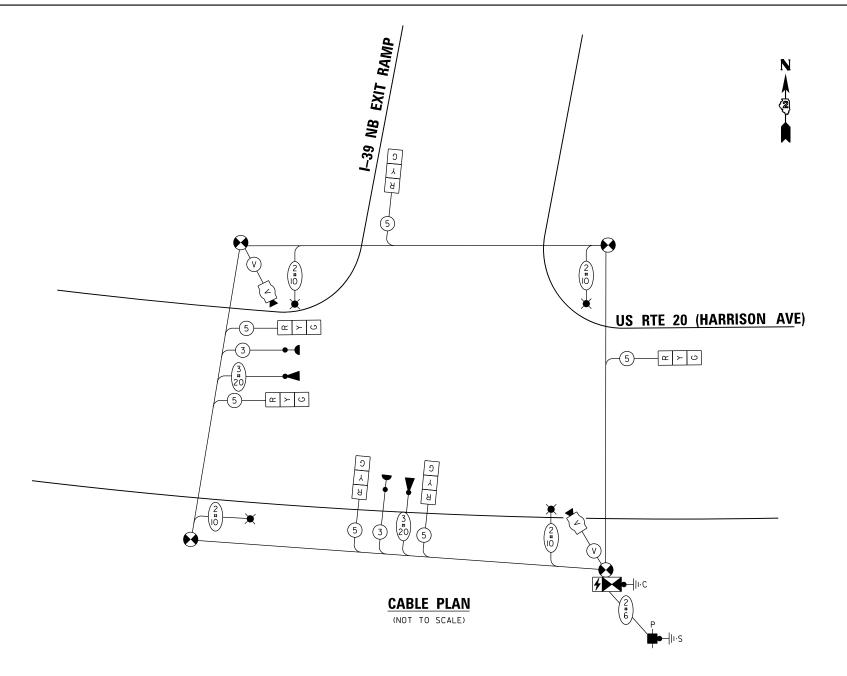


US RTE 20 (HARRISON AVE)

LEGEND:

- **◆ * PROTECTED PHASE**
- ← -(*)- PROTECTED/PERMITTED PHASE
- √
 →
 →
 PEDESTRIAN PHASE
- OL OVERLAP

TEMPORARY E	MERGENCY VEHI	CLE PREEMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	\	-



PHASE SEQUENCE CHART



SUGGESTED TIMINGS (SECONDS)

_			•					
TYPE	1	2	3	4	5	6	7	8
MINIMUM GREEN						8		15
PASSAGE						4		7
MAXIMUM I						15		39
YELLOW CHANGE						4		4
RED CLEARANCE						4		4
RECALL MODE						OFF		MIN
ACTUATED CYCLE LENGTH = 70								

NOTES:

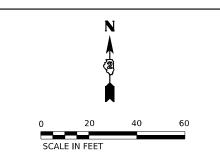
I. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

1	benesch
	Alfred Benesch & Company 35 W. Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10800.00

USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED
	DRAWN - A.RODRIGUEZ	REVISED
PLOT SCALE = 0.167 / in.	CHECKED - G.THIESSE	REVISED
PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED

TEMPORARY CA									F
AND TEMPO STAGE 2 -									L
STAGE Z -	03 110	UIL Z	אוון י	IIIIIJOIN	AVL	ND	LIN I/ LAI I	INAIVII	Ţ
SCALE: NTS	SHEET	36 O	- 58	SHEETS	STA		TO STA		

F.A.* RTE	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.
*	(5)RS & (5&5HB)RC	:	WINNEBAGO	1279	611
TS-36			CONTRACT	NO. 64F	R71
	ILLINOIS	FED All	D PROJECT		



TEMPORARY TRAFFIC SIGNAL LEGEND

TEMPORARY SIGNAL CONTROLLER

■- TEMPORARY SERVICE INSTALLATION

→ TEMPORARY SIGNAL HEAD

TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM

TEMPORARY SPAN WIRE, TETHER
WIRE AND CABLE

TEMPORARY VIDEO DETECTION CAMERA

TEMPORARY VEHICLE LIGHT DETECTOR/
CONFIRMATION BEACON

TEMPORARY 15' MAST ARM AND LED LUMINAIRE

OUTPUT DESIGNATION G

OPTICALLY PROGRAMMED SIGNAL HEAD

₩ VIDEO DETECTION

IMPACT ATTENUATORS, TEMPORARY

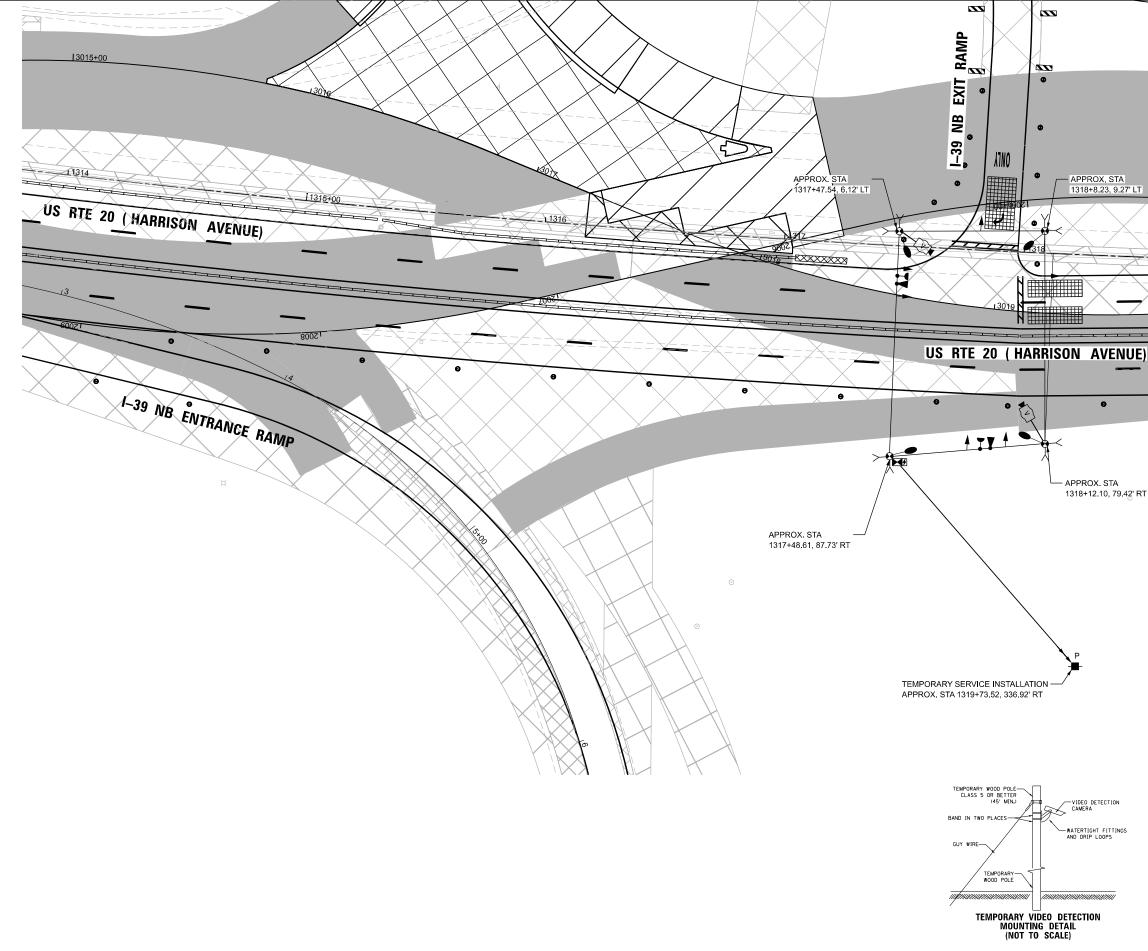
COMPLETED CONSTRUCTION
(PREVIOUS STAGE WORK ZONE)

TEMPORARY PAVEMENT

COMPLETED TEMPORARY PAVEMENT (PREVIOUS STAGE WORK ZONE)

NOTES:

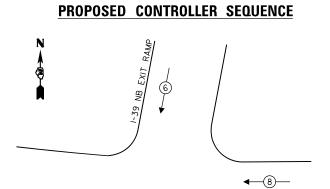
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- 6. CONTACT SCOTT KULLERSTRAND IDOT BUREAU OF OPERATIONS 815-284-5468, TWO WEEKS IN ADVANCE TO DISCUSS PROPOSED CONSTRUCTION TRAFFIC PLANS AND TO ASSIST WITH SIGNAL TIMINGS.



9	benesch
	Alfred Benesch & Company 35 W. Wacker Drive, Suite 3300
	Chicago, Illinois 60601

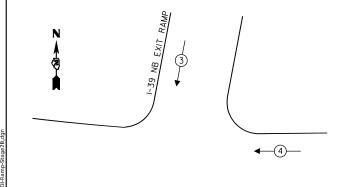
DRAWN - A.RODRIGUEZ REVISED - PLOT SCALE = 40.000 '/ in. CHECKED - G.THIESSE REVISED -	-	REVISED	- A.RODRIGUEZ	DESIGNED	= gthiesse	USER NAME
	-	REVISED	- A.RODRIGUEZ	DRAWN		
DATE TOWNSON DELICED	-	REVISED	- G.THIESSE	CHECKED	= 40.000 / in.	PLOT SCALE
PLOT DATE = 10/12/2023 DATE - 10/13/2023 REVISED -	-	REVISED	- 10/13/2023	DATE	= 10/12/2023	PLOT DATE

							F.A.* RTE	SECT	TION		COUNTY	TOTAL SHEETS	SHEET NO.	
STAGE 2B, US ROUTE 20 (HARRISON AVE) & NB ENT/EXIT RAMP						*	(5)RS & (5	&5HB)R	С	WINNEBAGO	1279	612		
			'			,		TS-37				CONTRACT	NO. 64	R71
ALE: 1"=20'	SHEET	37	OF	58	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		



US RTE 20 (HARRISON AVE)

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



US RTE 20 (HARRISON AVE)

TEMPORARY EI	MERGENCY	VEHIC	LE PREEMPTORS
EMERGENCY VEHICLE PREEMPTOR	3		4
MOVEMENT			←—

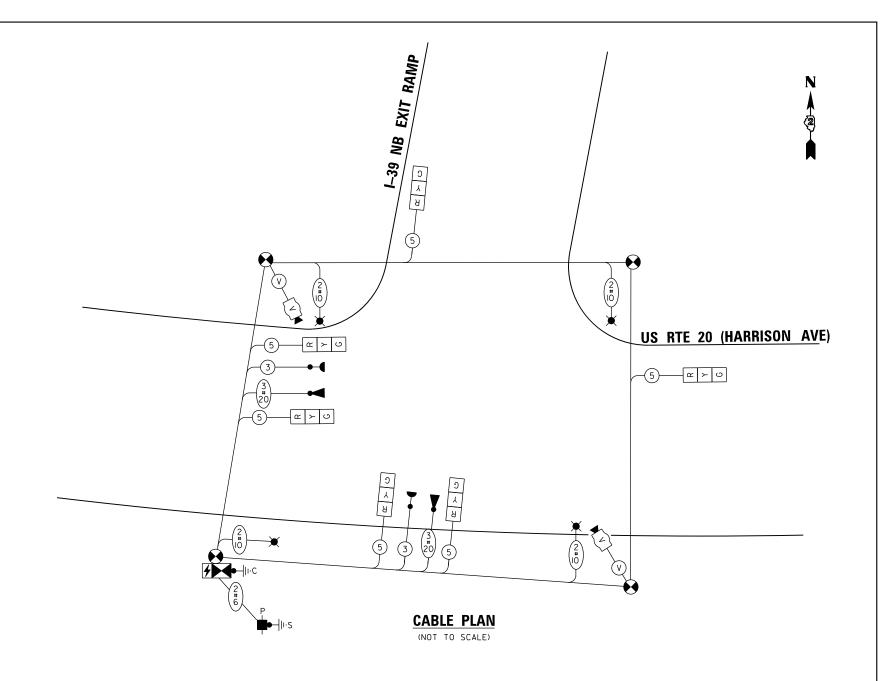
LEGEND:

←(*) PROTECTED PHASE

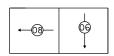
◆- *- PEDESTRIAN PHASE

◆ OL OVERLAP

← -(*)- - PROTECTED/PERMITTED PHASE



PHASE SEQUENCE CHART



SUGGESTED TIMINGS (SECONDS)

TYPE	1	2	3	4	5	6	7	8
MINIMUM GREEN						8		15
PASSAGE						4		7
MAXIMUM I						15		39
YELLOW CHANGE						4		4
RED CLEARANCE						4		4
RECALL MODE						OFF		MIN
ACTUATED CYCLE LENGTH = 70								

NOTES:

I. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

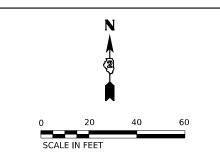
benesch
Afred Benesch & Company
38 W. Wacker Drive, Subur 3000
Chloago, Blinois 68001
3126569-0550 Job No, 10800,00

USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED
	DRAWN - A.RODRIGUEZ	REVISED
PLOT SCALE = 0.167 / in.	CHECKED - G.THIESSE	REVISED
PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE, STAGE 2B – US ROUTE 20 (HARRISON AVE) & NB ENTÆXIT RAMP

SCALE: NTS SHEET 38 OF 58 SHEETS STA. TO STA.

F.A.* RTE	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.
*	(5)RS & (5&5HB)RC	:	WINNEBAGO	1279	613
TS-38			CONTRACT	NO. 64F	۲71
	ILLINOIS	FED. Al	D PROJECT		



TEMPORARY TRAFFIC SIGNAL LEGEND

TEMPORARY SIGNAL CONTROLLER

■ TEMPORARY SERVICE INSTALLATION

→ TEMPORARY SIGNAL HEAD

TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM

TEMPORARY SPAN WIRE, TETHER
WIRE AND CABLE

TEMPORARY VIDEO DETECTION CAMERA

TEMPORARY VEHICLE LIGHT DETECTOR/ CONFIRMATION BEACON

TEMPORARY 15' MAST ARM AND LED LUMINAIRE OUTPUT DESIGNATION G

* OPTICALLY PROGRAMMED SIGNAL HEAD

₩ VIDEO DETECTION

WORK ZONE

COMPLETED CONSTRUCTION
(PREVIOUS STAGE WORK ZONE)

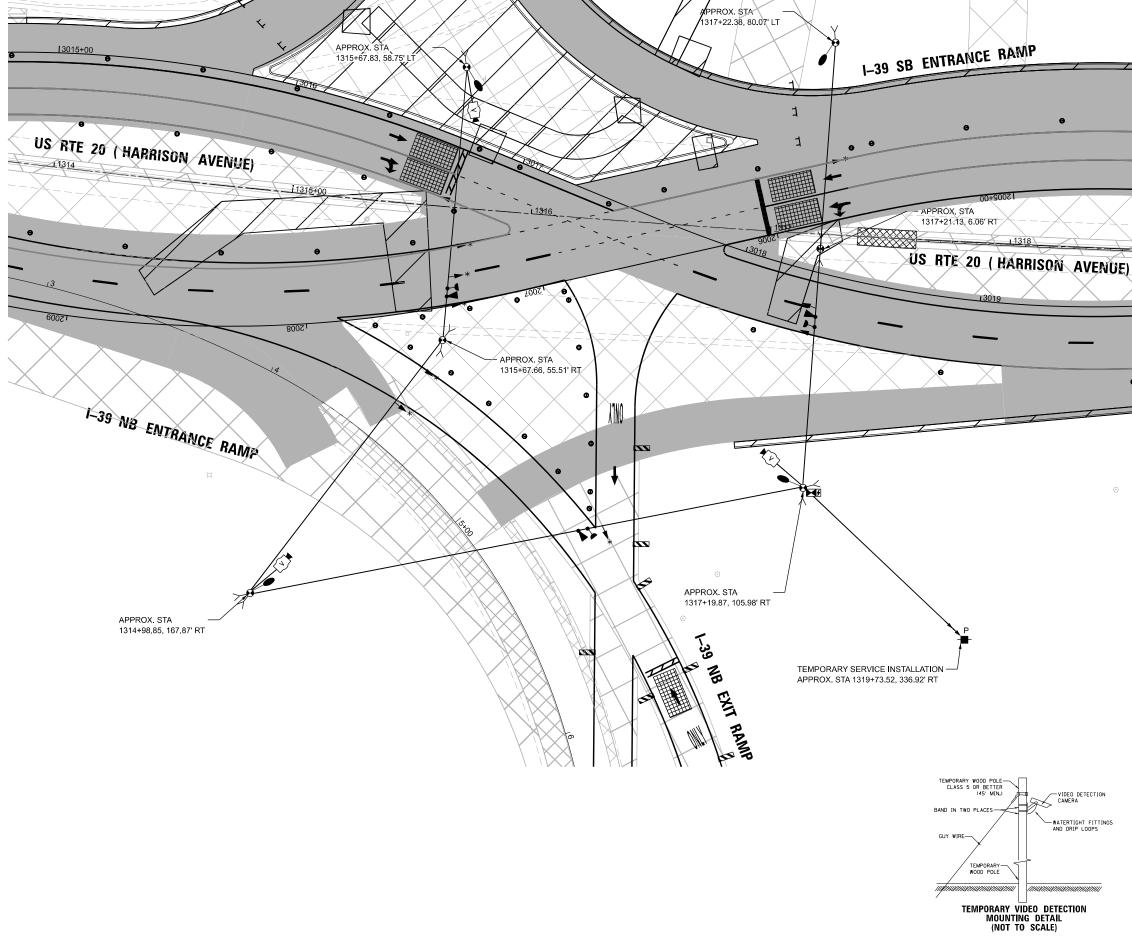
XX

TEMPORARY PAVEMENT

COMPLETED TEMPORARY PAVEMENT (PREVIOUS STAGE WORK ZONE)

NOTES:

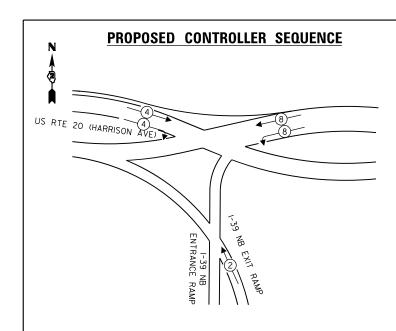
- THE WOOD POLES SHALL BE LOCATED TO AVOID BURIED UTILITIES. LOCATIONS OF BURIED UTILITIES ARE BASED ON RECORDS. THE CONTRACTOR SHALL FIELD SURVEY THE FINAL LOCATION OF EACH WOOD POLE.
- 2. SIGNAL NETWORK AND TRAFFIC CAMERAS SHALL NOT BE DOWN FOR MORE THAN FOUR HOURS.
- 3. FOR THE PURPOSE OF ADVANCE DETECTION, THE CONTRACTOR SHALL ENSURE THE VERTICAL CLEARANCE OF THE EMERGENCY VEHICLE PREEMPTION (EVP) EQUIPMENT TO BE BETWEEN 17-18 FEET FROM THE TOP OF ROADWAY GRADE TO THE BOTTOM OF THE ELOWEST PART OF THE EVP EQUIPMENT, BUT NO LESS THAN 17 FEET. CONTACT CHERRY VALLEY FIRE PROTECTION DISTRICT 815-332-5382 TO VERIFY APPROPRIATE OPERATIONS.
- 4. DETECTION ZONES SHALL BE DETERMINED IN THE FIELD BY A QUALIFIED SIGNAL TECHNICIAN.
- 5. THE TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL APPLICABLE MUTCD STANDARDS AND ALL WORK SHALL CONFORM TO NEC REQUIREMENTS.
- 6. CONTACT SCOTT KULLERSTRAND IDOT BUREAU OF OPERATIONS 815-284-5468, TWO WEEKS IN ADVANCE TO DISCUSS PROPOSED CONSTRUCTION TRAFFIC PLANS AND TO ASSIST WITH SIGNAL TIMINGS.



1	baaaab
	benesch
	Alfred Benesch & Company
	35 W. Wacker Drive, Suite 3300
	Chicago, Illinois 60601
	312-565-0450 Joh No. 10800 00

	USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED -
1		DRAWN - A.RODRIGUEZ	REVISED -
	PLOT SCALE = 40.000 / in.	CHECKED - G.THIESSE	REVISED -
00	PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED -

							TION PLAN N.B. ENT/EXIT	RAMP	F.A.* RTE.
	-,			,					TS-39
CALE: 1"=20'	SHEET	39	OF	58	SHEETS	STA.	TO STA.		



LEGEND:

- **★** PROTECTED PHASE
- ← (*)- PROTECTED/PERMITTED PHASE
- ◆
 ◆
 PEDESTRIAN PHASE

 Output

 Description

 PEDESTRIAN

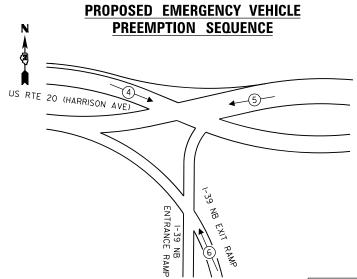
 PHASE

 Output

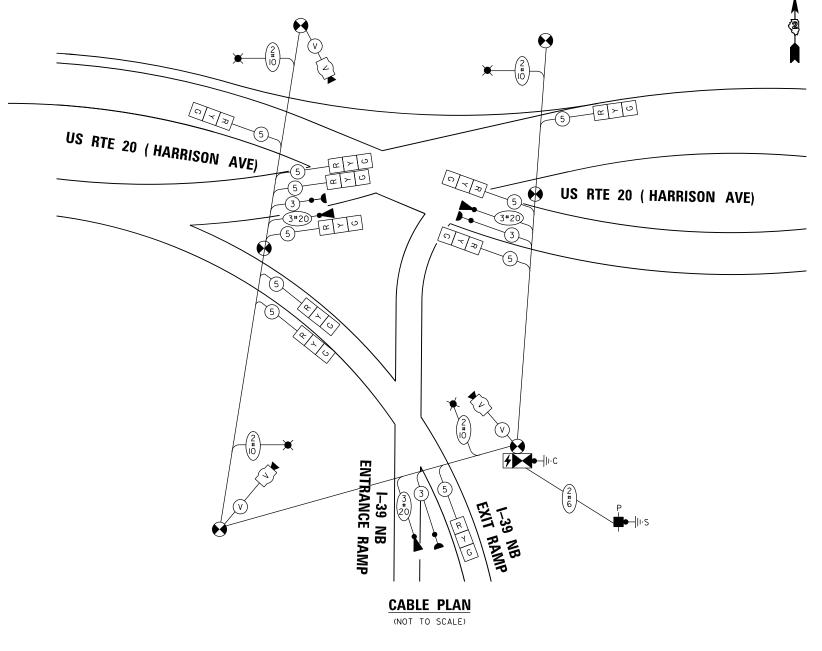
 Description

 PHASE

 P
- OL OVERLAP



TEMP	ORARY EMERGEN	ICY VEHICLE PREE	MPTORS
EMERGENCY VEHICLE PREEMPTOR	4	5	6
MOVEMENT		-	*



PHASE SEQUENCE CHART

-@→	®	†
-09	 08-	

SUGGESTED TIMINGS (SECONDS)

TYPE	1	2	3	4	5	6	7	8
MINIMUM GREEN		8		15				15
PASSAGE		4		7				7
MAXIMUM I		14		37				35
YELLOW CHANGE		4		4				4
RED CLEARANCE		9		4				9
RECALL MODE		OFF		MIN				MIN
ACTUATED CYCLE LENGTH = 120								

NOTES:

I. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

benesch
Afred Benesch & Company
35 W. Wacker Drive, Subt 3000
Chicago, Illinois 60801
312-655-04560 Joh No. 10800.00

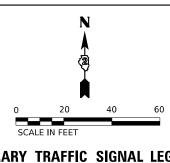
USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED
	DRAWN - A.RODRIGUEZ	REVISED
PLOT SCALE = 0.167 / in.	CHECKED - G.THIESSE	REVISED
PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE, STAGE 3 & 3B — US ROUTE 20 (HARRISON AVE) & N.B. ENTÆXIT RAMP

SCALE: NTS SHEET 40 OF 58 SHEETS STA. TO STA.

F.A.* RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(5)RS & (5&5HB)RC	WINNEBAGO	1279	615
TS-40		CONTRACT	NO. 64	₹71
	ILLINOIS FED. A	ID PROJECT		



TEMPORARY TRAFFIC SIGNAL LEGEND

TEMPORARY SIGNAL CONTROLLER

TEMPORARY SERVICE INSTALLATION

TEMPORARY SIGNAL HEAD

TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM

TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE

[V]¶ TEMPORARY VIDEO DETECTION CAMERA

TEMPORARY VEHICLE LIGHT DETECTOR/ CONFIRMATION BEACON

TEMPORARY 15' MAST ARM AND LED LUMINAIRE OUTPUT DESIGNATION G

OPTICALLY PROGRAMMED SIGNAL HEAD

BAG AND DEACTIVATE ENTIRE SIGNAL HEAD

VIDEO DETECTION

WORK ZONE

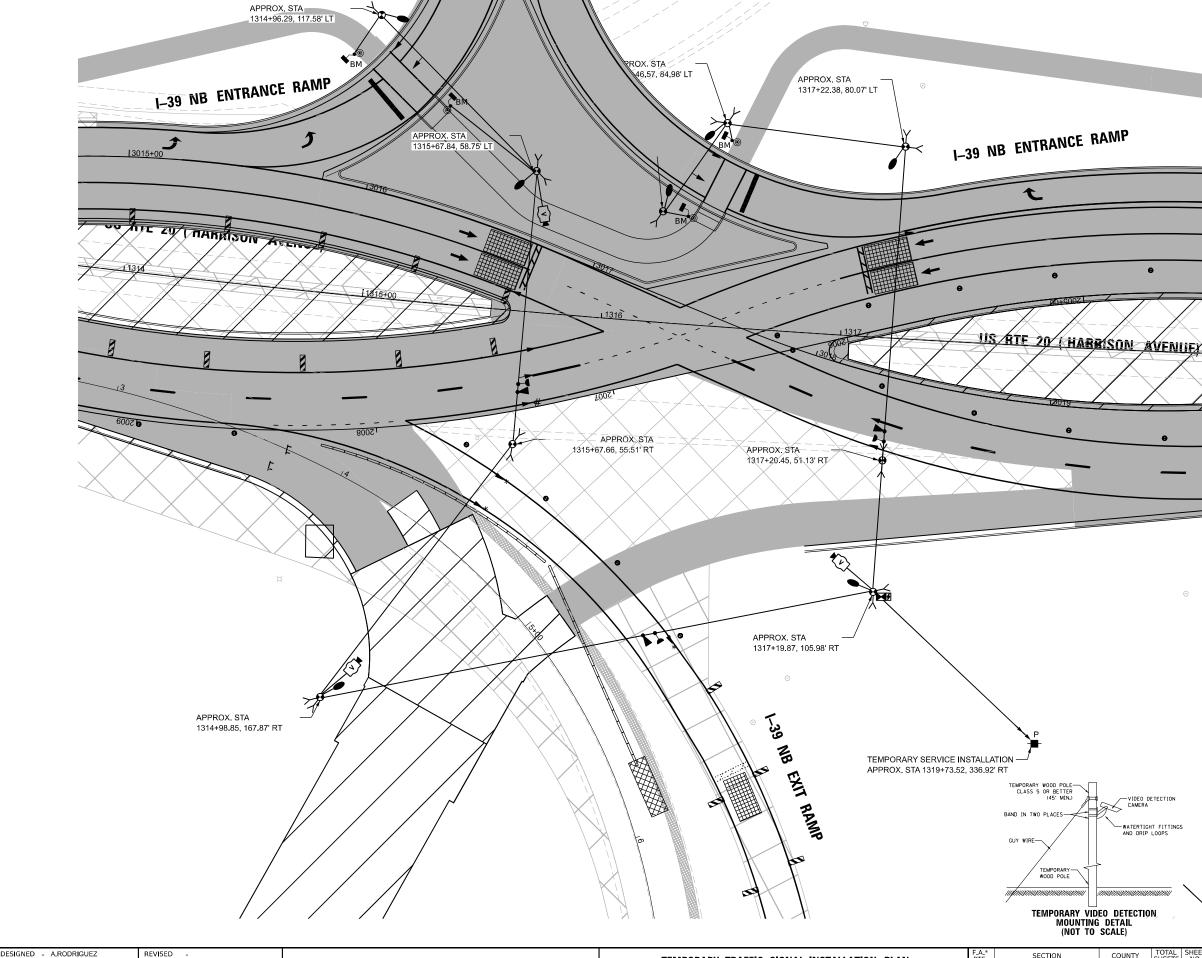
COMPLETED CONSTRUCTION (PREVIOUS STAGE WORK ZONE)

(PREVIOUS STAGE WORK ZONE)

TEMPORARY PAVEMENT COMPLETED TEMPORARY PAVEMENT

NOTES:

- 1. THE WOOD POLES SHALL BE LOCATED TO AVOID BURIED UTILITIES. LOCATIONS OF BURIED UTILITIES ARE BASED ON RECORDS. THE CONTRACTOR SHALL FIELD SURVEY THE FINAL LOCATION OF EACH WOOD POLE.
- 2. SIGNAL NETWORK AND TRAFFIC CAMERAS SHALL NOT BE DOWN FOR MORE THAN FOUR HOURS.
- 3. FOR THE PURPOSE OF ADVANCE DETECTION, THE CONTRACTOR $% \left(1\right) =\left(1\right) \left(1$ SHALL ENSURE THE VERTICAL CLEARANCE OF THE EMERGENCY VEHICLE PREEMPTION (EVP) EQUIPMENT TO BE BETWEEN 17-18 FEET FROM THE TOP OF ROADWAY GRADE TO THE BOTTOM OF THE ELOWEST PART OF THE EVP EQUIPMENT, BUT NO LESS THAN 17 FEET. CONTACT CHERRY VALLEY FIRE PROTECTION DISTRICT 815-332-5382 TO VERIFY APPROPRIATE OPERATIONS.
- 4. DETECTION ZONES SHALL BE DETERMINED IN THE FIELD BY A QUALIFIED SIGNAL TECHNICIAN.
- 5. THE TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL APPLICABLE MUTCD STANDARDS AND ALL WORK SHALL CONFORM TO NEC REQUIREMENTS.
- 6. INACTIVE SIGNAL HEADS SHALL BE DE-ENERGIZED AND BAGGED
- 7. BARREL MOUNTED POSTS WITH PEDESTRIAN SIGNAL HEADS AND PUSH-BUTTONS SHALL BE PROVIDED FOR ALL CROSSWALKS. BARREL MOUNTED POSTS SHALL BE RELOCATED AS NEEDED. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN CROSSWALK ACCESS AT ALL TIMES.
- 8. CONTACT SCOTT KULLERSTRAND IDOT BUREAU OF OPERATIONS 815-284-5468, TWO WEEKS IN ADVANCE TO DISCUSS PROPOSED CONSTRUCTION TRAFFIC PLANS AND TO ASSIST WITH SIGNAL TIMINGS.



benesch

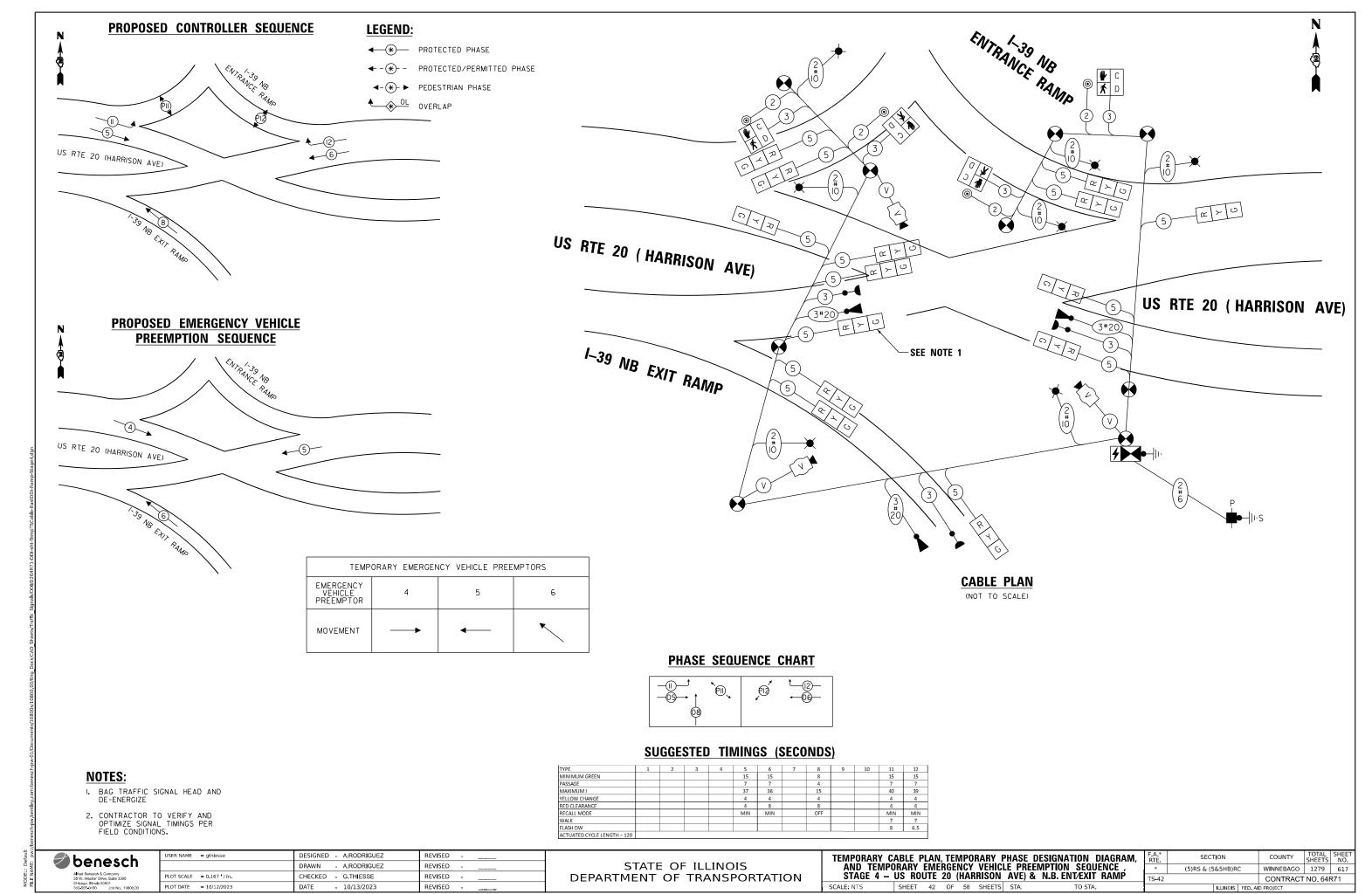
PLOT DATE = 10/12/2023

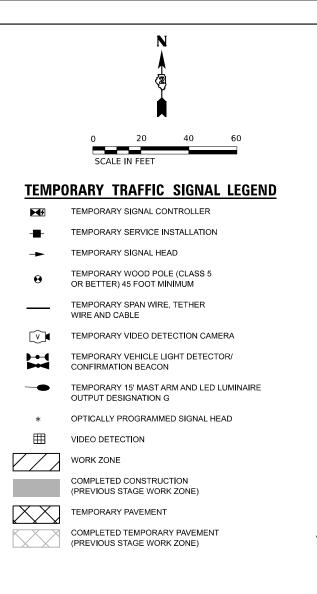
DRAWN - A.RODRIGUEZ REVISED CHECKED - G.THIESSE REVISED REVISED - 10/13/2023

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN STAGE 4, US ROUTE 20 (HARRISON AVE) & N.B. ENTÆXIT RAMP SCALE: 1"=20' SHEET 41 OF 58 SHEETS STA.

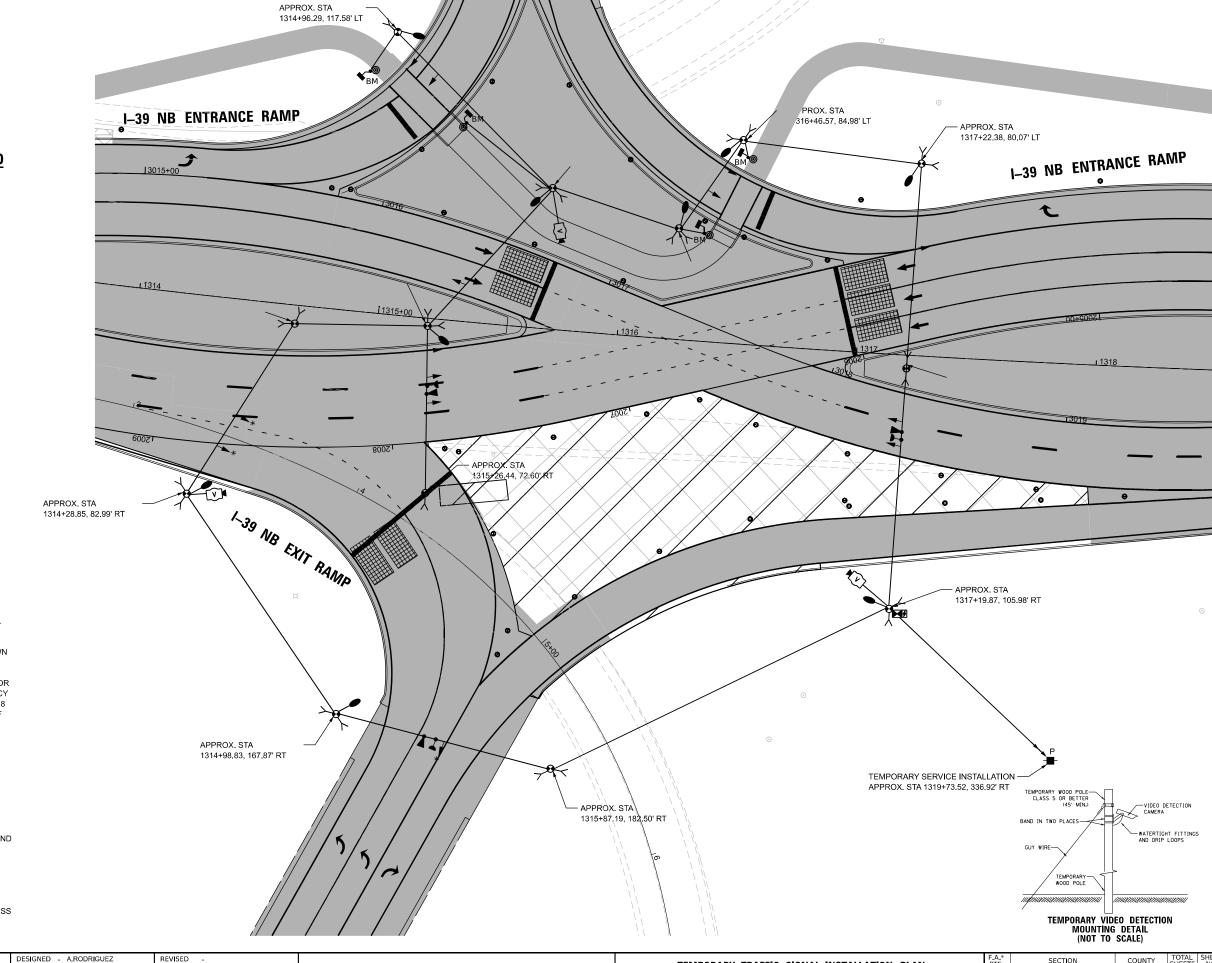
SECTION COUNTY (5)RS & (5&5HB)RC WINNEBAGO 1279 616 CONTRACT NO. 64R71





NOTES:

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- 7. CONTACT SCOTT KULLERSTRAND IDOT BUREAU OF OPERATIONS 815-284-5468, TWO WEEKS IN ADVANCE TO DISCUSS PROPOSED CONSTRUCTION TRAFFIC PLANS AND TO ASSIST WITH SIGNAL TIMINGS.



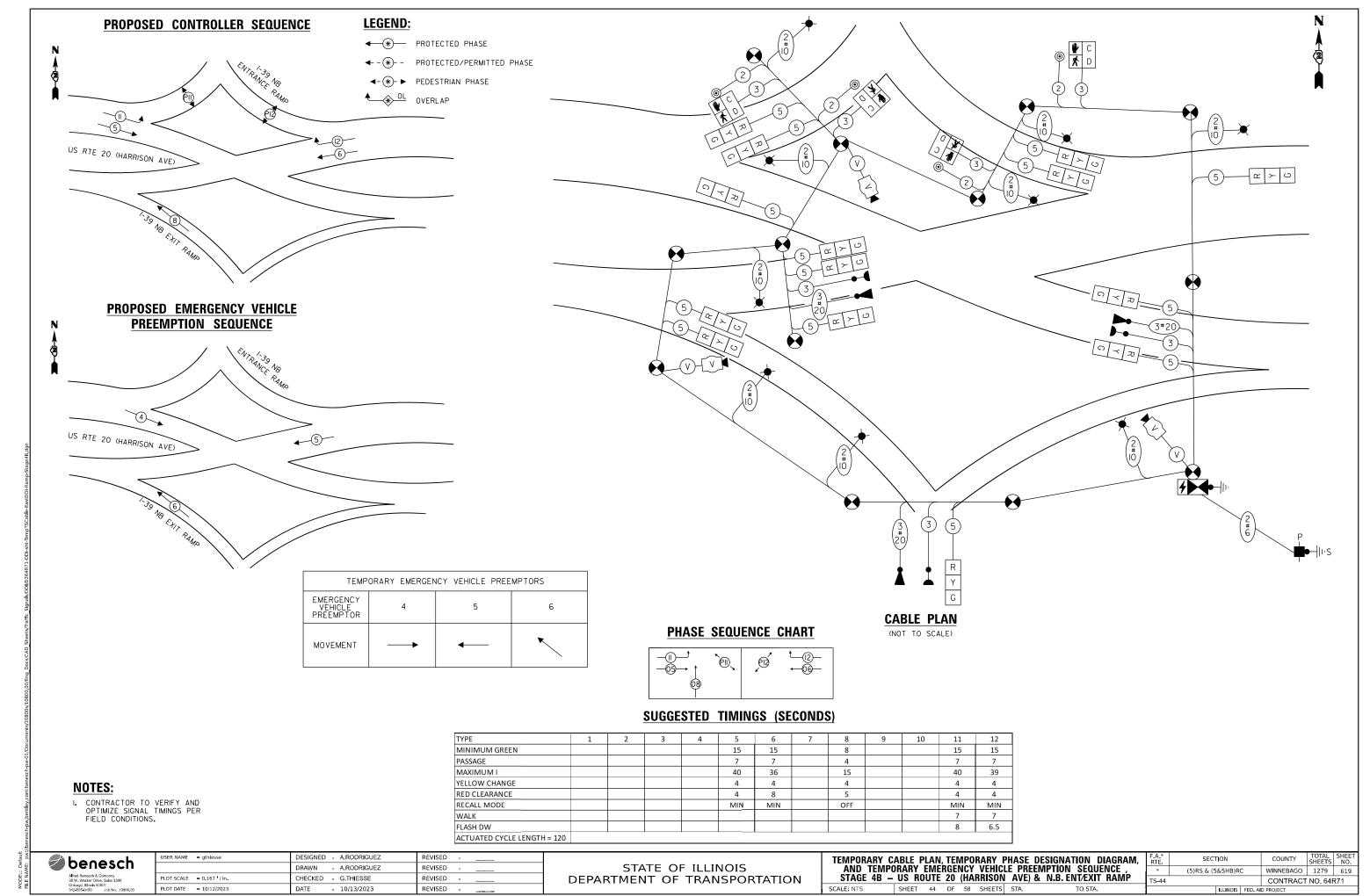
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE 4B, US ROUTE 20 (HARISON AVE) & N.B. ENT/EXIT RAMP

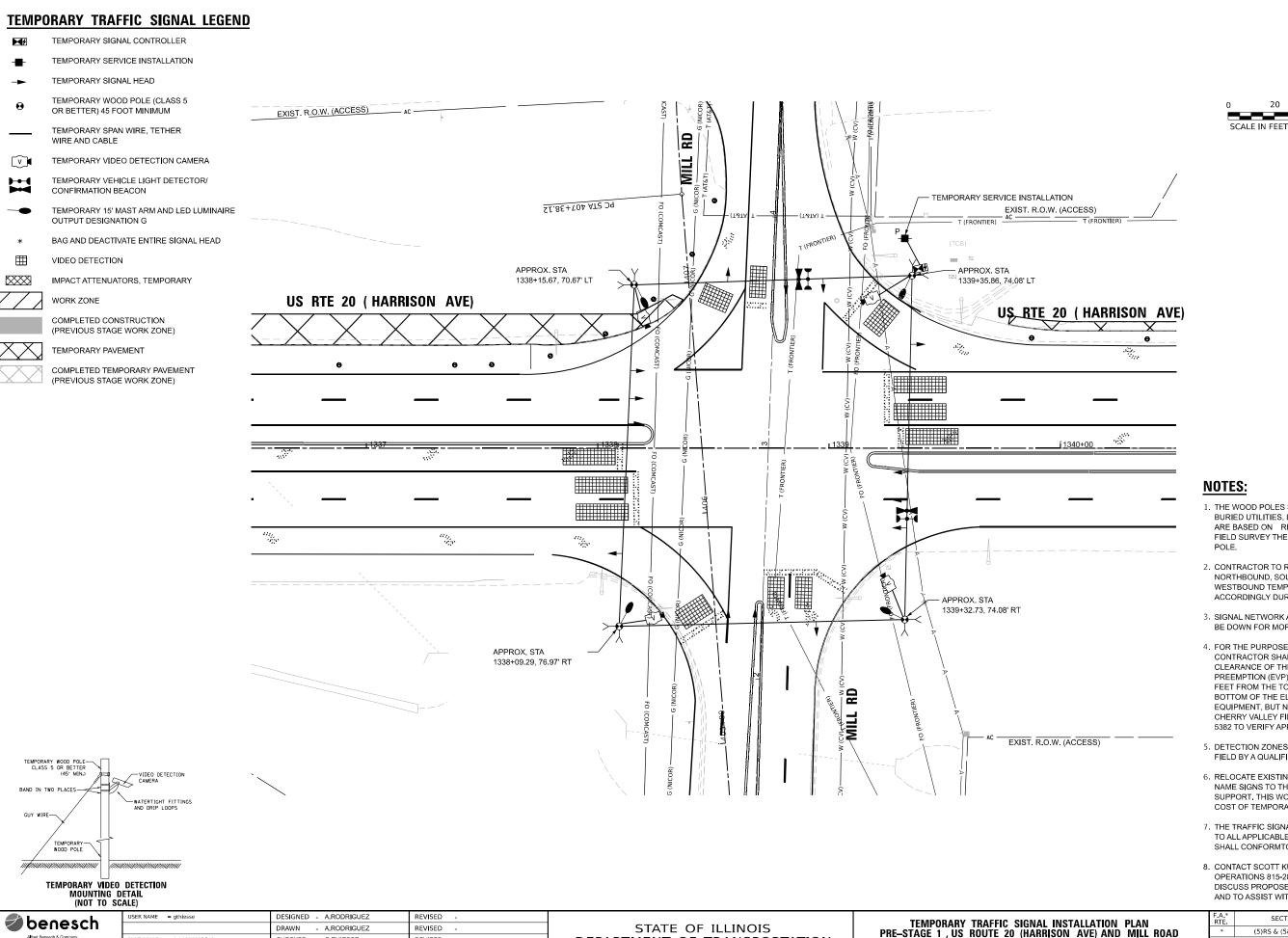
SCALE: 1"=20' SHEET 43 OF 58 SHEETS STA. TO STA.

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
RTE. SECTION COUNTY TOTAL SHEETS NO.

** (5)RS & (5&5)B)RC WINNEBAGO 1279 618

TS-43 CONTRACT NO. 64R71



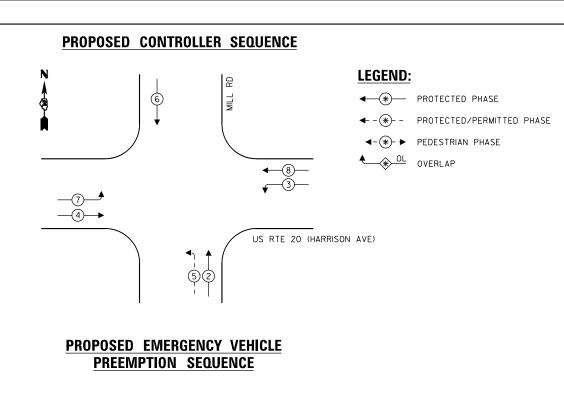




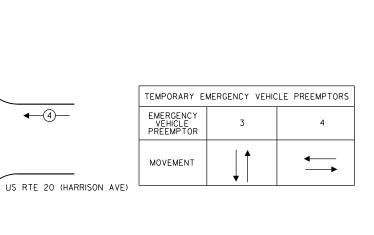
- 1. THE WOOD POLES SHALL BE LOCATED TO AVOID BURIED UTILITIES. LOCATIONS OF BURIED UTILITIES ARE BASED ON RECORDS, THE CONTRACTOR SHALL FIELD SURVEY THE FINAL LOCATION OF EACH WOOD
- 2. CONTRACTOR TO RELOCATE (ON SPAN WIRE) NORTHBOUND, SOUTHBOUND, EASTBOUND, AND WESTBOUND TEMPORARY SIGNAL HEAD ACCORDINGLY DURING MOT LANE SHIFTING.
- 3. SIGNAL NETWORK AND TRAFFIC CAMERAS SHALL NOT BE DOWN FOR MORE THAN FOUR HOURS.
- 4. FOR THE PURPOSE OF ADVANCE DETECTION, THE CONTRACTOR SHALL ENSURE THE VERTICAL CLEARANCE OF THE EMERGENCY VEHICLE PREEMPTION (EVP) EQUIPMENT TO BE BETWEEN 17-18 FEET FROM THE TOP OF ROADWAY GRADE TO THE BOTTOM OF THE ELOWEST PART OF THE EVP EQUIPMENT, BUT NO LESS THAN 17 FEET. CONTACT CHERRY VALLEY FIRE PROTECTION DISTRICT 815-332-5382 TO VERIFY APPROPRIATE OPERATIONS.
- 5. DETECTION ZONES SHALL BE DETERMINED IN THE FIELD BY A QUALIFIED SIGNAL TECHNICIAN.
- 6. RELOCATE EXISTING MAST ARM MOUNTED STREET NAME SIGNS TO THE TEMPORARY TRAFFIC SIGNAL SUPPORT, THIS WORK SHALL BE INCLUDED IN THE COST OF TEMPORARY TRAFFICE SIGNAL INSTALLATION.
- 7. THE TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL APPLICABLE MUTCD STANDARDS AND ALL WORK SHALL CONFORMTO NEC REQUIREMENTS.
- 8. CONTACT SCOTT KULLERSTRAND IDOT BUREAU OF OPERATIONS 815-284-5468, TWO WEEKS IN ADVANCE TO DISCUSS PROPOSED CONSTRUCTION TRAFFIC PLANS AND TO ASSIST WITH SIGNAL TIMINGS.

