NOTES

1. SEE GENERAL PAVEMENT MARKING AND SIGNING NOTES ON SHEET SPM-16.
2. MEDIAN CURB MARKINGS SHALL BE APPLIED IN ACCORDANCE WITH THE MEDIAN CURB PAVEMENT MARKING DETAIL ON SHEET SPM-17. THIS WORK WILL BE MEASURED AND PAID FOR SEPARATELY UNDER THE ITEM MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS.
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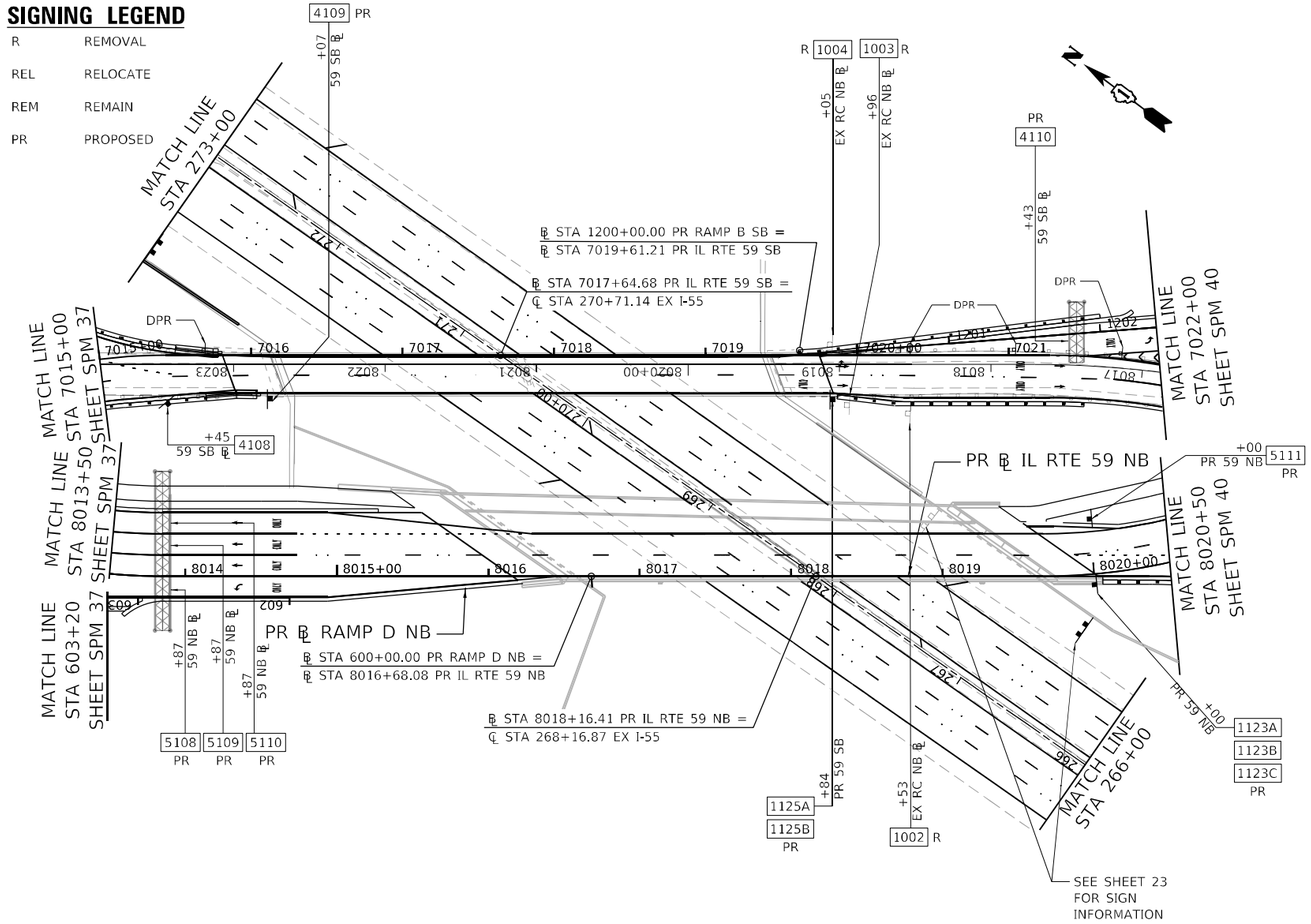
4. CURB REFLECTORS SHALL BE PLACED IN ACCORDANCE WITH DETAIL A ON SHEET SPM-16. ALL CURB REFLECTOR COLORS SHALL MATCH THE COLOR OF THE PAVEMENT MARKING LINE ADJACENT TO THE CURB REFLECTOR.
5. CURB MARKINGS SHALL BE OMITTED ON ALL THE DIVERGING DIAMOND INTERCHANGE CHANNELIZING ISLANDS.