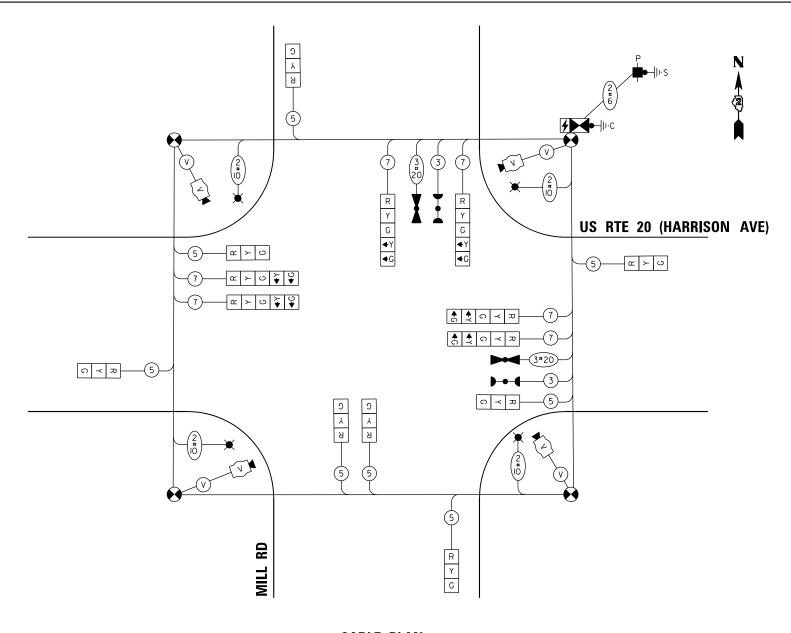
haaaah	USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED -		75.
benesch		DRAWN - A.RODRIGUEZ	REVISED -	STATE OF ILLINOIS	TEN Pre-stag
Affred Benesch & Company 35 W. Wacker Drive, Suite 3300	PLOT SCALE = 0.16666667 / in.	CHECKED - G.THIESSE	REVISED -	DEPARTMENT OF TRANSPORTATION	FIL-STAC
Chicago, Illinois 60601 312-565-0450 Job No. 10800.00	PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED -		SCALE: 1"=20'

SHEET 45 OF 58 SHEETS STA.



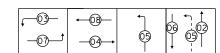
4—4—





CABLE PLAN (NOT TO SCALE)

PHASE SEQUENCE CHART



SUGGESTED TIMINGS (SECONDS)

	300	GLUILD	HIMITIAC	10 (SEC	UNDO			
ТҮРЕ	1	2	3	4	5	6	7	8
MINIMUM GREEN		8	3	15	3	8	3	15
PASSAGE		4	3	7	3	4	3	7
MAXIMUM I		50	15	60	15	50	15	60
YELLOW CHANGE		4	3.5	4	3.5	4	3.5	4
RED CLEARANCE		2	1	2	0	2	1	2
RECALL MODE		OFF	OFF	MIN	OFF	OFF	OFF	MIN
WALK								
FLASH DW								
ACTUATED CYCLE LENGTH = 120								

NOTES:

I. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

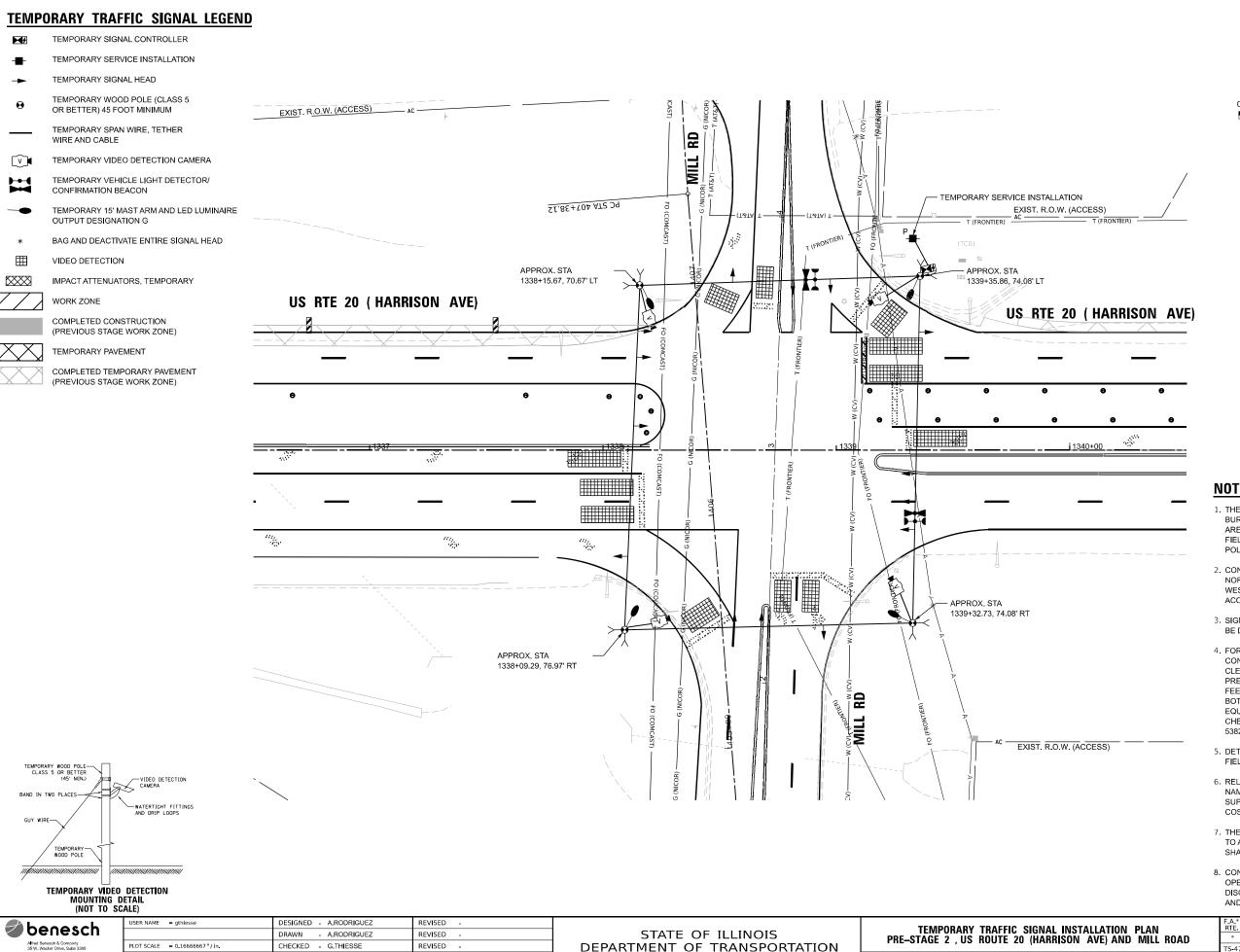
(3)

benesch	
Alfred Benesch & Company	
35 W. Wacker Drive, Suite 3300	
Chicago, Illinois 60601	
312-565-0450 Joh No. 10800.00	

USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED
	DRAWN - A.RODRIGUEZ	REVISED
PLOT SCALE = 0.167 / in.	CHECKED - G.THIESSE	REVISED
PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED

I								DESIGNATION DIAGRAM,	F
								EEMPTION SEQUENCE , AVE) AND MILL ROAD	L
ŀ	I IIL-STAUL	– .	3 110	JUIL	. 20	(11171111	IJUI	AVE/ AND WHEE HOAD	
۱	SCALE: NTS	SHEET	46	OF	58	SHEETS	STA.	TO STA.	

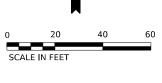
F.A.* RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.
*	(5)RS & (5&5HB)R	С	WINNEBAGO	1279	621
TS-46			CONTRACT	NO. 64F	7 71
	ILLINOIS	FED. AI	D PROJECT		



PLOT DATE = 10/12/2023

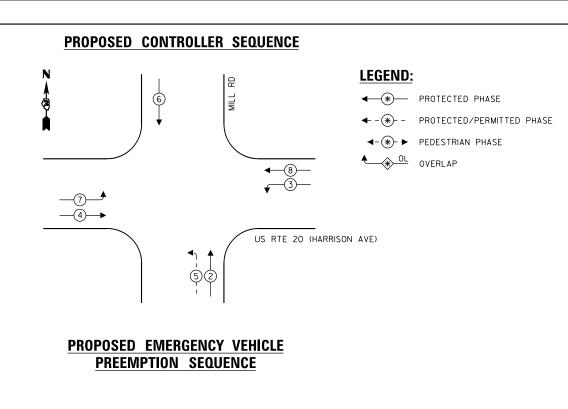
REVISED

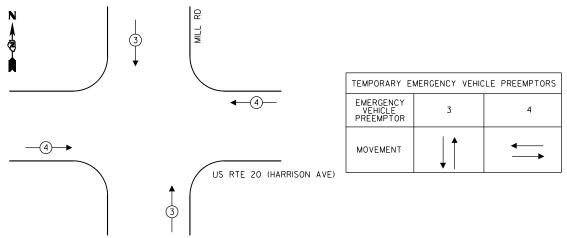
- 10/13/2023

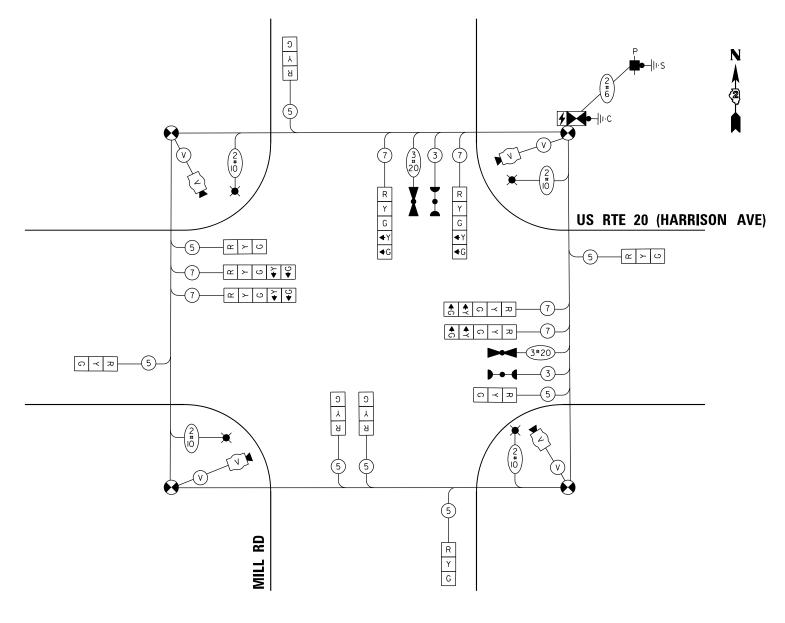


NOTES:

- 1. THE WOOD POLES SHALL BE LOCATED TO AVOID BURIED UTILITIES. LOCATIONS OF BURIED UTILITIES ARE BASED ON RECORDS. THE CONTRACTOR SHALL FIELD SURVEY THE FINAL LOCATION OF EACH WOOD
- 2. CONTRACTOR TO RELOCATE (ON SPAN WIRE) NORTHBOUND, SOUTHBOUND, EASTBOUND, AND WESTBOUND TEMPORARY SIGNAL HEAD ACCORDINGLY DURING MOT LANE SHIFTING.
- 3. SIGNAL NETWORK AND TRAFFIC CAMERAS SHALL NOT BE DOWN FOR MORE THAN FOUR HOURS.
- 4. FOR THE PURPOSE OF ADVANCE DETECTION, THE CONTRACTOR SHALL ENSURE THE VERTICAL CLEARANCE OF THE EMERGENCY VEHICLE PREEMPTION (EVP) EQUIPMENT TO BE BETWEEN 17-18 FEET FROM THE TOP OF ROADWAY GRADE TO THE BOTTOM OF THE FLOWEST PART OF THE EVP EQUIPMENT, BUT NO LESS THAN 17 FEET, CONTACT CHERRY VALLEY FIRE PROTECTION DISTRICT 815-332-5382 TO VERIFY APPROPRIATE OPERATIONS.
- 5. DETECTION ZONES SHALL BE DETERMINED IN THE FIELD BY A QUALIFIED SIGNAL TECHNICIAN.
- 6. RELOCATE EXISTING MAST ARM MOUNTED STREET NAME SIGNS TO THE TEMPORARY TRAFFIC SIGNAL SUPPORT, THIS WORK SHALL BE INCLUDED IN THE COST OF TEMPORARY TRAFFICE SIGNAL INSTALLATION.
- 7. THE TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL APPLICABLE MUTCD STANDARDS AND ALL WORK SHALL CONFORMTO NEC REQUIREMENTS.
- 8. CONTACT SCOTT KULLERSTRAND IDOT BUREAU OF OPERATIONS 815-284-5468, TWO WEEKS IN ADVANCE TO DISCUSS PROPOSED CONSTRUCTION TRAFFIC PLANS AND TO ASSIST WITH SIGNAL TIMINGS.







CABLE PLAN

(NOT TO SCALE)

PHASE SEQUENCE CHART



SUGGESTED TIMINGS (SECONDS)

					011201			
ТҮРЕ	1	2	3	4	5	6	7	8
MINIMUM GREEN		8	3	15	3	8	3	15
PASSAGE		4	3	7	3	4	3	7
MAXIMUM I		50	15	60	15	50	15	60
YELLOW CHANGE		4	3.5	4	3.5	4	3.5	4
RED CLEARANCE		2	1	2	0	2	1	2
RECALL MODE		OFF	OFF	MIN	OFF	OFF	OFF	MIN
WALK								
FLASH DW								
ACTUATED CYCLE LENGTH = 120								

NOTES:

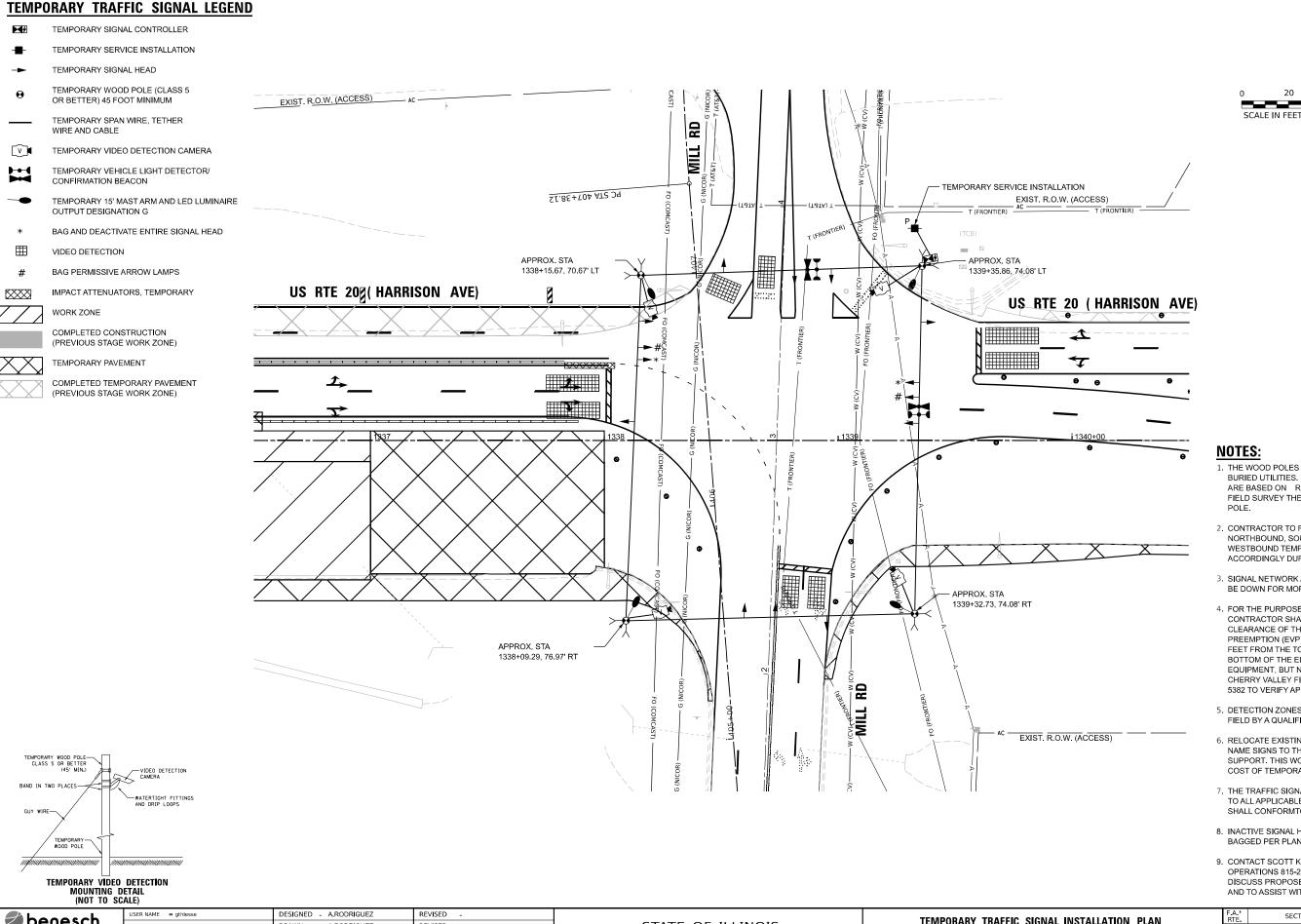
I. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

benesch
Afred Benesch A Company
35 W. Wacker Drive, Subr 3000
Chlaugo, Blimets 63001
3126550-4550 Job No. 10800.00

USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED
	DRAWN - A.RODRIGUEZ	REVISED
PLOT SCALE = 0.167 / in.	CHECKED - G.THIESSE	REVISED
PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED

TEMPORARY C	ABLE F	LAN	, TEN	/IP0	RARY F	PHASI	E DESIGNA	TION DIAGRAM,	F
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE , PRE-STAGE 2- US ROUTE 20 (HARRISON AVE) AND MILL ROAD									
PRE-STAG	E Z- U	S KU	JUIE	20	(HAKKI	ISOM	AVE) AND	WILL KUAD	Т
SCALE: NTS	SHEET	48	OF	58	SHEETS	STA.		TO STA.	\top

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.			
*	(5)RS & (5&5HB)RC	WINNEBAGO	1279	623			
TS-48		CONTRACT	NO. 64	₹71			
	ILLINOIS FED. AID PROJECT						





- 1. THE WOOD POLES SHALL BE LOCATED TO AVOID BURIED UTILITIES. LOCATIONS OF BURIED UTILITIES ARE BASED ON RECORDS. THE CONTRACTOR SHALL FIELD SURVEY THE FINAL LOCATION OF EACH WOOD
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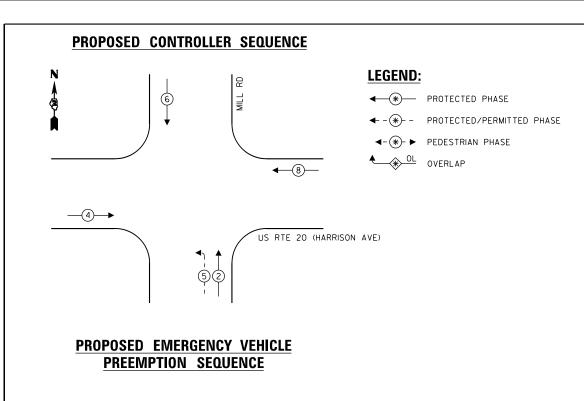
benesch

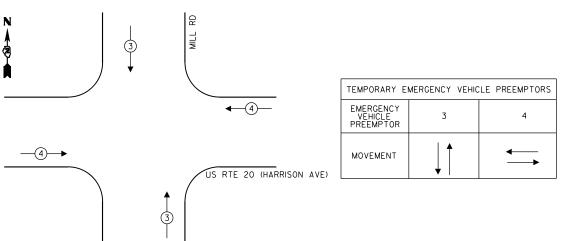
- A.RODRIGUE7 DRAWN REVISED LOT SCALE = 0.16666633 '/ in. CHECKED - G.THIESSE REVISED PLOT DATE = 10/12/2023 REVISED - 10/13/2023

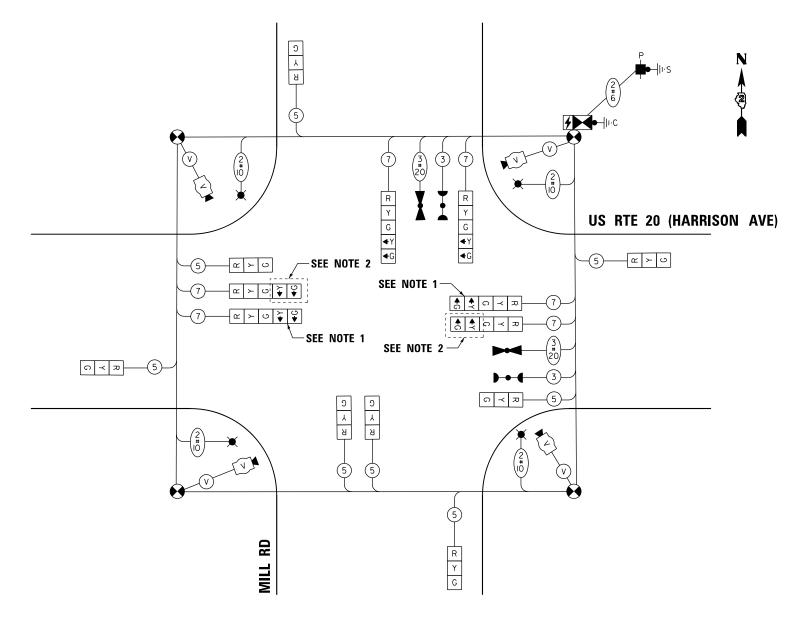
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN STAGE 1 & 1B, US ROUTE 20 (HARRISON AVE) AND MILL ROAD SHEET 49 OF 58 SHEETS STA.

SECTION COUNTY (5)RS & (5&5HB)RC WINNEBAGO 1279 624 CONTRACT NO. 64R71



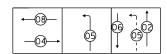




CABLE PLAN

(NOT TO SCALE)

PHASE SEQUENCE CHART



SUGGESTED TIMINGS (SECONDS)

	<u> </u>								
ТҮРЕ	1	2	3	4	5	6	7	8	
MINIMUM GREEN		8		15	3	8		15	
PASSAGE		4		7	3	4		7	
MAXIMUM I		50		60	15	50		60	
YELLOW CHANGE		4		4	3.5	4		4	
RED CLEARANCE		2		2	0	2		2	
RECALL MODE		OFF		MIN	OFF	OFF		MIN	
WALK									
FLASH DW									
ACTUATED CYCLE LENGTH = 120									

NOTES:

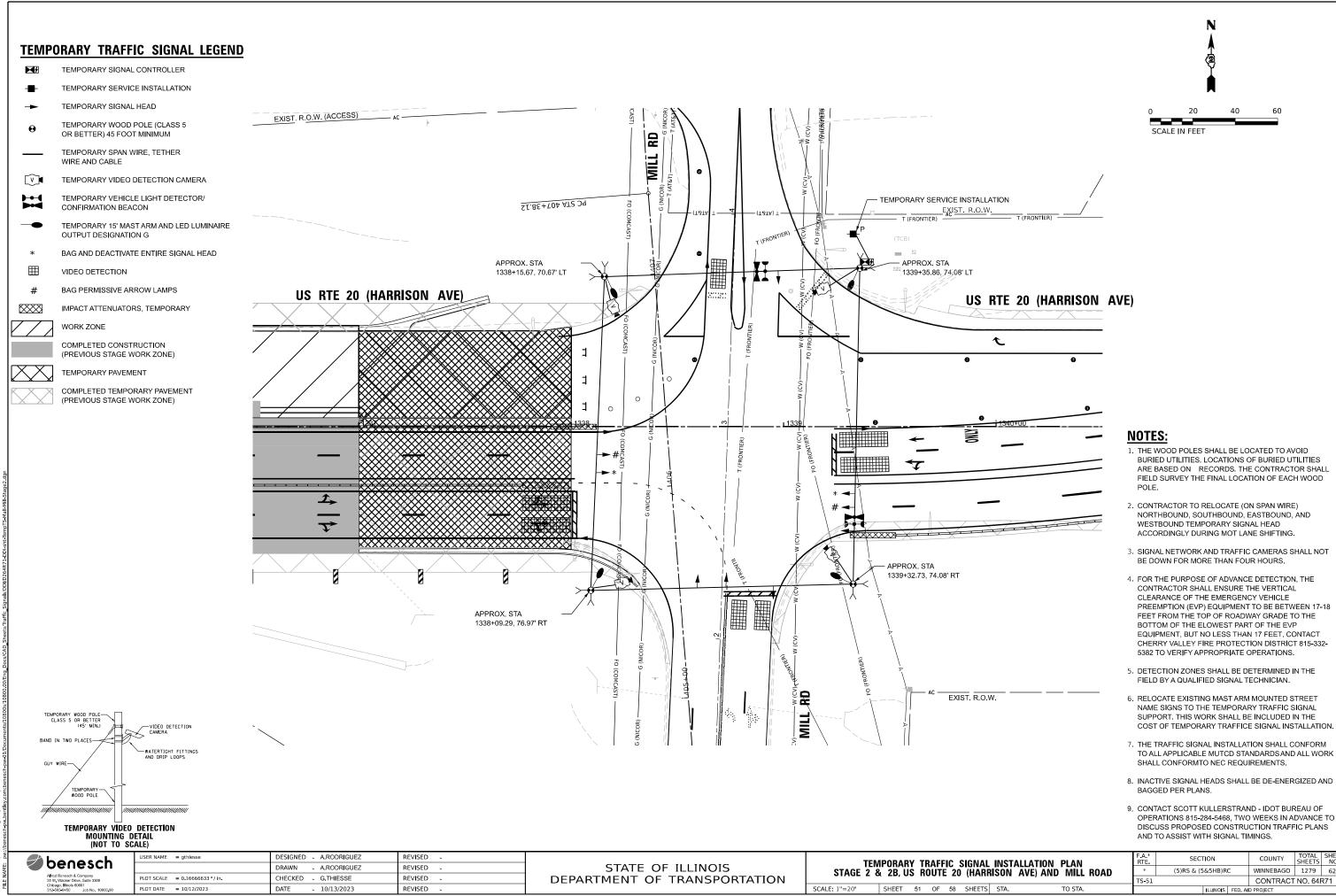
- I. BAG TRAFFIC SIGNAL HEAD AND DE-ENERGIZE
- 2. BAG TRAFFIC PERMISSIVE ARROW LAMPS
- 3. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

benesch	
Alfred Benesch & Company	
35 W. Wacker Drive, Suite 3300	
Chicago, Illinois 60601	
312-565-0450 Job No. 10800.00	

USER NAME = gthlesse	DESIGNED - A.RODRIGUEZ	REVISED
	DRAWN - A.RODRIGUEZ	REVISED
PLOT SCALE = 0.167 / in.	CHECKED - G.THIESSE	REVISED
PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED

TEMPORARY CA AND TEMPOI STAGE 1 & 1	rary ei	VIEĖ	RGEN	CY '	VEHICLE	PRE	EMPTION	SEQUENCE ,	•
SCALE: NTS	-				SHEETS			TO STA	

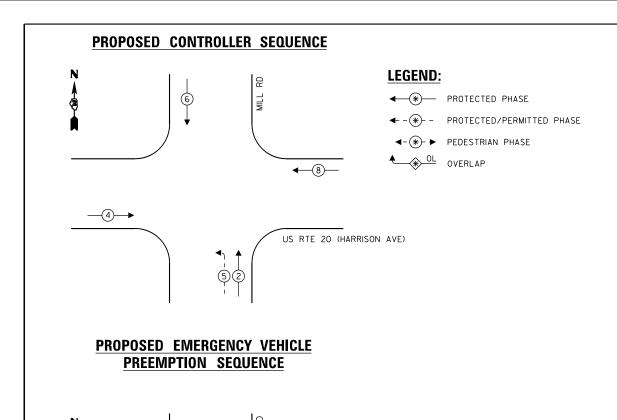
	F.A.* RTE	SECTION	COUNTY	TOTAL SHEETS	SHE	
	*	(5)RS & (5&5HB)RC	WINNEBAGO	1279	62	
4	TS-50			CONTRACT	NO. 64	₹71
ı		ILLINOIS FE	ED. All	D PROJECT		



SECTION

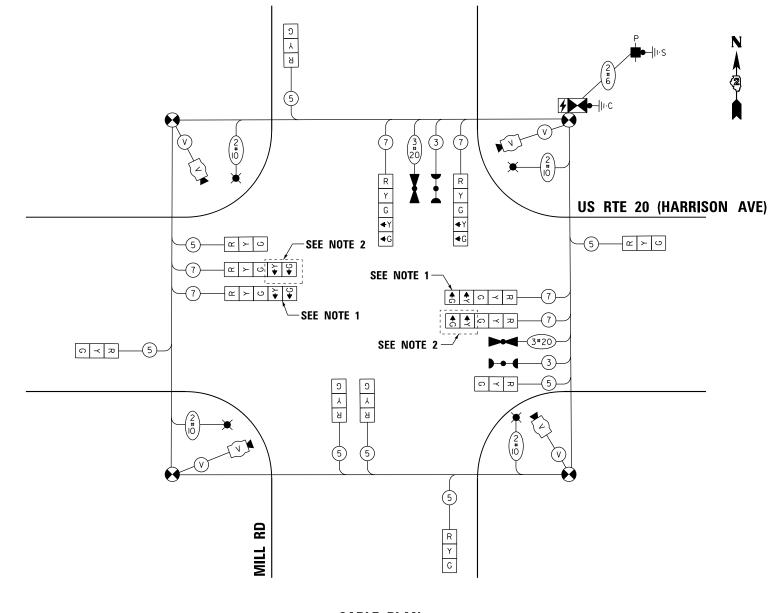
WINNEBAGO 1279 626

CONTRACT NO. 64R71



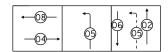
4—(4)—

US RTE 20 (HARRISON AVE)



CABLE PLAN (NOT TO SCALE)

PHASE SEQUENCE CHART



SUGGESTED TIMINGS (SECONDS)

ТҮРЕ	1	2	3	4	5	6	7	8
MINIMUM GREEN		8		15	3	8		15
PASSAGE		4		7	3	4		7
MAXIMUM I		50		60	15	50		60
YELLOW CHANGE		4		4	3.5	4		4
RED CLEARANCE		2		2	0	2		2
RECALL MODE		OFF		MIN	OFF	OFF		MIN
WALK								
FLASH DW								
ACTUATED CYCLE LENGTH = 120								

NOTES:

I. BAG TRAFFIC SIGNAL HEAD AND DE-ENERGIZE

3

- 2. BAG TRAFFIC PERMISSIVE ARROW LAMPS
- 3. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

1	benesch
	Alfred Benesch & Company
	35 W. Wacker Drive, Suite 3300
	Chicago, Illinois 60601
	312-565-0450 Job No. 10800.00

USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED
	DRAWN - A.RODRIGUEZ	REVISED
PLOT SCALE = 0.167 / in.	CHECKED - G.THIESSE	REVISED
PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED

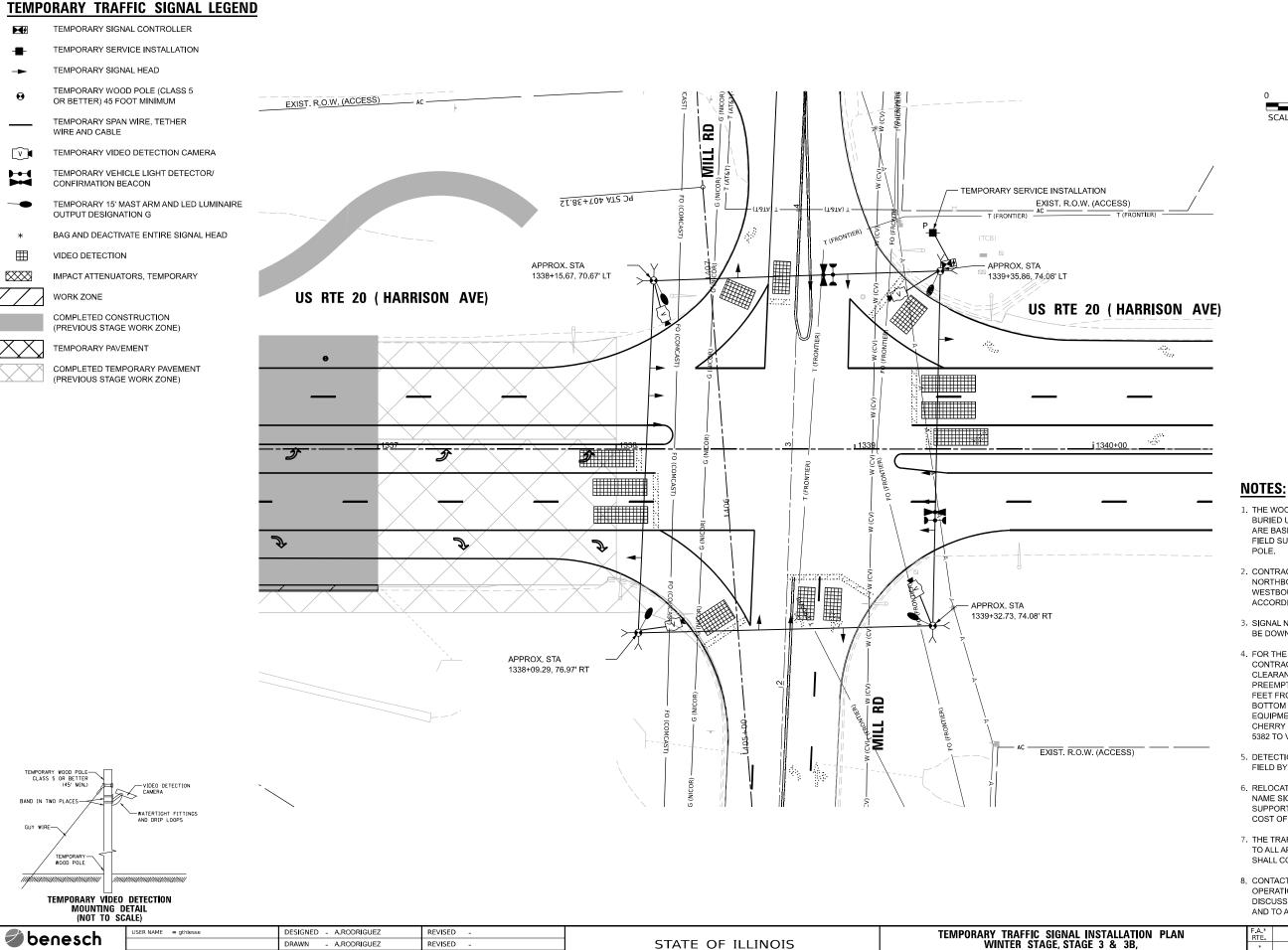
TEMPORARY EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR

MOVEMENT

TEMPORARY C	ABLE PLA	N, TEMPORA	RY PHASE DESIG		F
			HICLE PREEMPTI		L
STAGE Z &	7R - 02	RUUTE ZU (I	HAKKISUN AVE)	AND MILL ROAD	T
SCALE: NTS	SHEET 52	2 OF 58 SHE	FETS STA	TO STA.	Н

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE	
*	(5)RS & (5&5HB)RC	WINNEBAGO	1279	627	
TS-52		CONTRACT	NO. 64F	7 71	
	ILLINOIS	FED. Al	D PROJECT		



DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20'

LOT SCALE = 0.16666633 ' / in.

PLOT DATE = 10/12/2023

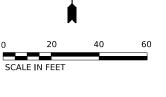
CHECKED - G.THIESSE

- 10/13/2023

DATE

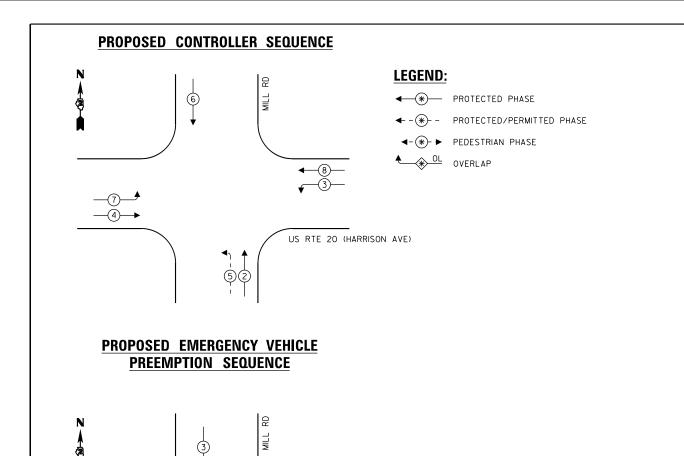
REVISED

REVISED



- 1. THE WOOD POLES SHALL BE LOCATED TO AVOID BURIED UTILITIES. LOCATIONS OF BURIED UTILITIES ARE BASED ON RECORDS, THE CONTRACTOR SHALL FIELD SURVEY THE FINAL LOCATION OF EACH WOOD
- 2. CONTRACTOR TO RELOCATE (ON SPAN WIRE) NORTHBOUND, SOUTHBOUND, EASTBOUND, AND WESTBOUND TEMPORARY SIGNAL HEAD ACCORDINGLY DURING MOT LANE SHIFTING.
- 3. SIGNAL NETWORK AND TRAFFIC CAMERAS SHALL NOT BE DOWN FOR MORE THAN FOUR HOURS.
- 4. FOR THE PURPOSE OF ADVANCE DETECTION, THE CONTRACTOR SHALL ENSURE THE VERTICAL CLEARANCE OF THE EMERGENCY VEHICLE PREEMPTION (EVP) EQUIPMENT TO BE BETWEEN 17-18 FEET FROM THE TOP OF ROADWAY GRADE TO THE BOTTOM OF THE FLOWEST PART OF THE EVP EQUIPMENT, BUT NO LESS THAN 17 FEET, CONTACT CHERRY VALLEY FIRE PROTECTION DISTRICT 815-332-5382 TO VERIFY APPROPRIATE OPERATIONS.
- 5. DETECTION ZONES SHALL BE DETERMINED IN THE FIELD BY A QUALIFIED SIGNAL TECHNICIAN.
- 6. RELOCATE EXISTING MAST ARM MOUNTED STREET NAME SIGNS TO THE TEMPORARY TRAFFIC SIGNAL SUPPORT. THIS WORK SHALL BE INCLUDED IN THE COST OF TEMPORARY TRAFFICE SIGNAL INSTALLATION.
- 7. THE TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL APPLICABLE MUTCD STANDARDS AND ALL WORK SHALL CONFORMTO NEC REQUIREMENTS.
- 8. CONTACT SCOTT KULLERSTRAND IDOT BUREAU OF OPERATIONS 815-284-5468, TWO WEEKS IN ADVANCE TO DISCUSS PROPOSED CONSTRUCTION TRAFFIC PLANS AND TO ASSIST WITH SIGNAL TIMINGS.

	PLAN	F.A.* RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
WINTER STAGE, STAGE 3 & 3B,	*	(5)RS & (5&5HB)RC	WINNEBAGO	1279	628	
US ROUTE 20(HARRISON AVE) AND MILL RO	TS-53		CONTRACT	NO. 64F	R71	
SHEET 53 OF 58 SHEETS STA.	TO STA.	ILLINOIS FED. AID PROJECT				



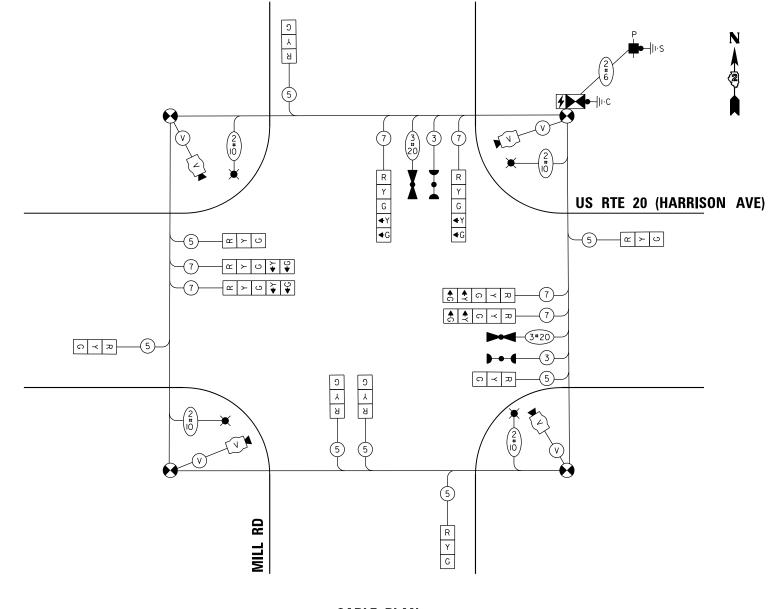
4-4-

US RTE 20 (HARRISON AVE)

TEMPORARY EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR

MOVEMENT



CABLE PLAN (NOT TO SCALE)

PHASE SEQUENCE CHART

- 3-		1	
	—⊚→	(5)	

SUGGESTED TIMINGS (SECONDS)

	OGGESTED THAINED (OESCHES)								
ТҮРЕ	1	2	3	4	5	6	7	8	
MINIMUM GREEN		8	3	15	3	8	3	15	
PASSAGE		4	3	7	3	4	3	7	
MAXIMUM I		50	15	60	15	50	15	60	
YELLOW CHANGE		4	3.5	4	3.5	4	3.5	4	
RED CLEARANCE		2	1	2	0	2	1	2	
RECALL MODE		OFF	OFF	MIN	OFF	OFF	OFF	MIN	
WALK									
FLASH DW									
ACTUATED CYCLE LENGTH = 120									

NOTES:

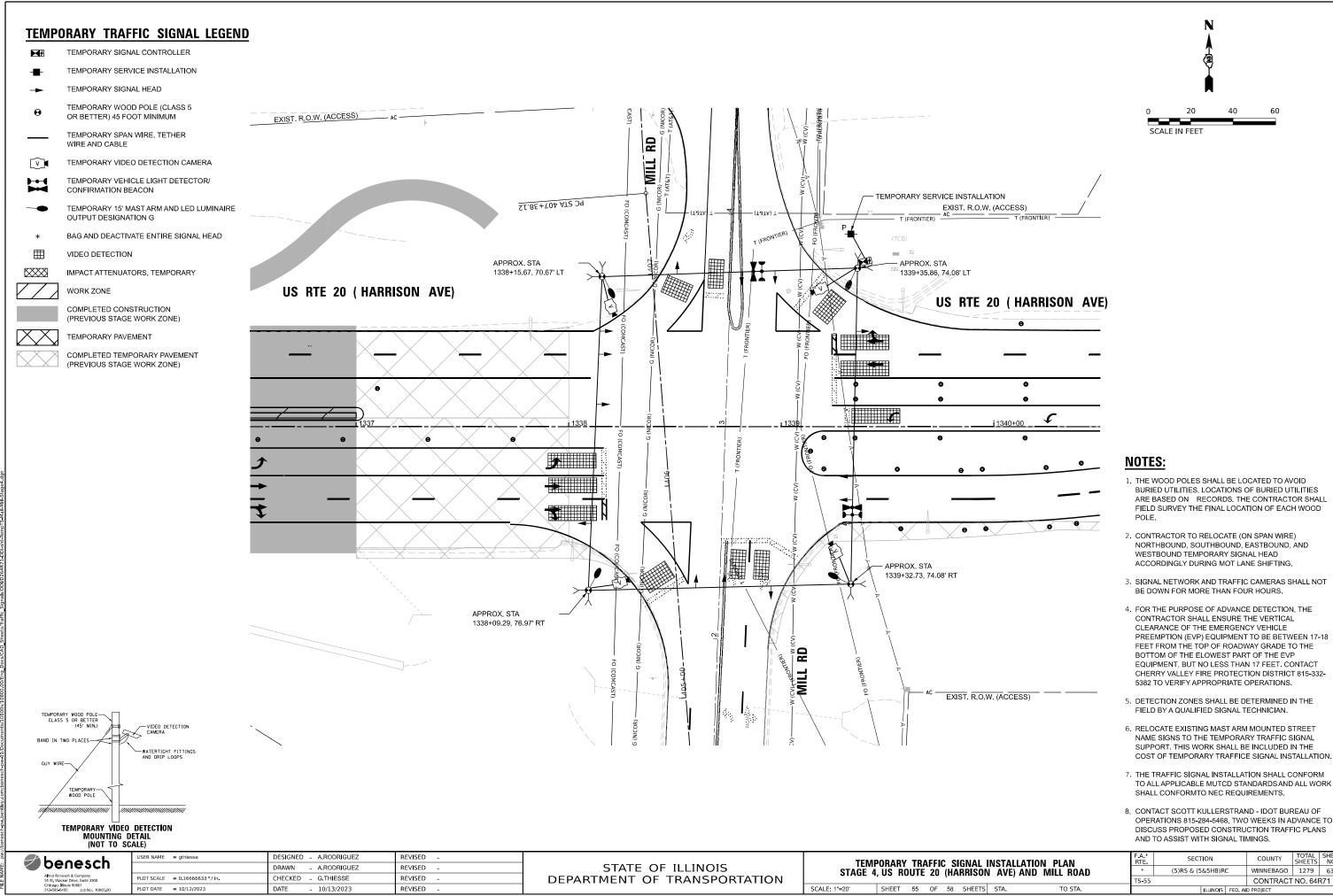
I. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

9	benesch	
	Alfred Benesch & Company	
	35 W. Wacker Drive, Suite 3300	
	Chicago, Illinois 60601	
	312-565-0450 Job No. 10800.00	

USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED
	DRAWN - A.RODRIGUEZ	REVISED
PLOT SCALE = 0.167 / in.	CHECKED - G.THIESSE	REVISED
PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED

TEMPORARY CA	BLE PLAN,	TEMPORARY PH	ASE DESIGNATION DIA	GRAM, AND
			TION SEQUENCE , WINT RISON AVE) AND MILL	DOAD '
STAGE 3 Q	30 - 03	NUUTE ZU (HAN	INISUN AVE) AND MILL	. NUAD
CCALE: NITC	CHEET EA	OF EG CHIEFTO	CTA TO CTA	

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
*	(5)RS & (5&5HB)RC	WINNEBAGO	1279	629		
TS-54		CONTRACT	NO. 64	₹71		
	ILLINOIS FED. A	ILLINOIS FED. AID PROJECT				

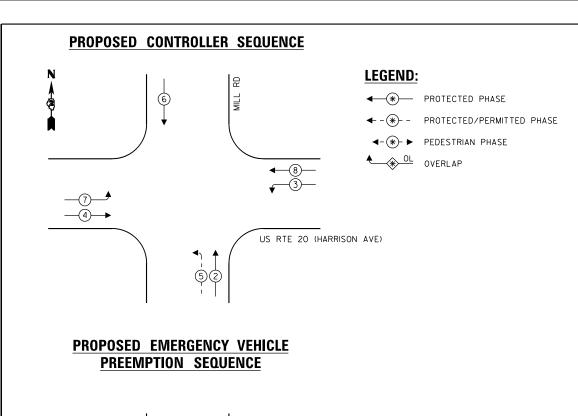


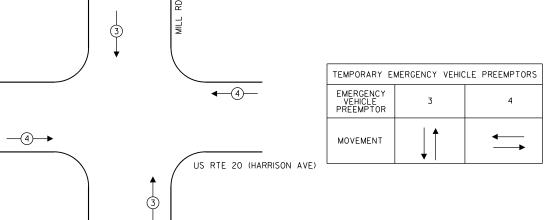
SECTION

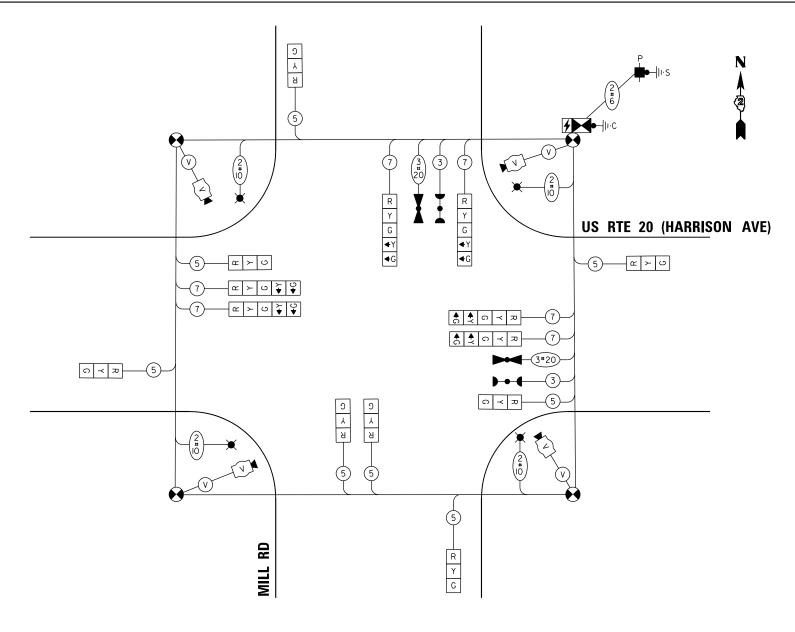
COUNTY

WINNEBAGO 1279 630

CONTRACT NO. 64R71







CABLE PLAN (NOT TO SCALE)

PHASE SEQUENCE CHART



SUGGESTED TIMINGS (SECONDS)

ТҮРЕ	1	2	3	4	5	6	7	8
MINIMUM GREEN		8	3	15	3	8	3	15
PASSAGE		4	3	7	3	4	3	7
MAXIMUM I		50	15	60	15	50	15	60
YELLOW CHANGE		4	3.5	4	3.5	4	3.5	4
RED CLEARANCE		2	1	2	0	2	1	2
RECALL MODE		OFF	OFF	MIN	OFF	OFF	OFF	MIN
WALK								
FLASH DW								
ACTUATED CYCLE LENGTH = 120		_	_				_	

NOTES:

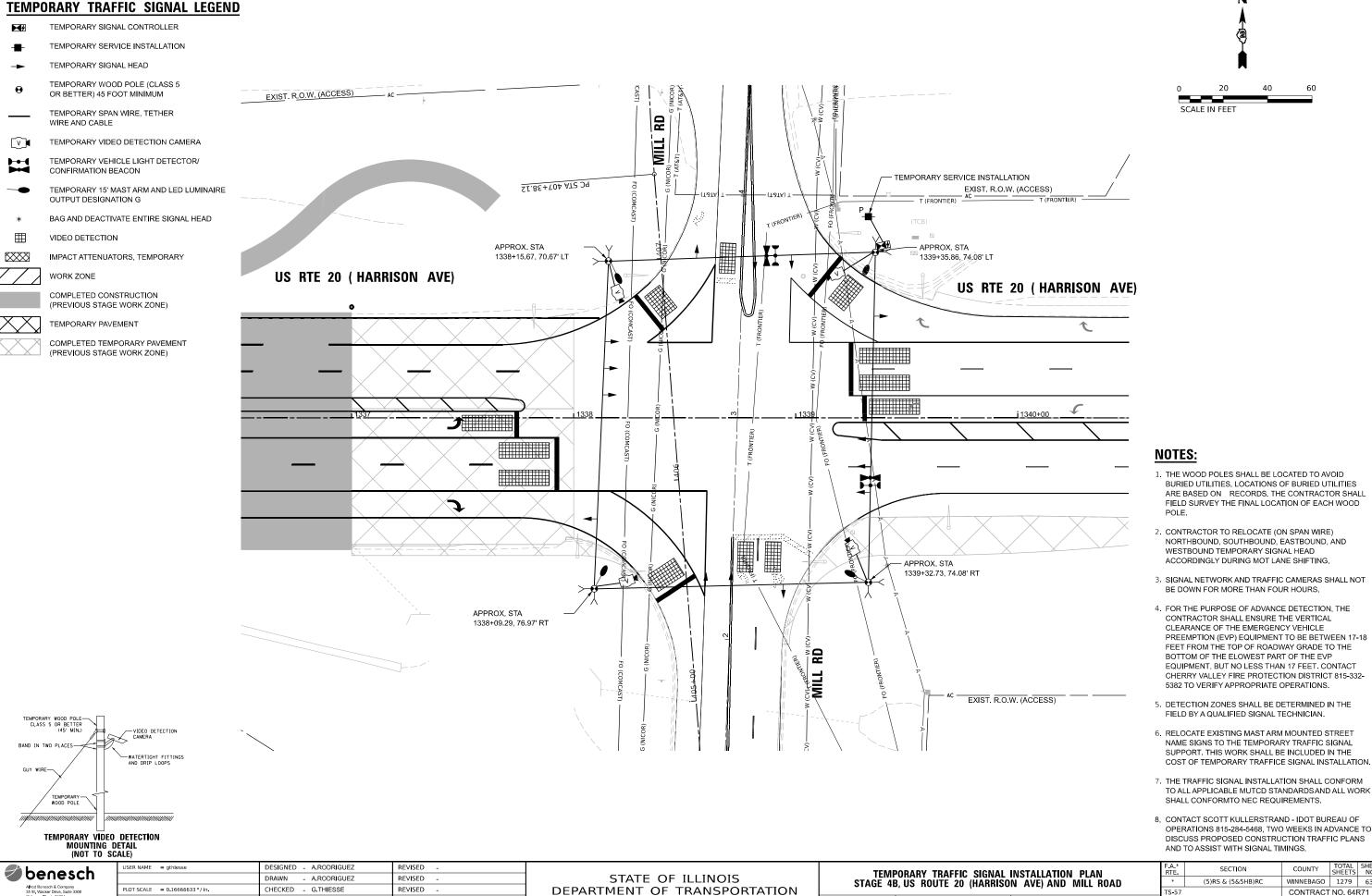
I. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

benesch
Alted Benesch & Company
35 W. Wacker Drive, Suffa 300
Chiespo, Illinde 60801
312-656-0459 Joh No. 10800.00

USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED
	DRAWN - A.RODRIGUEZ	REVISED
PLOT SCALE = 0.167 / in	CHECKED - G.THIESSE	REVISED
PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED

TEMPORARY C	ABLE	PLAN, T	EMP0	RARY P	HASE D	ESIGNATION DIAGRAM,	F
						WPTION SEQUENCE,	
SIAGE 4	<u> </u>	KUUTE	20 (1	HARRIS	JN AVE)	AND MILL ROAD	T:
SCALE: NTS	SHEET	56 OI	- 58	SHEETS	STA.	TO STA.	

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(5)RS & (5&5HB)RC	WINNEBAGO	1279	631
TS-56		CONTRACT	NO. 64	₹71
	ILLINOIS FED	AID PROJECT		



PLOT DATE = 10/12/2023

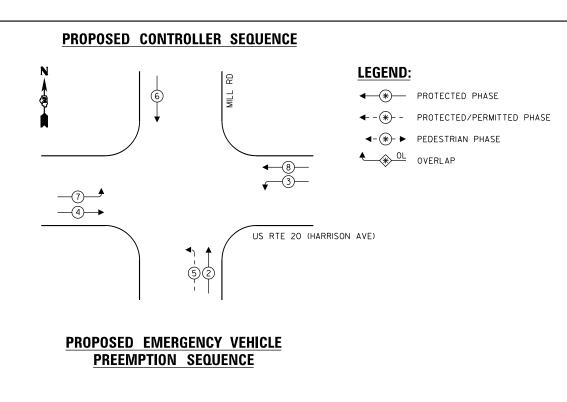
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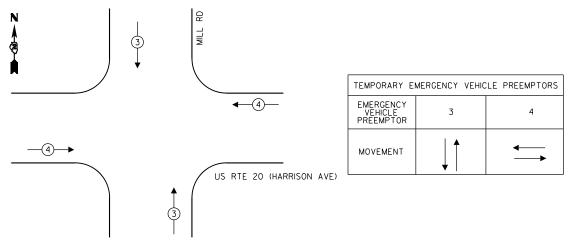
- 10/13/2023

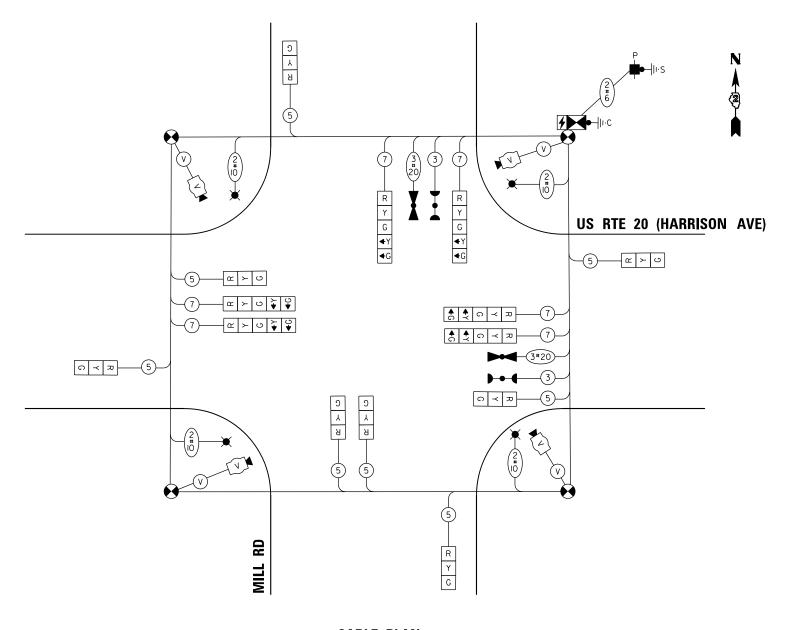
REVISED

SECTION COUNTY (5)RS & (5&5HB)RC WINNEBAGO 1279 632 CONTRACT NO. 64R71

SHEET 57 OF 58 SHEETS STA.







CABLE PLAN (NOT TO SCALE)

PHASE SEQUENCE CHART



SUGGESTED TIMINGS (SECONDS)

				•	-			
ТҮРЕ	1	2	3	4	5	6	7	8
MINIMUM GREEN		8	3	15	3	8	3	15
PASSAGE		4	3	7	3	4	3	7
MAXIMUM I		50	15	60	15	50	15	60
YELLOW CHANGE		4	3.5	4	3.5	4	3.5	4
RED CLEARANCE		2	1	2	0	2	1	2
RECALL MODE		OFF	OFF	MIN	OFF	OFF	OFF	MIN
WALK								
FLASH DW								
ACTUATED CYCLE LENGTH = 120								

NOTES:

I. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

benesch
Afried Benesch & Company
35 W. Wocker Drive, Subria 300
Chicago, Illinois 80801
312-656-0450 Jeb No., 10800,00

SER NAME = gthlesse DESIGNED - A.RODRIGUEZ	REVISED
DRAWN - A.RODRIGUEZ	REVISED
OT SCALE = 0.167 '/in. CHECKED - G.THIESSE	REVISED
OT DATE = 10/12/2023 DATE - 10/13/2023	REVISED

						E DESIGNATION DIAGRAM,	F
						REEMPTION SEQUENCE , AVE) AND MILL ROAD	T,
ı	SCALE: NTS	SHEET		_	SHEETS	TO STA.	H

F.A.* RTE.	SECTI	ON		COUNTY	TOTAL SHEETS	SHEE NO.
*	(5)RS & (5&5HB)RC			WINNEBAGO	1279	633
TS-58				CONTRACT	NO. 64F	7 71
	1	ILLINOIS	FED. All	D PROJECT		

SCHEDULE OF QUANTITIES

					TRAFFIC	SIGNALS	
				DDI RAMPS	MALL DRIVE	DDI RAMPS	MALL DRIVE
				0021	0021	0021	0021
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	90% FEDERAL 10% STATE	80% FEDERAL 20% COUNTY	100% LOCAL	100% LOCAL
	SERVICE INSTALLATION, TYPE A	EACH	3	2	1	100% 200%2	100% 200/12
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	6,916	6,531	385		
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	77	57	20		
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	332	172	160		
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	495	262	233		
81028400	UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	1,240	1,240			
81400100	HANDHOLE	EACH	30	23	7		
81400300	DOUBLE HANDHOLE	EACH	4	3	1		
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH			1		
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	2	1	1		
86000100	MASTER CONTROLLER	EACH	1		1		
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	3	2	1		
86400100	TRANSCEIVER - FIBER OPTIC	EACH	4	3	1		
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	6,166	6,166			
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	7,291	6,955	336		
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	7,361	7,011	350		
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	30,934	28,057	2,877		
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,604		2,604		
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	651	472	179		
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	3,953	3,104	849		
87501300	TRAFFIC SIGNAL POST, 17 FT.	EACH	17	13	4		
87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1	1			
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1	1			
87702850	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	1	1			
87702860	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	1	1			
87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	2	1	1		
87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1	1			

SCHEDULE OF QUANTITIES

					TRAFFIC	SIGNALS		
				DDIRAMPS	MALL DRIVE	DDI RAMPS	MALL DRIVE	
				0021	0021	0021	0021	
CODE NO	ITEM DESCRIPTION	UNIT	TOTAL	90% FEDERAL	80% FEDERAL	400% 1 00 41	400% 1.05**	
87702910	ITEM DESCRIPTION STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	UNIT EACH	QUANTITY 1	10% STATE	20% COUNTY	100% LOCAL	100% LOCAL	
87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1	1				
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1	1				
87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1		1			
87703020	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	1		1			
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	51	39	12			
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	9	6	3			
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	34	34				
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	99	63	36			
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	F001	99	63	36			
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21		21			
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	19	17	2			
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	28	17	11			
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2		2			
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2		2			
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	8		8			
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	10	8	2			
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	30	17	13			
X0322281	WIDE AREA VIDEO DETECTION SYSTEM COMPLETE	EACH	3	2	1			
X0322920	COMMUNICATIONS CABINET AND EQUIPMENT	EACH		1				
X0325839	SIGNAL TIMING	L SUM	1	0.5	0.5			
X8710031	FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	5,894	5,894				
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	10	8	2			
	EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	3			2		
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1		1			
_0000000	OF THREE TRAITIO OF THE	LACIT			'			

				TEMPORARY TRAFFIC SIGNALS						
				DDI RAMPS MALL DRIVE MILL ROAD DDI RAMPS MALL DRIVE MILL ROAD						
				0021	0021	0021	0021	0021	0021	
				90% FEDERAL	80% FEDERAL	80% FEDERAL				
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	10% STATE	20% STATE	20% STATE	100% LOCAL	100% LOCAL	100% LOCAL	
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	3	2	1	0	0	0	0	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	0	1	0	0	0	0	
89502380	REMOVE EXISTING HANDHOLE	EACH	9	0	9	0	0	0	0	
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1	0	1	0	0	0	0	
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	0	9	0	0	0	0	
X8900100	TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	1	0	0	1	0	0	0	
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	35	11	14	10	0	0	0	



100	USER NAME = rjo	DESIGNED - RJO	REVISED -
		DRAWN - RJO	REVISED -
_	PLOT SCALE = 0.16666633 ' / in.	CHECKED - EJL	REVISED -
	PLOT DATE = 10/9/2023	DATE - 10/13/2023	REVISED -

SCHEDULE OF POST & FOUNDATION QUANTITIES

REF. LOCATION TYPE							
TSP-3 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 125+84.55 57.00° LT TSP-4 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 125+67.77 100.62° RT MA-4 SOUTHWEST QUANDRANT STL COMB MAA&P 36 CONC FDN TYE 36D 11.0 FT. 125+69.26 57.50° RT MA-3 NORTHWEST QUANDRANT STL COMB MAA&P 48 CONC FDN TYE 36D 13.0 FT. 125+91.06 47.58° LT MA-1 SOUTHEAST QUANDRANT STL COMB MAA&P 48 CONC FDN TYE 36D 13.0 FT. 125+91.06 47.58° LT MA-2 NORTHEAST QUANDRANT STL COMB MAA&P 56 CONC FDN TYE 36D 11.0 FT. 126+59.78 57.58° RT MA-2 NORTHEAST QUANDRANT STL COMB MAA&P 50 CONC FDN TYE 36D 11.0 FT. 126+61.00 47.58° LT TSP-1 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 127+09.13 69.50° RT TSP-2 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 127+91.51 69.50° RT TSP-2 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 127+11.65 63.52° LT SERVICE SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 127+16.66.61 127.66° RT MA-8 NORTHEAST QUANDRANT ST L COMB MAA&P 42 CONC FDN TYE 36D 13.0 FT 147+67.41 40.55° LT TSP-9 SOUTHWEST QUANDRANT ST L COMB MAA&P 42 CONC FDN TYE 36D 13.0 FT 147+67.41 40.55° LT TSP-8 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYE 36D 13.0 FT 147+67.41 40.55° LT TSP-8 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 147+67.41 40.55° LT TSP-8 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+62.70 84.35° LT TSP-8 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+62.70 84.35° LT TSP-8 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+62.70 84.36° LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+62.70 84.36° LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+62.70 84.36° LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.59 55.10° LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.69 55.10° LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.69 55.10° LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.69 55.10° LT TSP-11 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1	REF.	LOCATION	TYPE	FOUNDATION TYPE		STATION	OFFSET
TSP-4 SOUTHWEST QUANDRANT TS POST A 17 CONC FDNTYA 3.0 FT 125+80.26 57.50 °RT MA.4 SOUTHWEST QUANDRANT STL COMB MAA&P 36 CONC FDN TYE 38D 11.0 FT. 125+80.26 57.50 °RT MA.3 NORTHWEST QUANDRANT STL COMB MAA&P 36 CONC FDN TYE 38D 11.0 FT. 125+91.08 47.58 °LT MA.1 SOUTHEAST QUANDRANT STL COMB MAA&P 58 CONC FDN TYE 38D 13.0 FT. 125+91.08 47.58 °LT MA.2 NORTHEAST QUANDRANT STL COMB MAA&P 58 CONC FDN TYE 38D 11.0 FT. 126+59.78 57.58 °RT MA.2 NORTHEAST QUANDRANT ST DOST A 17 CONC FDN TYE 38D 11.0 FT. 126+59.78 57.58 °RT TSP-1 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYE 38D 11.0 FT. 126+59.78 57.58 °RT TSP-2 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 127+99.13 69.50 °RT TSP-2 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 127+99.13 63.52 °LT SERVICE SOUTHEAST QUANDRANT GROUND MOUNT EXISTING 128+66.61 127.66 °RT MA-6 NORTHEAST QUANDRANT STL COMB MAA&P 22 CONC FDN TYE 38D 13.0 FT 147+28.94 5.51 °RT MA-6 NORTHEAST QUANDRANT STL COMB MAA&P 26 CONC FDN TYE 38D 13.0 FT 147+67.41 40.55 °LT TSP-8 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYE 30D 10.0 FT 147+67.41 40.55 °LT TSP-8 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 147+67.46 36.27 °RT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35 °LT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35 °LT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35 °LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35 °LT TSP-5 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35 °LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35 °LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 °A.35 °CT TTSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 °A.35 °CT TTSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 °A.35 °CT TTSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.67 °A.31 °LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+90.45 °CT TS	HARRISON	AVENUE & S. MALL DRIVE					
MA-4 SOUTHWEST QUANDRANT STL COMB MAA8P 36 CONC FDN TYE 36D 11.0 FT. 125+80.26 57.50' RT	TSP-3	NORTHWEST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	125+34.55	57.00' LT
MA-3 NORTHWEST QUANDRANT STL COMB MAA8P 48 CONC FDN TYE 36D 13.0 FT. 125+91.06 47.58' LT MA-1 SOUTHEAST QUANDRANT STL COMB MAA8P 58 CONC FDN TYE 42D 21.0 FT. 126+59.78 57.58' RT TSP.1 SOUTHEAST QUANDRANT STL COMB MAA8P 58 CONC FDN TYE 42D 21.0 FT. 126+61.00 47.58' LT TSP.1 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 127+09.13 69.50' RT TSP.2 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 127+109.13 69.50' RT TSP.2 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 127+11.65 63.52' LT EXERCISE SOUTHEAST QUANDRANT GROUND MOUNT EXISTING T28+66.61 127.66' RT TSP.5 SOUTHWEST QUANDRANT STL COMB MAA8P 26 CONC FDN TYE 36D 13.0 FT 147+28.94 5.51' RT TSP.9 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYE 30D 10.0 FT 147+67.41 40.55' LT TSP-9 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 147+75.46 36.27' RT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35' LT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35' LT TSP-10 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35' LT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35' LT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35' LT TSP-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35' LT TSP-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+08.59 55.10' LT TSP-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+08.59 55.10' LT TSP-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+08.59 55.10' LT TSP-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+08.59 77.43' LT TSP-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+90.00 67.20' RT TSP-12 NORTHWEST QUANDRANT TS POST A 17 CONC F	TSP-4	SOUTHWEST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	125+67.77	100.62' RT
MA-1 SOUTHEAST QUANDRANT STL COMB MAA8P 58 CONC FDN TYE 42D 21.0 FT. 126+59.78 57.58 'RT MA-2 NORTHEAST QUANDRANT STL COMB MAA8P 30 CONC FDN TYE 36D 11.6 FT. 126+61.00 47.58 'LT TSP-1 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 127+91.65 63.52' LT SERVICE SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 127+11.65 63.52' LT HARRISON AVENUE & S.B. ENTR/EXIT RAMP MA-5 SOUTHWEST QUANDRANT STL COMB MAA8P 42 CONC FDN TYE 36D 13.0 FT 147+28.94 5.51' RT TSP-9 SOUTHWEST QUANDRANT TS L COMB MAA8P 26 CONC FDN TYE 30D 10.0 FT 147+67.41 40.55' LT TSP-9 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 147+75.46 36.27' RT TSP-6 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35' LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+08.97	MA-4	SOUTHWEST QUANDRANT	STL COMB MAA&P 36	CONC FDN TY E 36D	11.0 FT.	125+80.26	57.50' RT
MA-2 NORTHEAST QUANDRANT STL COMB MAA&P 30 CONC FDN TYE 36D 11.6 FT. 126+61.00 47.58' LT TSP-1 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 127+09.13 69.50' RT SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 127+11.65 63.52' LT SERVICE SOUTHEAST QUANDRANT GROUND MOUNT EXISTING 128+66.61 127.66' RT SOUTHWEST QUANDRANT STL COMB MAA&P 42 CONC FDN TYE 36D 13.0 FT 147+28.94 5.51' RT TSP-9 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYE 30D 10.0 FT 147+67.41 40.55' LT TSP-9 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 48.48' LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 48.48' LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 48.48' LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 48.48' LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.77 46.72' RT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.77 46.72' RT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.79 46.72' RT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.59 55.10' LT MA-8 NORTHEAST QUANDRANT ST POST A 17 CONC FDN TYE 36D 12.0 FT 148+98.99 0.07' LT SP-20' RT SP-20	MA-3	NORTHWEST QUANDRANT	STL COMB MAA&P 48	CONC FDN TY E 36D	13.0 FT.	125+91.06	47.58' LT
TSP-1 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 127+09.13 69.50' RT TSP-2 NORTHEAST QUANDRANT GROUND MOUNT EXISTING 128+66.61 127.66' RT SERVICE SOUTHEAST QUANDRANT GROUND MOUNT EXISTING 128+66.61 127.66' RT SERVICE SOUTHEAST QUANDRANT GROUND MOUNT EXISTING 128+66.61 127.66' RT MA-6 NORTHEAST QUANDRANT STL COMB MAA&P 42 CONC FDN TYE 36D 13.0 FT 147+28.94 5.51' RT MA-6 NORTHEAST QUANDRANT STL COMB MAA&P 26 CONC FDN TYE 36D 10.0 FT 147+67.41 40.55' LT TSP-9 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35' LT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35' LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+08.97 46.72' RT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.97 46.72' RT TSP-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+08.97 46.72' RT TSP-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+08.97 46.72' RT TSP-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+08.97 46.72' RT TSP-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+08.99 50.07' LT MA-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+08.99 55.10' LT MA-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYE 36D 12.0 FT 148+08.99 50.07' LT TSP-8 NORTHEAST QUANDRANT SPOST A 17 CONC FDN TYE 36D 11.5 FT 149+32.67 7.43' LT TSP-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYE 36D 11.5 FT 149+32.43 78.42' LT TSP-18 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+90.45 10.225' RT TSP-17 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+90.45 10.225' RT TSP-18 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+90.45 10.225' RT TSP-19 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+90.45 10.225' RT TSP-11 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+32.00 0.02' LT TSP-11 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+32.00 0.02' LT TSP-11 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+68.45 68.04' RT TSP-13 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TY	MA-1	SOUTHEAST QUANDRANT	STL COMB MAA&P 58	CONC FDN TY E 42D	21.0 FT.	126+59.78	57.58' RT
TSP-2 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 127+11.65 63.52 LT	MA-2	NORTHEAST QUANDRANT	STL COMB MAA&P 30	CONC FDN TY E 36D	11.6 FT.	126+61.00	47.58' LT
SERVICE SOUTHEAST QUANDRANT GROUND MOUNT EXISTING 128+66.61 127.66'RT	TSP-1	SOUTHEAST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	127+09.13	69.50' RT
HARRISON AVENUE & S.B. ENTR/EXIT RAMP	TSP-2	NORTHEAST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	127+11.65	63.52' LT
MA-5 SOUTHWEST QUANDRANT STL COMB MAA&P 42 CONC FDN TYE 36D 13.0 FT 147+28.94 5.51'RT MA-6 NORTHEAST QUANDRANT STL COMB MAA&P 26 CONC FDN TY A 3.0 FT 147+67.41 40.55'LT TSP-9 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 148+02.70 84.35'LT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 148+02.70 84.35'LT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 148+08.97 46.72'RT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 148+08.97 46.72'RT TSP-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 148+08.97 46.72'RT MA-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 148+09.99 0.07'LT TSP-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TY B 3.0 FT 149+32.47 7.43'LT SERVICE SOUTHWEST QUANDRANT <td< td=""><td>SERVICE</td><td>SOUTHEAST QUANDRANT</td><td>GROUND MOUNT</td><td>EXISTING</td><td></td><td>128+66.61</td><td>127.66' RT</td></td<>	SERVICE	SOUTHEAST QUANDRANT	GROUND MOUNT	EXISTING		128+66.61	127.66' RT
MA-5 SOUTHWEST QUANDRANT STL COMB MAA&P 42 CONC FDN TYE 36D 13.0 FT 147+28.94 5.51'RT MA-6 NORTHEAST QUANDRANT STL COMB MAA&P 26 CONC FDN TY A 3.0 FT 147+67.41 40.55'LT TSP-9 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 148+02.70 84.35'LT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 148+02.70 84.35'LT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 148+08.97 46.72'RT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 148+08.97 46.72'RT TSP-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 148+08.97 46.72'RT MA-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 148+09.99 0.07'LT TSP-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TY B 3.0 FT 149+32.47 7.43'LT SERVICE SOUTHWEST QUANDRANT <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
MA-6 NORTHEAST QUANDRANT STL COMB MAA&P 26 CONC FDN TYE 30D 10.0 FT 147+67.41 40.55' LT TSP-9 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 147+75.46 36.27' RT TSP-6 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35' LT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.97 46.72' RT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.97 46.72' RT TSP-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.97 46.72' RT MA-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYE 36D 12.0 FT 148+99.89 0.07' LT MA-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYE 30D 11.5 FT 149+32.67 7.43' LT SERVICE SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 144+60.00 67.20' RT US ROUTE 20 (HARRISON AVENUE) & N.B. ENTR/EXIT RAMP<	HARRISON	AVENUE & S.B. ENTR/EXIT RAM	ЛP				
TSP-9 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 147+75.46 36.27' RT TSP-6 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35' LT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.97 46.72' RT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.97 46.72' RT TSP-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.97 46.72' RT MA-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYE 36D 12.0 FT 148+99.89 0.07' LT MA-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYE 30D 11.5 FT 149+32.67 7.43' LT SERVICE SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 149+32.43 78.42' LT WA-11 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+75.00 11.71' RT TSP-17 SOUTHWEST QUANDRANT <td< td=""><td>MA-5</td><td>SOUTHWEST QUANDRANT</td><td>STL COMB MAA&P 42</td><td>CONC FDN TY E 36D</td><td>13.0 FT</td><td>147+28.94</td><td>5.51' RT</td></td<>	MA-5	SOUTHWEST QUANDRANT	STL COMB MAA&P 42	CONC FDN TY E 36D	13.0 FT	147+28.94	5.51' RT
TSP-6 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+02.70 84.35 LT TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+12.62 48.48 LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.97 46.72 RT TSP-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+86.99 55.10 LT MA-8 NORTHEAST QUANDRANT STL COMB MAA&P 32 CONC FDN TYA 3.0 FT 148+89.99 0.07' LT MA-7 NORTHEAST QUANDRANT S MAA & P 22 CONC FDN TYE 30D 11.5 FT 149+32.67 7.43' LT SERVICE SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 149+32.43 78.42' LT SERVICE SOUTHWEST QUANDRANT S MAA & P 42 CONC FDN TYA 3.0 FT 1314+75.00 11.71' RT TSP-17 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+97.00 11.71' RT TSP-17 SOUTHWEST QUANDRANT <td< td=""><td>MA-6</td><td>NORTHEAST QUANDRANT</td><td>STL COMB MAA&P 26</td><td>CONC FDN TY E 30D</td><td>10.0 FT</td><td>147+67.41</td><td>40.55' LT</td></td<>	MA-6	NORTHEAST QUANDRANT	STL COMB MAA&P 26	CONC FDN TY E 30D	10.0 FT	147+67.41	40.55' LT
TSP-5 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+12.62 48.48 LT TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.97 46.72' RT TSP-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+86.59 55.10' LT MA-8 NORTHEAST QUANDRANT ST COMB MAA&P 32 CONC FDN TYE 36D 12.0 FT 148+99.89 0.07' LT MA-7 NORTHEAST QUANDRANT S MAA & P 22 CONC FDN TYE 30D 11.5 FT 149+32.67 7.43' LT SERVICE SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 149+32.43 78.42' LT SERVICE SOUTHWEST QUANDRANT GROUND MOUNT NEW 144+60.00 67.20' RT US ROUTE 20 (HARRISON AVENUE) & N.B. ENTR/EXIT RAMP N.B. ENTR/EXIT RAMP 13.0 FT 1314+75.00 11.71' RT TSP-17 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYE 36D 13.0 FT 1314+90.45 102.25' RT TSP-12 NORTHWEST QUANDRANT TS POST A 17 CO	TSP-9	SOUTHWEST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	147+75.46	36.27' RT
TSP-10 SOUTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+68.97 46.72' RT TSP-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+86.59 55.10' LT MA-8 NORTHEAST QUANDRANT STL COMB MAA&P 32 CONC FDN TYE 36D 12.0 FT 148+99.89 0.07' LT MA-7 NORTHEAST QUANDRANT S MAA & P 22 CONC FDN TYE 30D 11.5 FT 149+32.67 7.43' LT TSP-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 149+32.43 78.42' LT SERVICE SOUTHWEST QUANDRANT GROUND MOUNT NEW 144+60.00 67.20' RT US ROUTE 20 (HARRISON AVENUE) & N.B. ENTRIEXIT RAMP NORTHWEST QUANDRANT S MAA & P 42 CONC FDN TYE 36D 13.0 FT 1314+75.00 11.71' RT TSP-17 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+97.02 108.20' LT TSP-12 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+97.02 108.20' LT MA-9 SOUTHWEST	TSP-6	NORTHWEST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	148+02.70	84.35' LT
TSP-7 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 148+86.59 55.10' LT MA-8 NORTHEAST QUANDRANT STL COMB MAA&P 32 CONC FDN TYE 36D 12.0 FT 148+99.89 0.07' LT MA-7 NORTHEAST QUANDRANT S MAA & P 22 CONC FDN TYE 30D 11.5 FT 149+32.67 7.43' LT TSP-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 149+32.43 78.42' LT SERVICE SOUTHWEST QUANDRANT GROUND MOUNT NEW 144+60.00 67.20' RT US ROUTE 20 (HARRISON AVENUE) & N.B. ENTR/EXIT RAMP N.B. ENTR/EXIT RAMP 13.0 FT 1314+75.00 11.71' RT MA-11 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYE 36D 13.0 FT 1314+90.45 102.25' RT TSP-17 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+90.45 102.25' RT TSP-11 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+97.02 108.20' LT MA-10 NORTHWEST QUANDRANT TS POST A 17 <td< td=""><td>TSP-5</td><td>NORTHWEST QUANDRANT</td><td>TS POST A 17</td><td>CONC FDN TY A</td><td>3.0 FT</td><td>148+12.62</td><td>48.48' LT</td></td<>	TSP-5	NORTHWEST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	148+12.62	48.48' LT
MA-8 NORTHEAST QUANDRANT STL COMB MAA&P 32 CONC FDN TYE 36D 12.0 FT 148+99.89 0.07' LT MA-7 NORTHEAST QUANDRANT S MAA & P 22 CONC FDN TYE 30D 11.5 FT 149+32.67 7.43' LT TSP-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 149+32.43 78.42' LT SERVICE SOUTHWEST QUANDRANT GROUND MOUNT NEW 144+60.00 67.20' RT US ROUTE 20 (HARRISON AVENUE) & N.B. ENTR/EXIT RAMP MA-11 SOUTHWEST QUANDRANT S MAA & P 42 CONC FDN TYE 36D 13.0 FT 1314+75.00 11.71' RT TSP-17 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+90.45 102.25' RT TSP-12 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+97.02 108.20' LT TSP-11 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+21.12 71.84' LT MA-9 SOUTHWEST QUANDRANT STL COMB MAA&P 24 CONC FDN TYE 36D 13.0 FT 1315+358.45 68.04' RT </td <td>TSP-10</td> <td>SOUTHEAST QUANDRANT</td> <td>TS POST A 17</td> <td>CONC FDN TY A</td> <td>3.0 FT</td> <td>148+68.97</td> <td>46.72' RT</td>	TSP-10	SOUTHEAST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	148+68.97	46.72' RT
MA-7 NORTHEAST QUANDRANT S MAA & P 22 CONC FDN TYE 30D 11.5 FT 149+32.67 7.43' LT TSP-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 149+32.43 78.42' LT SERVICE SOUTHWEST QUANDRANT GROUND MOUNT NEW 144+60.00 67.20' RT US ROUTE 20 (HARRISON AVENUE) & N.B. ENTR/EXIT RAMP MA-11 SOUTHWEST QUANDRANT S MAA & P 42 CONC FDN TYE 36D 13.0 FT 1314+75.00 11.71' RT TSP-17 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+90.45 102.25' RT TSP-12 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+97.02 108.20' LT TSP-11 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+21.12 71.84' LT MA-9 SOUTHWEST QUANDRANT STL COMB MAA&P 24 CONC FDN TYE 36D 13.0 FT 1315+35.45 68.04' RT TSP-16 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+83.42 31.25' LT	TSP-7	NORTHEAST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	148+86.59	55.10' LT
TSP-8 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 149+32.43 78.42' LT SERVICE SOUTHWEST QUANDRANT GROUND MOUNT NEW 144+60.00 67.20' RT US ROUTE 20 (HARRISON AVENUE) & N.B. ENTR/EXIT RAMP MA-11 SOUTHWEST QUANDRANT TS MAA & P 42 CONC FDN TYE 36D 13.0 FT 1314+75.00 11.71' RT TSP-17 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+90.45 102.25' RT TSP-12 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+97.02 108.20' LT TSP-11 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+21.12 71.84' LT MA-9 SOUTHWEST QUANDRANT STL COMB MAA&P 24 CONC FDN TYE 36D 13.0 FT 1315+43.20 0.26' LT TSP-16 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYE 30D 12.0 FT 1315+83.42 31.25' LT TSP-13 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+33.50 44.87' LT	MA-8	NORTHEAST QUANDRANT	STL COMB MAA&P 32	CONC FDN TY E 36D	12.0 FT	148+99.89	0.07' LT
SERVICE SOUTHWEST QUANDRANT GROUND MOUNT NEW 144+60.00 67.20'RT	MA-7	NORTHEAST QUANDRANT	S MAA & P 22	CONC FDN TY E 30D	11.5 FT	149+32.67	7.43' LT
MA-11 SOUTHWEST QUANDRANT S MAA & P 42 CONC FDN TYE 36D 13.0 FT 1314+75.00 11.71 RT	TSP-8	NORTHEAST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	149+32.43	78.42' LT
MA-11 SOUTHWEST QUANDRANT S MAA & P 42 CONC FDN TYE 36D 13.0 FT 1314+75.00 11.71'RT TSP-17 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+90.45 102.25'RT TSP-12 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+97.02 108.20'LT TSP-11 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+21.12 71.84'LT MA-10 NORTHWEST QUANDRANT STL COMB MAA&P 44 CONC FDN TYE 36D 13.0 FT 1315+43.20 0.26'LT MA-9 SOUTHWEST QUANDRANT STL COMB MAA&P 24 CONC FDN TYE 30D 12.0 FT 1315+58.45 68.04'RT TSP-16 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+33.50 44.87'LT TSP-13 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+33.50 44.87'LT TSP-14 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+06.68 73.42'LT TSP-15 NORTHEAST QUAND	SERVICE	SOUTHWEST QUANDRANT	GROUND MOUNT	NEW		144+60.00	67.20' RT
MA-11 SOUTHWEST QUANDRANT S MAA & P 42 CONC FDN TYE 36D 13.0 FT 1314+75.00 11.71'RT TSP-17 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+90.45 102.25'RT TSP-12 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+97.02 108.20'LT TSP-11 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+21.12 71.84'LT MA-10 NORTHWEST QUANDRANT STL COMB MAA&P 44 CONC FDN TYE 36D 13.0 FT 1315+43.20 0.26'LT MA-9 SOUTHWEST QUANDRANT STL COMB MAA&P 24 CONC FDN TYE 30D 12.0 FT 1315+58.45 68.04'RT TSP-16 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+33.50 44.87'LT TSP-13 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+33.50 44.87'LT TSP-14 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+06.68 73.42'LT TSP-15 NORTHEAST QUAND							
TSP-17 SOUTHWEST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 1314+90.45 102.25' RT TSP-12 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 1314+97.02 108.20' LT TSP-11 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 1315+21.12 71.84' LT MA-10 NORTHWEST QUANDRANT STL COMB MAA&P 44 CONC FDN TY E 36D 13.0 FT 1315+43.20 0.26' LT MA-9 SOUTHWEST QUANDRANT STL COMB MAA&P 24 CONC FDN TY E 30D 12.0 FT 1315+83.42 31.25' LT TSP-16 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 1315+83.42 31.25' LT TSP-13 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 1316+33.50 44.87' LT TSP-14 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 1316+60.68 73.42' LT TSP-15 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 1316+66.56 35.12' LT MA-12 SO	US ROUTE	20 (HARRISON AVENUE) & N.B.	ENTR/EXIT RAMP				
TSP-12 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1314+97.02 108.20' LT TSP-11 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+21.12 71.84' LT MA-10 NORTHWEST QUANDRANT STL COMB MAA&P 44 CONC FDN TYE 36D 13.0 FT 1315+43.20 0.26' LT MA-9 SOUTHWEST QUANDRANT STL COMB MAA&P 24 CONC FDN TYE 30D 12.0 FT 1315+58.45 68.04' RT TSP-16 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+83.42 31.25' LT TSP-13 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+33.50 44.87' LT TSP-14 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+60.68 73.42' LT TSP-15 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+66.56 35.12' LT MA-12 SOUTHEAST QUANDRANT STL COMB MAA&P 30 CONC FDN TYE 36D 12.0 FT 1317+15.13 6.09' RT	MA-11	SOUTHWEST QUANDRANT	S MAA & P 42	CONC FDN TY E 36D	13.0 FT	1314+75.00	11.71' RT
TSP-11 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+21.12 71.84' LT MA-10 NORTHWEST QUANDRANT STL COMB MAA&P 44 CONC FDN TYE 36D 13.0 FT 1315+43.20 0.26' LT MA-9 SOUTHWEST QUANDRANT STL COMB MAA&P 24 CONC FDN TYE 30D 12.0 FT 1315+58.45 68.04' RT TSP-16 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+33.50 44.87' LT TSP-13 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+33.50 44.87' LT TSP-14 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+60.68 73.42' LT TSP-15 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+66.56 35.12' LT MA-12 SOUTHEAST QUANDRANT STL COMB MAA&P 30 CONC FDN TYE 36D 12.0 FT 1317+15.13 6.09' RT	TSP-17	SOUTHWEST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	1314+90.45	102.25' RT
MA-10 NORTHWEST QUANDRANT STL COMB MAA&P 44 CONC FDN TYE 36D 13.0 FT 1315+43.20 0.26' LT MA-9 SOUTHWEST QUANDRANT STL COMB MAA&P 24 CONC FDN TYE 30D 12.0 FT 1315+58.45 68.04' RT TSP-16 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+83.42 31.25' LT TSP-13 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+33.50 44.87' LT TSP-14 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+60.68 73.42' LT TSP-15 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+60.56 35.12' LT MA-12 SOUTHEAST QUANDRANT STL COMB MAA&P 30 CONC FDN TYE 36D 12.0 FT 1317+15.13 6.09' RT	TSP-12	NORTHWEST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	1314+97.02	108.20' LT
MA-9 SOUTHWEST QUANDRANT STL COMB MAA&P 24 CONC FDN TYE 30D 12.0 FT 1315+58.45 68.04' RT TSP-16 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+83.42 31.25' LT TSP-13 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+33.50 44.87' LT TSP-14 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+60.68 73.42' LT TSP-15 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+66.56 35.12' LT MA-12 SOUTHEAST QUANDRANT STL COMB MAA&P 30 CONC FDN TYE 36D 12.0 FT 1317+15.13 6.09' RT	TSP-11	NORTHWEST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	1315+21.12	71.84' LT
TSP-16 NORTHWEST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1315+83.42 31.25' LT TSP-13 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+33.50 44.87' LT TSP-14 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+60.68 73.42' LT TSP-15 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+66.56 35.12' LT MA-12 SOUTHEAST QUANDRANT STL COMB MAA&P 30 CONC FDN TYE 36D 12.0 FT 1317+15.13 6.09' RT	MA-10	NORTHWEST QUANDRANT	STL COMB MAA&P 44	CONC FDN TY E 36D	13.0 FT	1315+43.20	0.26' LT
TSP-13 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+33.50 44.87' LT TSP-14 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+60.68 73.42' LT TSP-15 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+66.56 35.12' LT MA-12 SOUTHEAST QUANDRANT STL COMB MAA&P 30 CONC FDN TYE 36D 12.0 FT 1317+15.13 6.09' RT	MA-9	SOUTHWEST QUANDRANT	STL COMB MAA&P 24	CONC FDN TY E 30D	12.0 FT	1315+58.45	68.04' RT
TSP-14 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TYA 3.0 FT 1316+60.68 73.42' LT TSP-15 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 1316+66.56 35.12' LT MA-12 SOUTHEAST QUANDRANT STL COMB MAA&P 30 CONC FDN TY E 36D 12.0 FT 1317+15.13 6.09' RT	TSP-16	NORTHWEST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	1315+83.42	31.25' LT
TSP-15 NORTHEAST QUANDRANT TS POST A 17 CONC FDN TY A 3.0 FT 1316+66.56 35.12' LT MA-12 SOUTHEAST QUANDRANT STL COMB MAA&P 30 CONC FDN TY E 36D 12.0 FT 1317+15.13 6.09' RT	TSP-13	NORTHEAST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	1316+33.50	44.87' LT
MA-12 SOUTHEAST QUANDRANT STL COMB MAA&P 30 CONC FDN TY E 36D 12.0 FT 1317+15.13 6.09' RT	TSP-14	NORTHEAST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	1316+60.68	73.42' LT
	TSP-15	NORTHEAST QUANDRANT	TS POST A 17	CONC FDN TY A	3.0 FT	1316+66.56	35.12' LT
SERVICE SOUTHWEST QUANDRANT GROUND MOUNT NEW 1316+32.06 133.34'RT	MA-12	SOUTHEAST QUANDRANT	STL COMB MAA&P 30	CONC FDN TY E 36D	12.0 FT	1317+15.13	6.09' RT
	SERVICE	SOUTHWEST QUANDRANT	GROUND MOUNT	NEW		1316+32.06	133.34' RT

SCHEDULE OF HANDHOLE QUANTITIES

REF.	LOCATION	TYPE	STATION	OFFSET
ARRISON AVENUE & S. I	MALL DRIVE			
HH-6	NORTHWEST QUANDRANT	HANDHOLE	125+48.38	62.27' LT
HH-8	SOUTHWEST QUANDRANT	HANDHOLE	125+65.27	93.20' RT
HH-7	SOUTHWEST QUANDRANT	HANDHOLE	125+84.06	54.00' RT
HH-5	NORTHWEST QUANDRANT	HANDHOLE	125+93.90	54.42' LT
HH-3	NORTHEAST QUANDRANT	HANDHOLE	126+65.06	52.39' LT
HH-2	SOUTHEAST QUANDRANT	HANDHOLE	126+65.06	54.08' RT
DHH-1	SOUTHEAST QUANDRANT	DBL HANDHOLE	126+86.00	94.50' RT
HH-4	NORTHEAST QUANDRANT	HANDHOLE	126+93.91	77.03' LT
HARRISON AVENUE & S.B		DDI HANDHOLE	140.00.00	07 00! DT
DHH-13	SOUTHEAST QUANDRANT	DBL HANDHOLE	148+26.09	37.00' RT
HH-14	SOUTHWEST QUANDRANT	HANDHOLE	147+20.00	10.00' RT
HH-15	NORTHWEST QUANDRANT	HANDHOLE	147+59.58	44.00' LT
HH-16	NORTHWEST QUANDRANT	HANDHOLE	148+19.04	52.79' LT
HH-17	NORTHEAST QUANDRANT	HANDHOLE	148+77.94	51.23' LT
HH-18	NORTHEAST QUANDRANT	HANDHOLE	149+10.52	4.81' LT
HH-19	NORTHWEST QUANDRANT	HANDHOLE	148+08.70	83.31' LT
HH-20	NORTHEAST QUANDRANT	HANDHOLE	149+19.89	88.71'LT
US DOUTE OF THE PRICON	AVENUE ON D. ENTR/EVIT DAMP			
DHH-22	AVENUE) & N.B. ENTR/EXIT RAMP SOUTHWEST QUANDRANT	DBL HANDHOLE	1315+90.00	55.00' RT
HH-23	SOUTHWEST QUANDRANT	HANDHOLE	1315+44.25	60.25' RT
HH-24	SOUTHWEST QUANDRANT	HANDHOLE	1315+31.96	4.44' RT
HH-25	NORTHWEST QUANDRANT	HANDHOLE	1315+43.34	42.69' LT
HH-26	NORTHWEST QUANDRANT	HANDHOLE	1315+11.23	64.77'LT
HH-27	NORTHWEST QUANDRANT	HANDHOLE	1314+88.89	95.24' LT
HH-28	NORTHEAST QUANDRANT	HANDHOLE	1316+56.84	37.72' LT
HH-29	NORTHEAST QUANDRANT	HANDHOLE	1316+66.56	69.46' LT
HH-30	SOUTHEAST QUANDRANT	HANDHOLE	1317+25.00	0.00' RT

SCHEDULE OF SIGNAL HEAD QUANTITIES

QTY.	UNIT	ITEM	SIGNAL #
ARRISON AVE	NUE & S. MALL	DRIVE	
2	EACH	SH P LED 1F 3S BM	11, 23
11	EACH	SH P LED 1F 3S MAM	1, 2, 3, 4, 9, 10, 14, 15, 16, 21, 22
2	EACH	SH P LED 1F 4S BM	5, 17
2	EACH	SH P LED 1F 4S MAM	8,20
8	EACH	SH P LED 1F 5S BM	6, 7, 12, 13, 18, 19, 24, 25
2	EACH	PED, SH, P, LED, 1F, BM CT	
13	EACH	TS BCKPLT L F PL SPL	1, 2, 3, 4, 8, 9, 10, 14, 15, 16, 20, 21, 22
IARRIGON AVE		TO/FWIT DAMP	
	NUE & S.B. EN		00 00 00 01 05 10 11 10
8	EACH	SHP LED 1F 3S BM	29, 32, 33, 34, 35, 40, 41, 42
9	EACH	SH P LED 1F 3S MAM	26, 27, 28, 30, 31, 36, 37, 38, 39
	EACH	SH P LED 1F 4S BM	
	EACH	SH P LED 1F 4S MAM	
	EACH	SH P LED 1F 5S BM	
4	EACH	PED, SH, P, LED, 1F, BM CT	
9	EACH	TS BCKPLT L F PL SPL	26, 27, 28, 30, 31, 36, 37, 38, 39
JS ROUTE 20 (I	HARRISON AVE	NUE) & N.B. ENTR/EXIT RAMP	
9	EACH	SH P LED 1F 3S BM	43, 48, 51, 52, 53, 54, 55, 56, 59
8	EACH	SH P LED 1F 3S MAM	44, 45, 46, 47, 49, 50, 57, 58
	EACH	SH P LED 1F 4S BM	, , , , , , , , , , , , , , , , , , , ,
	EACH	SH P LED 1F 4S MAM	
	EACH	SH P LED 1F 5S BM	
4	EACH	PED, SH, P, LED, 1F, BM CT	
8	EACH	TS BCKPLT L F PL SPL	44, 45, 46, 47, 49, 50, 57, 58

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Engineering Group, LLC
PROFESSOR STATES COMPANY STATES C

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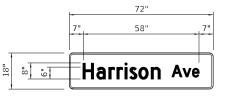
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 10/13/2023
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SIGNAL SCHEDULE
US RTE 20 (HARRISON AVENUE) AND I-39 DDI

SCALE: N.T.S. SHEET 2 OF 21 SHEETS STA. TO STA.

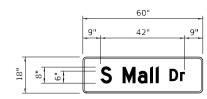
ELECTRICAL GENERAL NOTES

- 1. ALL SIGNAL HEADS SHALL HAVE 12" SECTIONS. SIDE OF POLE MOUNTING HARDWARE SHALL BE YELLOW POLYCARBONATE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PAST COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE CONNECTIONS.
- 2. BACKPLATES SHALL BE ABS PLASTIC, POLYCARBONATE, LOUVERED FORMED BACKPLATES WITH FLUORESCENT YELLOW SHEETING.
- 3. THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER. WHICHEVER DISTANCE IS GREATER. IN CURBED SECTION, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE.
- 4. ALL TRAFFIC SIGNAL CABLES SHALL BE #14 A.W.G. SOLID COPPER UNLESS OTHERWISE SPECIFIED.
- 5. ALL HANDHOLE'S SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03). THE CAST-IN-PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS. HANDHOLE LIDS SHALL OPEN SO THAT YOU ARE FACING THE ROAD.
- 6. GROUND WIRES SHALL BE TYPE XLP, NO. 6 A.W.G., STRANDED COPPER, GREEN COLOR CODED AND IN ACCORDANCE WITH STANDARD 873001 AND SECTION 873 OF THE STANDARD SPECIFICATIONS.
- 7. PROPOSED CONTROLLER EQUIPMENT SHALL BE COMPATIBLE WITH EXISTING DISTRICT MOBOTREX TRAFFIC SIGNAL EQUIPMENT MONITORING EQUIPMENT AND SOFTWARE.
- 8. CONDUIT SPLICES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED PART OF THE NEW CONDUIT INSTALLATION.
- 9. THE LOCATION OF SIGNAL HEADS ON MAST ARMS SHALL BE APPROVED BY THE ENGINEER BEFORE MAST ARMS ARE INSTALLED.
- 10. HDPE COILABLE CONDUIT MEETING REQUIREMENTS OF SECTION 810 MAY BE SUBSTITUTED FOR PVC CONDUITS.
- 11. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANHOLES AND JUNCTION BOXES WILL NOT BE ALLOWED.
- 12. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE POLYCARBONATE YELLOW HOUSING AND POLYCARBONATE BRACKETS.
- 13. THE ELEVATION OF THE TOP OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE TOP OF THE CONTROLLER FOUNDATION. THE DOUBLE HANHOLES INSTALLED CLOSE TO THE ROADWAY SHALL OPEN UP TOWARDS THE ROADWAY SO THE ELECTRICAL MAINTAINER IS NOT EXPOSED TO TRAFFIC WHEN WORKING.
- 14. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS TRAFFIC SIGNAL INSTALLATIONS.
- 15. THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE PLANS HAVE BEEN LOCATED AT THE TIME OF SURVEY, OR BASED ON AVAILABLE EXISTING INFORMATION. NO GUARANTEE IS IMPLIED THAT ALL UTILITIES HAVE BEEN LOCATED OR DEPICTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT LOCATION OF ALL UTILITIES. IT MAY BE NECESSARY TO HAND DIG TEST HOLES TO EXPOSE EXISTING UTILITIES AT SOME LOCATIONS.
- 16. SIGN SHEETING FOR MAST ARM SIGNS SHALL BE TYPE ZZ SHEETING.



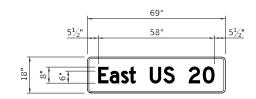
Α FURNISH & INSTALL FOUR (4) EACH SIGN DETAIL OF SIGN PANEL - TYPE 1 (NOT TO SCALE)

COLOR	LEGEND AND BORDER	WHITE	REFLECTORIZED
COLOR	BACKGROUND	GREEN	REFLECTORIZED
SERIES	D 2000		
SIZE	8/6		



В FURNISH & INSTALL TWO (2) EACH SIGN DETAIL OF SIGN PANEL - TYPE 1 (NOT TO SCALE)

_				
	COLOR	LEGEND AND BORDER	WHITE	REFLECTORIZED
		BACKGROUND	GREEN	REFLECTORIZED
	SERIES	D 2000		
	SIZE	8/6		



C FURNISH & INSTALL ONE (1) EACH SIGN DETAIL OF SIGN PANEL - TYPE 1 (NOT TO SCALE)

COLOR	LEGEND AND BORDER	WHITE	REFLECTORIZED
COLOR	BACKGROUND	GREEN	REFLECTORIZED
SERIES	D 2000		
SIZE	8/6		



R3-3 36" X 36" D FURNISH & INSTALL FOUR (4) EACH SIGN DETAIL OF SIGN PANEL - TYPE 1 (NOT TO SCALE)

> LEFT TURN YIELD ON FLASHING YELLOW ARROW

R10-27a 30" X 36" J FURNISH & INSTALL TWO (2) EACH SIGN DETAIL OF SIGN PANEL - TYPE 1 (NOT TO SCALE)

NO TURN ON RED

36" X 36" Ε FURNISH & INSTALL THREE (3) EACH SIGN DETAIL OF SIGN PANEL - TYPE 1

(NOT TO SCALE)

R10-11h

LEFT ON **GREEN ARROW** ONLY

Н FURNISH & INSTALL TWO (2) EACH SIGN DETAIL OF SIGN PANEL - TYPE 1

(NOT TO SCALE)

R10-5

30" X 36"

R10-3e 9"x15" K

FURNISH & INSTALL FIGHT (8) EACH SIGN

DON'T CROS

DON'T CROS R10-3e

9"x15" L

FURNISH & INSTALL TWO (2) EACH SIGN

DETAIL OF SIGN PANEL - TYPE 1 (NOT TO SCALE)

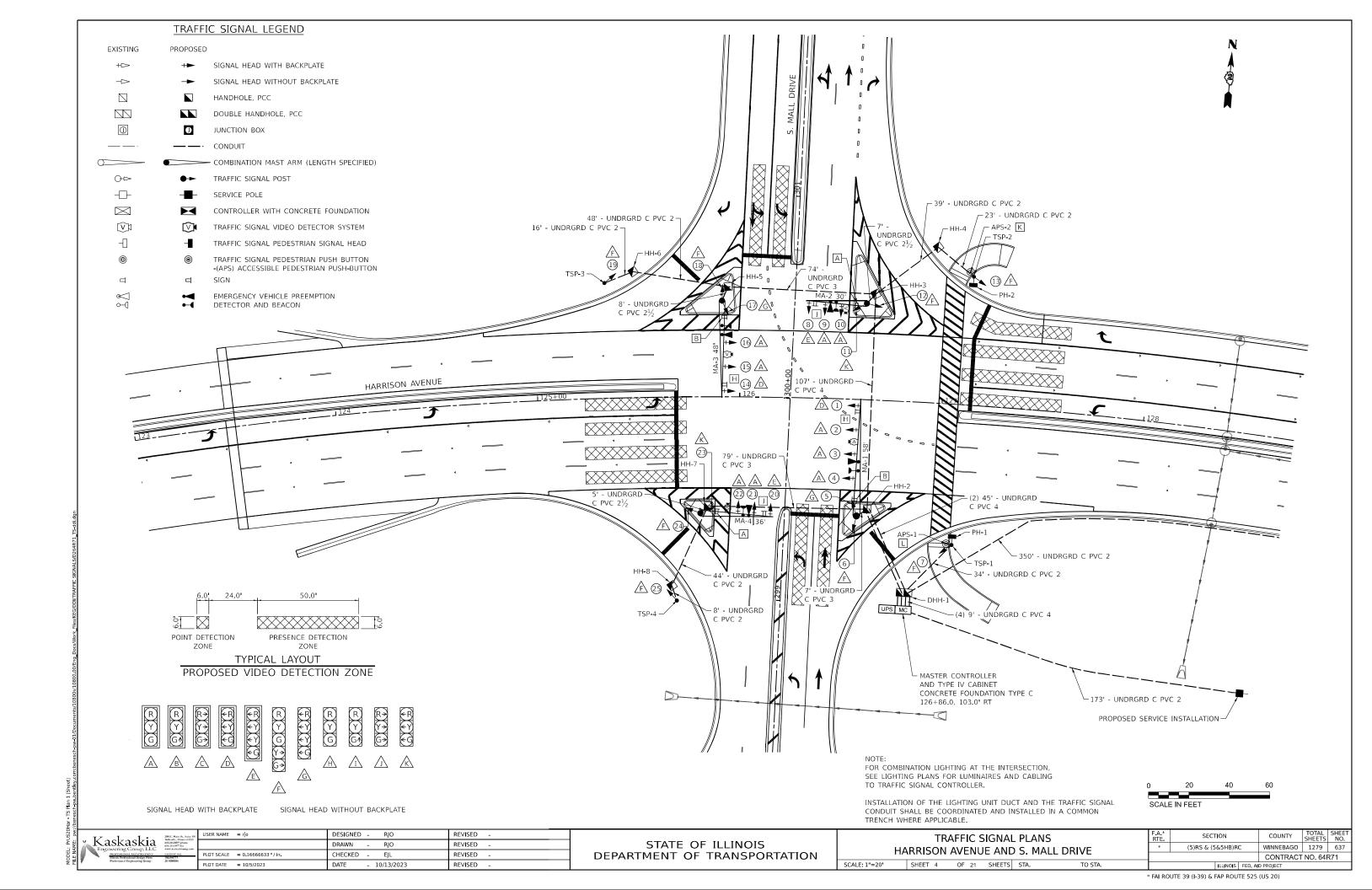


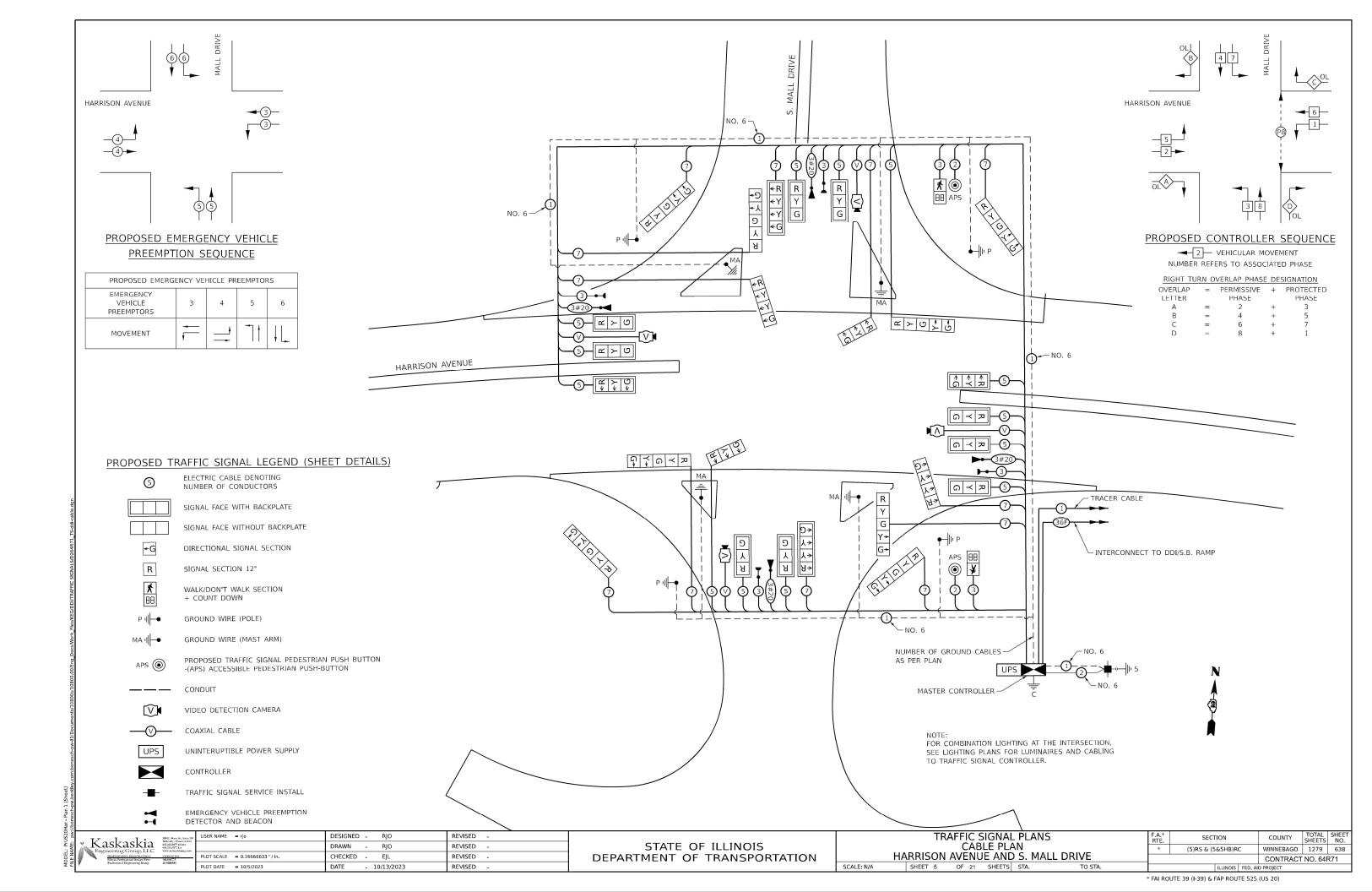
DESIGNED -RJO REVISED DRAWN RIO REVISED CHECKED -EJL REVISED PLOT DATE = 10/5/2023 DATE - 10/13/2023 REVISED

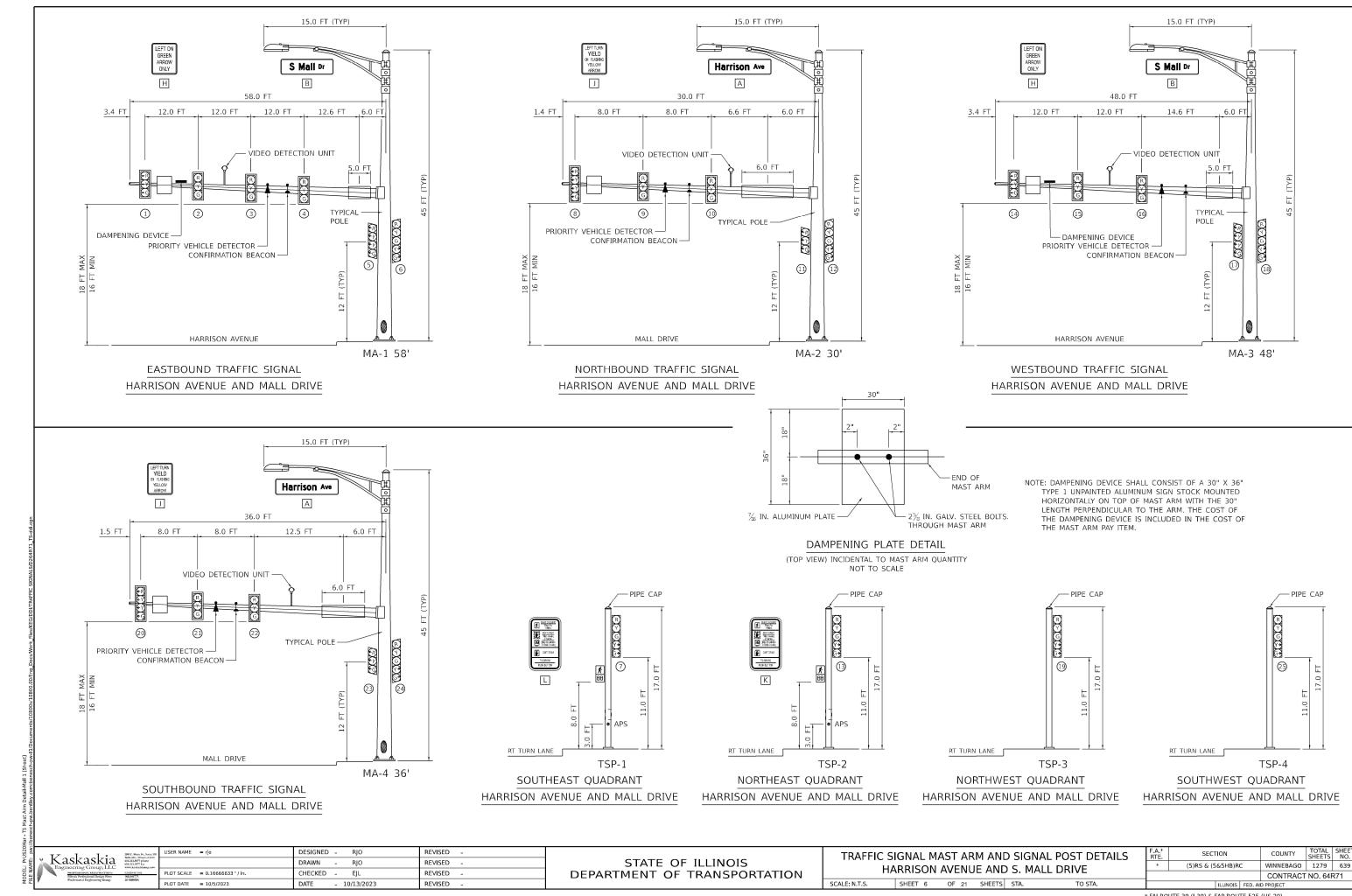
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

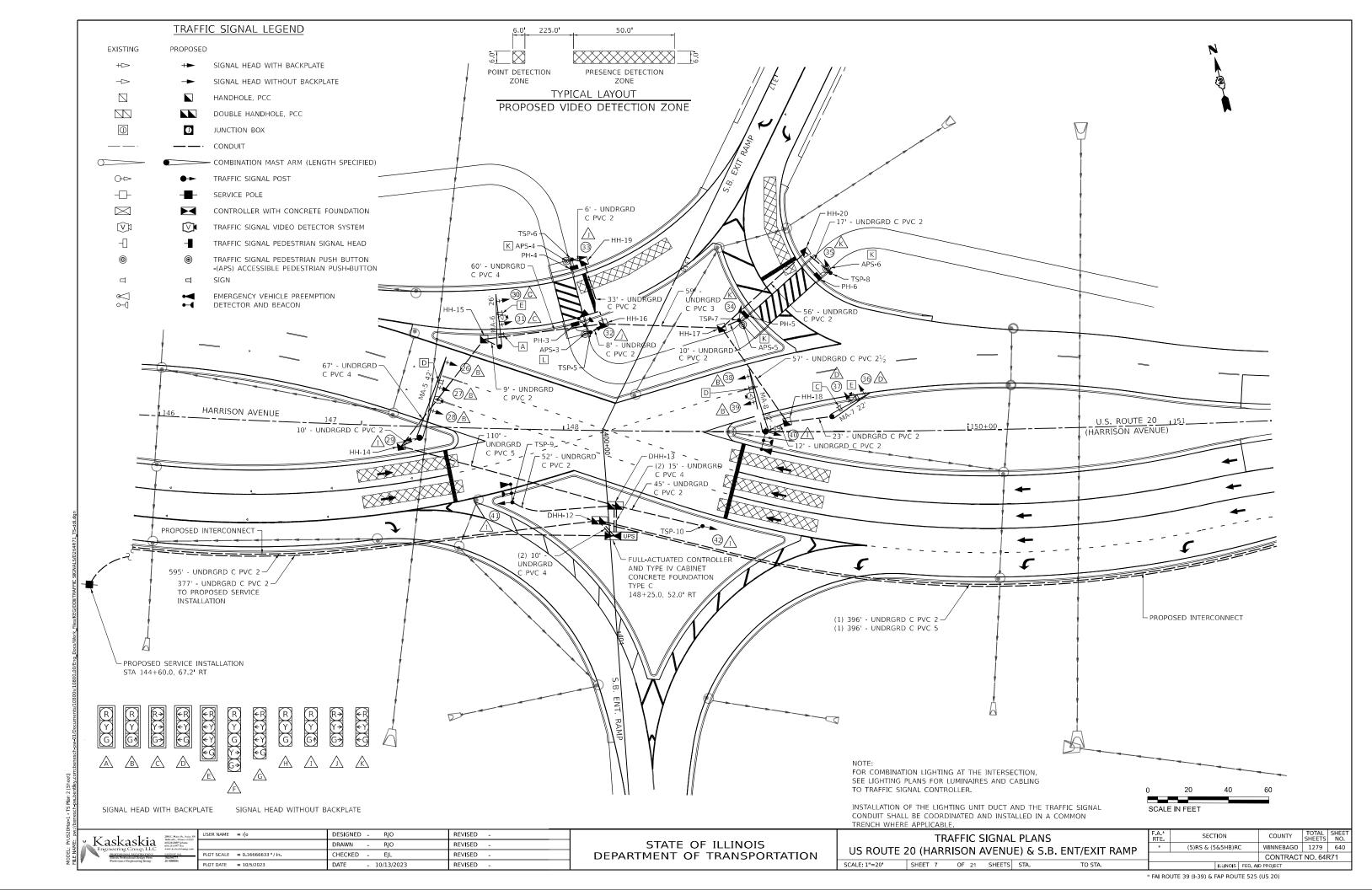
TRAFFIC SIGNAL GENERAL NOTES AND SIGNS US RTE 20 (HARRISON AVENUE) AND I-39 DDI SCALE: N.T.S. SHEET 3 OF 21 SHEETS STA.

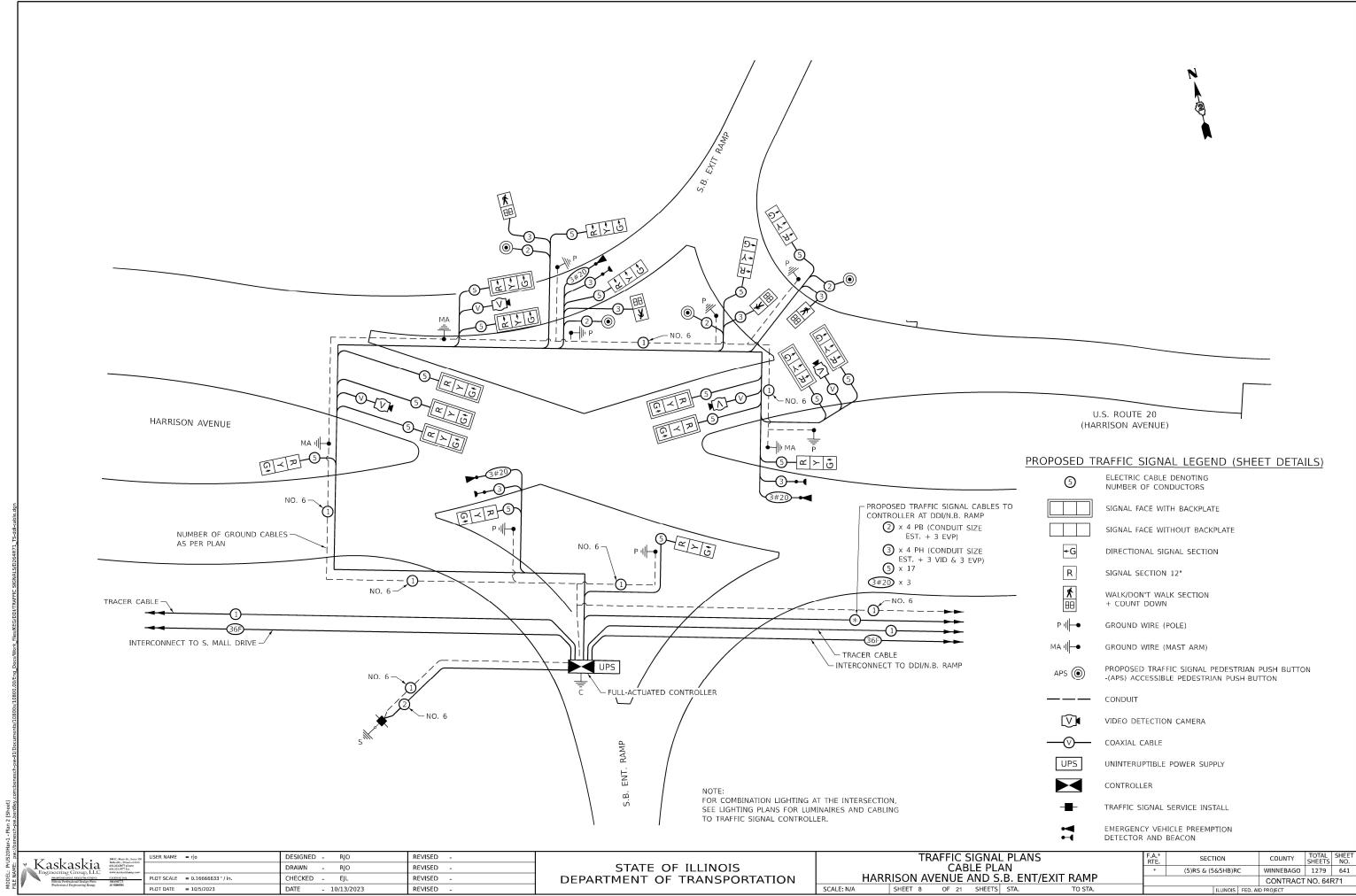
SECTION COUNTY (5)RS & (5&5HB)RC WINNEBAGO 1279 636 CONTRACT NO. 64R71

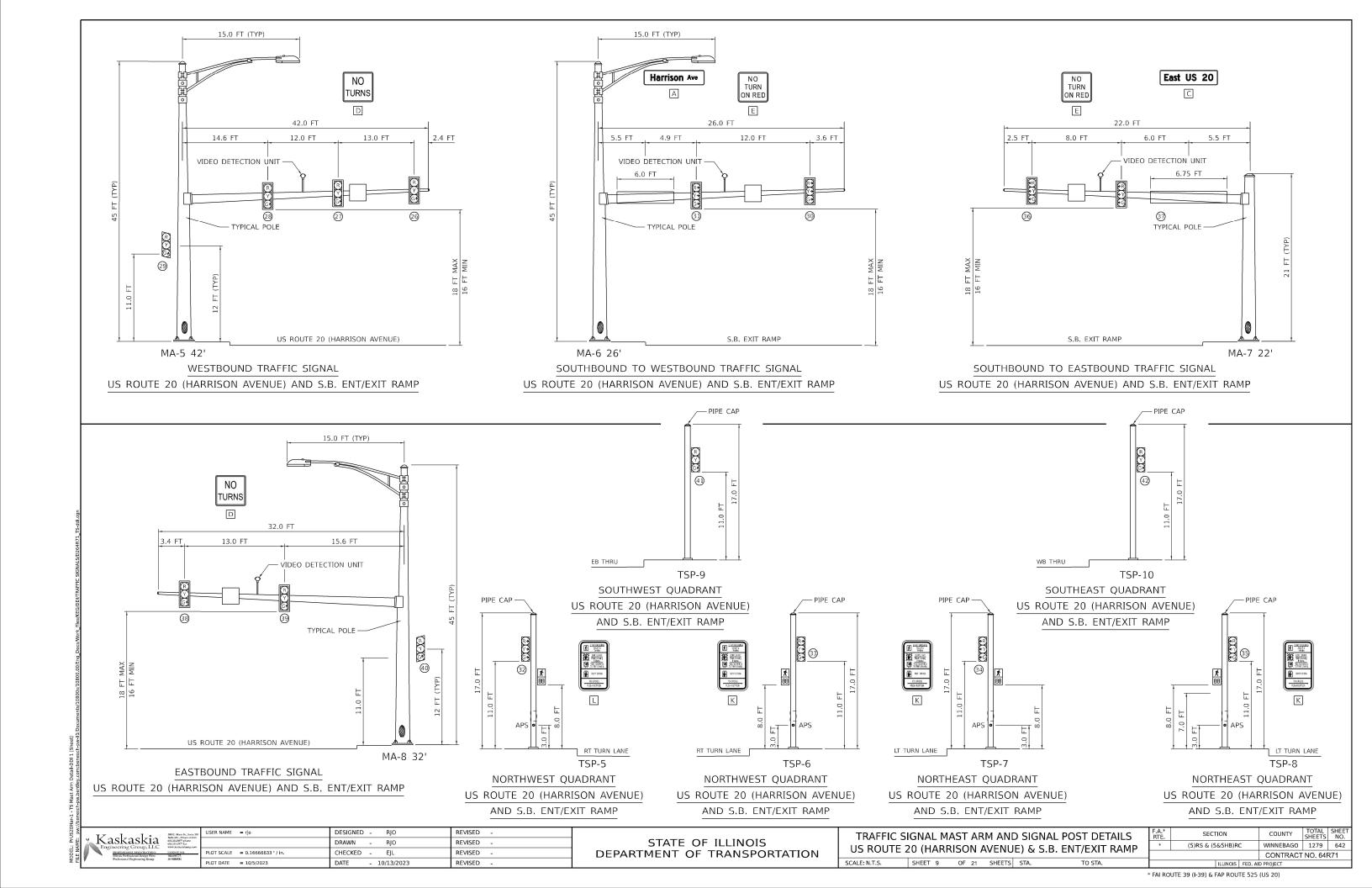


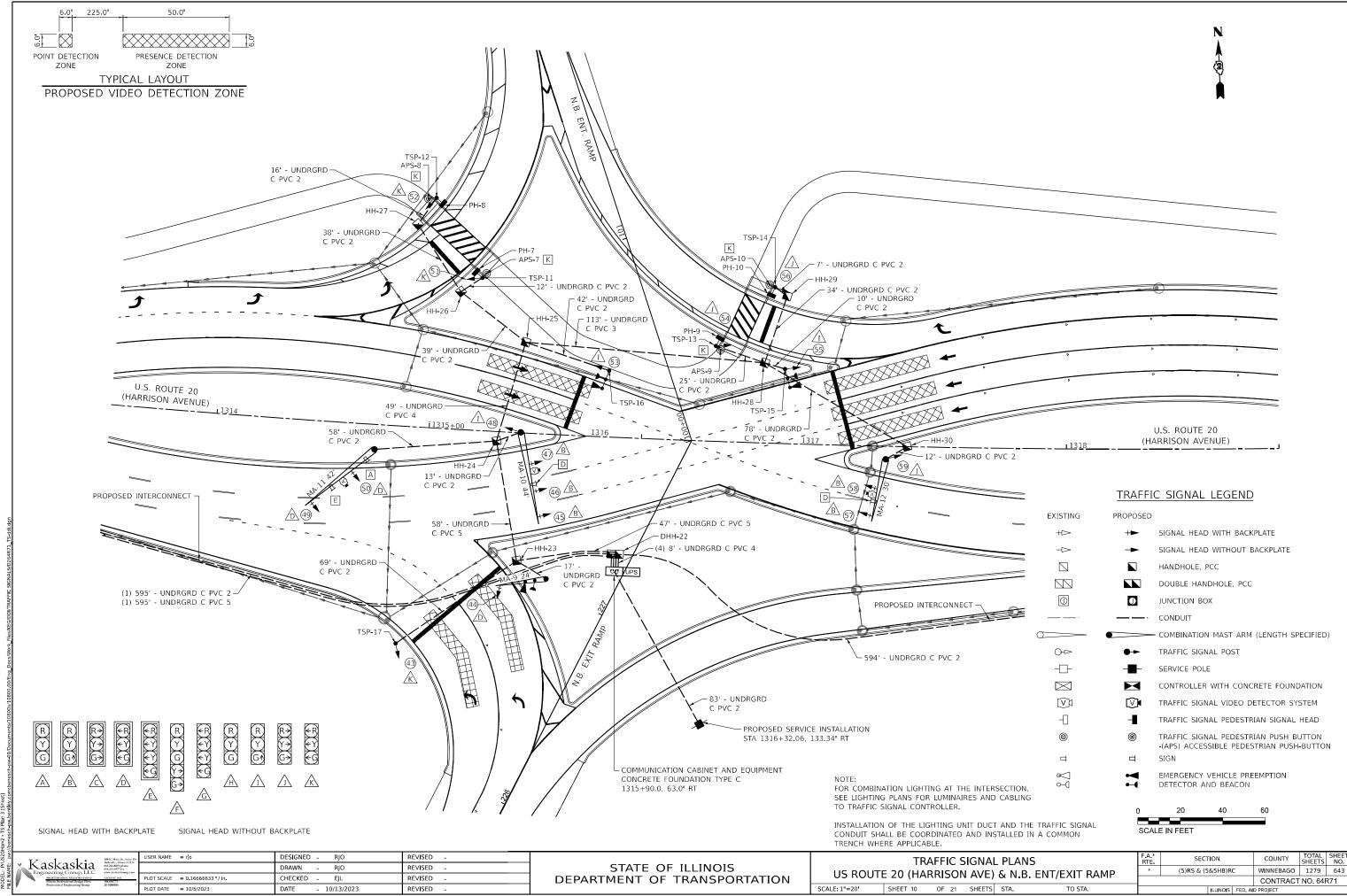


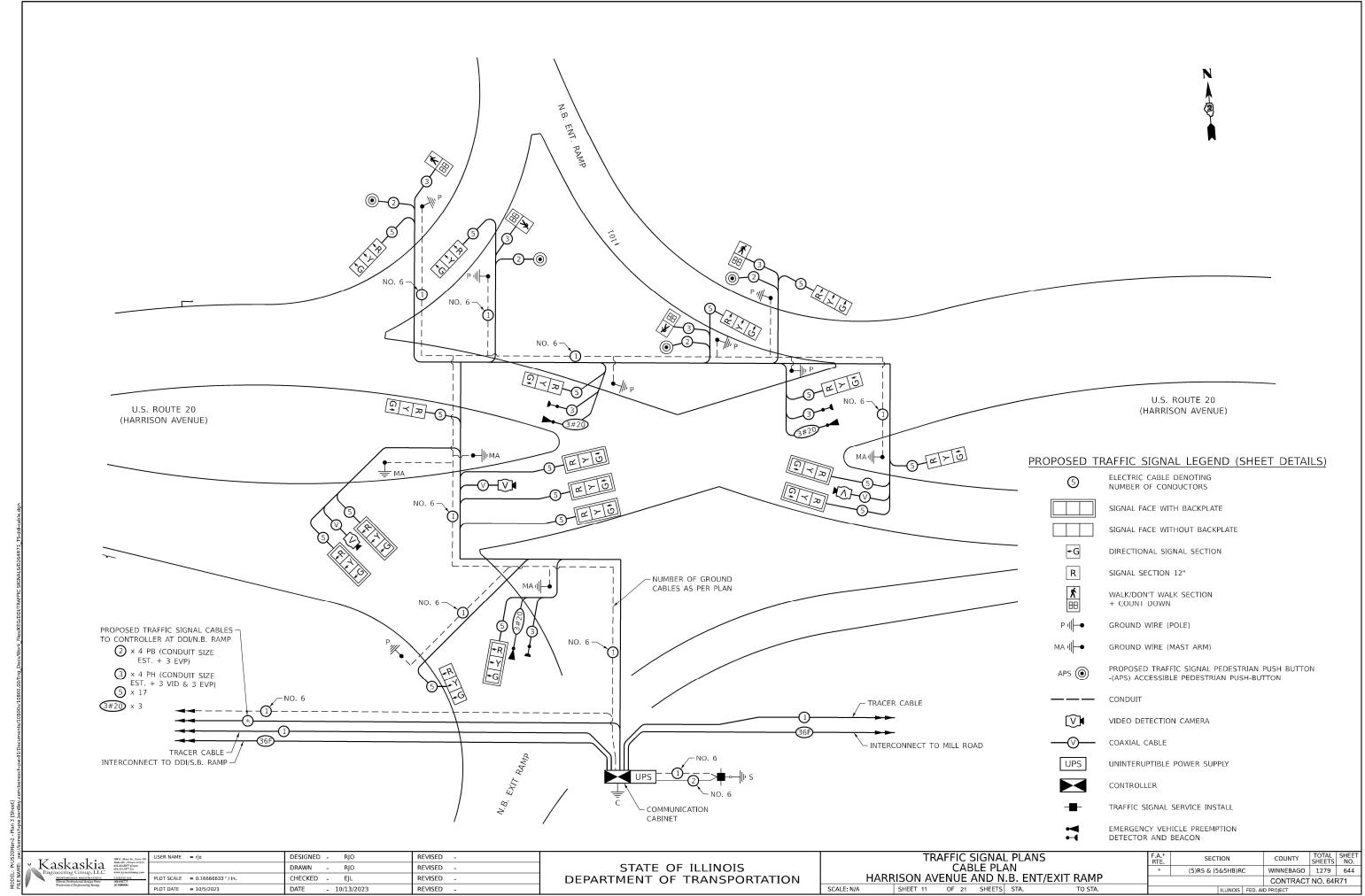


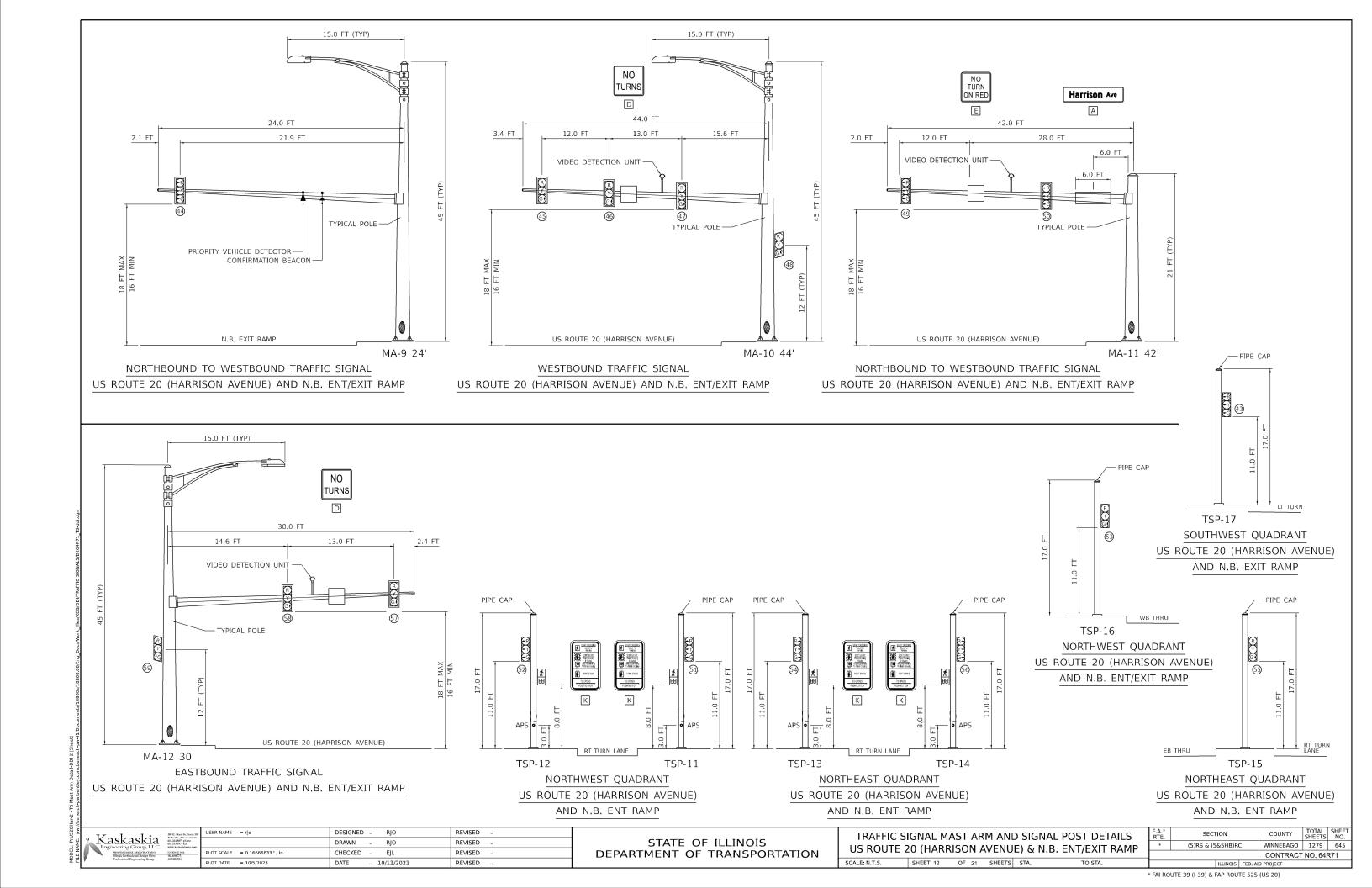


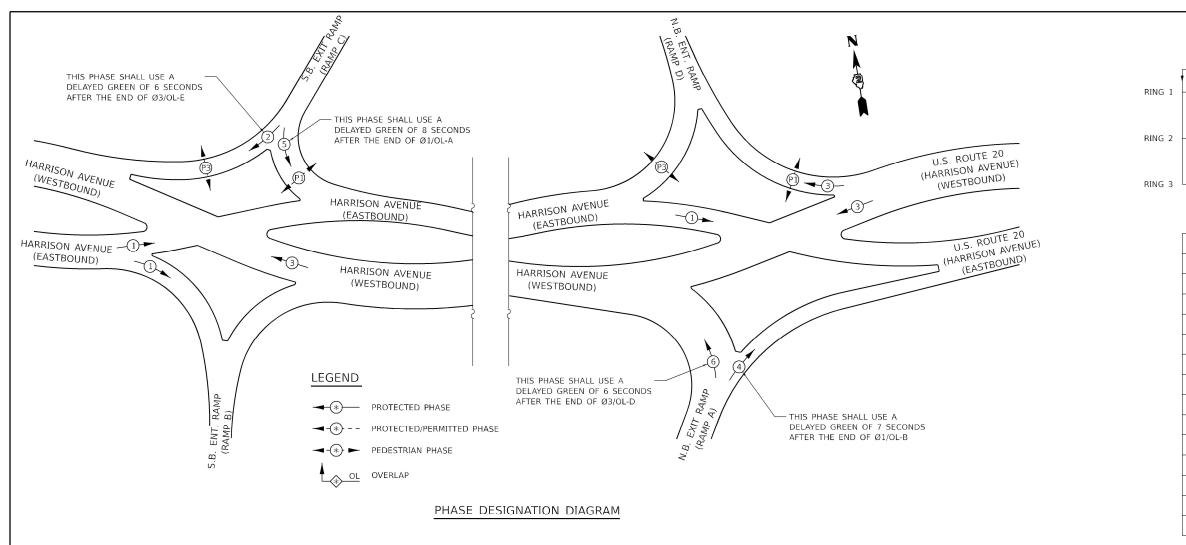










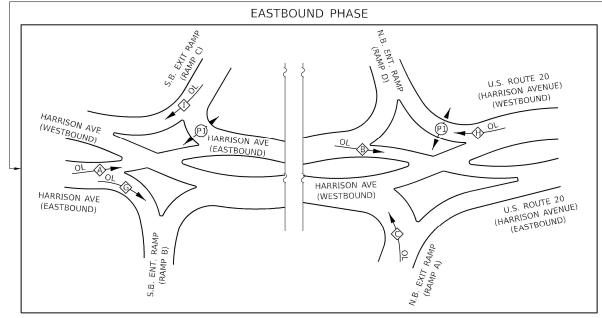


HARRISON | HARRISON | (SEE EVP SEQUENCE) Ø1 (EVP 4) (EVP 5) (EVP 6) Ø2 Ø6

PHASE, RING AND BARRIER DESIGN

TRAFFIC MOVEMENT	Ø NUMBER	OVERLAP	NOTES
HARRISON EB AT SB ENT/EXIT RAMPS	Ø1+Ø7	\langle	EVP 3 (Ø7)
HARRISON EB AT NB ENT/EXIT RAMPS	Ø1+Ø7+Ø9	₿	EVP 3 & 5 (Ø7 & Ø9)
NB EXIT RAMP LT (WB)	Ø6+Ø10	\bigotimes	EVP 6 (Ø10) DELAYED GREEN
HARRISON WB AT NB ENT/EXIT RAMPS	Ø3+Ø8	\bigotimes	EVP 4 (Ø8)
HARRISON WB AT SB ENT/EXIT RAMPS	Ø3+Ø8+Ø10	(EVP 4 & 6 (Ø8 & Ø10)
SB EXIT RAMP LT (EB)	Ø5+Ø9	(F)	EVP 5 (Ø9),DELAY GREEI PED PROTECT, NOTE 3
HARRISON EB AT SB ENT RAMP (RT)	Ø1+Ø3+Ø7	\$	EVP 3 (Ø7)
HARRISON WB AT NB ENT RAMP (RT)	Ø1+Ø3+Ø8	\bigoplus	EVP 4 (Ø8) PED PROTECT, NOTE 2
PEDESTRIAN CROSSING SB EXIT RAMP (WB)	ØP3		PED PROTECT, NOTE 3
PEDESTRIAN CROSSING SB EXIT RAMP (EB)	ØP1		
PEDESTRIAN CROSSING NB ENT RAMP (EB)	ØP3		
PEDESTRIAN CROSSING NB ENT RAMP (WB)	ØP1		PED PROTECT, NOTE 2
SB EXIT RAMP RT	Ø2+Ø9	\Diamond	EVP 5 (Ø9) DELAYED GREEN
NB EXIT RAMP RT	Ø4+Ø10	\Diamond	EVP 6 (Ø10) DELAYED GREEN

PHASING ASSIGNMENT



WESTBOUND PHASE U.S. ROUTE 20 (HARRISON AVENUE) (WESTBOUND) HARRISON AVE (WESTBOUND) 1 OL HARRISON AVE (EASTBOUND) HARRISON AVE U.S. ROUTE 20 (HARRISON AVENUE) (EASTBOUND) (WESTBOUND) HARRISON AVE (EASTBOUND)

- ALL VEHICLE SIGNAL INDICATIONS/LOAD SWITCHES FOR DIVERGING DIAMOND INTERCHANGE SHALL BE OPERATED BY CONTROLLER OVERLAPS "A" THROUGH "J".
- 2. PEDESTRIAN PROTECT N.B. ENT. RAMP
 - UPON PUSH-BUTTON ACTIVATION OF P1 PHASE AT N.B. ENT. RAMP CROSSING, OVERLAP "H" SHALL NOT DISPLAY GREEN UNTIL
- 3. PEDESTRIAN PROTECT S.B. EXIT RAMP

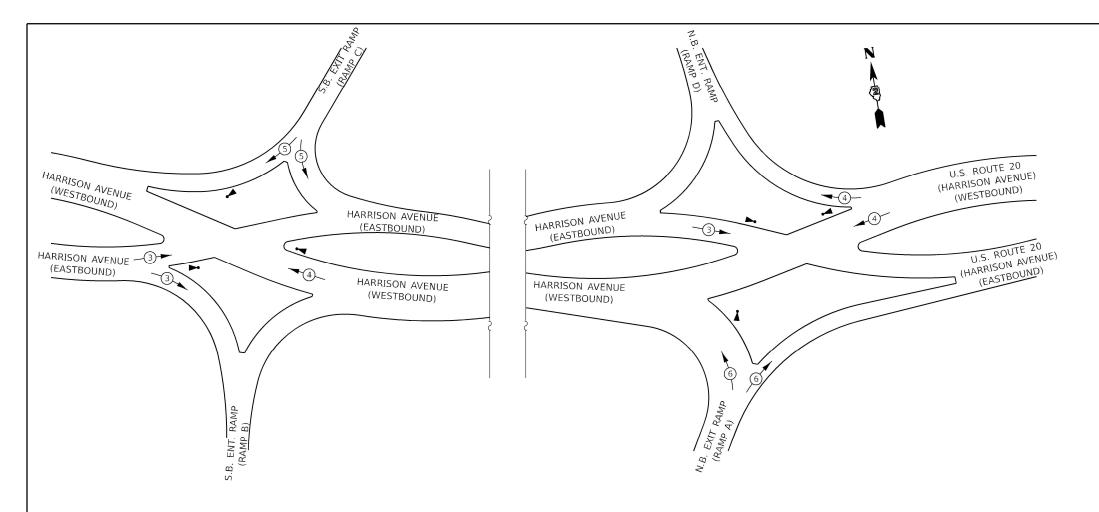
UPON PUSH-BUTTON ACTIVATION OF P3 PHASE AT S.B. EXIT RAMP CROSSING, OVERLAP "I" SHALL NOT DISPLAY GREEN UNTIL

SEQUENCE OF OPERATIONS / OVERLAP DESIGNATION

1 208 E. Main St., Suite 160 USER NAME =	rjo DESIGNEI	D - RJO	REVISED -	ı
Kaskaskia Regimeering Group, LLC	DRAWN	- RJO	REVISED -	ĺ
PROFESSIONAL REGISTRATIONS LICENSE NO. PLOT SCALE =	0.16666633 ' / in. CHECKED) - EJL	REVISED -	ĺ
Professional Engineering Group 20-5000586 PLOT DATE =	10/5/2023 DATE	- 10/13/2023	REVISED -	Ĺ

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PHASE DESIGNATION DIAGRAM	F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE	*	(5)RS & (5&5HB)RC	WINNEBAGO	1279	646
HARRISON AVENUE AND S.B. & N.B. ENT/EXIT RAMP			CONTRACT	NO. 64F	٦71
E: N/A SHEET 13 OF 21 SHEETS STA. TO STA.		ILLINOIS F	ED. AID PROJECT		



EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS											
EMERGNCY VEHICLE PREEMPTORS	3	4	5	6							
	(Ø7)	(Ø8)	(Ø9)	(Ø10)							
INTERSECTION	RAMPS RAMPS	RAMPS RAMPS	RAMPS RAMPS	RAMPS RAMPS							
	B/C A/D	B/C A/D	B/C A/D	B/C A/D							
MOVEMENT	 	-	/\ -	- \ /							

Kaskaskia
Engineering Group, LLC
Programment Heart Professional Confession (1988)
Published Depletering Group

Published Depletering Group

2015 Sept. 100 S

 USER NAME
 = r/o
 DESIGNED
 RJO
 REVISED

 PLOT SCALE
 = 0.16666633 '/ in.
 CHECKED
 EjL
 REVISED

 PLOT DATE
 = 10/5/2023
 DATE
 10/13/2023
 REVISED

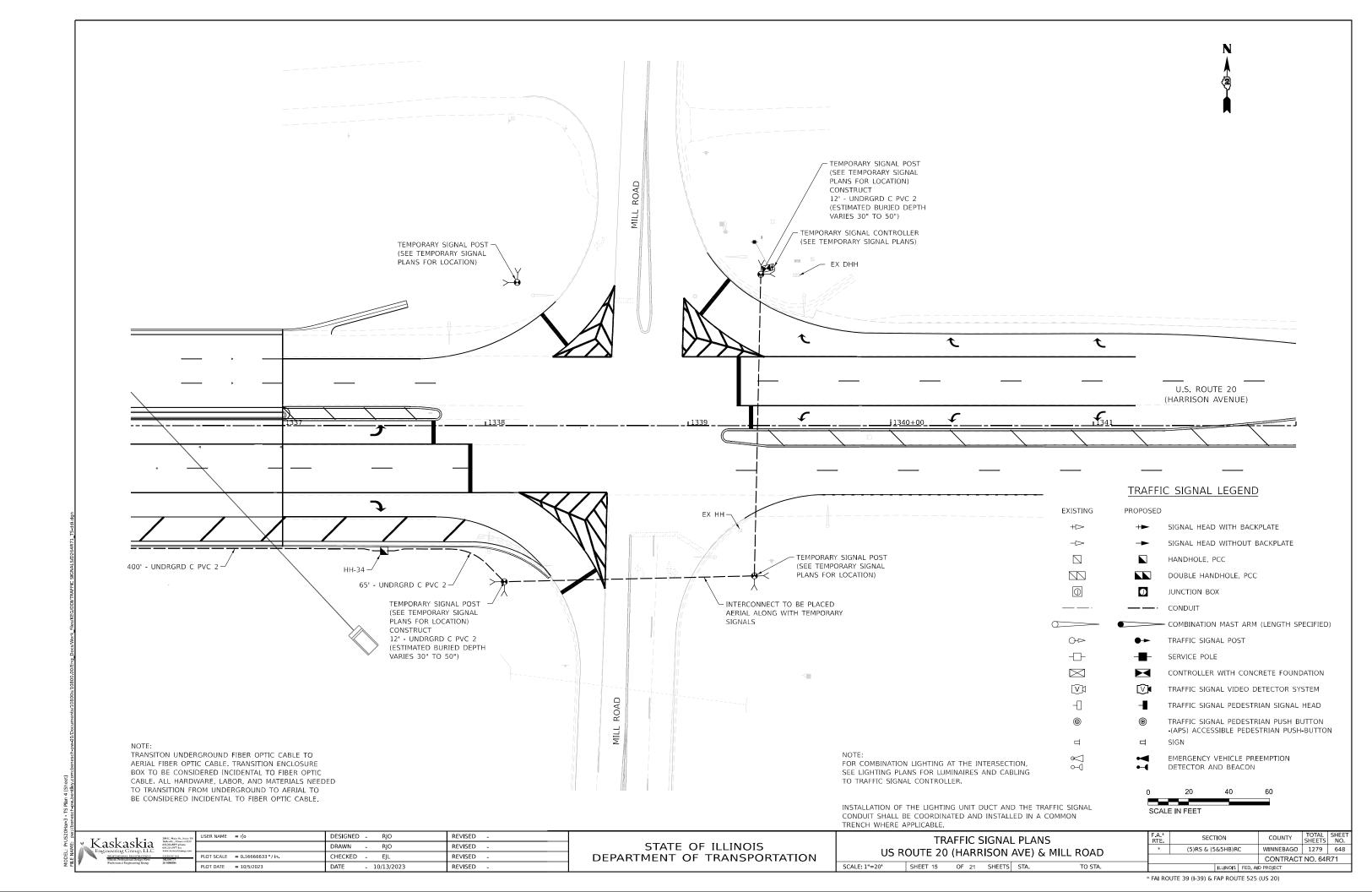
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SIGNAL PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE HARRISON AVENUE AND S.B. & N.B. ENT/EXIT RAMP

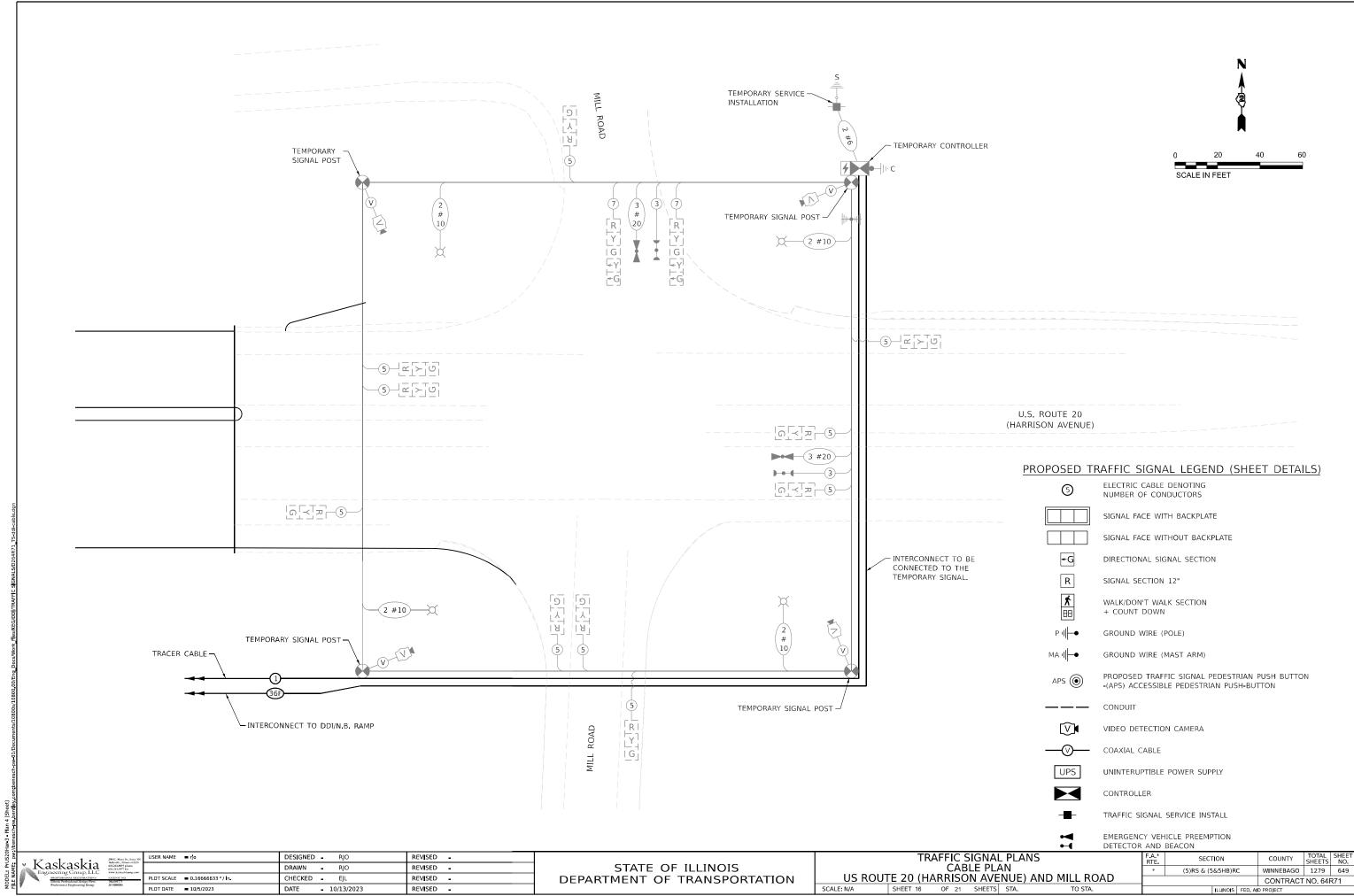
LE: N/A SHEET 14 OF 21 SHEETS STA. TO STA.

F.A.*
RTE. SECTION COUNTY TOTAL SHEETS NO.

* (5)RS & (5&5HB)RC WINNEBAGO 1279 647

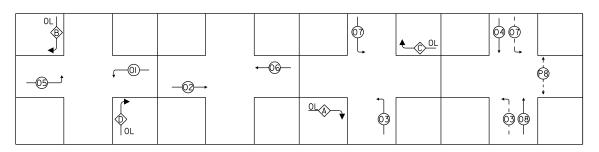
CONTRACT NO. 64R71





HARRISON AVENUE AND S. MALL DRIVE

PHASE SEQUENCE CHART



LEGEND:

SCALE: NTS

◆ PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

√
→
PEDESTRIAN PHASE

Output

Description

PEDESTRIAN

PHASE

Output

Description

PHASE

P

OL OVERLAP

SUGGESTED TIMINGS (SECONDS)

-												
ТҮРЕ	1	2	3	4	5	6	7	8	9	10	11	12
MINIMUM GREEN	3	15	3	8	3	15	3	8				
PASSAGE	3	7	3	4	3	7	3	4				
MAXIMUM I	15	60	15	50	15	60	15	50				
YELLOW CHANGE	3.5	4	3.5	4	3.5	4	3.5	4				
RED CLEARANCE	1	2	0	2	1	2	0	2				
RECALL MODE	OFF	MIN	OFF	OFF	OFF	MIN	OFF	OFF				
WALK								7				
FLASH DW								43				
ACTUATED CYCLE LENGTH = 120												

NOTES:

I. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

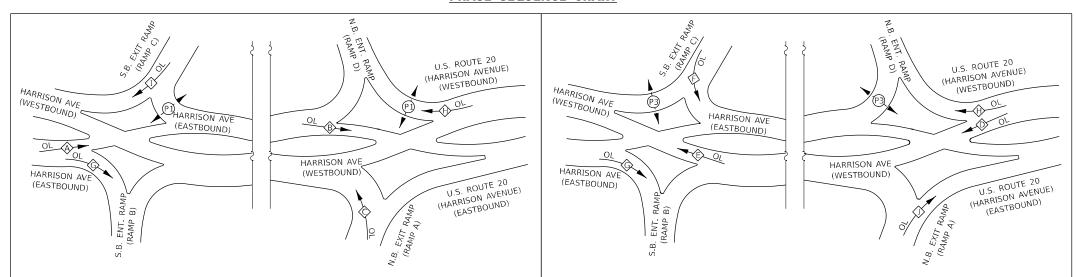
benesch
Alfred Benesch & Company
35 W. Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Joh No. 10800.00

USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED
	DRAWN - A.RODRIGUEZ	REVISED
PLOT SCALE = 0.167 / in.	CHECKED - G.THIESSE	REVISED
PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED

TRAFFIC SIGNAL PLANS	F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PHASE DESIGNATION AND SIGNAL TIMINGS	*	(5)RS & (5&5HB)RC	WINNEBAGO	1279	650
			CONTRACT	NO. 641	₹71
SHEET 17 OF 21 SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROIECT		

HARRISON AVENUE AND SB & NB ENT/EXIT RAMP

PHASE SEQUENCE CHART



LEGEND:

★PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

♦ OL OVERLAP

SUGGESTED TIMINGS (SECONDS)

ТҮРЕ	1	2	3	4	5	6	7	8	9	10	11	12
MINIMUM GREEN	15	14	15	8	16	8						
PASSAGE	7	4	7	4	4	4						
MAXIMUM I	32	14	36	15	16	15						
YELLOW CHANGE	4	4	4	4	4	4						
RED CLEARANCE	8	4	6	4	4	4						
RECALL MODE	MIN	OFF	MIN	OFF	OFF	OFF						
WALK	7	7	7		7							
FLASH DW	8	6.5	6.5		9							
ACTUATED CYCLE LENGTH = 90		_					_		_			

NOTES:

I. CONTRACTOR TO VERIFY AND OPTIMIZE SIGNAL TIMINGS PER FIELD CONDITIONS.

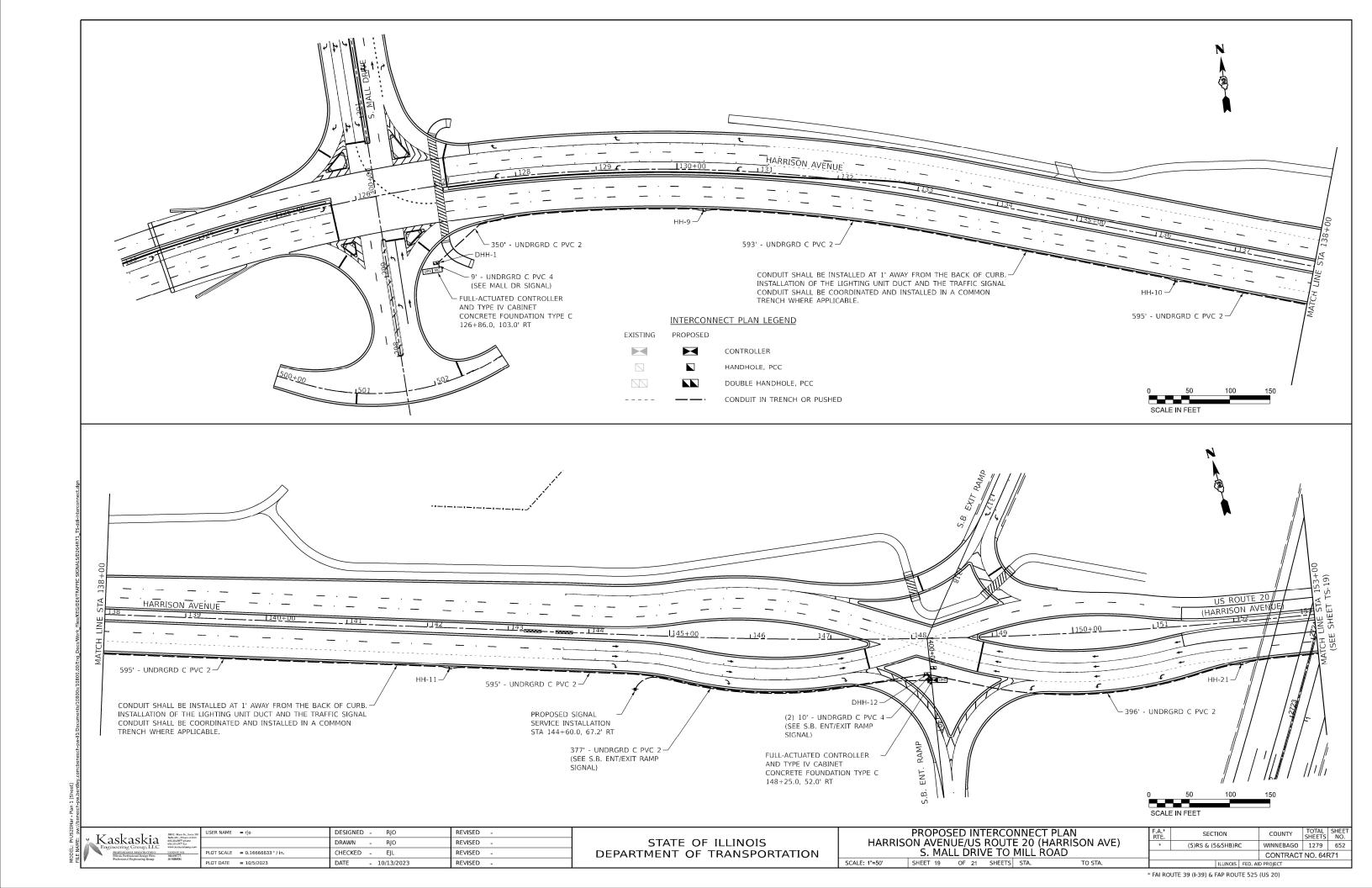


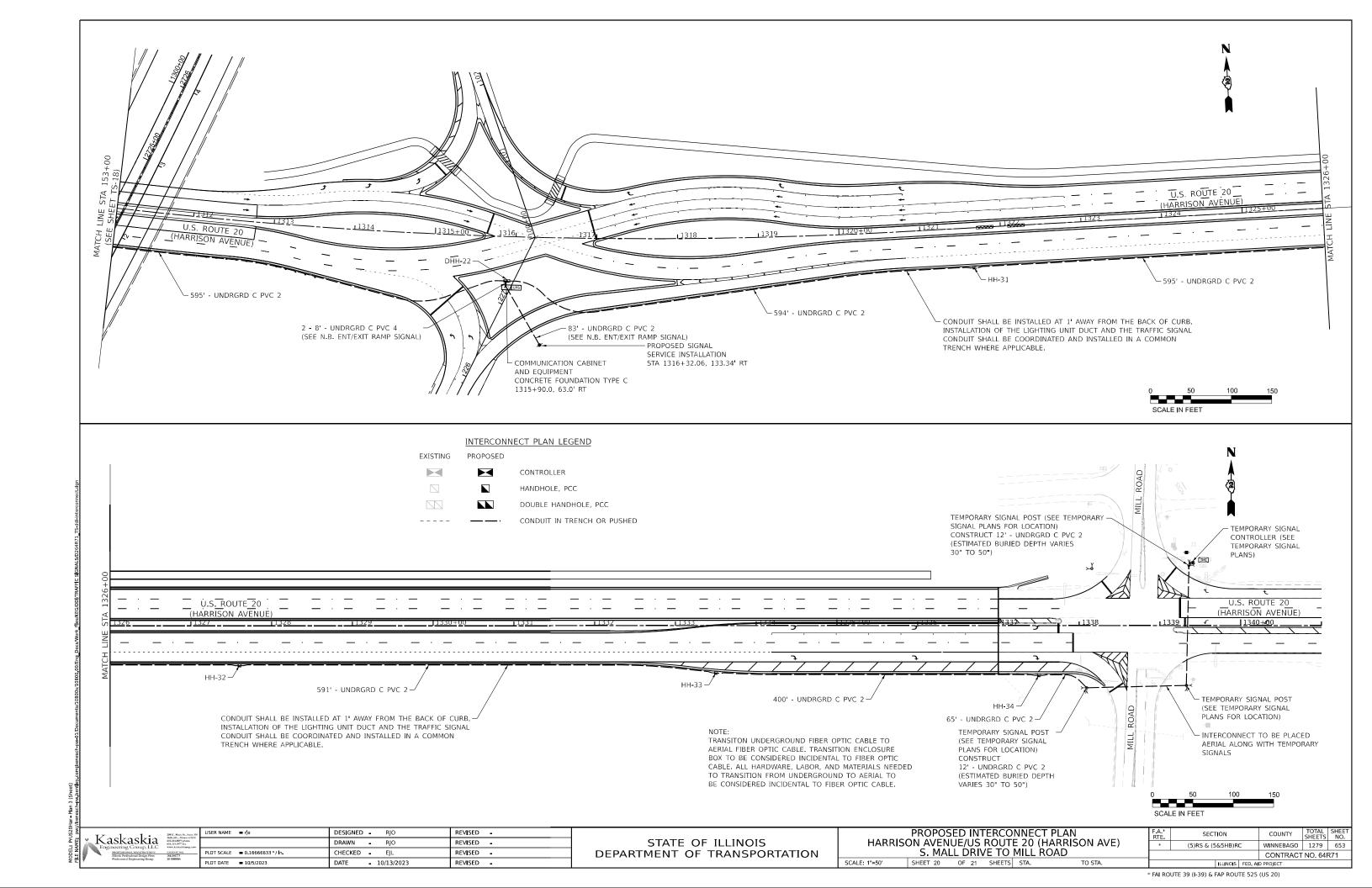
USER NAME = gthiesse	DESIGNED - A.RODRIGUEZ	REVISED
	DRAWN - A.RODRIGUEZ	REVISED
PLOT SCALE = 0.167 / in.	CHECKED - G.THIESSE	REVISED
PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NTS

P	HASE I					PLANS SIGNAI	. TIMINGS	F.A.* RTE. *	SECTION (5)RS & (5&5HB)RC		COUNTY WINNEBAGO CONTRACT	TOTAL SHEETS 1279 NO 64F	SHEET NO. 651
	SHEET	18	OF	21	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			PROJECT		





SCHEDULE OF HANDHOLE QUANTITIES

REF.	LOCATION	TYPE	STATION	OFFSET
US ROUTE 20 (HARRISON .	AVENUE) INTERCONNECT		•	
DHH-1	SOUTHEAST QUANDRANT	DBL HANDHOLE	126+86.00	94.50' RT
HH-9	SOUTH SIDE - HARRISON	HANDHOLE	130+35.00	49.58' RT
HH-10	SOUTH SIDE - HARRISON	HANDHOLE	136+35.00	49.58' RT
HH-11	SOUTH SIDE - HARRISON	HANDHOLE	142+30.00	49.58' RT
DHH-12	SOUTHWEST QUANDRANT	DBL HANDHOLE	148+18.43	44.51' RT
HH-21	SOUTH SIDE - HARRISON	HANDHOLE	152+05.00	52.20' RT
DHH-22	SOUTHWEST QUANDRANT	DBL HANDHOLE	1315+90.00	55.00' RT
HH-31	SOUTH SIDE - US RTE 20	HANDHOLE	1321+65.00	49.58' RT
HH-32	SOUTH SIDE - US RTE 20	HANDHOLE	1327+60.00	49.58' RT
HH-33	SOUTH SIDE - US RTE 20	HANDHOLE	1333+50.00	58.72' RT
HH-34	SOUTH SIDE - US RTE 20	HANDHOLE	1337+50.00	61.75' RT
·				

SCHEDULE OF QUANTITIES

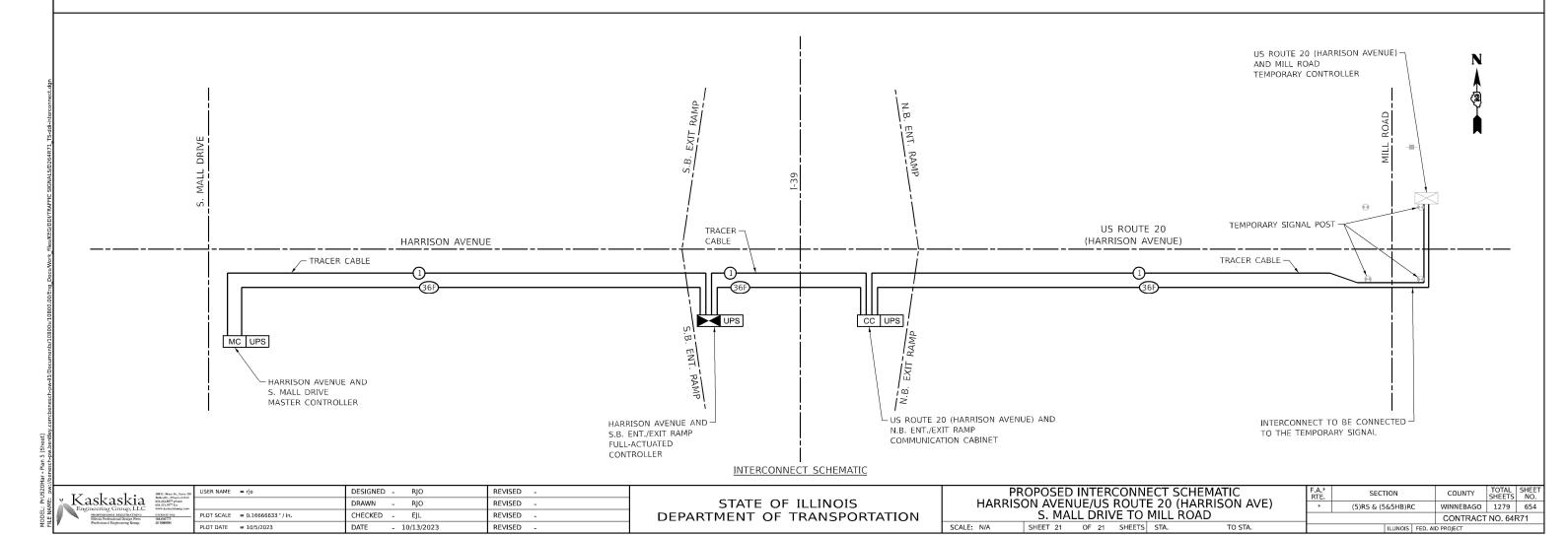
CODE NO.	ITEM DESCRIPTION	UNIT	QUANTITY
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	5,393
81400100	HANDHOLE	EACH	8
81400300	DOUBLE HANDHOLE	EACH	1
86400100	TRANSCEIVER - FIBER OPTIC	EACH	4
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	5,706
X8710031	FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	5,894
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

- NOTE:

 1. TWO DOUBLE HANDHOLES INCLUDED IN SIGNAL PLANS.

 2. UNDERGROUND CONDUIT, PVC, 4" DIA. INCLUDED IN SIGNAL PLANS (FROM CONTROLLER TO DHH)

 3. QUANTITIES SHOWN ABOVE ARE INCLUDED IN THE SIGNAL OVERALL QUANTITIES.



ESTIMATED PROJECT LIGHTING QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	TOTAL
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	1,189
81603000	UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	2,475
81603037	UNIT DUCT, 600V, 2-1/C NO.6 AND 1/C NO.6 GROUND,(XLP-TYPE USE), 11/4"DIA POLYETHYLENE	FOOT	99
81603096	UNIT DUCT, 600V, 4-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 11/4" DIA. POLYETHYLENE	FOOT	14,980
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1,590
81800230	AERIAL CABLE, 2-1/C NO.6 WITH MESSENGER WIRE	FOOT	2,521
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	93
82500380	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP	EACH	1
83003500	LIGHT POLE, ALUMINIUM, 45FT. M.H., 12FT. DAVIT ARM	EACH	80
83057295	LIGHT POLE, WOOD, 50 FOOT, CLASS 4 WITH 15FT. MAST ARM	EACH	4
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8"x6'	EACH	80
83800506	BREAKAWAY DEVICE, COUPLING WITH ALUMINIUM SKIRT OVER STAINLESS STEEL SCREEN	EACH	320
84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	18
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	5
84200605	REMOVAL OF LIGHTING TOWER, NO SALVAGE	EACH	4
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
X0325815	REMOVE EXISTING CABLE	FOOT	5,866
X0327236	TEMPORARY WOOD POLE, 50FT., CLASS 4	EACH	14
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	4
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	15

LIGHTING LEGEND

PROPOSED LIGHTING CONTROLLER (SIZE AS NOTED)



EXISTING LIGHTING CONTROLLER (SIZE AS NOTED)



PROPOSED LED STREET LIGHT, 45FT. M.H., 12FT. DAVIT ARM WITH METAL HELIX FOUNDATION (STAGE TO BE INSTALLED IN PARANTHESES).



EXISTING LIGHTING UNIT



EXISTING LIGHT TOWER (SYMBOLS VARY DEPENDING ON NO. OF LIGHTS. REFER PLANS)



EXISTING LIGHTING UNIT TO BE REMOVED



EXISTING LIGHT TOWER TO BE REMOVED



EXISTING POWER POLE



TEMPORARY LIGHTING WOOD POLE WITH LIGHT FIXTURE UNLESS OTHERWISE NOTED



PROPOSED UNIT DUCT, SIZE AND TYPE AS INDICATED

UNDERGROUND LIGHTING CABLE WITHIN TRAFFIC CONDUIT
(SEE TRAFFIC PLANS FOR CONDUIT SIZE AND ROUTING)



PROPOSED AERIAL CABLE FOR TEMPORARY LIGHTING



EXISTING UNIT DUCT TO BE ABANDONED

EXISTING UNIT DUCT, ABANDONED IN PREVIOUS STAGES

SCALE: N/A



TEMPORARY WOOD POLE, 50 FT., CLASS 4



EXISTING CONDUIT / CABLE (LEGEND APPLICABLE ONLY ON REMOVAL PLANS)



AERIAL CABLE INSTALLED FOR TEMPORARY LIGHTING (PREVIOUS STAGES)



TEMPORARY WOOD POLE, 50 FT., CLASS 4 INSTALLED IN PREVIOUS STAGES



WORK ZONE (APPLICABLE ONLY ON TEMPORARY LIGHTING SHEETS)

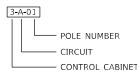


COMPLETED CONSTRUCTION (APPLICABLE ONLY ON TEMPORARY LIGHTING SHEETS)

CONDUIT / CABLE DESCRIPTION

- UNIT DUCT, 600V, 4-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1½" DIA. POLYETHYLENE
- B) UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), $\frac{3}{4}$ " DIA. POLYETHYLENE
- ELECTRICAL CABLE IN TRAFFIC SIGNAL CONDUIT, 600V (XLPE-TYPE USE) 3-1/C NO.8
- D UNDERGROUND CONDUIT, PVC, 3" DIA. (CASING FOR UNIT DUCT)
 - UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), $1^{1}\!/_{\!\!4}$ " DIA. POLYETHYLENE

LIGHT POLE DESIGNATION



GENERAL NOTES

- 1. ALL CONDUIT CASINGS FOR CROSSING ROADWAYS SHALL BE 3" PVC SCHEDULE 80, UNLESS OTHERWISE NOTED.
- 2. IN NO INSTANCE SHALL THE CONTRACTOR INSTALL A LIGHT POLE AND / OR LIGHTING CONTROLLER WITHIN 5FT. OF BACK OF GUARDRAIL POST.
- 3. THE GROUND CONDUCTOR SHALL HAVE NO SPLICE OR KINKS BELOW GRADE. IT SHALL BE SOLIDLY CONNECTED TO THE GROUNDING LUG OF EACH POLE, JUNCTION BOX, AND TO THE GROUND ROD AT THE SERVICE INSTALLATION. IN AREAS WHERE MULTIPLE CIRCUIT CONDUCTORS SHARE A COMMON CONDUIT, A COMMON EQUIPMENT GROUND SHALL BE UTILIZED.
- 4. EXISTING AND/OR TEMPORARY LIGHTING UNITS SHALL NOT BE REMOVED UNTIL NEW LIGHTING SYSTEM IS COMPLETELY INSTALLED AND FULLY OPERATIONAL BASED ON STAGING AND TO THE SATISFACTION OF THE ENGINEER.

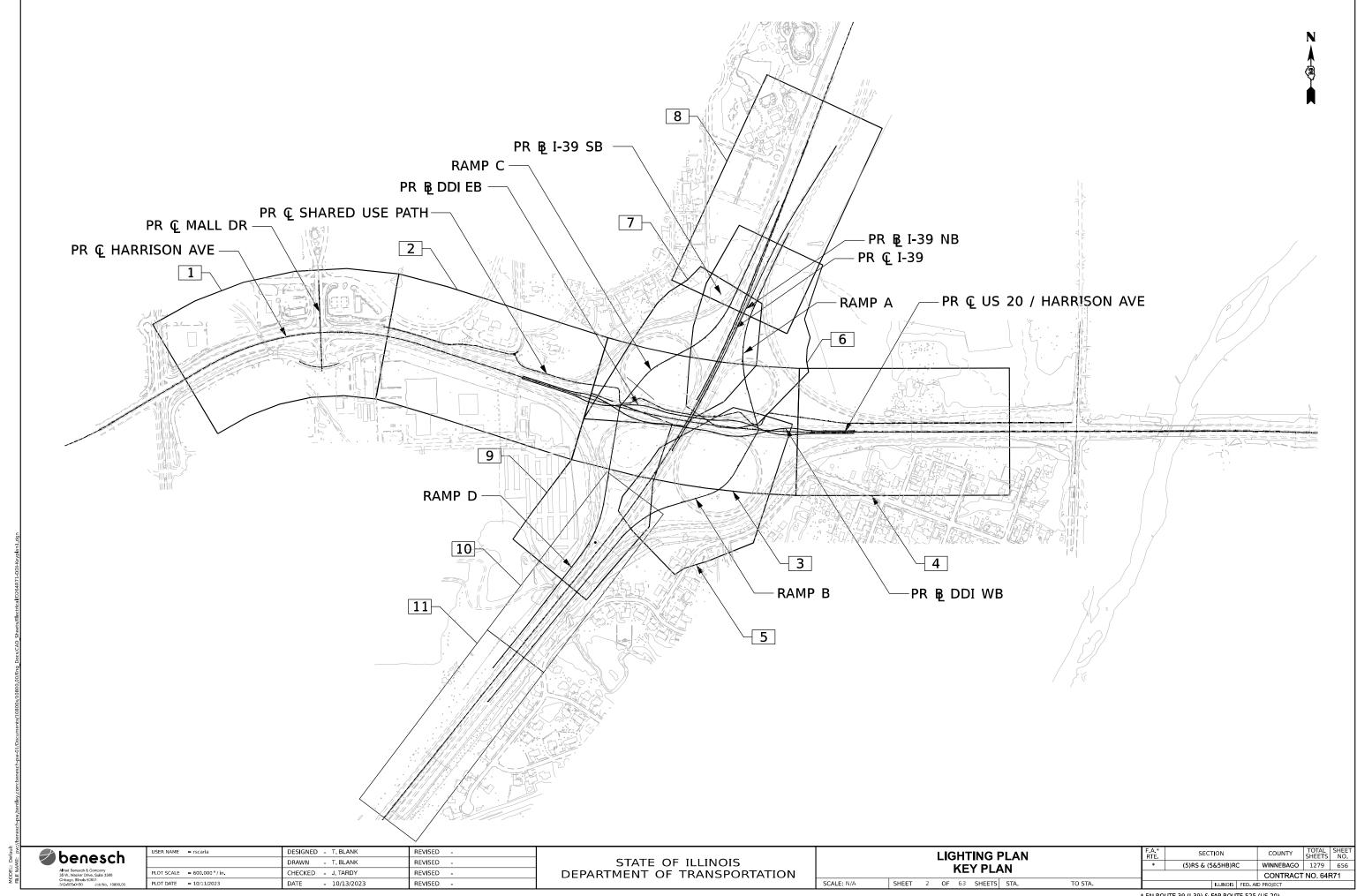
- 5. TEMPORARY WOOD POLES SHALL BE 50' POLES AND CLASS 4 OR BETTER.
- 6. ELECTRICAL EQUIPMENT, RACEWAY, ETC. ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL INSTALL ELECTRICAL EQUIPMENT, RACEWAYS, ETC. WHERE DIRECTED BY THE ENGINEER IN ORDER TO BEST SUIT JOB CONDITIONS.
- 7. ALL REPLACEMENT AND TEMPORARY WIRING SHALL BE AS PER DESIGN PLANS OR AS APPROVED BY THE ENGINEER.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING STATE OWNED LIGHTING AND / OR TRAFFIC SIGNAL UTILITIES WITHIN THE LIMITS OF THE CONTRACT.
- 9. NO POLES SHALL BE INSTALLED IN THE FLOWLINE OF A DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.

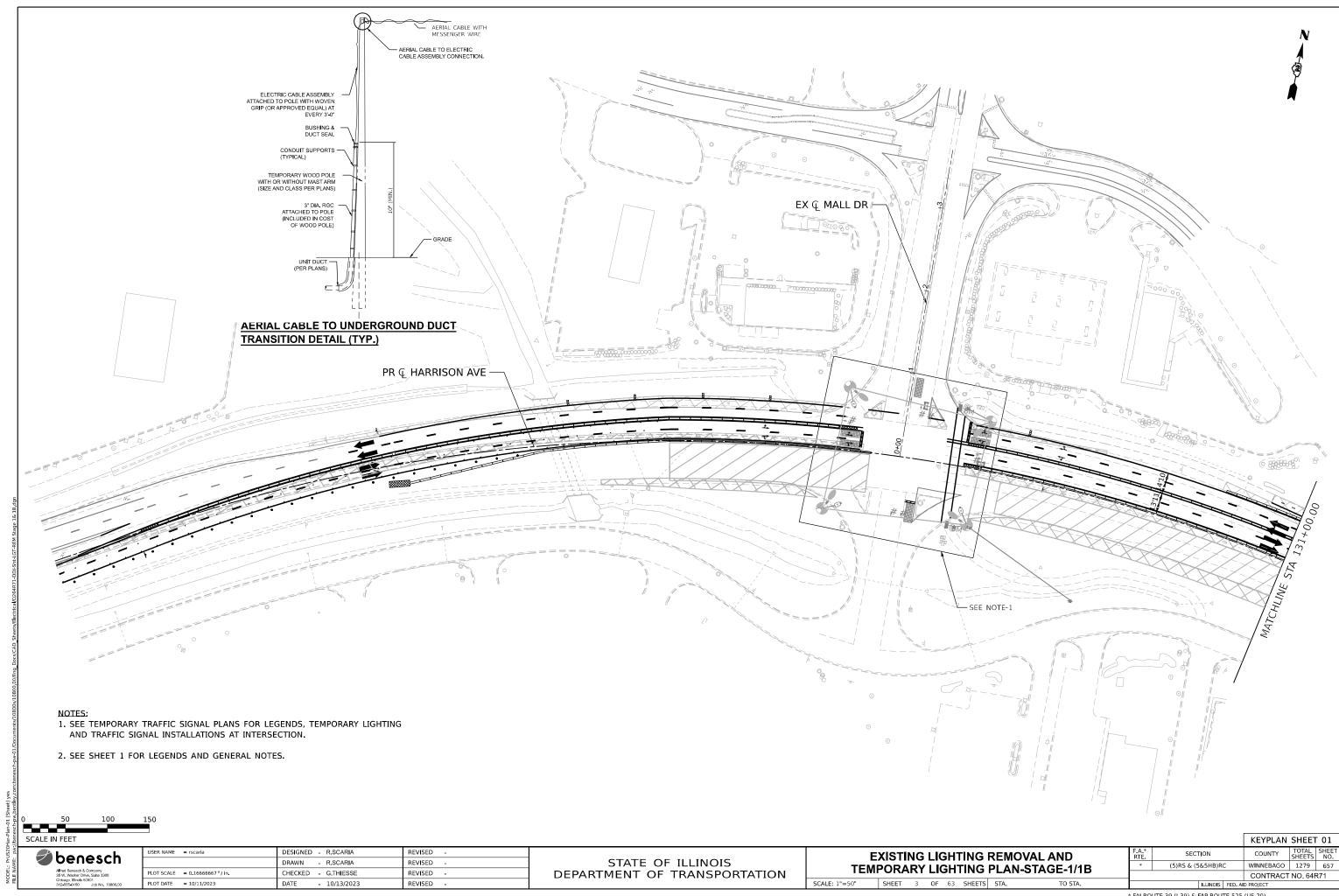
- 10. SEE SHEET 3 OF THE PLANS FOR A LIST OF APPLICABLE HIGHWAY STANDARDS.
- 11. UNIT DUCTS INSTALLED FOR TEMPORARY LIGHTING SHALL BE ABANDONED AFTER ASSOCIATED LIGHTS AND CABLES ARE REMOVED AT RELEVANT STAGES.
- 12. WOOD POLES SHALL BE LOCATED TO AVOID BURIED UTILITIES. LOCATIONS OF BURIED UTILITIES ARE BASED ON RECORDS. CONTRACTOR SHALL FIELD VERIFY FINAL LOCATION OF EACH POLE.
- 13. BREAKAWAY DEVICES SHALL BE PROVIDED FOR ALL UNSHIELDED GROUND MOUNTED LIGHT POLES.
- 14. FINAL DECISION ON PROPOSED LIGHTING INSTALLATION AT EACH STAGE SHALL BE TAKEN BY CONTRACTOR BASED ON SITE CONDITION

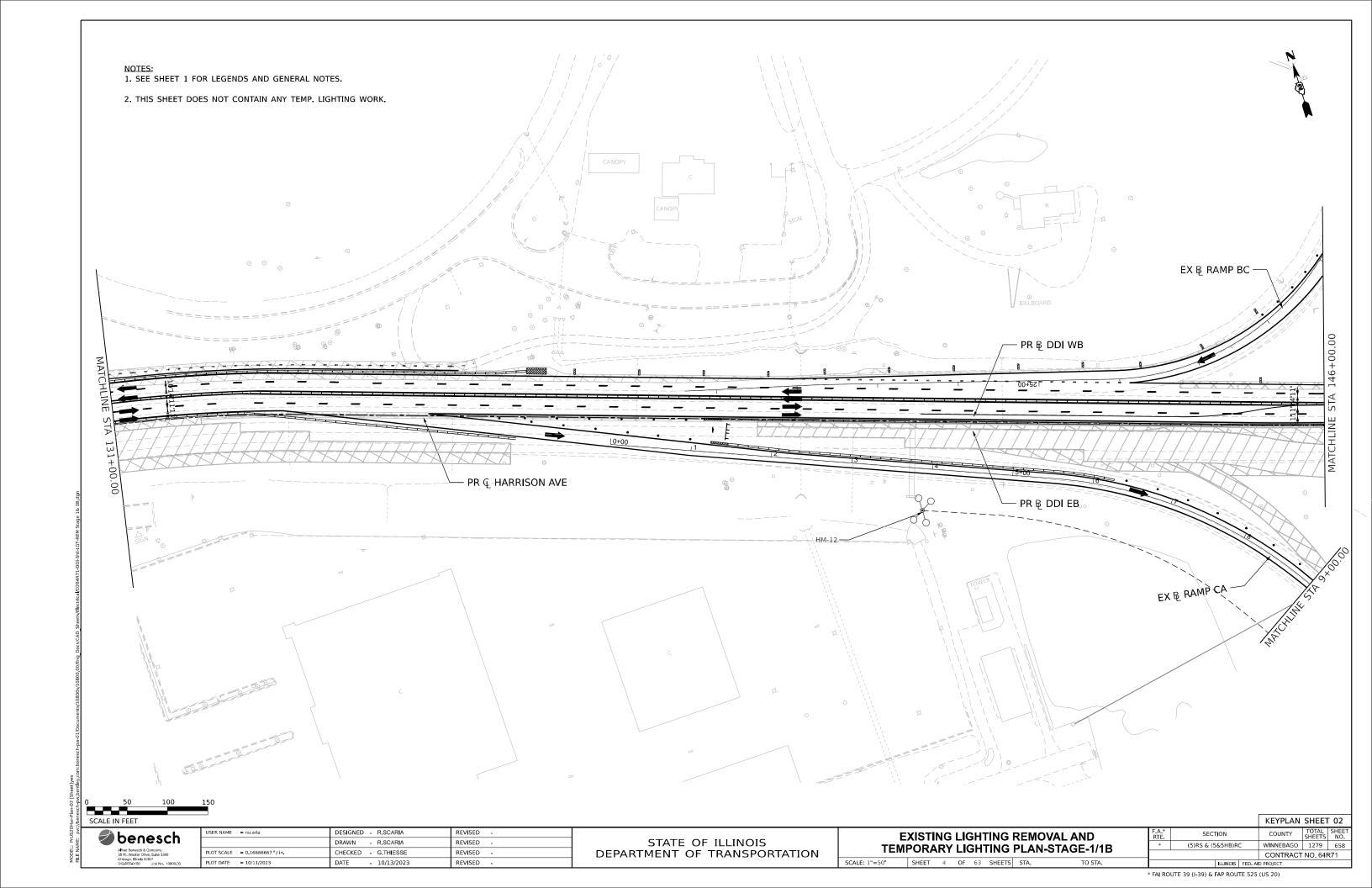
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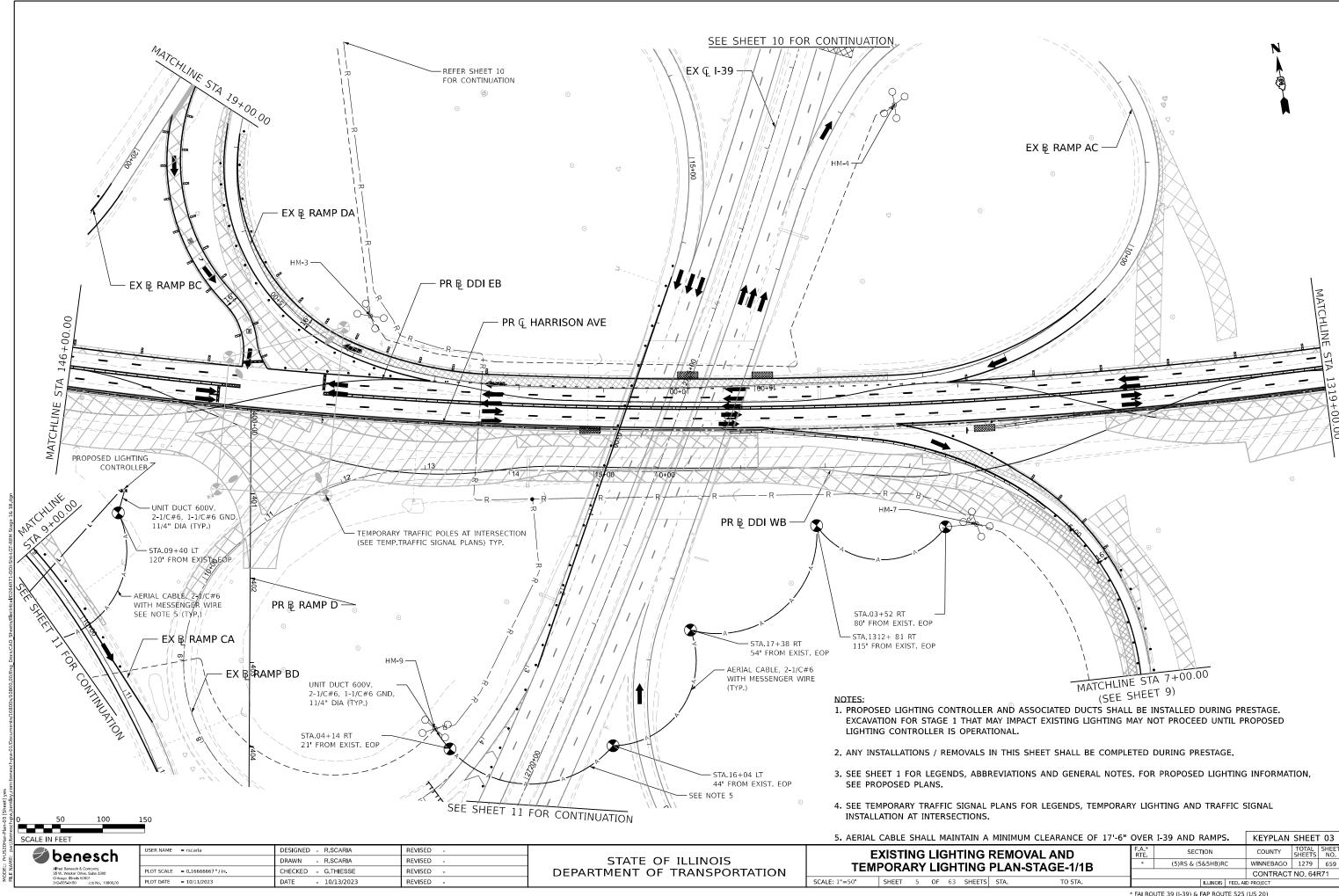
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

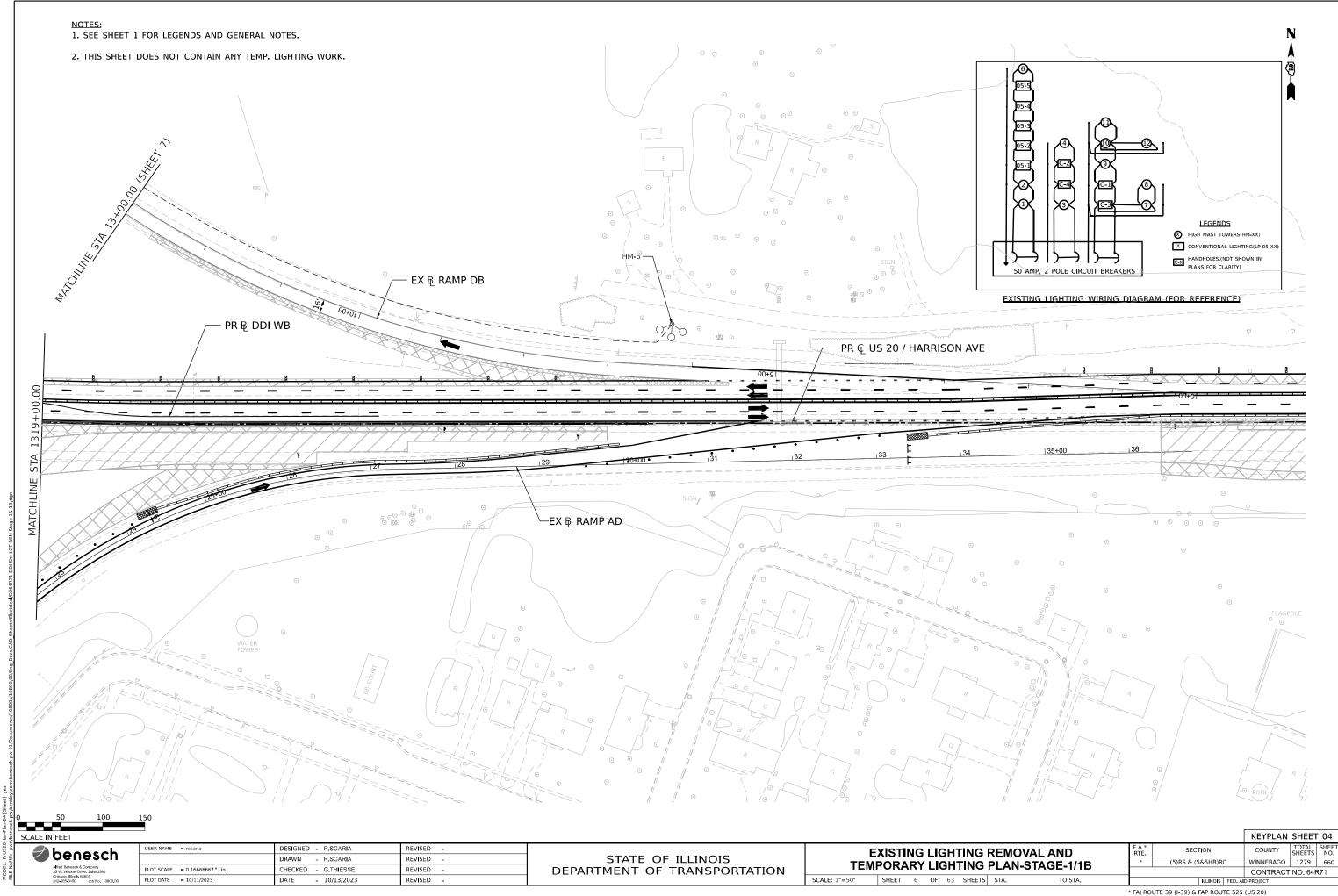
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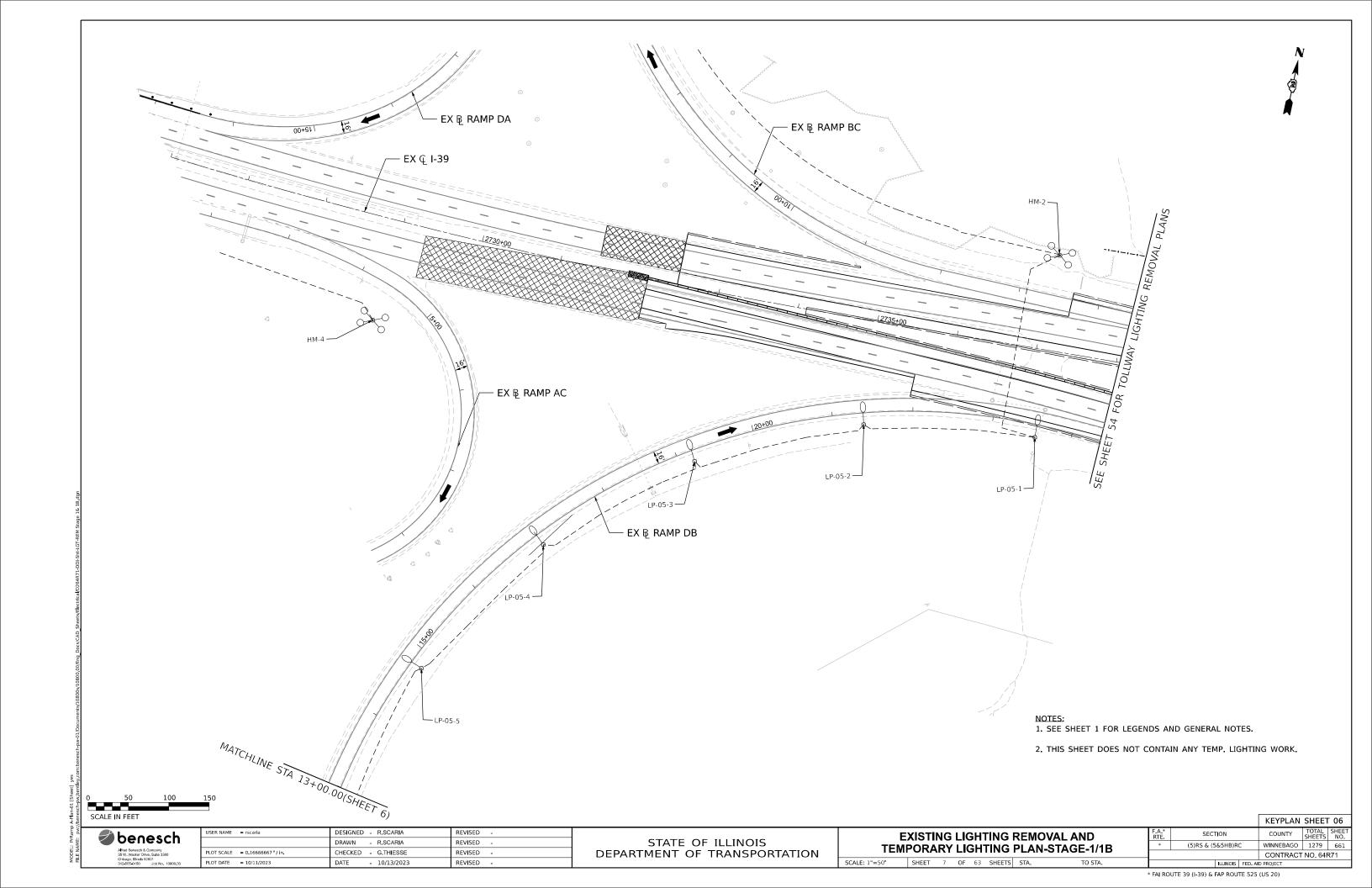


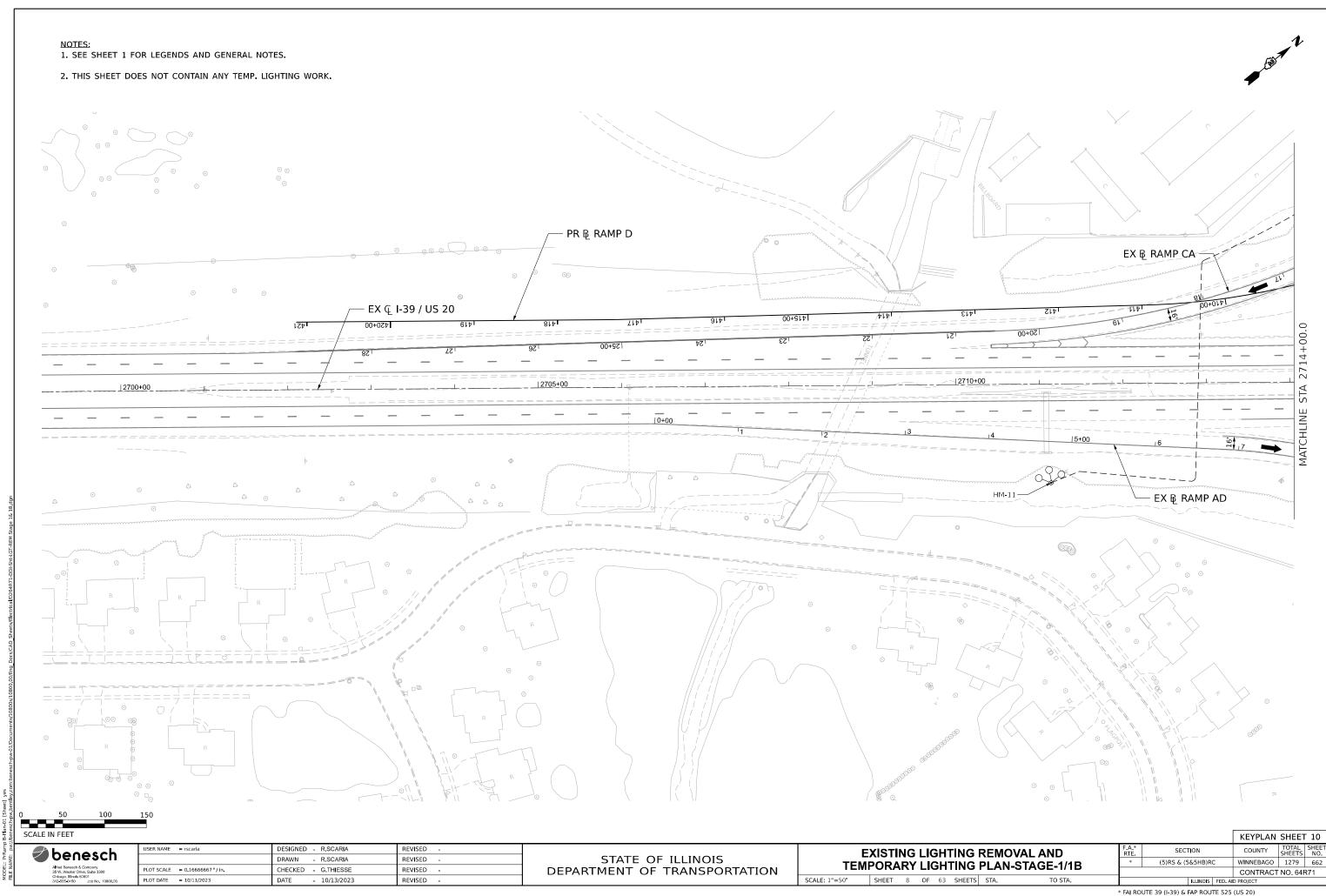


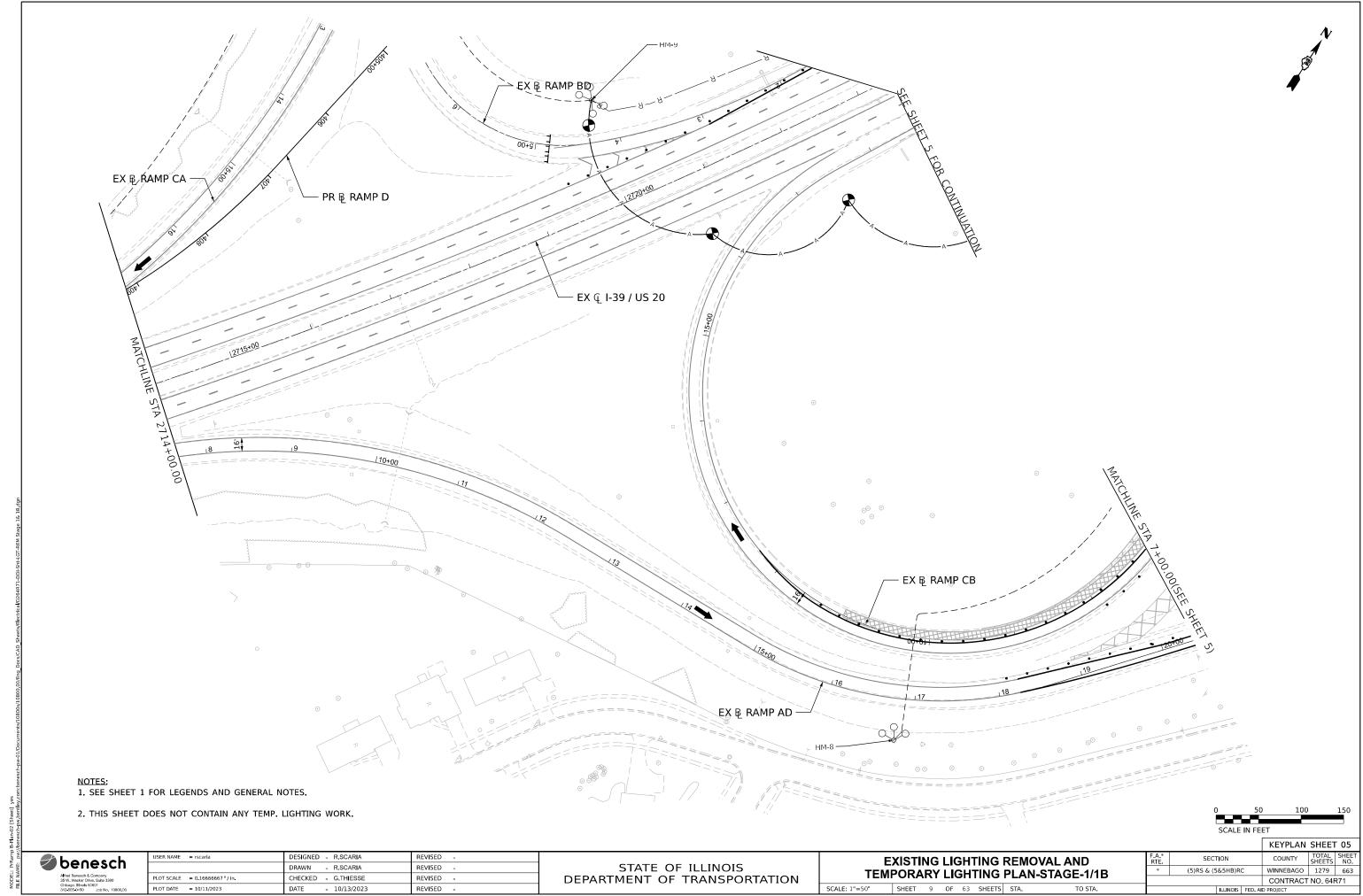


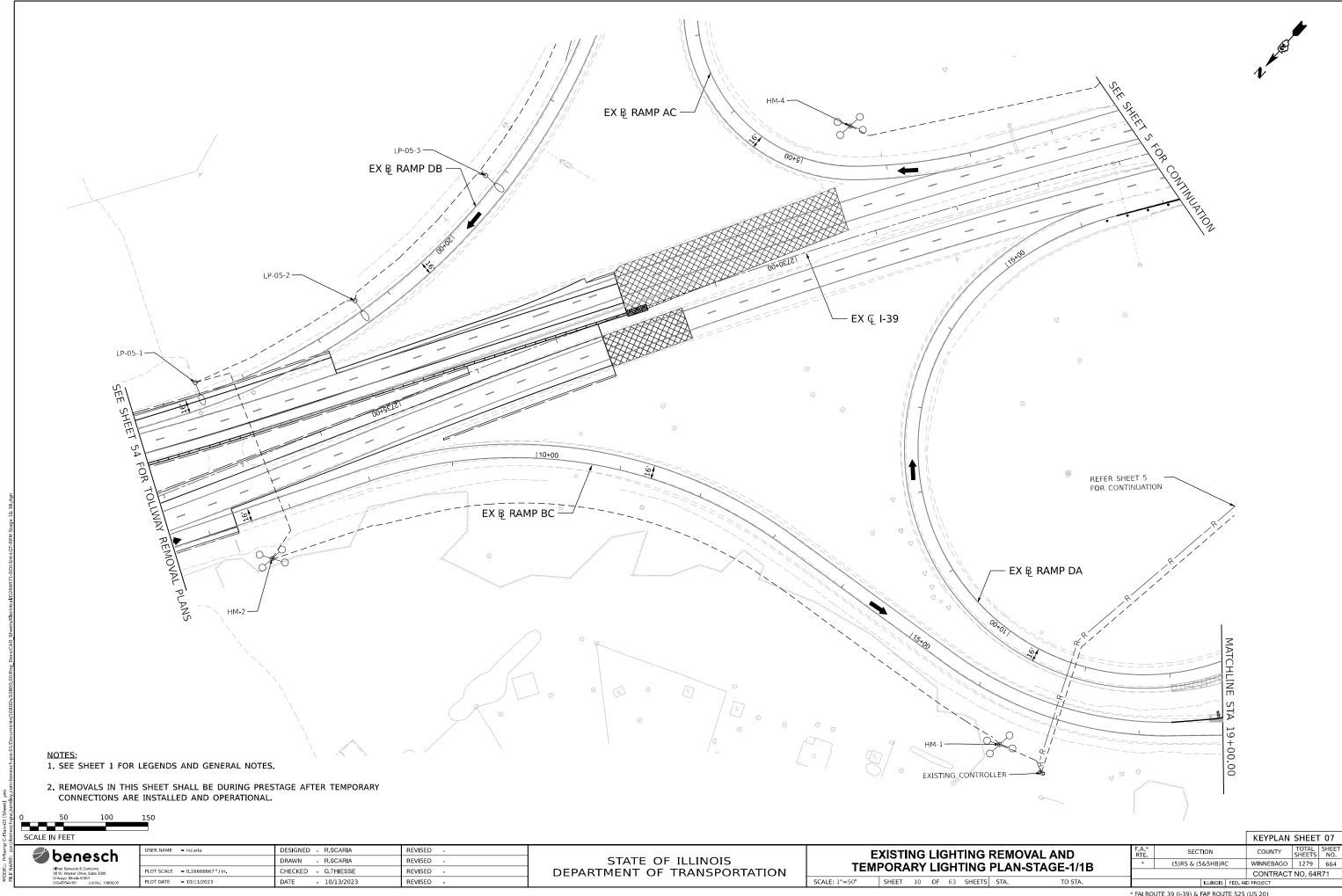


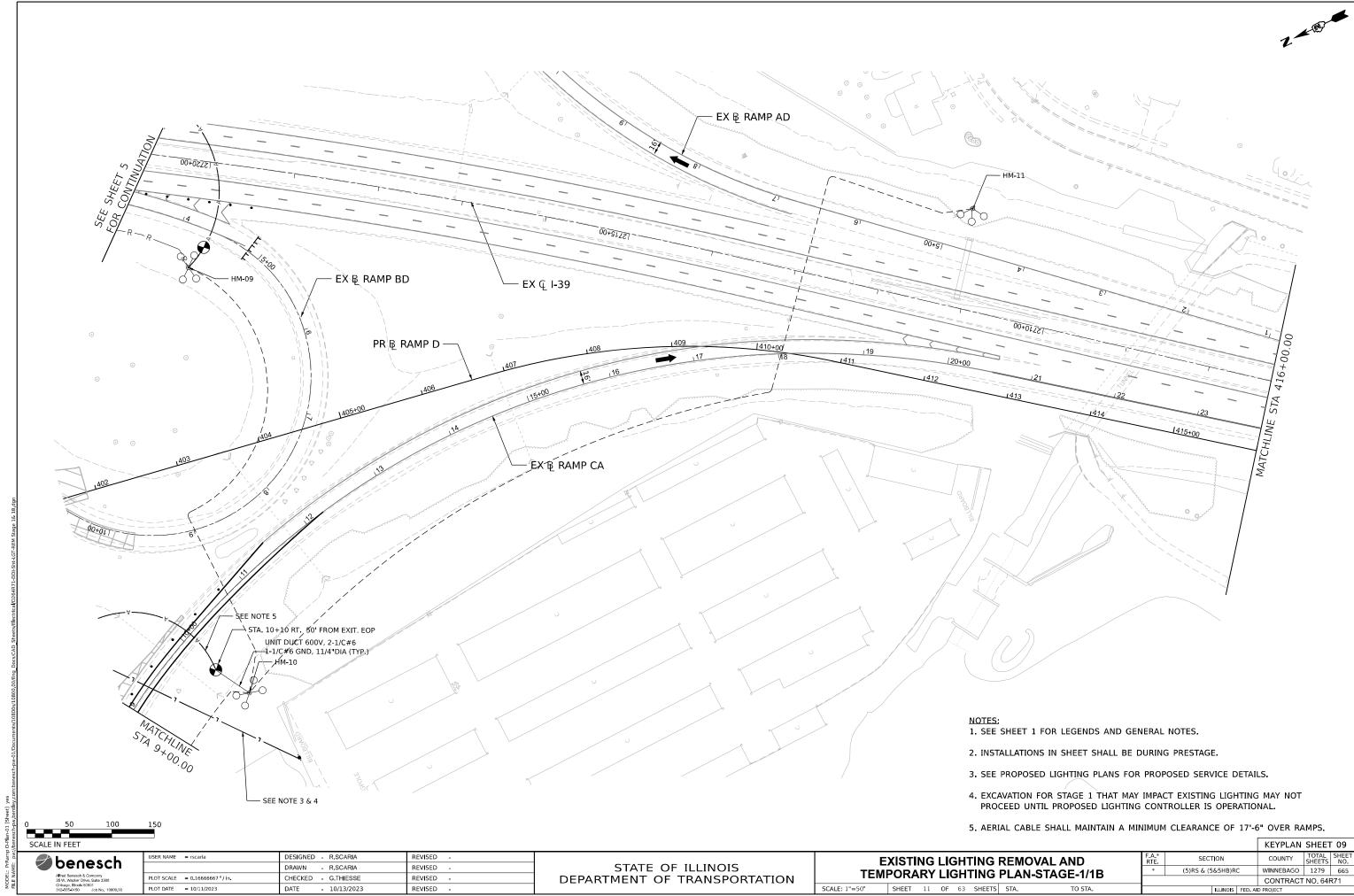


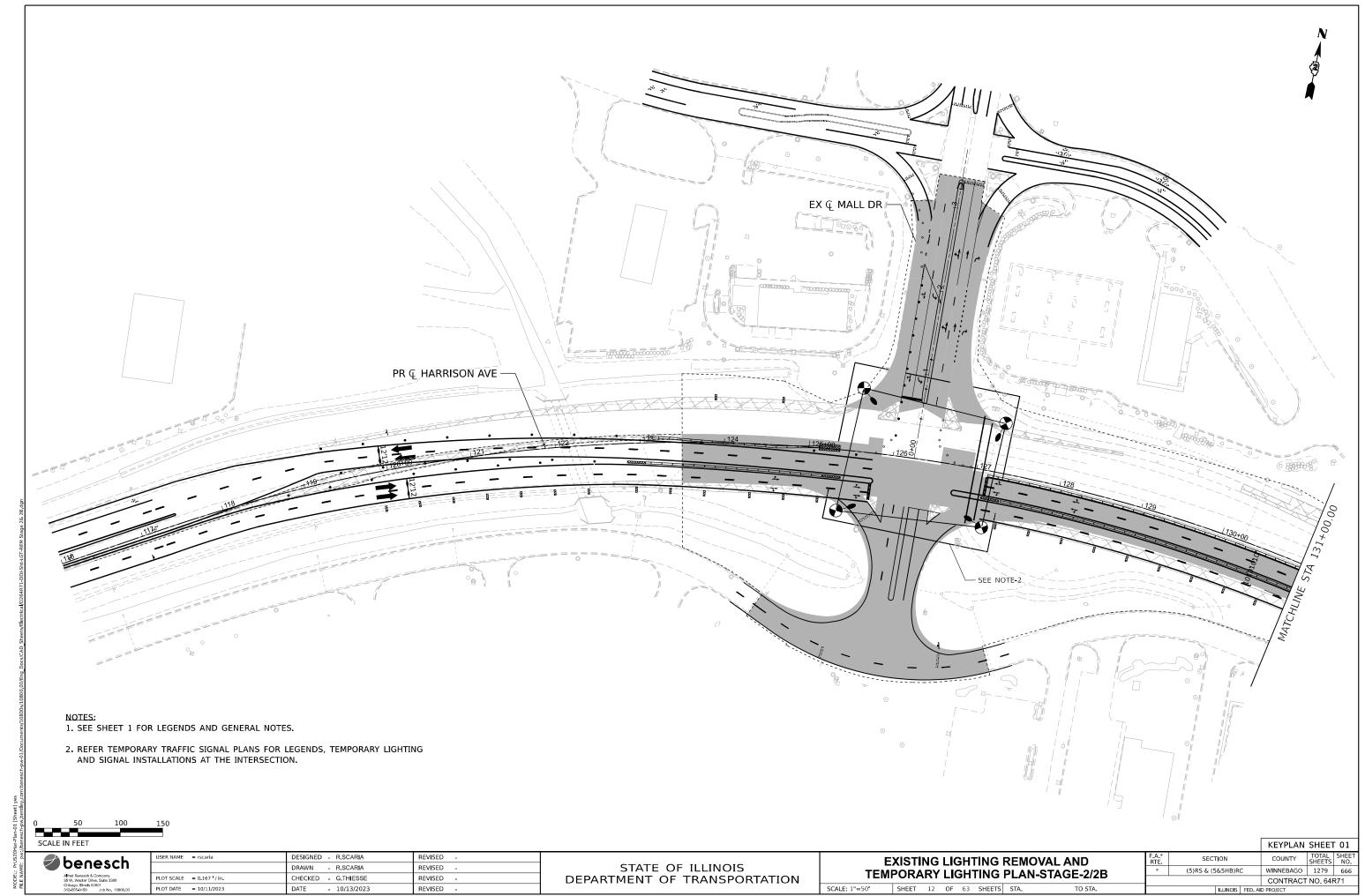


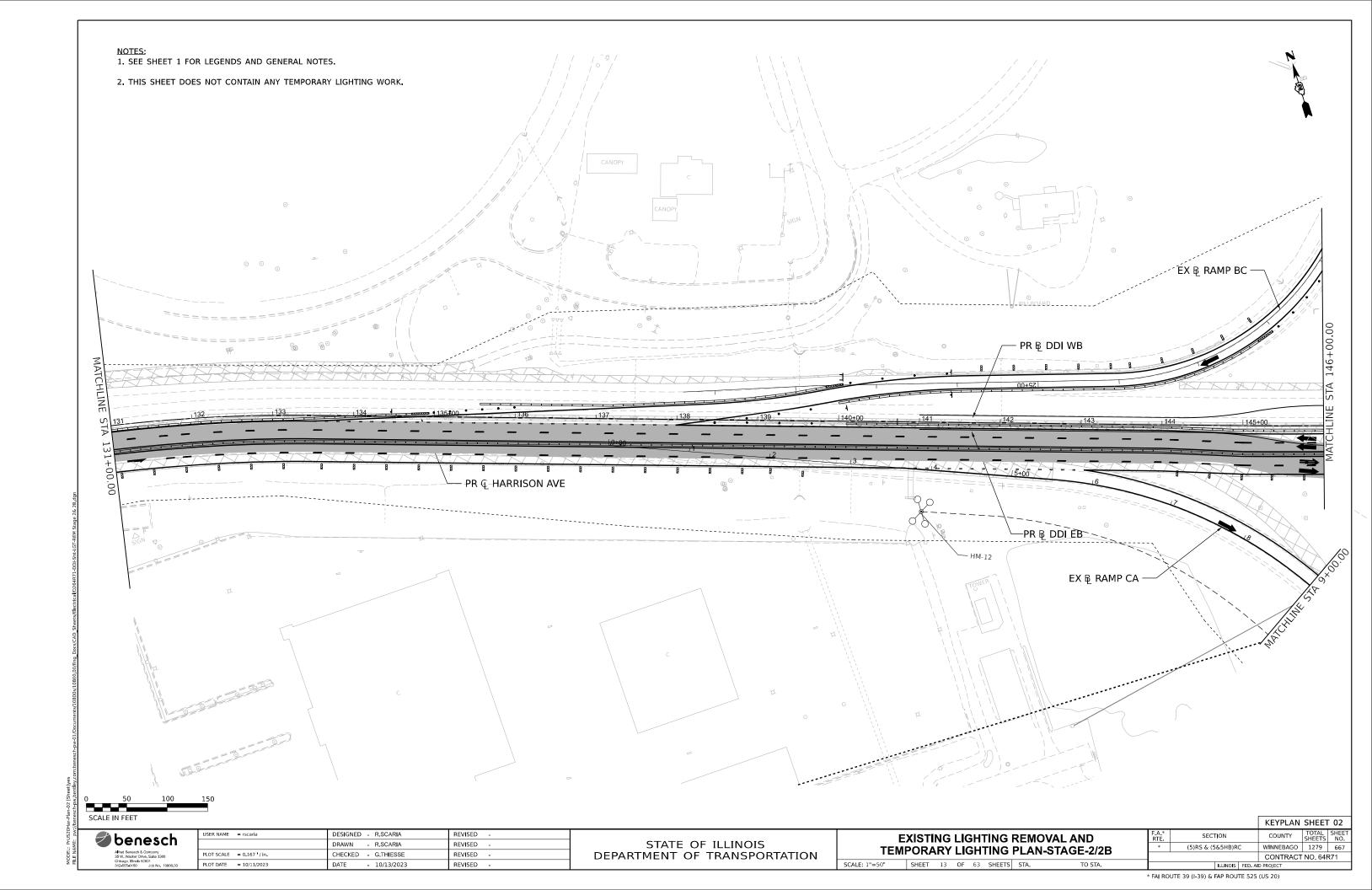


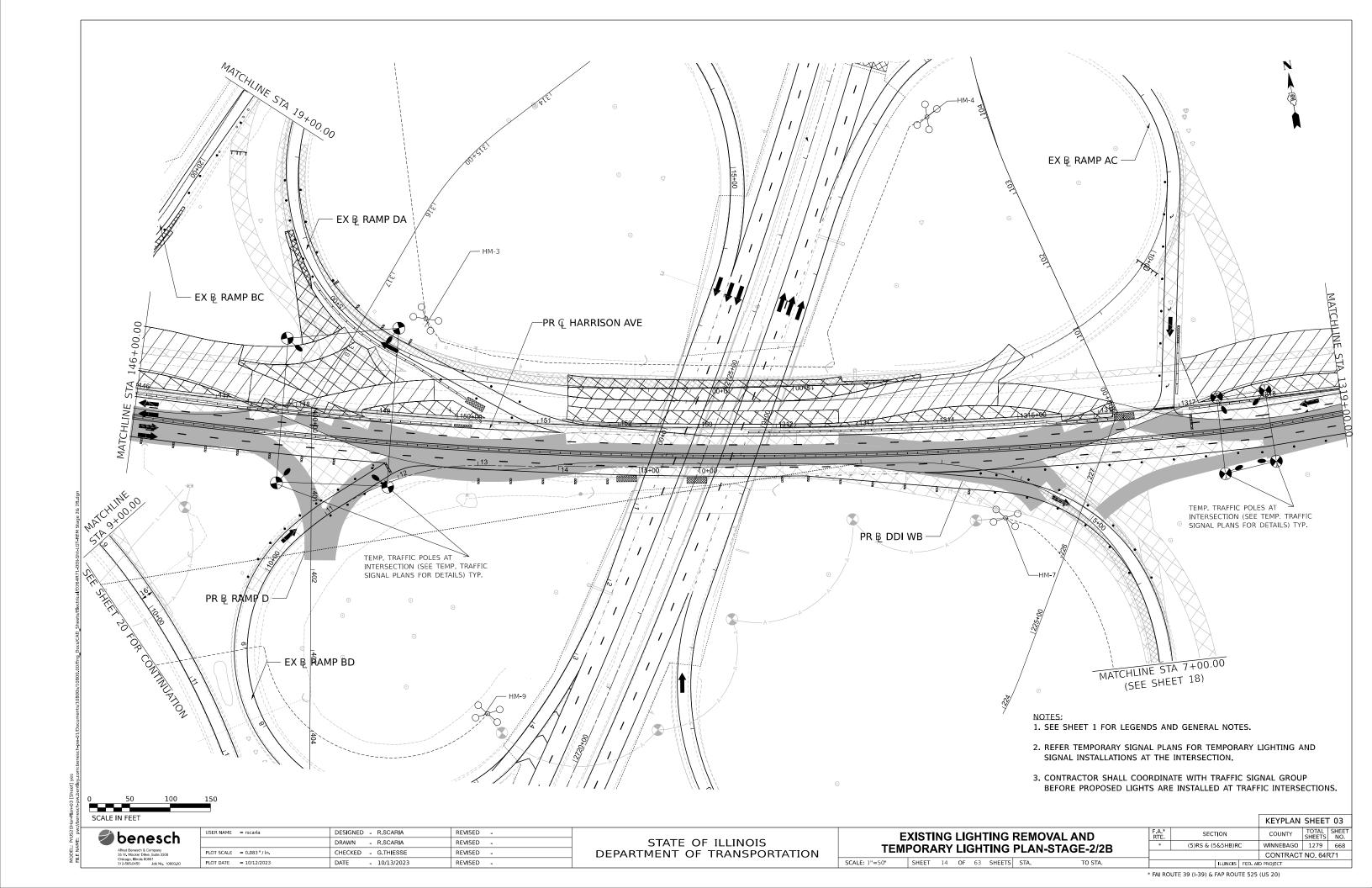


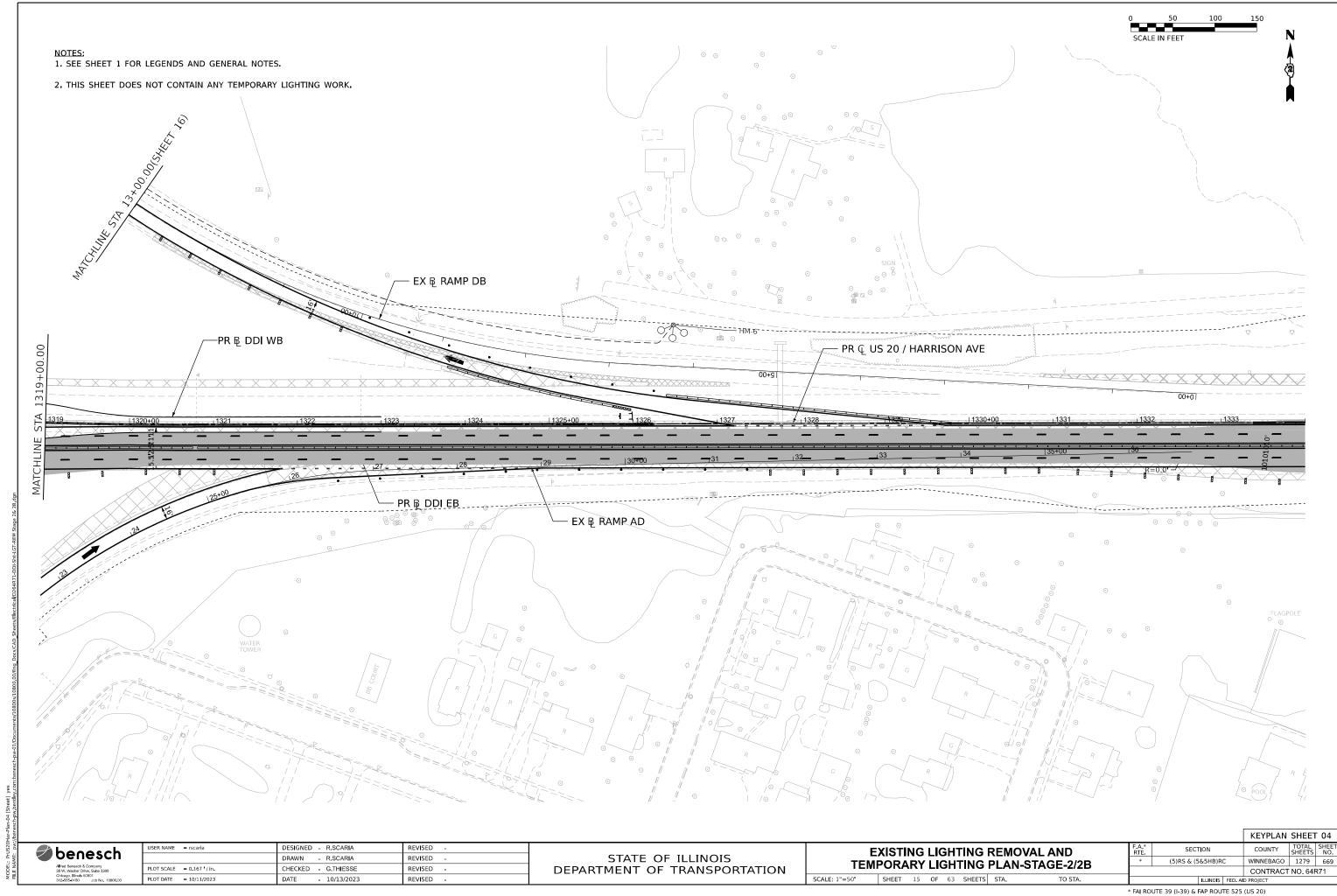


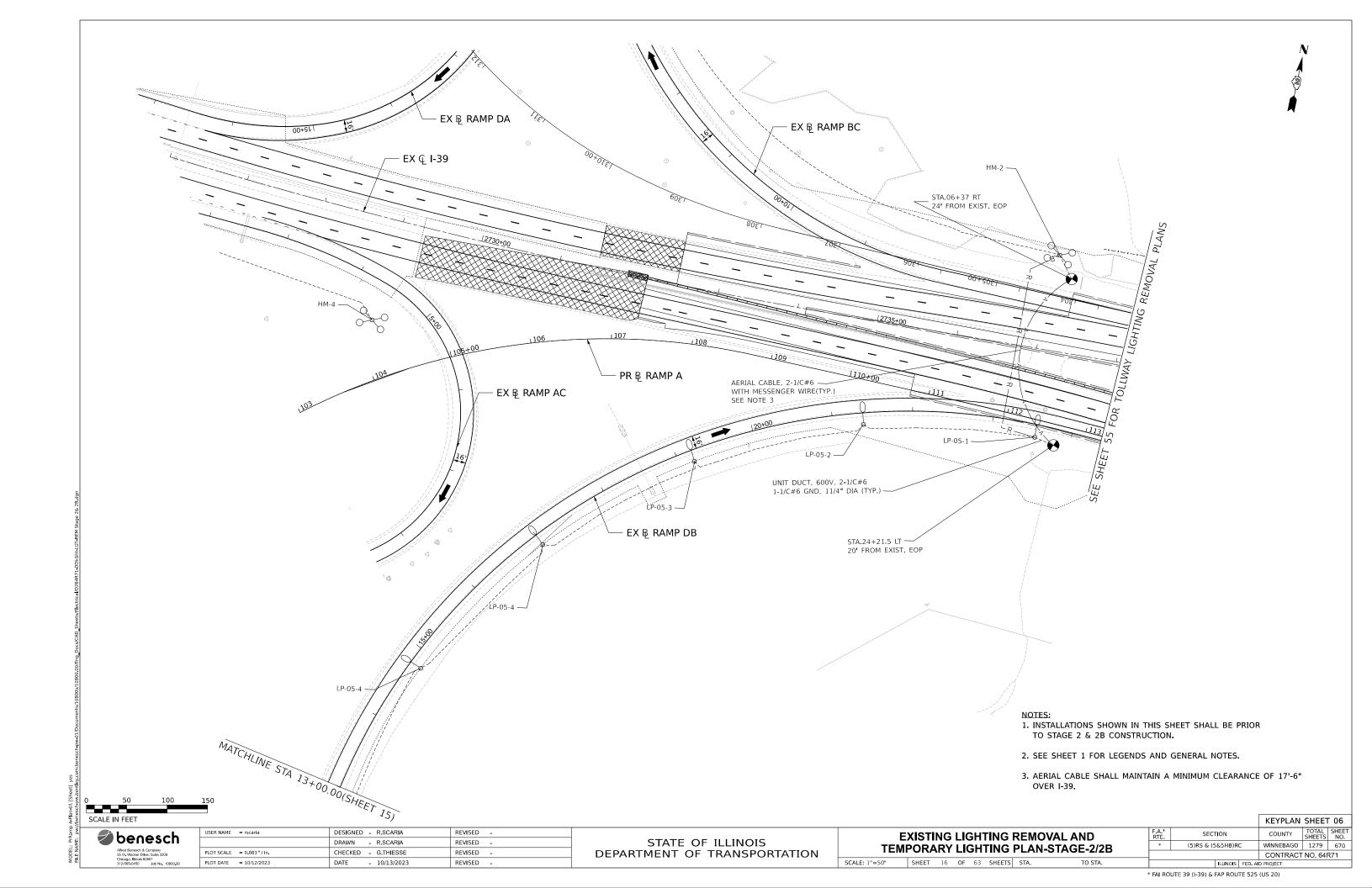


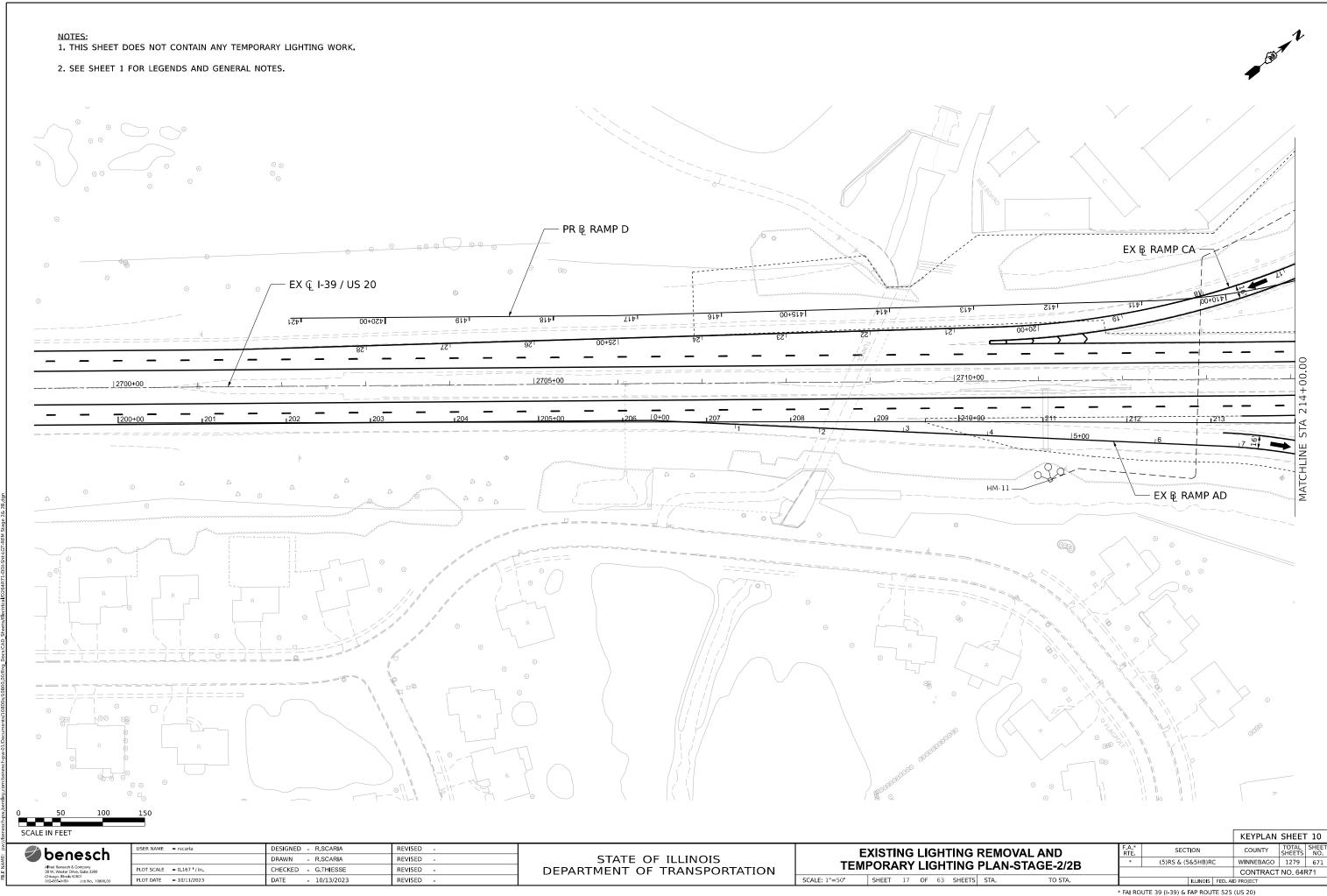


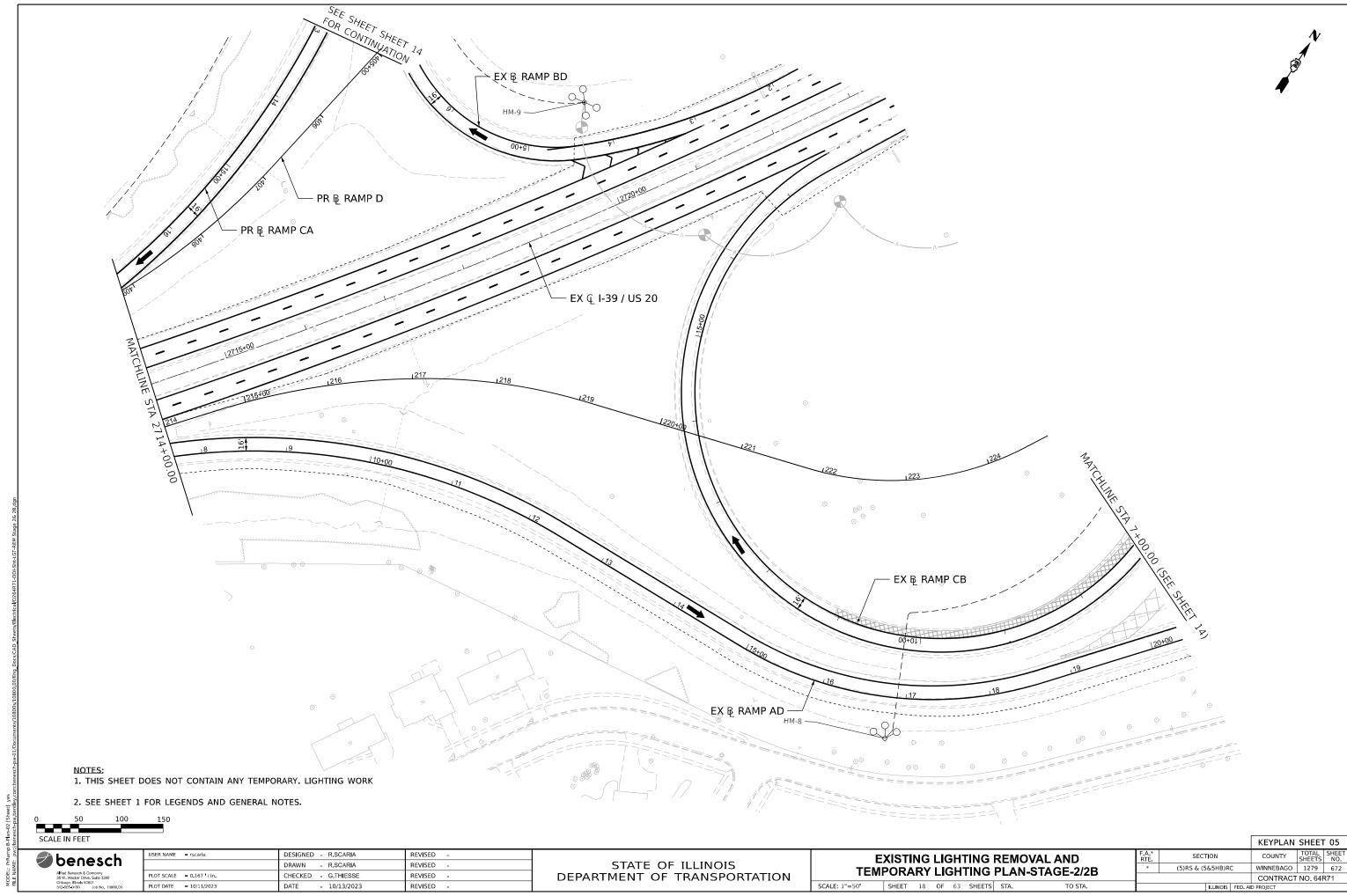


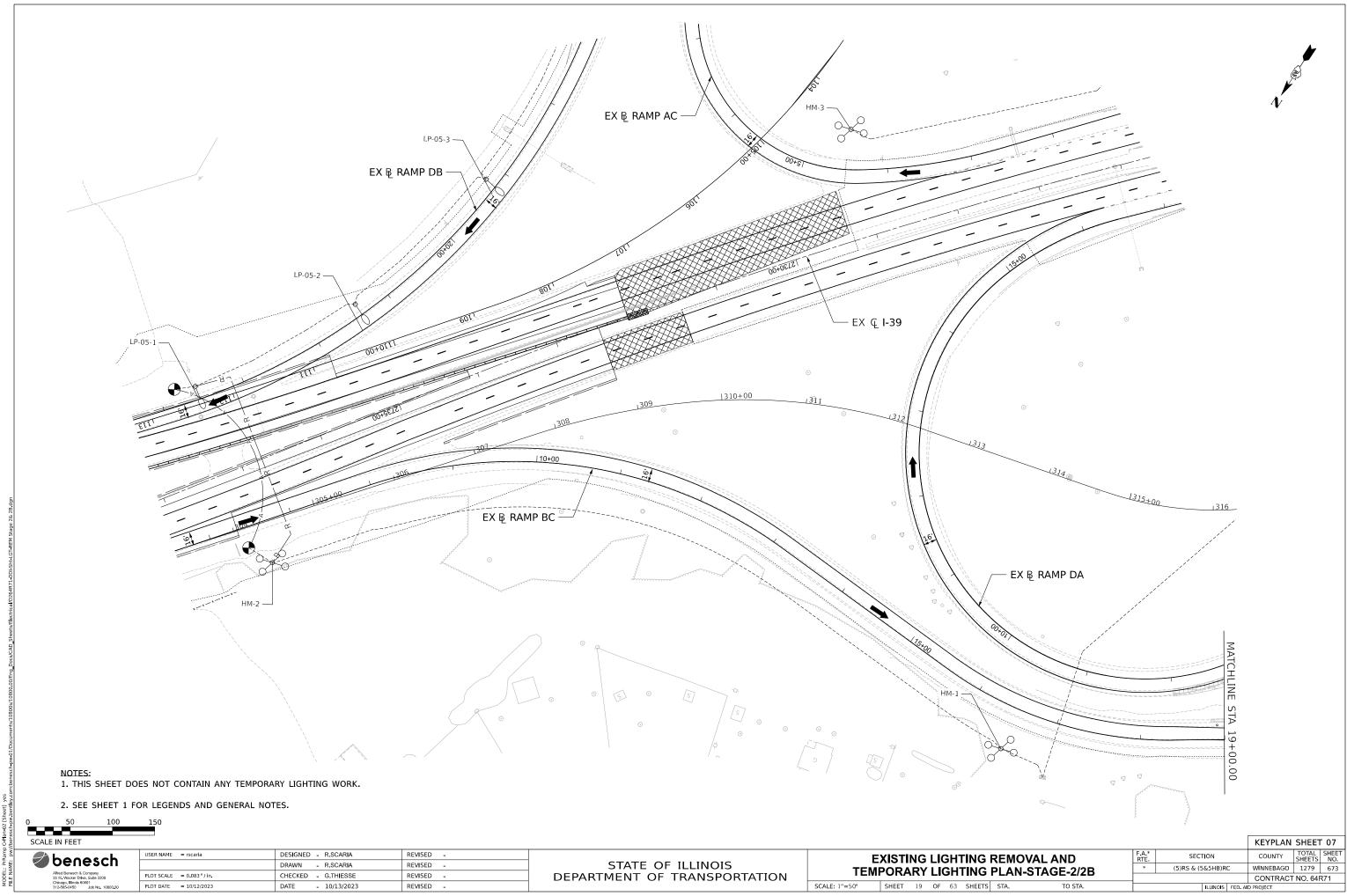












NOTES:

- 1. THIS SHEET DOES NOT CONTAIN ANY TEMPORARY LIGHTING WORK.
- 2. SEE SHEET 1 FOR LEGENDS AND GENERAL NOTES.

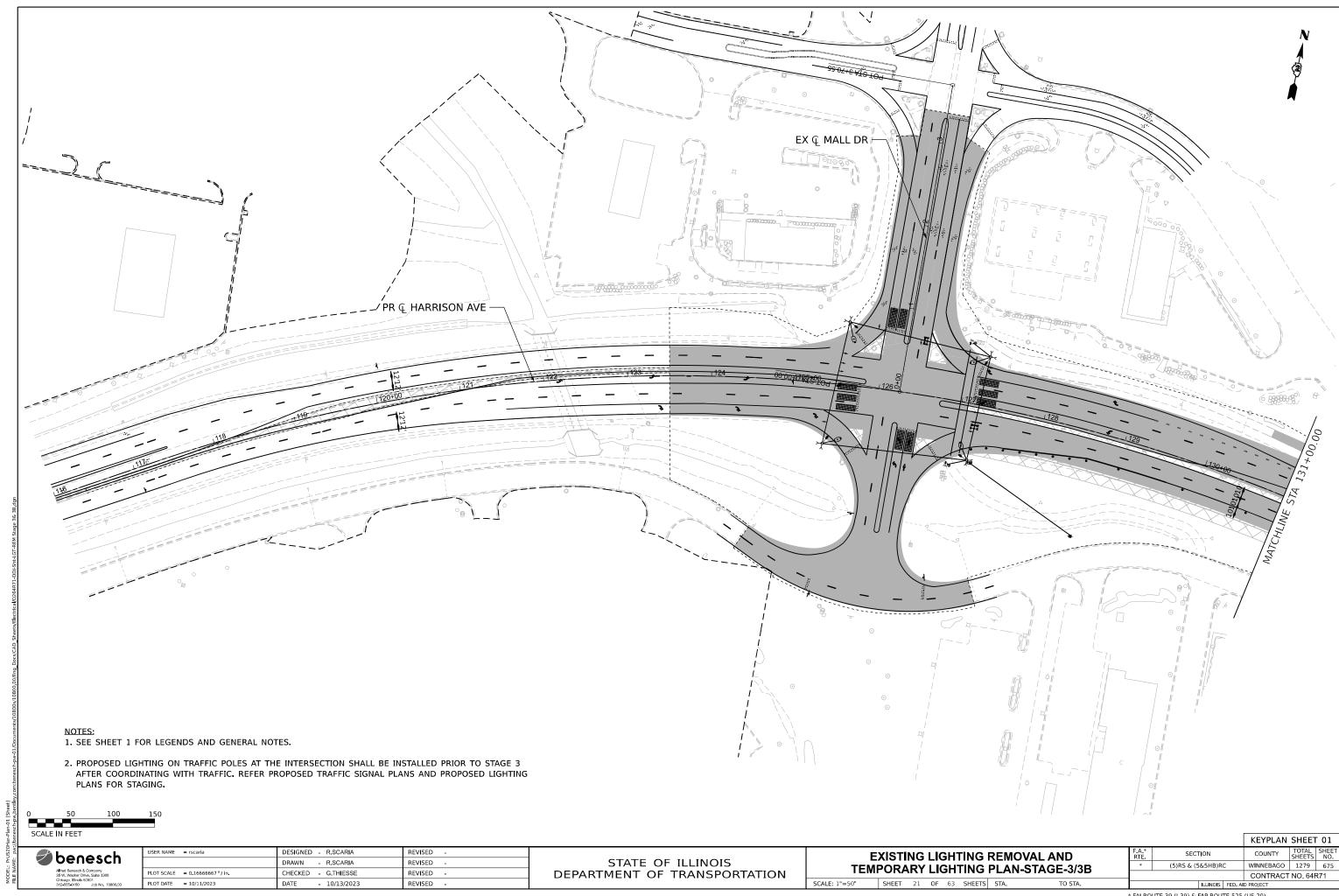
2	benesch
	Alfred Benesch & Company
	35 W. Wacker Drive, Suite 3300
	Chicago, Illinois 60601

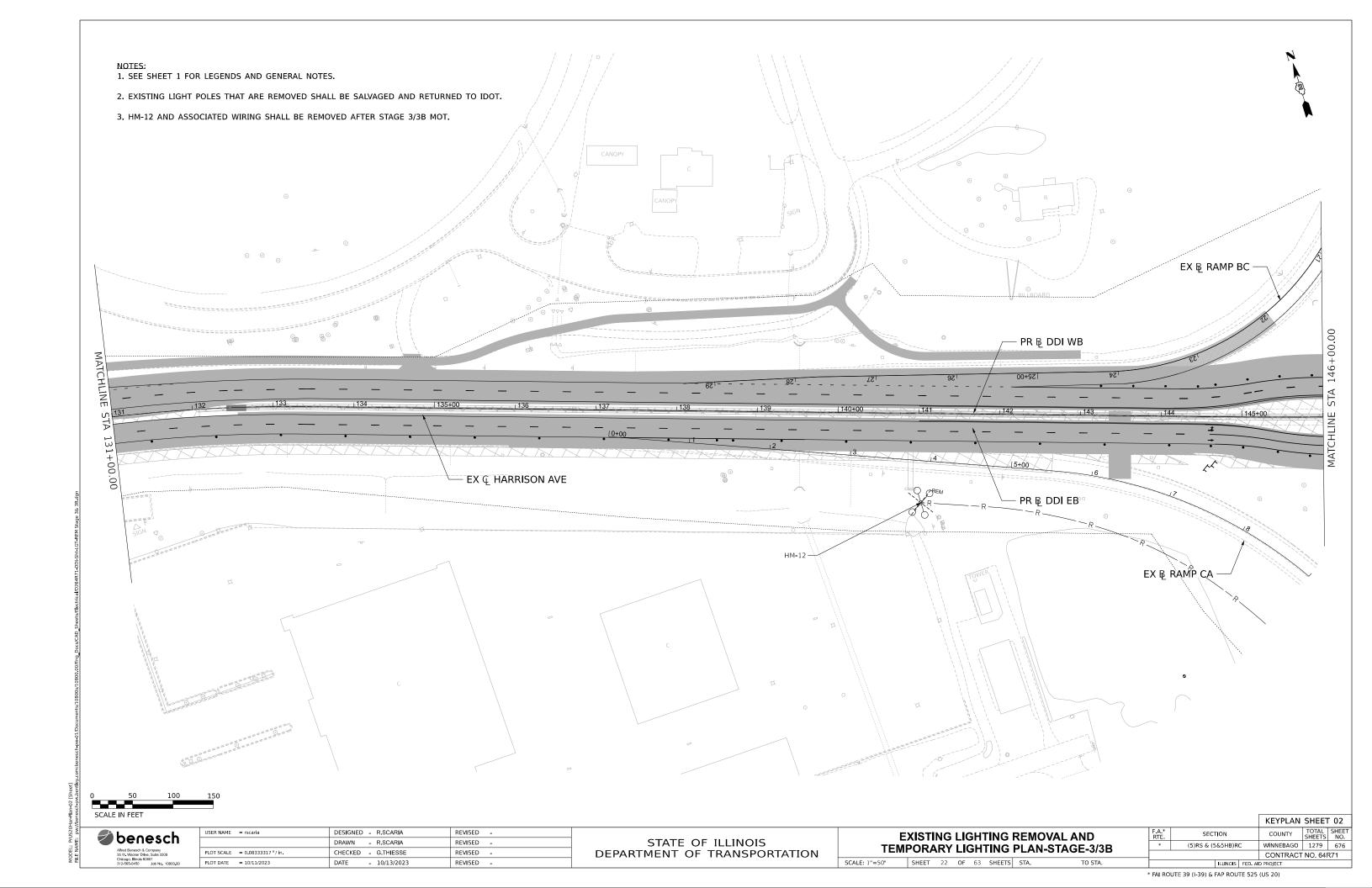
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PLOT DATE = 10/11/2023	DATE - 10/13/2023	REVISED -	

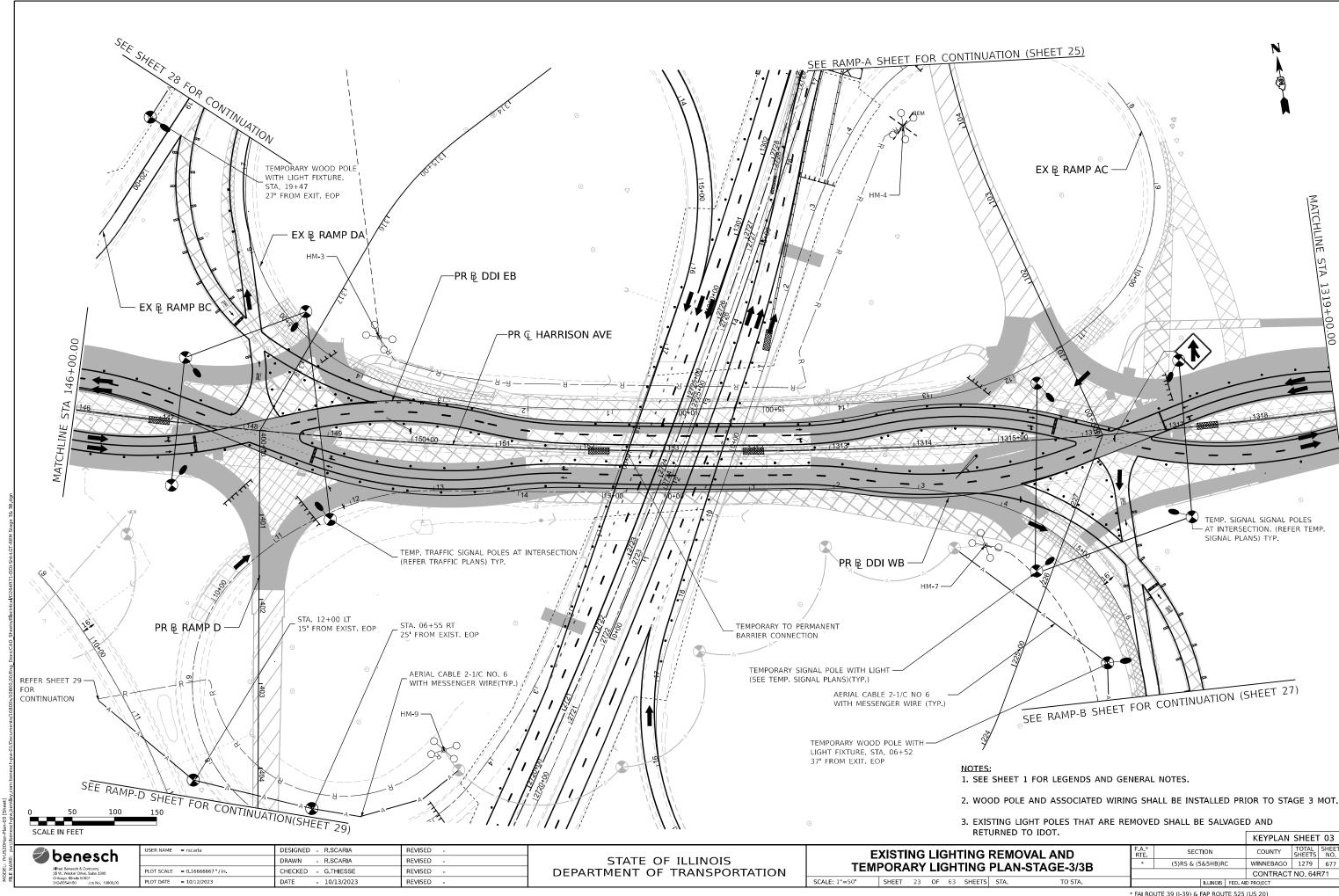
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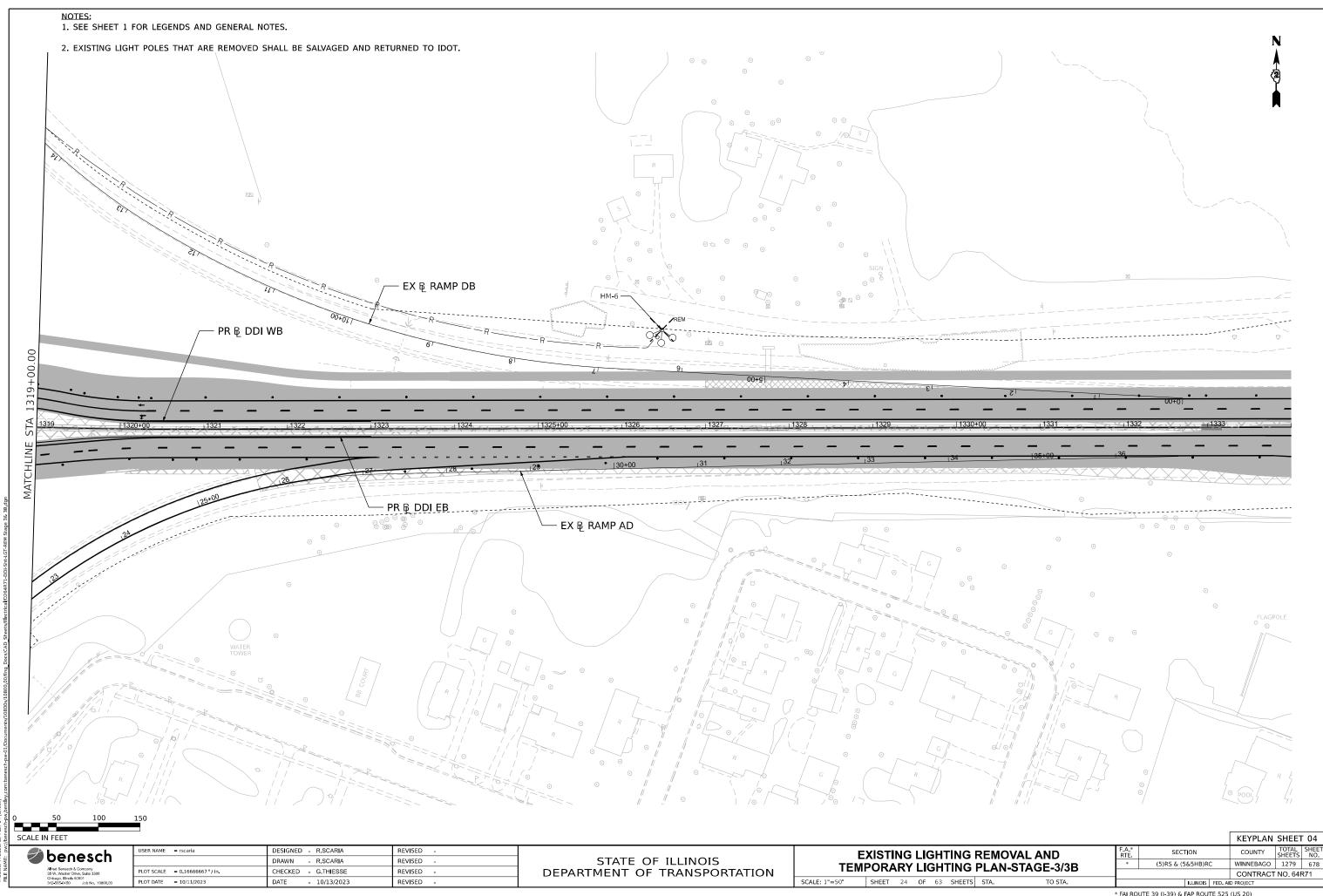
_	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN-STAGE-2/2B 1"=50' SHEET 20 OF 63 SHEETS STA. TO STA.							
: 1"=50 '	SHEET	20	OF	63	SHEETS	STA.	TO STA.	

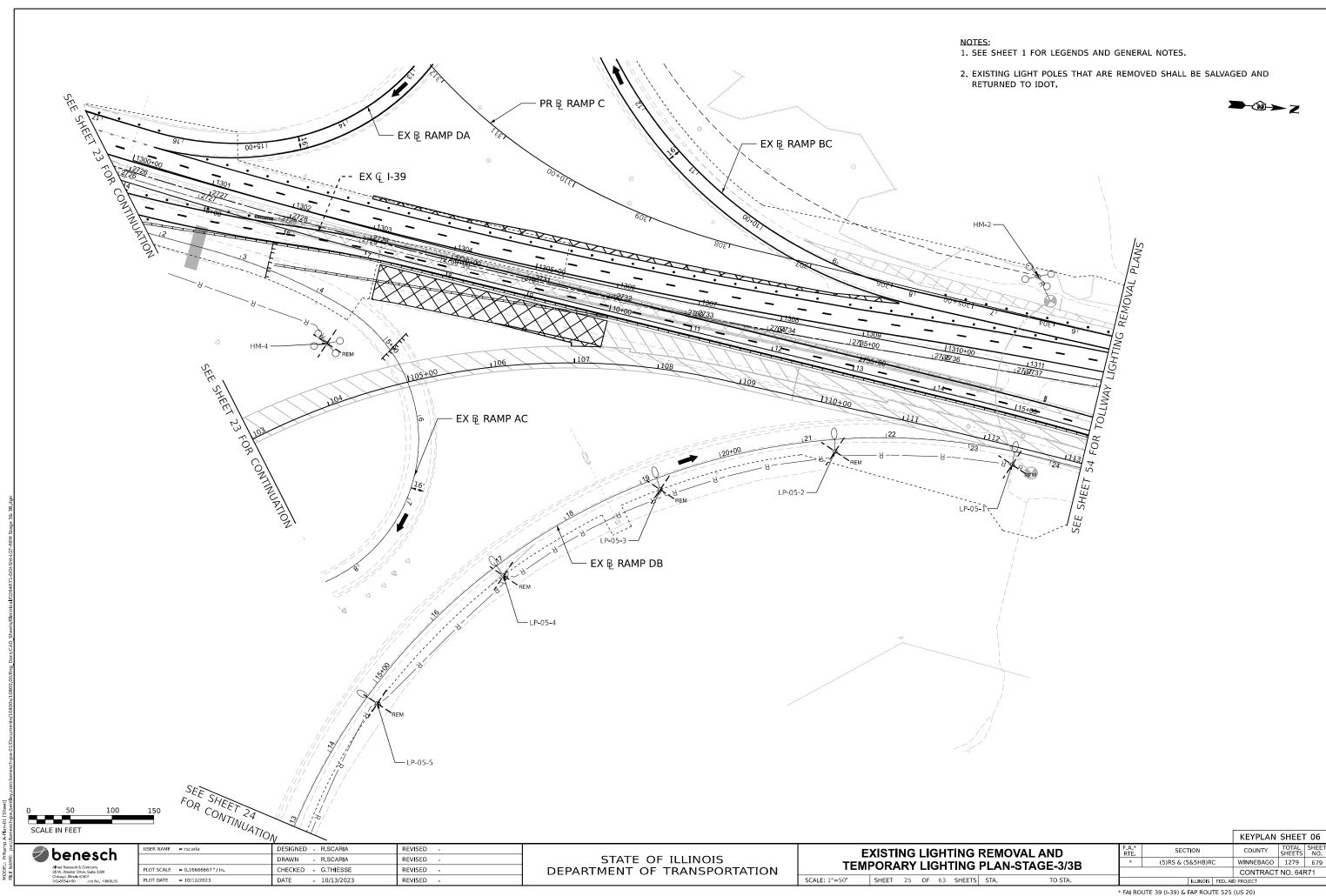
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F.A.* RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
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		CONTRACT NO. 64R71				
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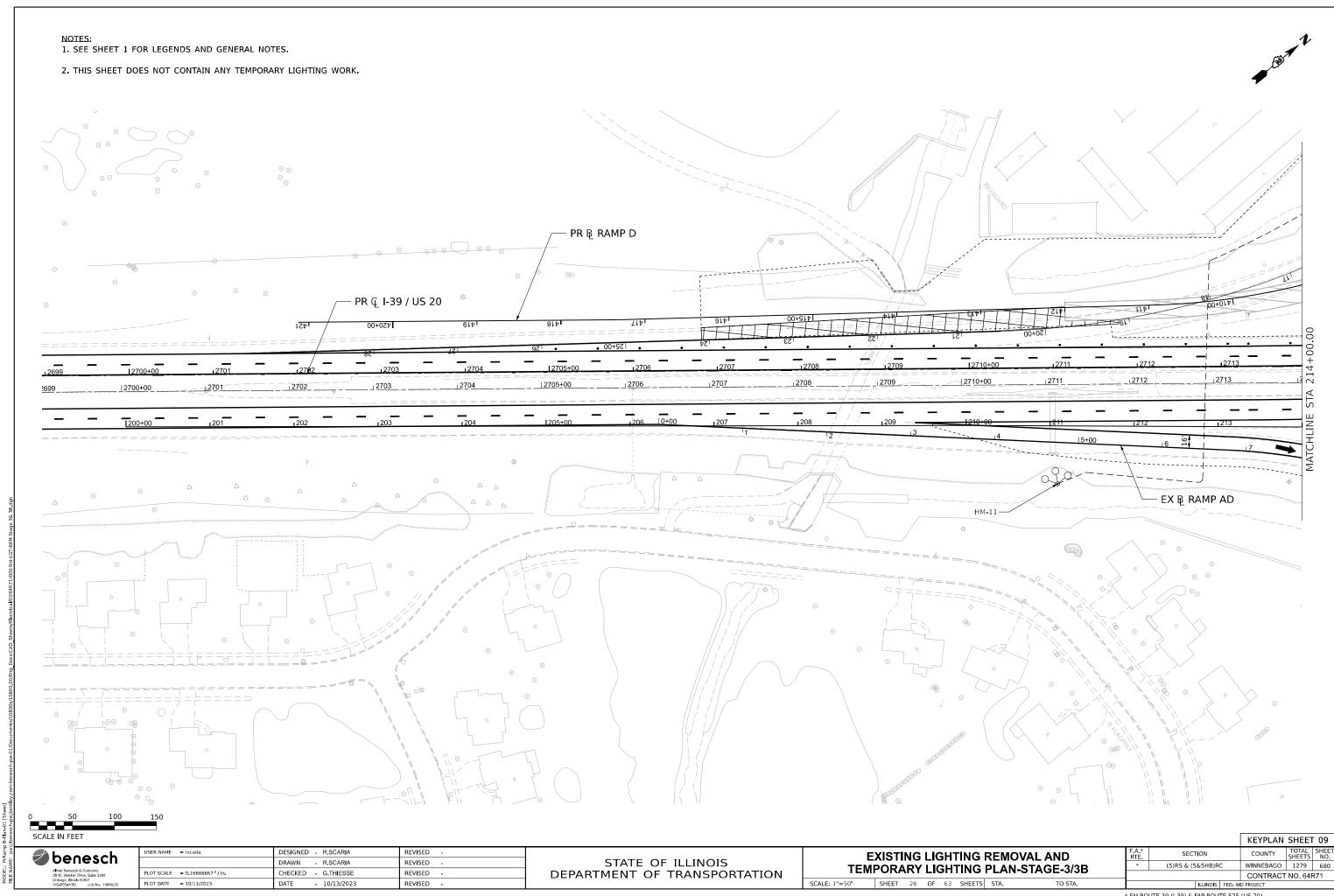


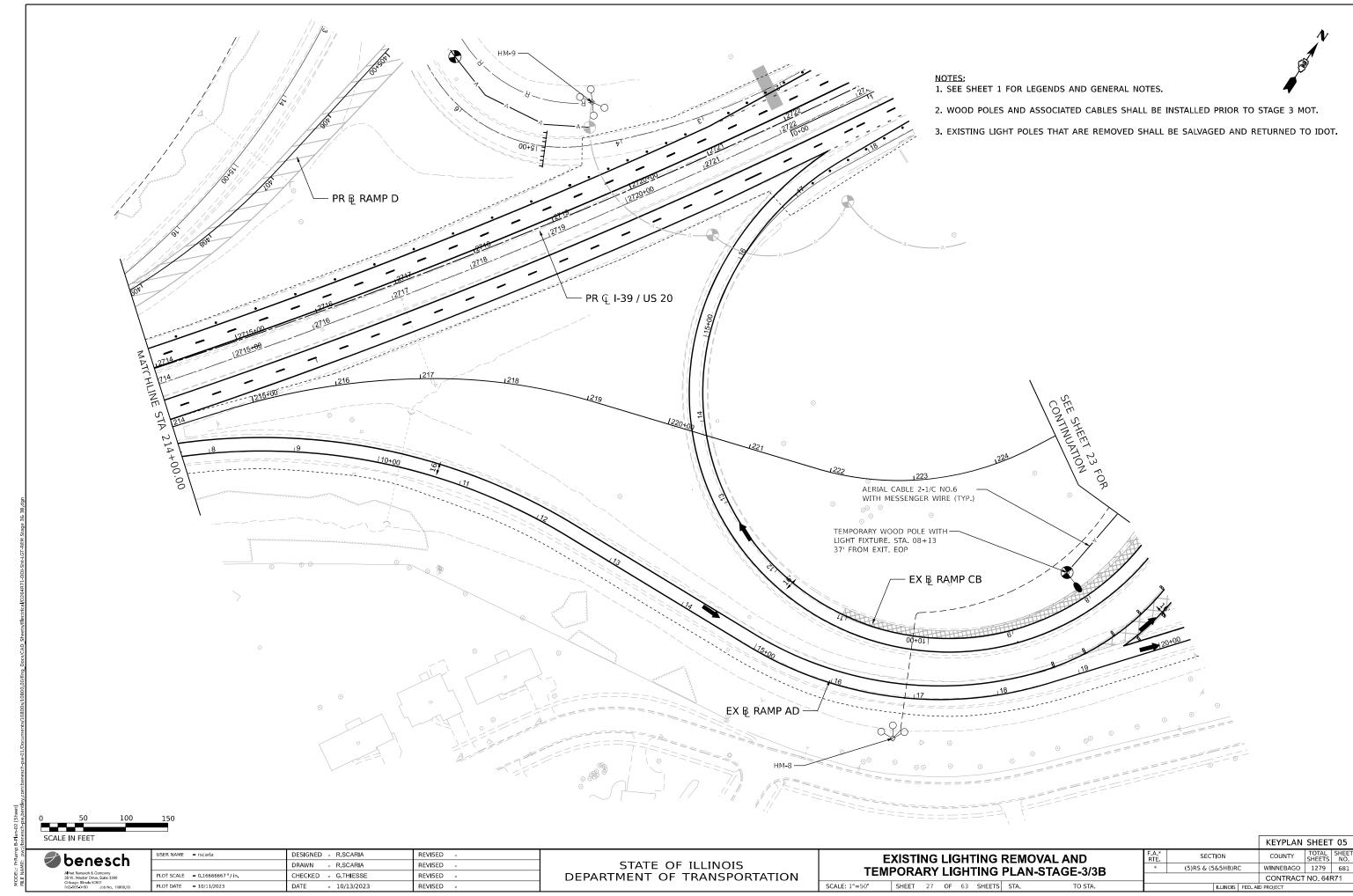


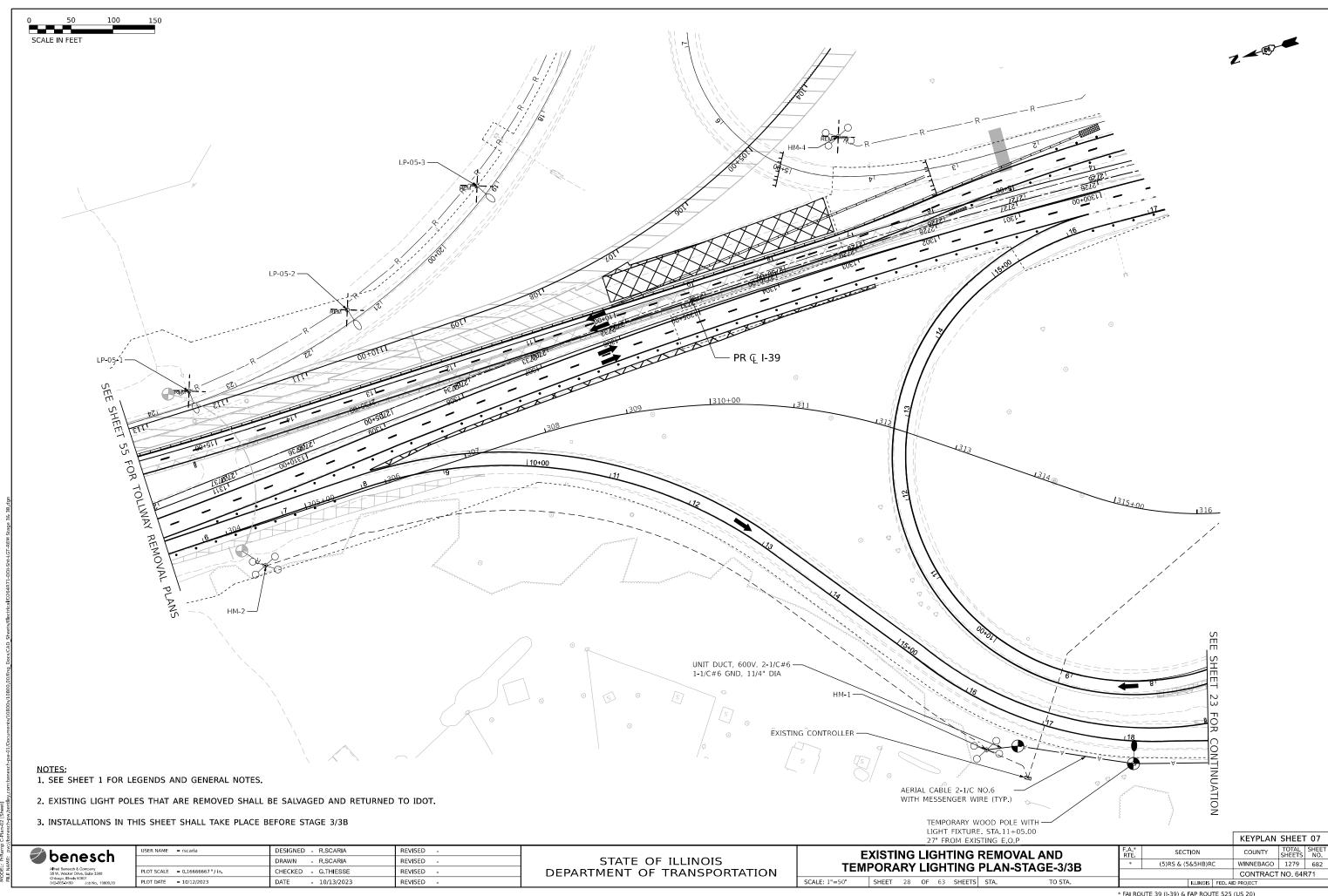


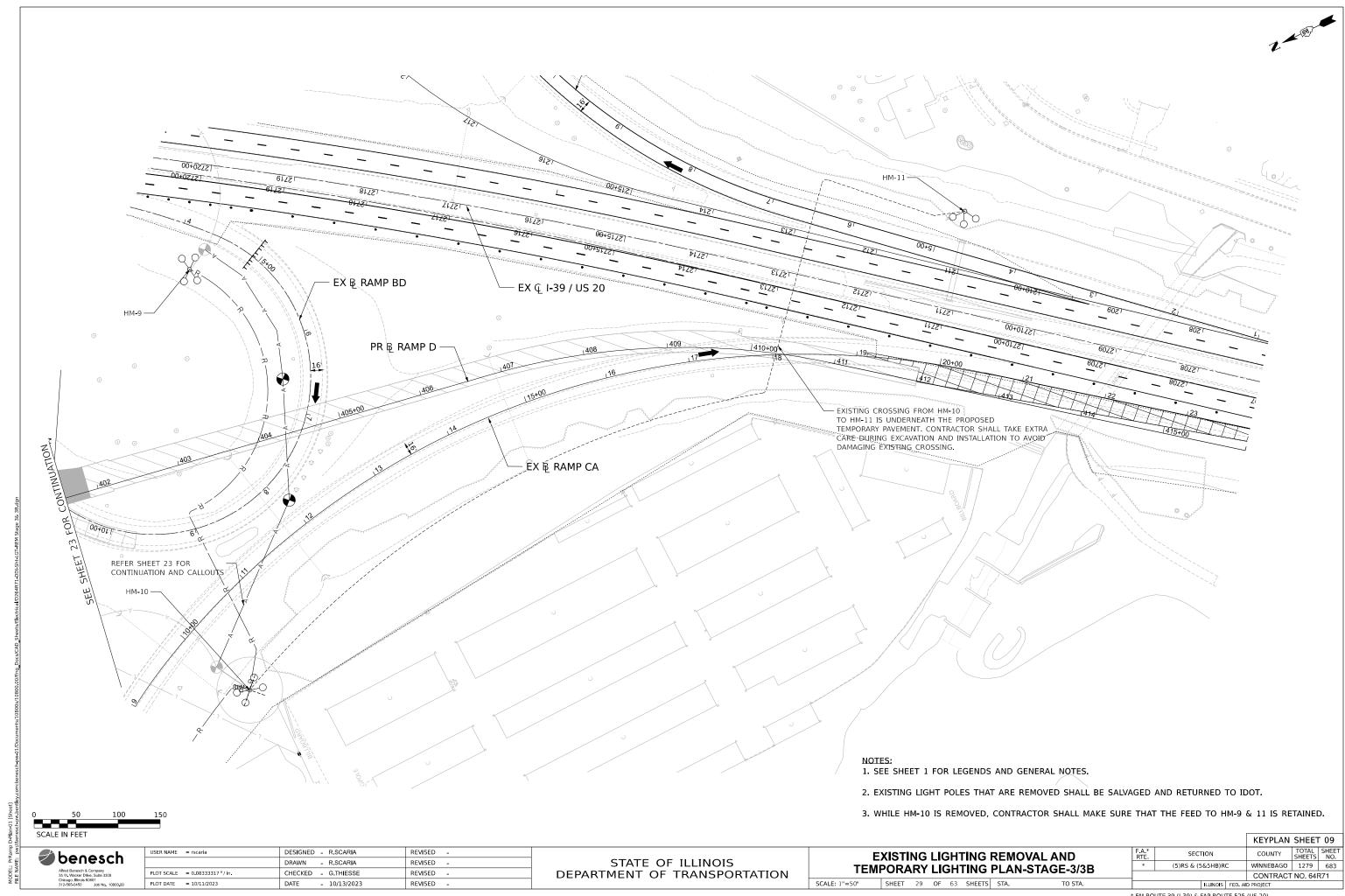


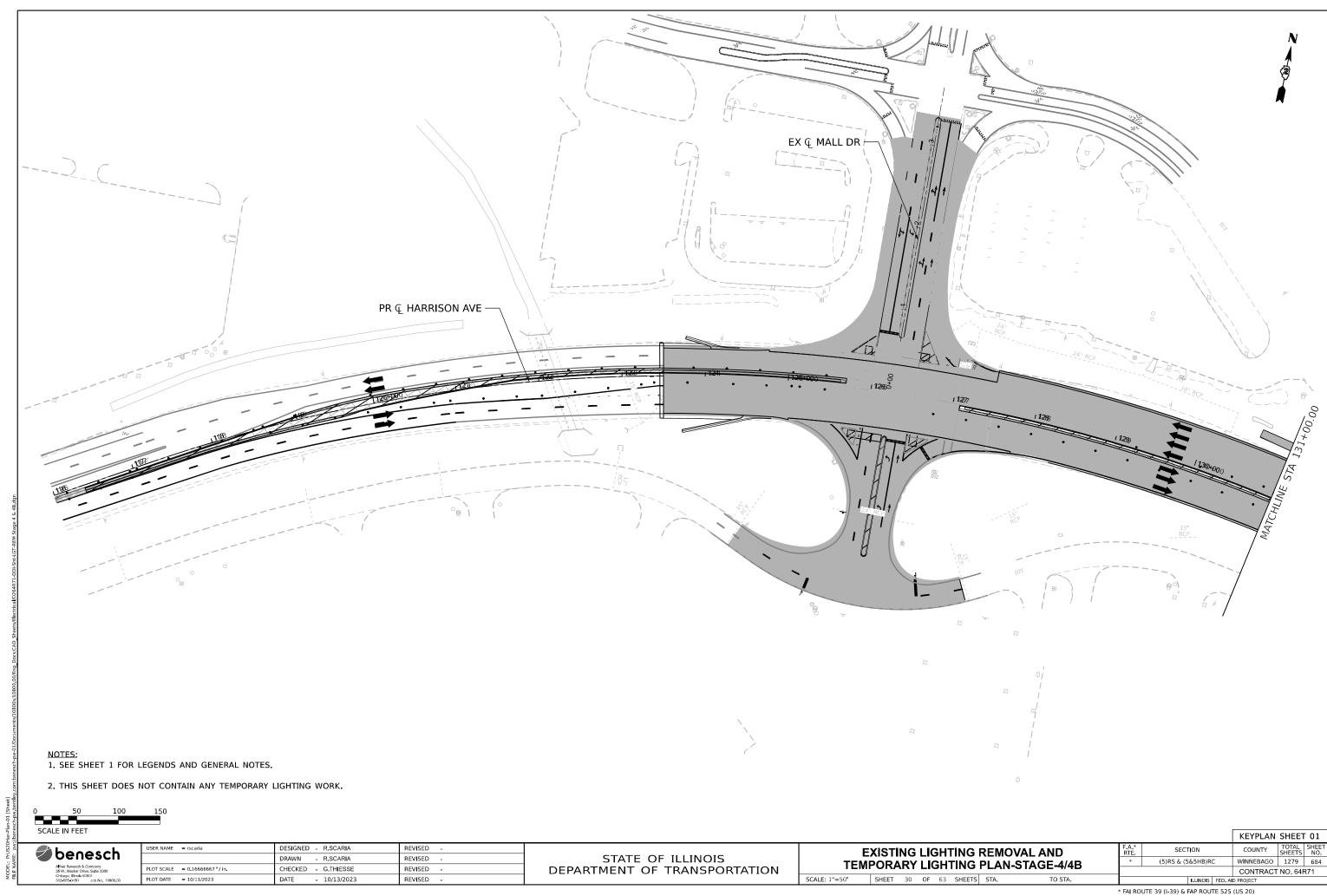


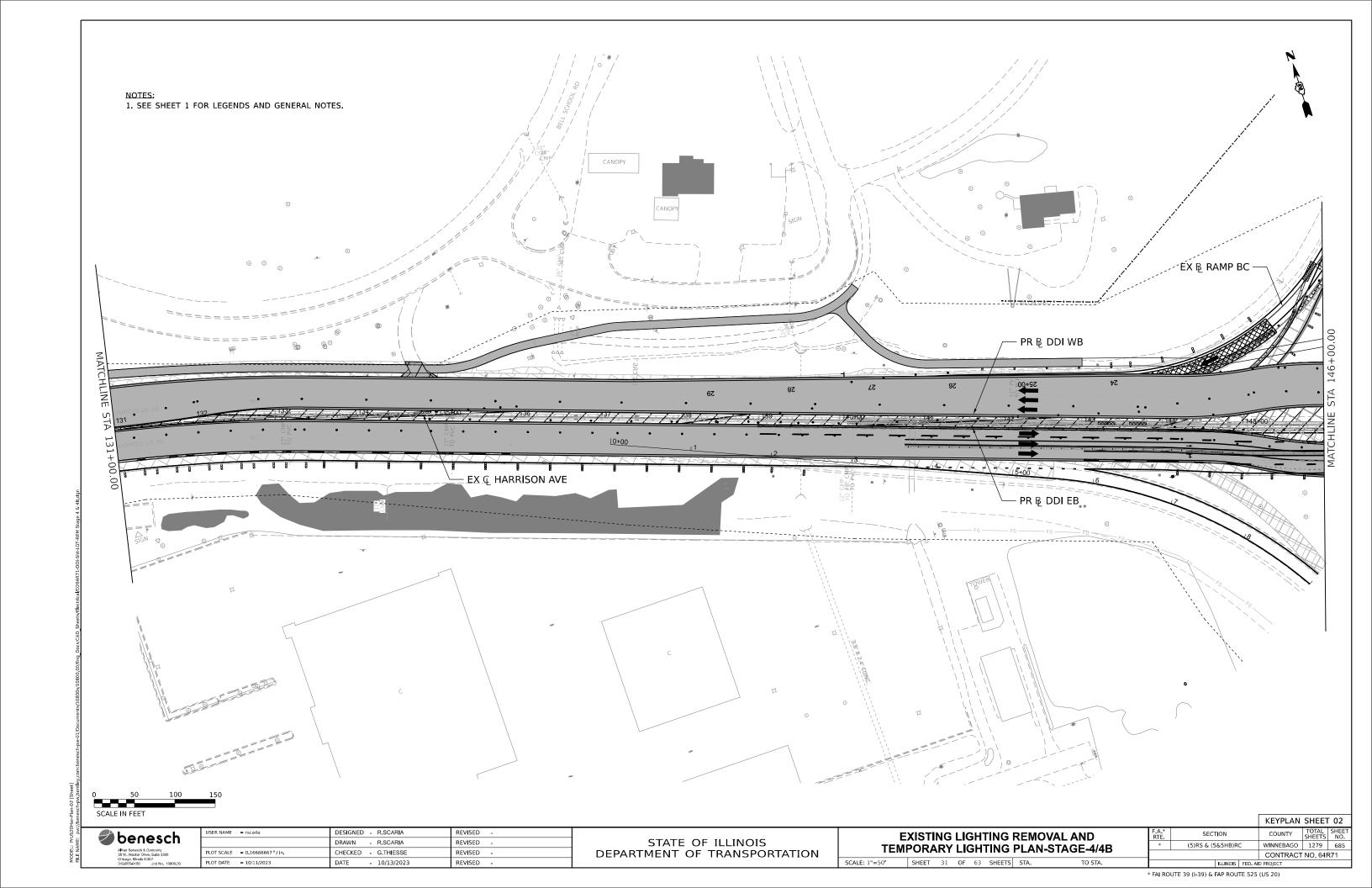


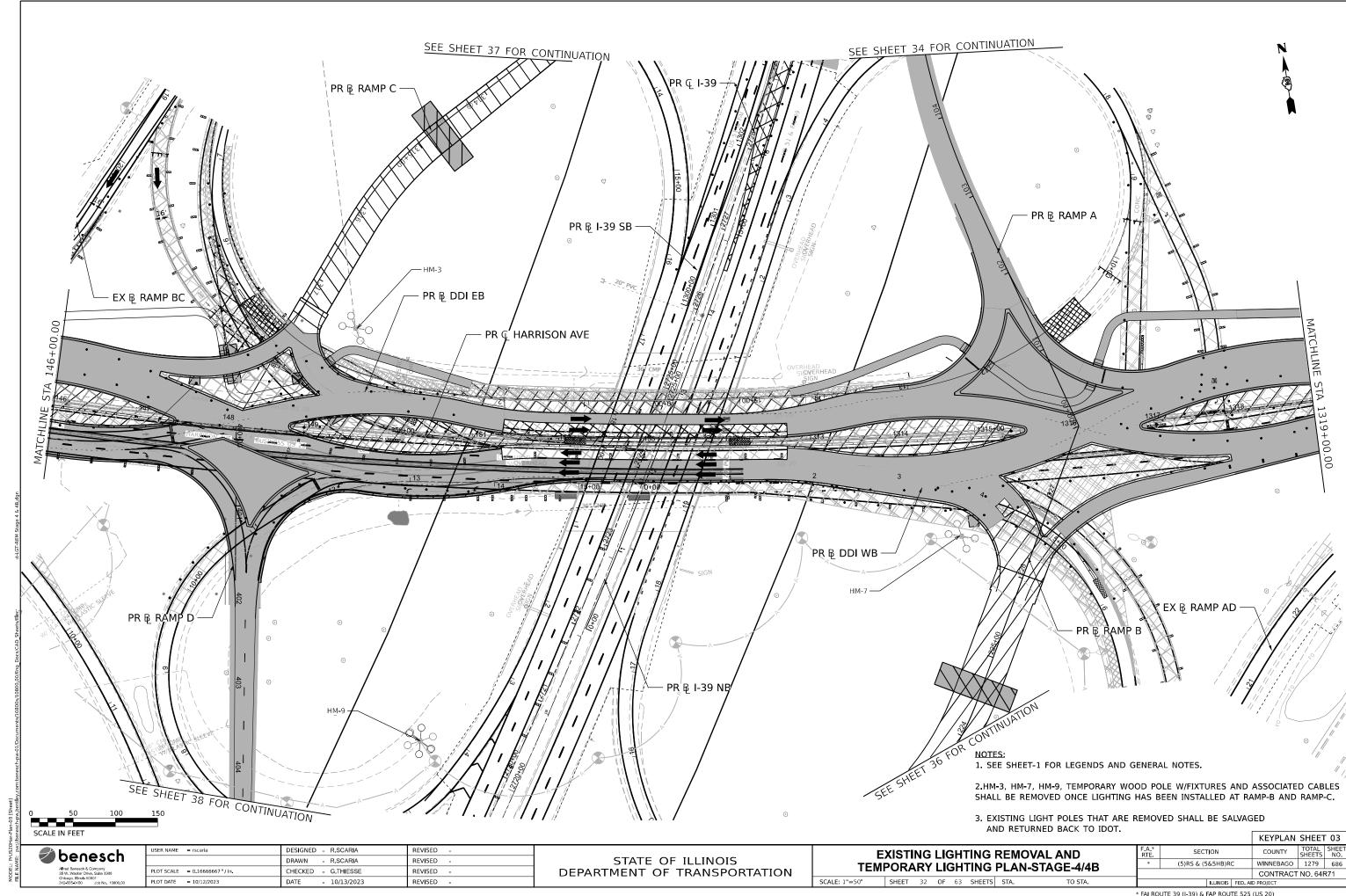


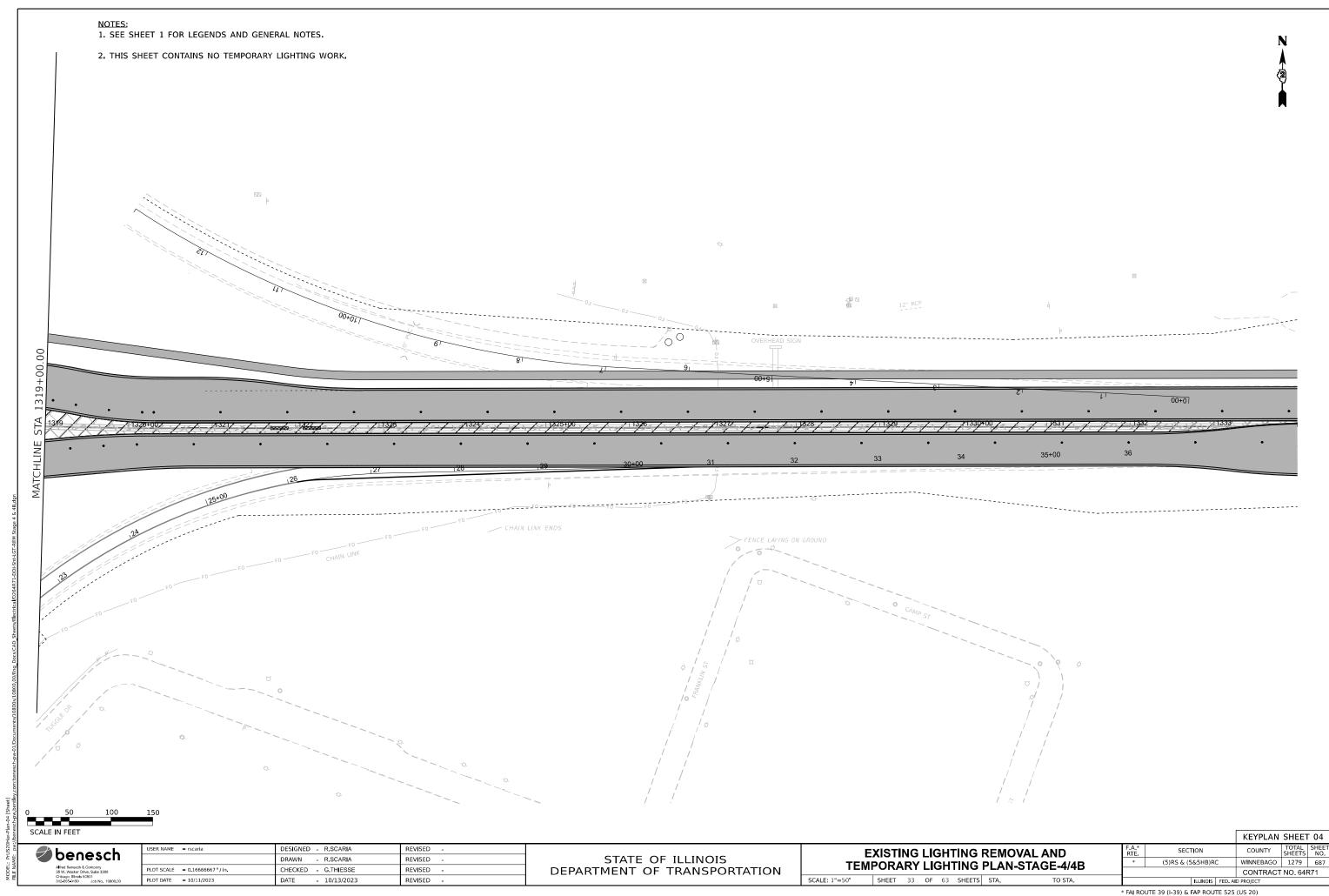


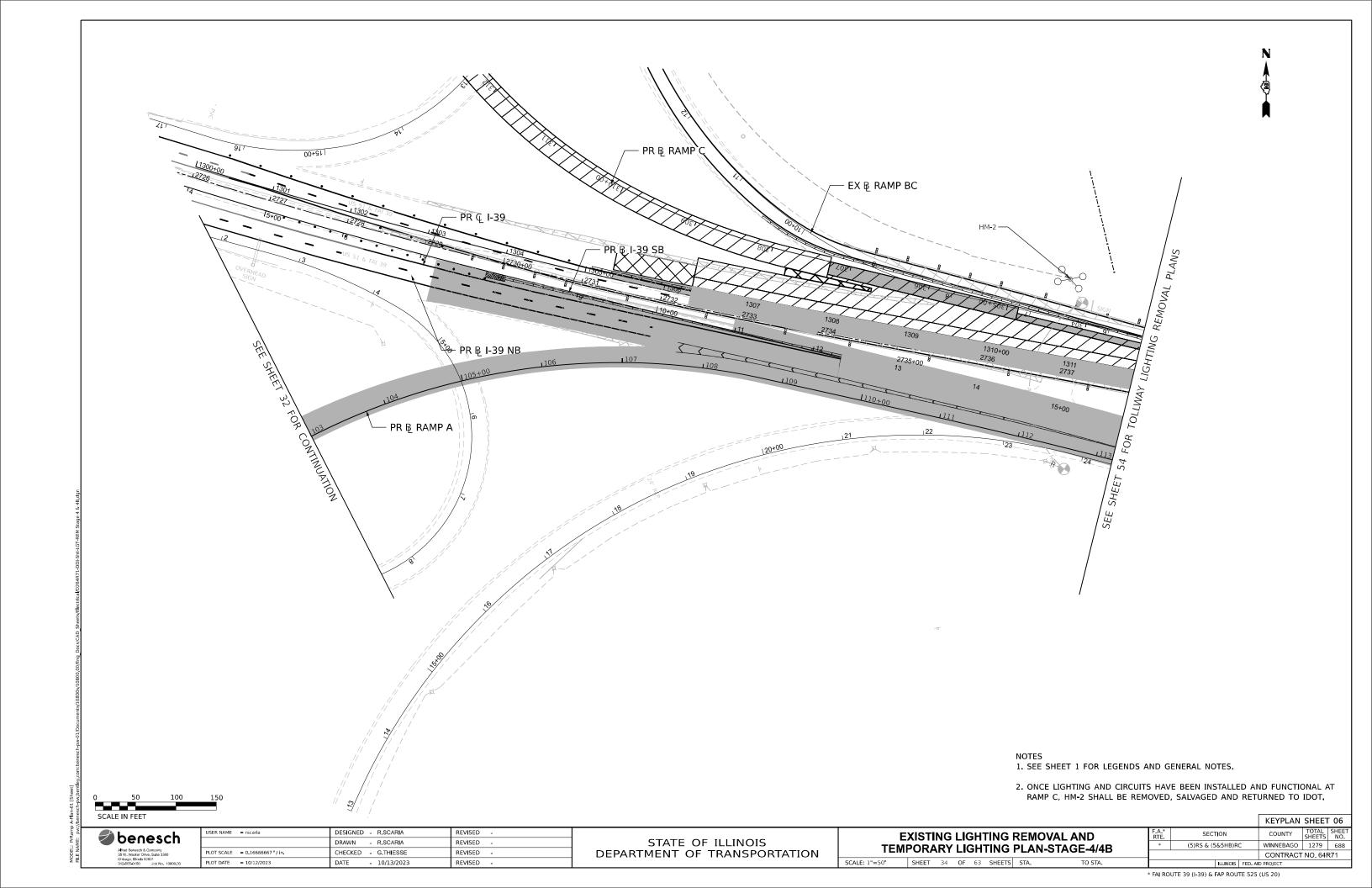


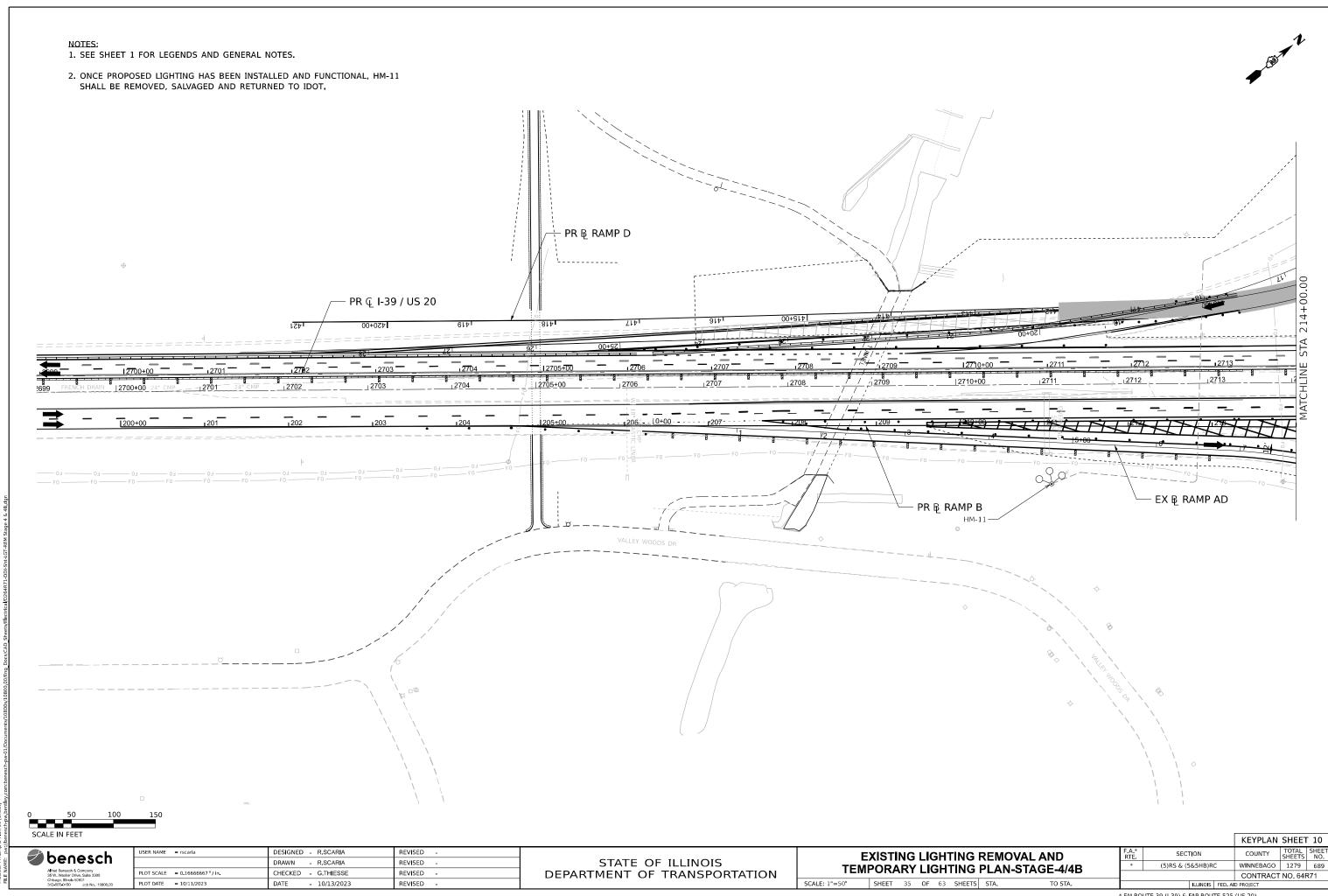


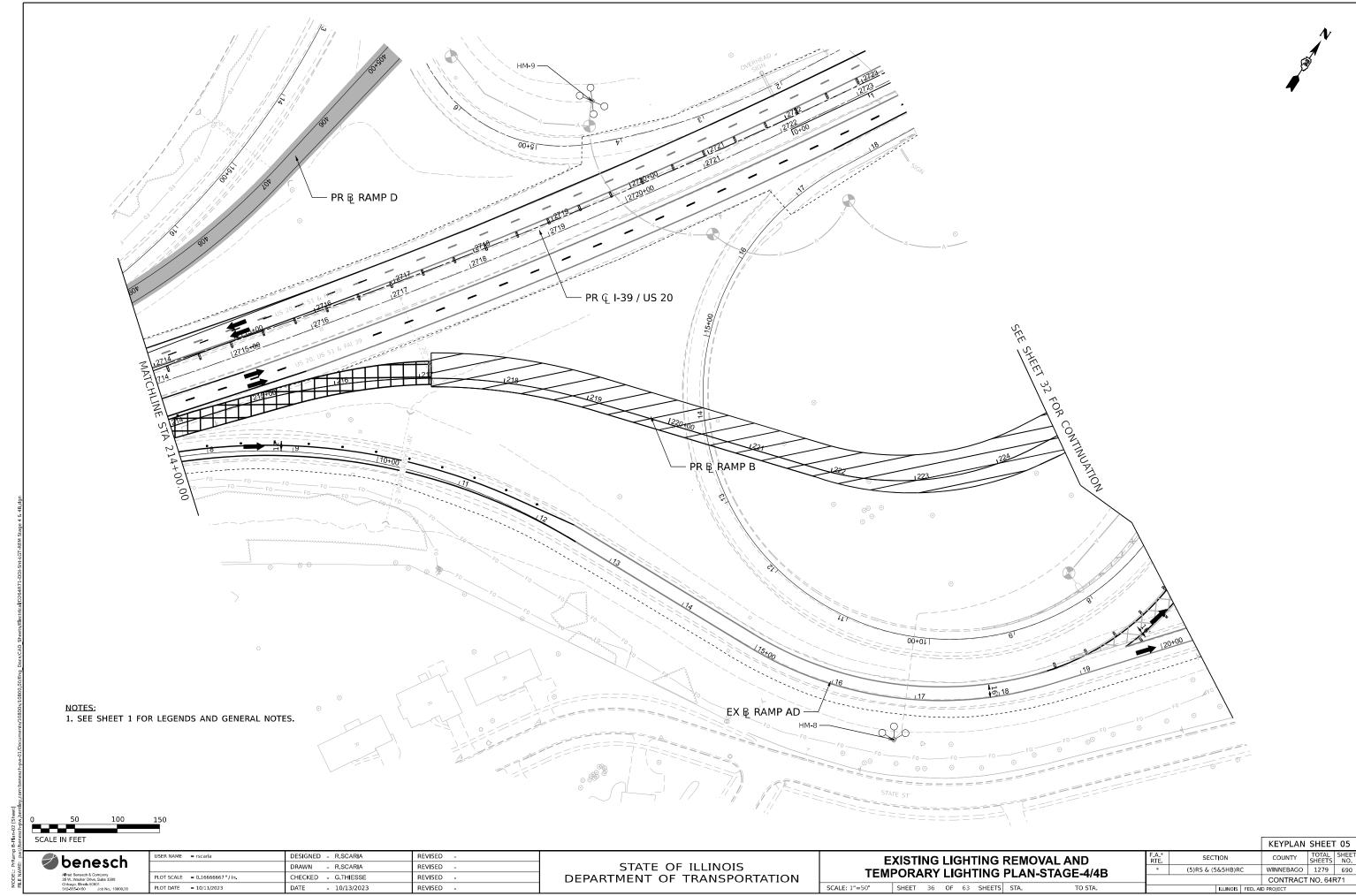


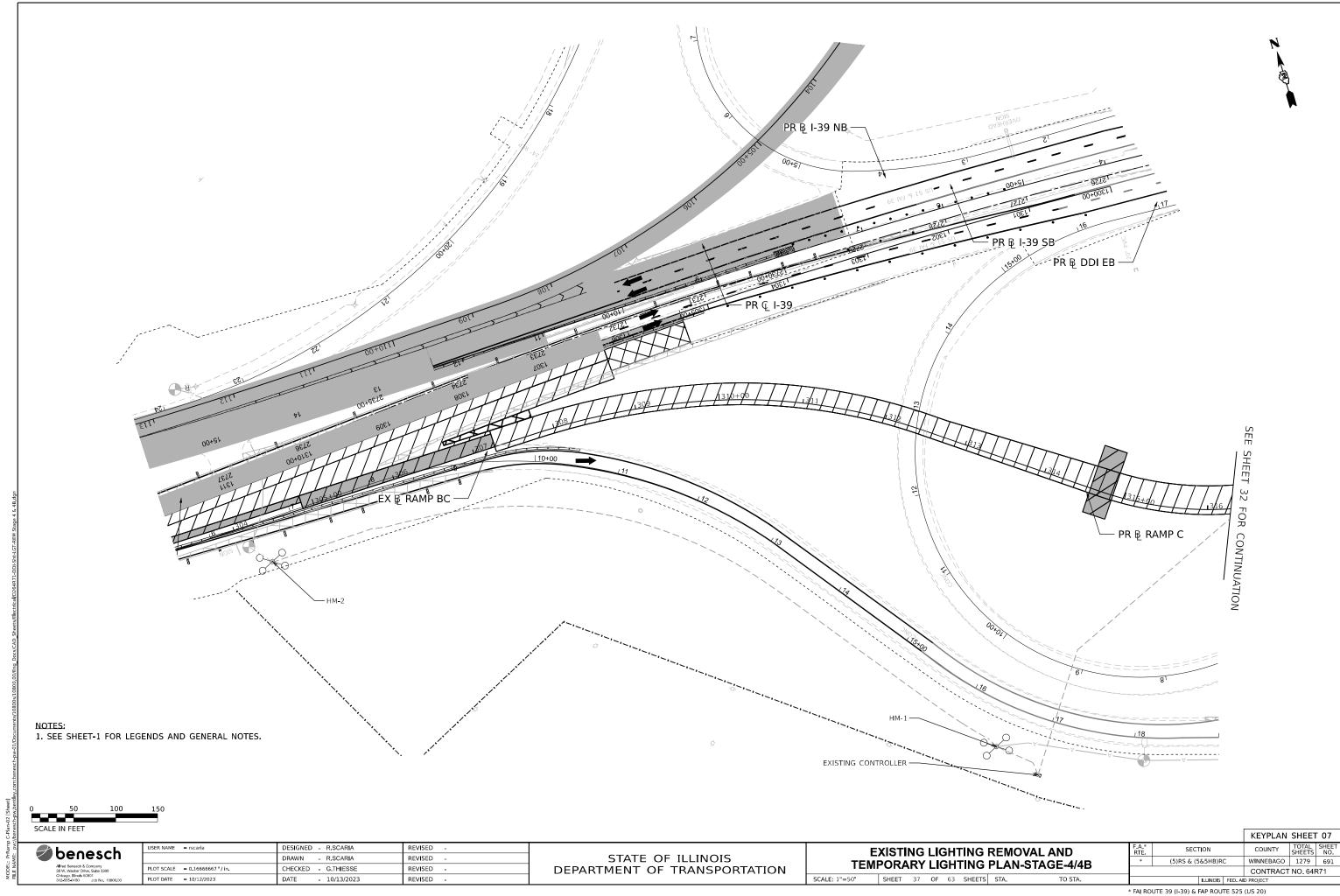


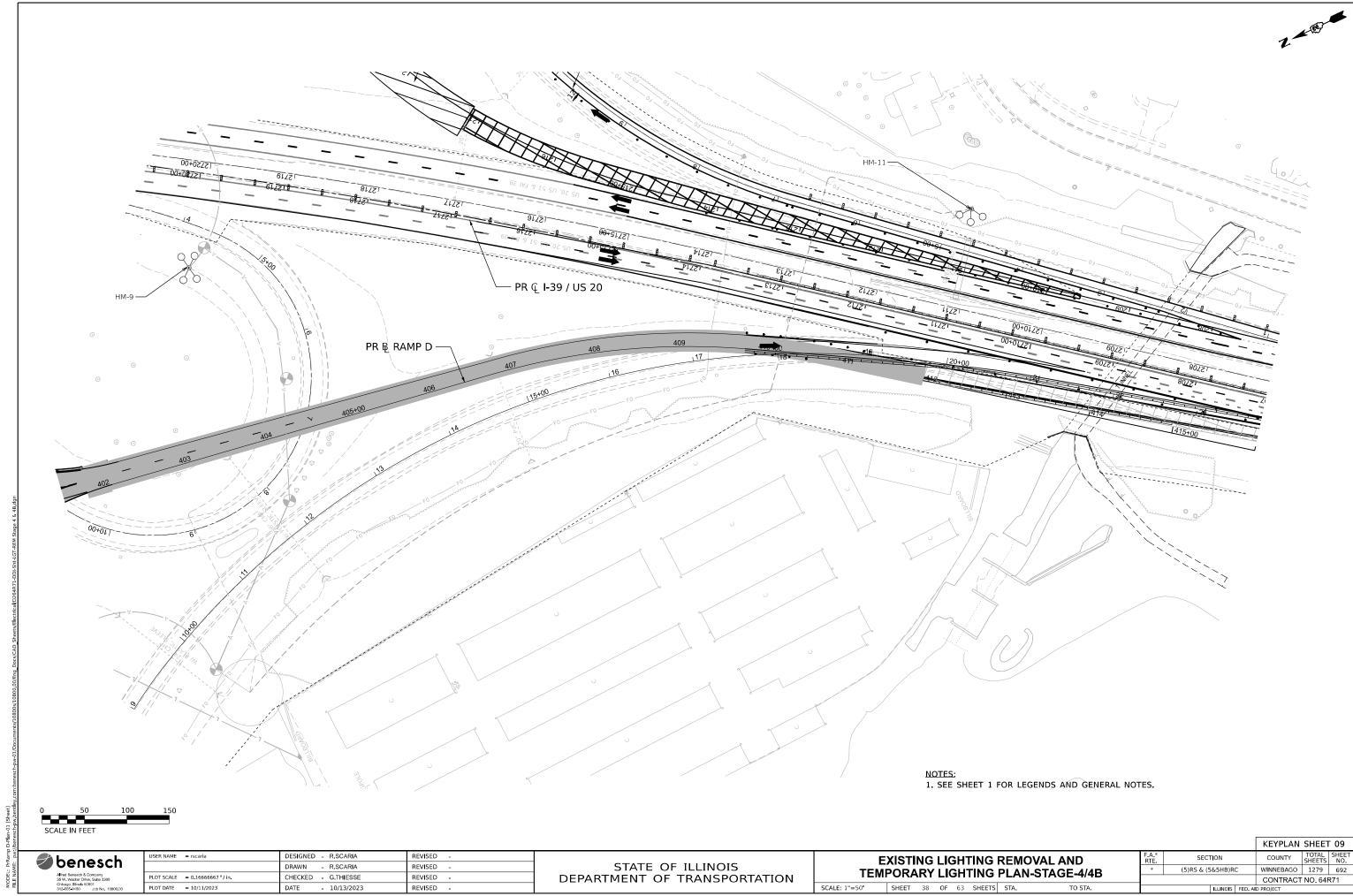


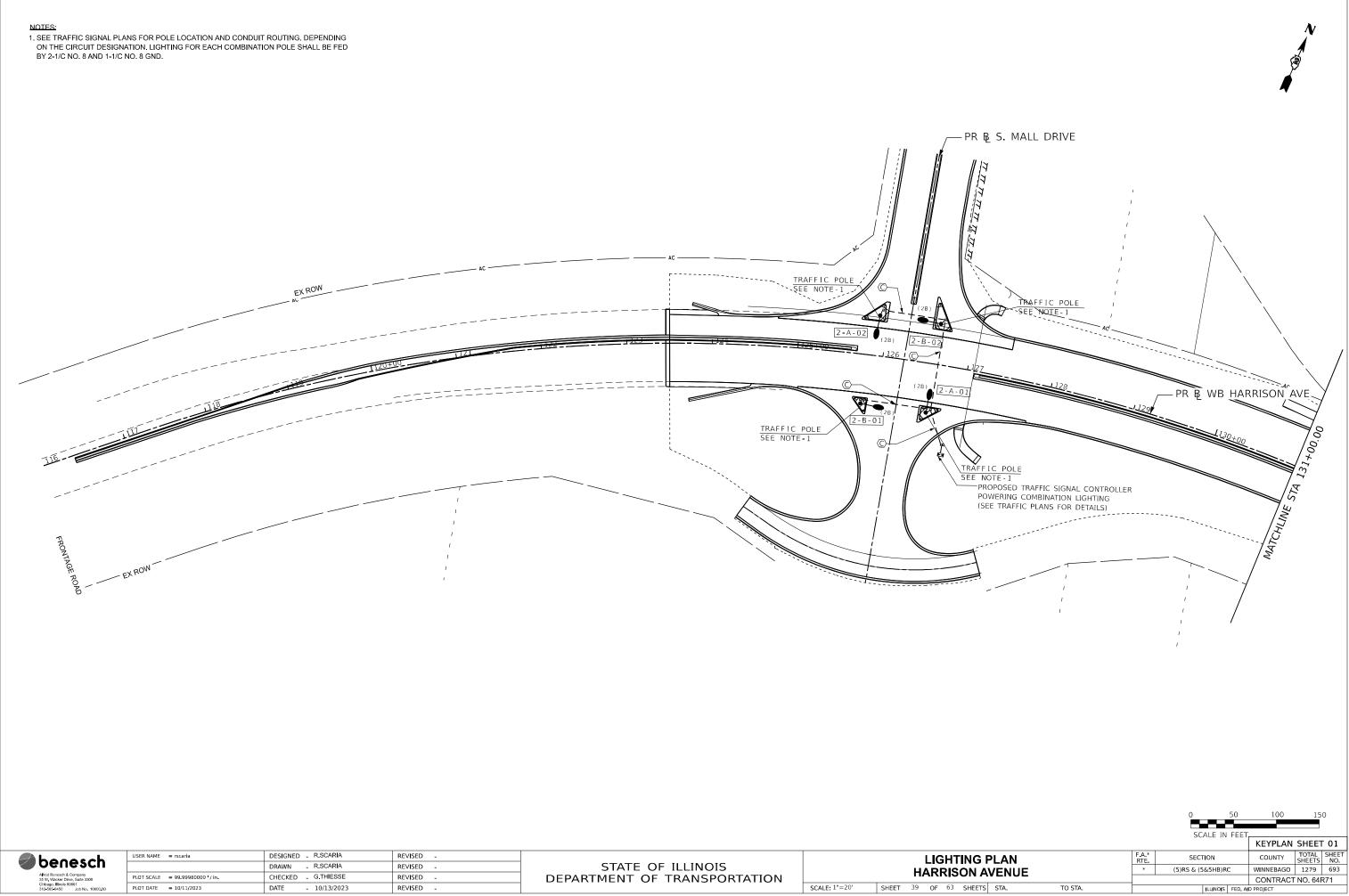


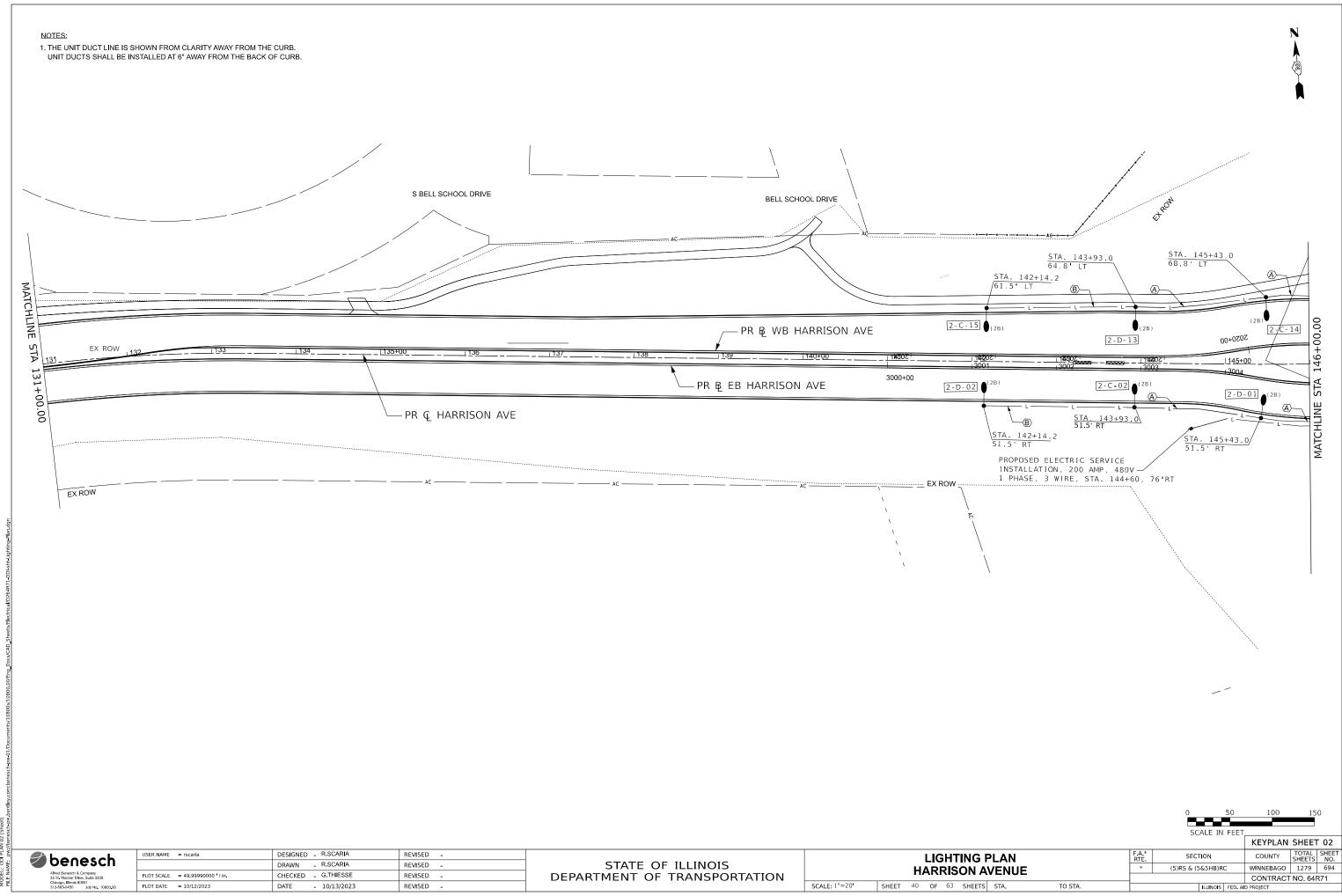










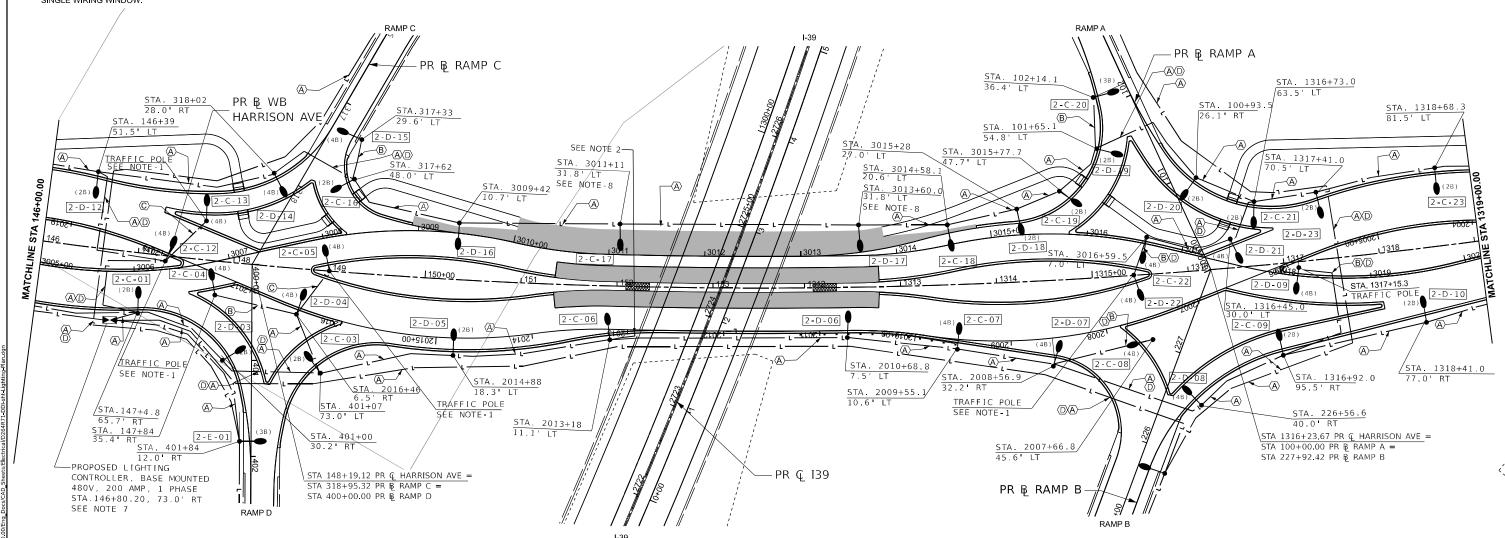


- 1. SEE TRAFFIC SIGNAL PLANS FOR POLE LOCATION AND CONDUIT ROUTING. DEPENDING ON THE CIRUCIT DESIGNATION, LIGHTING FOR EACH COMBINATION POLE SHALL BE FED BY 2-1/C NO. 8 AND 1-1/C NO. 8 GND.
- 2. CONTRACTOR SHALL STUB 1" PVC CONDUIT OUT OF BOTTOM OF POLE BLISTER TO FEED UNDERDECK LIGHTING (INCLUDED IN THE MAINLINE CONTRACT).
- 3. UNDERPASS LIGHTING HAS BEEN OMITTED DUE TO THE REPLACEMENT OF THE I-39 BRIDGE AS PART OF THE MAINLINE CONTRACT. UNDERPASS LIGHTING WILL BE CONNECTED TO THE ADJACENT HARRISON AVENUE LIGHTING AS PART OF THE MAINLINE CONTRACT.
- 4. LIGHTING AT RAMPS WILL BE SHOWN IN DESIGNATED RAMP SHEETS.
- 5. THE UNIT DUCT LINE IS SHOWN FROM CLARITY AWAY FROM THE CURB. UNIT DUCTS SHALL BE INSTALLED AT 6" AWAY FROM THE BACK OF CURB. THE INSTALLATION OF THE LIGHTING UNIT DUCT AND THE TRAFFIC SIGNAL CONDUIT SHALL BE COORDINATED AND INSTALLED IN A COMMON TRENCH WHERE APPLICABLE.
- 6. PROPOSED LIGHTING CONTROLLER FOUNDATION SHALL HAVE (2) 5" SCHEDULE 40 PVC WIRING WINDOW. THE SPARE WIRING WINDOW SHALL BE KEPT FOR FUTURE USE.
- 7. PROPOSED UNIT DUCTS TO BE CONNECTED TO PROPOSED LIGHTING CONTROLLER SHALL BE FED THROUGH A

NOTES:

8. LIGHTS SHALL BE INSTALLED AT 5 DEGREE TILT ANGLE WHEN TEMPORARY PAVEMENT IS IN PLACE.





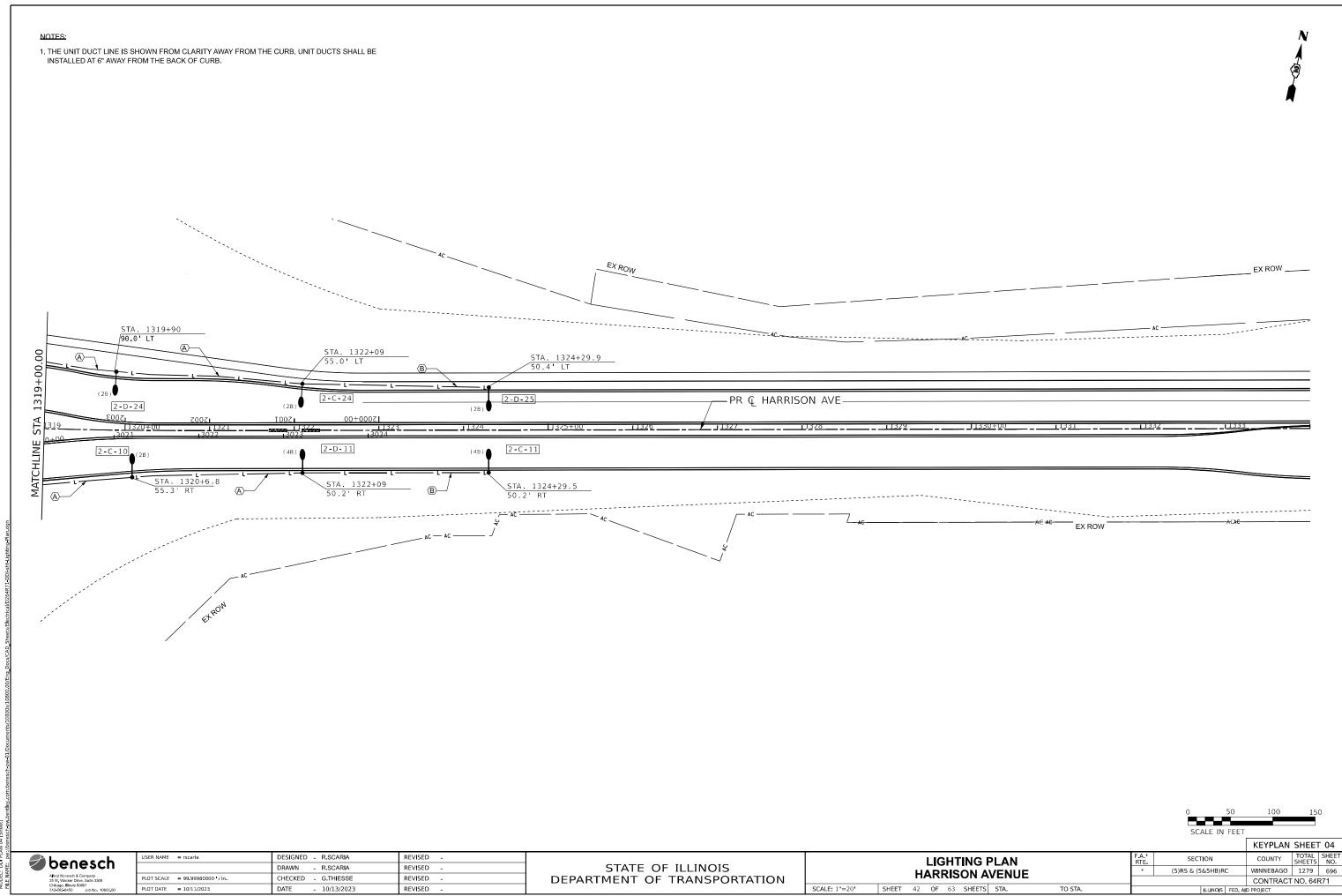


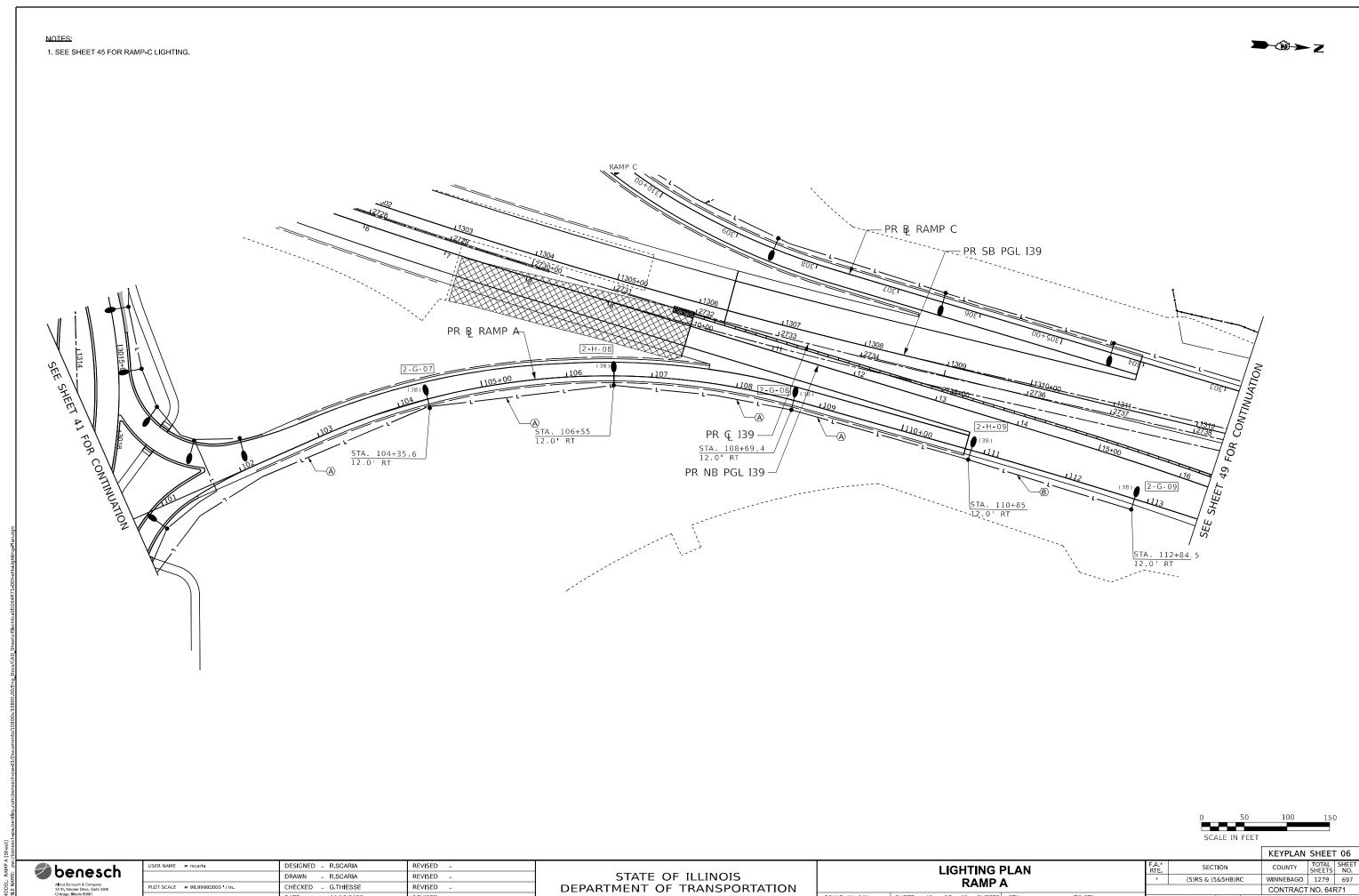
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PLOT DATE = 10/12/2023	DATE - 10/13/2023	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20"

	F.A.* RTE	SECT						
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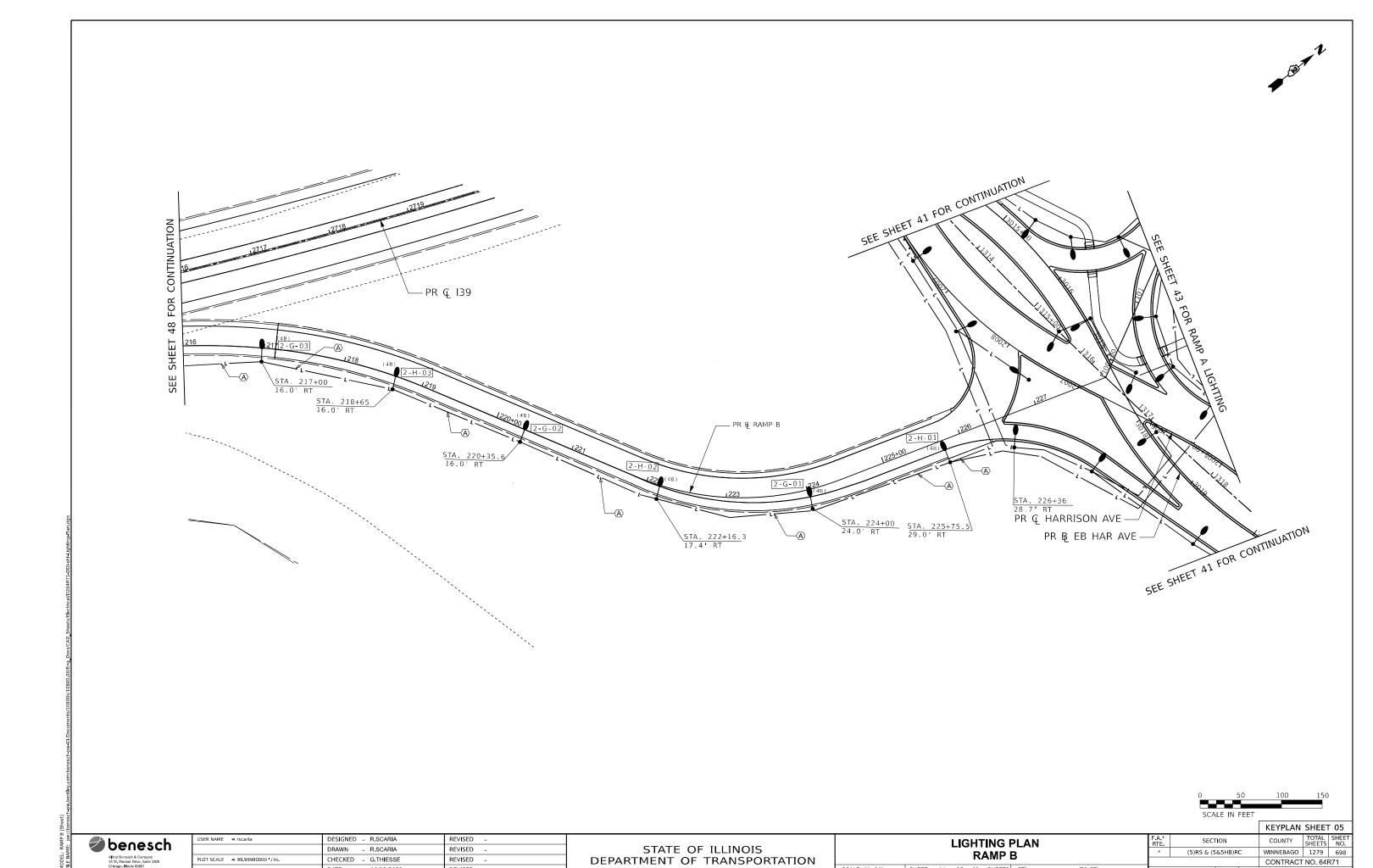
PLOT DATE = 10/12/2023

REVISED -

- 10/13/2023

CONTRACT NO. 64R71 TO STA.

SCALE: 1"=20' SHEET 43 OF 63 SHEETS STA.

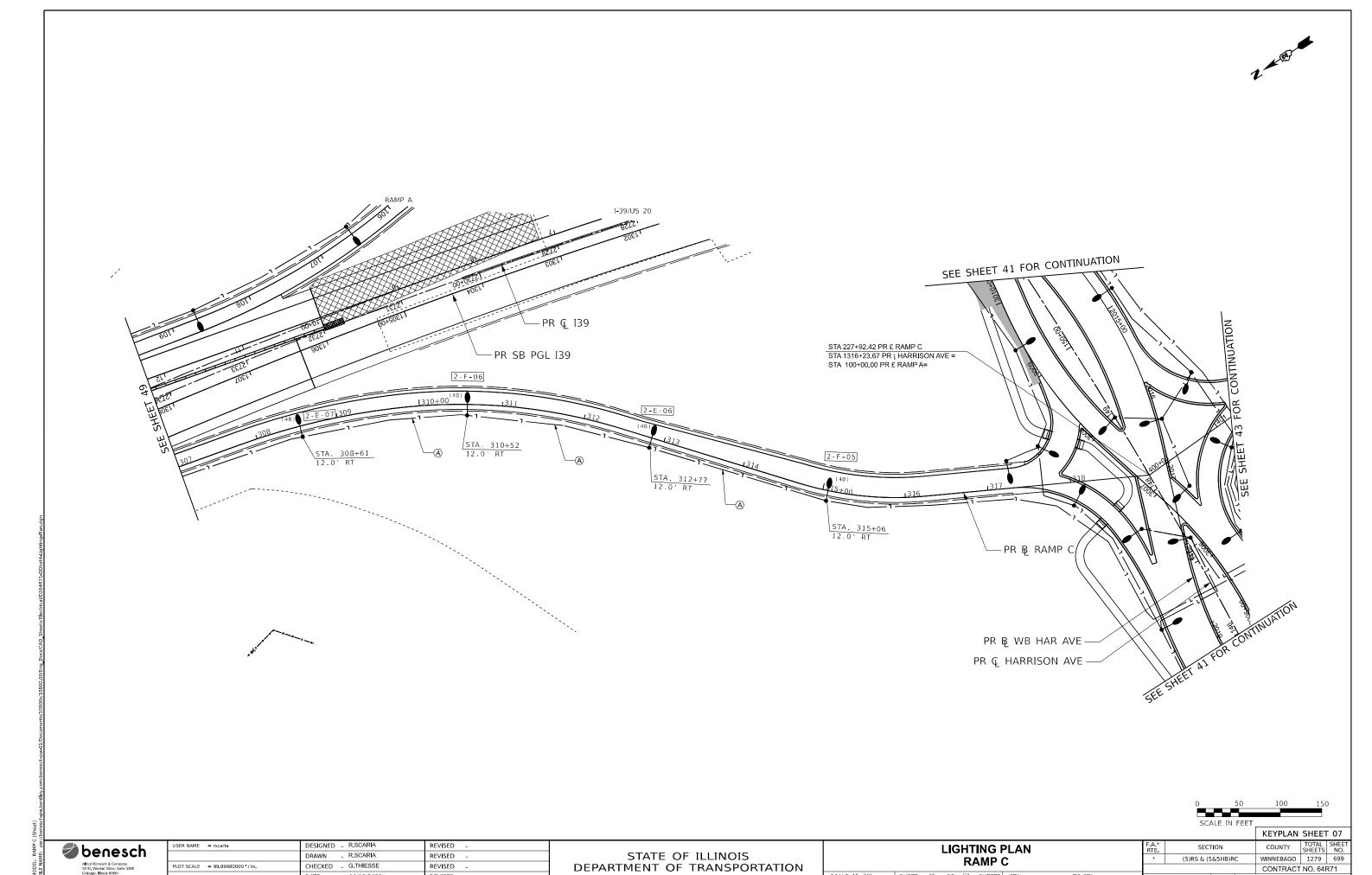


PLOT DATE = 10/11/2023

REVISED -

* FAI ROUTE 39 (I-39) & FAP ROUTE 525 (US 20)

SCALE: 1"=20' SHEET 44 OF 63 SHEETS STA.



PLOT DATE = 10/12/2023

- 10/13/2023

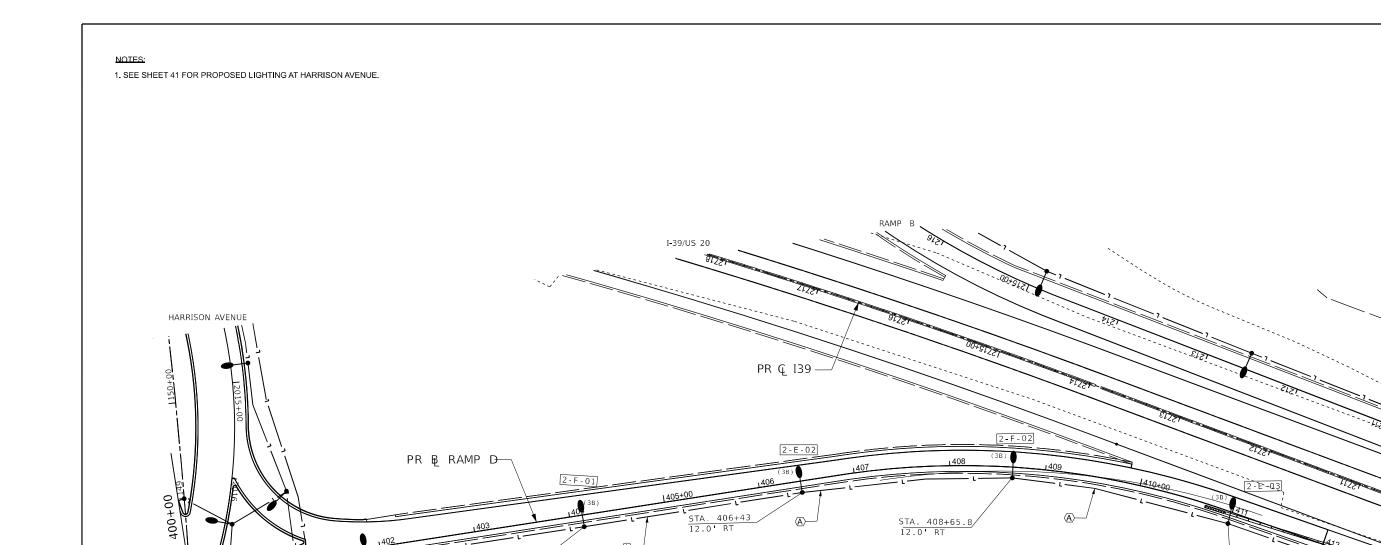
REVISED -

CONTRACT NO. 64R71

TO STA. | ILLINOIS | FED. AID PROJECT

* FAI ROUTE 39 (I-39) & FAP ROUTE 525 (US 20)

SCALE: 1"=20' SHEET 45 OF 63 SHEETS STA.





KEYPLANSHEET09COUNTYTOTAL SHEETSHEET NO.WINNEBAGO1279700

CONTRACT NO. 64R71

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ben	esch
Afred Benesch &	Company
35 W, Wacker Dri	ve, Suite 3300
Chicago, Illinois 6	0601
312-565-0450	Job No. 10800.00

MATCHLINE STA.

OSER IN THE TOTAL IS	DESIGNED	NEVISED -
	DRAWN - R.SCARIA	REVISED -
PLOT SCALE = 99.99980000 '/in.	CHECKED - G.THIESSE	REVISED -
PLOT DATE = 10/11/2023	DATE - 10/13/2023	REVISED -

STA. 404+13 12.0' RT

RAMP BD

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN								F.A.* SECTION			
RAMP D									* (5)RS & (5&5HB)RC		
IVAIIII D											
SCALE: 1"=20'	SHEET	46	OF	63	SHEETS	STA.	TO STA.			ILLINOIS	FED. A