SIGNING LEGEND

R	REMOVAL
REL	RELOCATE
REM	REMAIN
PR	PROPOSED



1002 R — W1-1aR 48"X48" B/Y

1003 R — OM3L 12"X36"

1004 R — OM3R 12"X36"

R3-9cP 29X12 B/W
M3-1 30X15 B/W
M1-I100 36X36 B/W

1123A PR
1123B PR
1123C PR — BEGIN NORTH ILLINOIS 59

1125A PR
1125B PR — END ILLINOIS 59

R3-9dP 29X12 B/W
M1-I100 36X36 B/W

4108 PR — ONE WAY — R6-1L 54X18 B/W

4109 PR — SPEED LIMIT 30 — R2-1 30X36 B/W

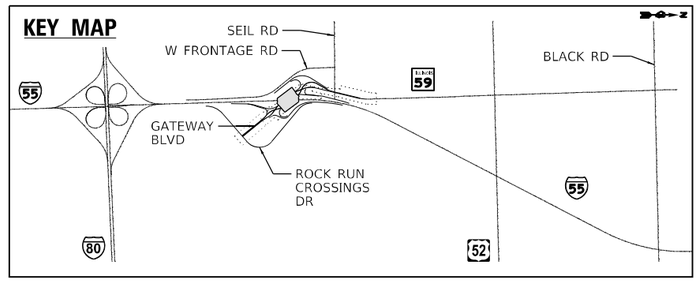
4110 PR — 55 NORTH Chicago — 162X90 W/G

5108 PR — 55 SOUTH Bloomington — 198X90 W/G

5109 PR — Seil Road — 126X108 W/G

5110 PR — ILLINOIS 59 NORTH — 216X132 W/G

5111 PR — SPEED LIMIT 30 — R2-1 30X36 B/W



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Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - IHUSSAINI	REVISED -	
	DRAWN - JNAKAWATASE	REVISED -	
PLOT SCALE = 1200.0000 ' / ft.	CHECKED - JTOBERGTE	REVISED -	
PLOT DATE = 5/3/2022	DATE - 05/03/2022	REVISED -	

D162H15-sht-sign-59-003.dgn
55432
2012/11/30

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN IL RTE 59 – III
I–55 AT IL RTE 59 INTERCHANGE

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	801
SPM39		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

NOTES

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SIGNING LEGEND

R	REMOVAL
REL	RELOCATE
REM	REMAIN
PR	PROPOSED

4111A PR
4111B PR
4111C PR
M3-1 24X12 W/BL
M1-1 24X24 W/BL
M6-2L 21X15 W/BL

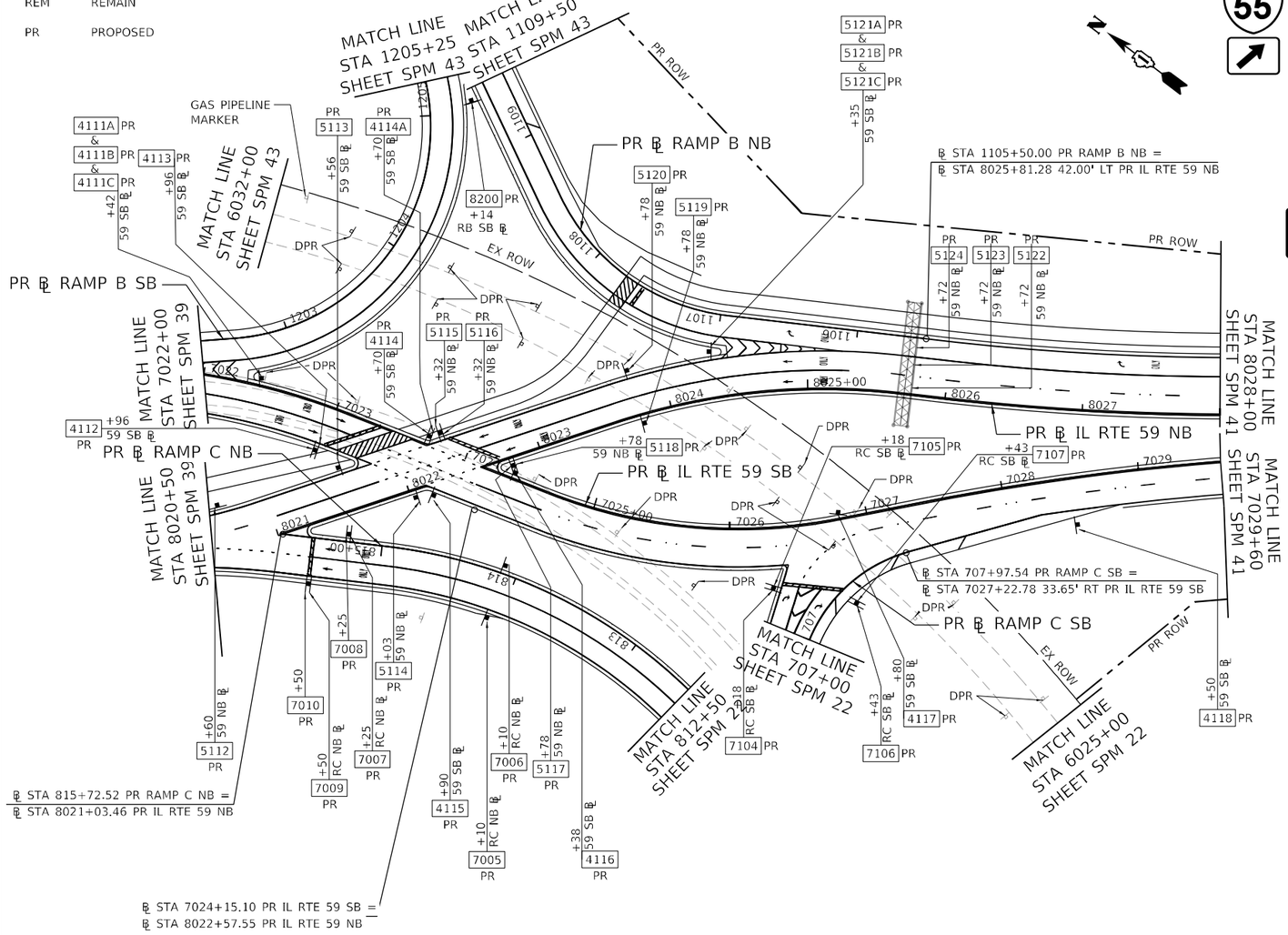
4112 PR — R3-4 36X36 R+B/W
4113 PR — R5-1 36X36 R/W
4114 PR — R3-2 36X36 R+B/W
4114A PR — R5-1 36X36 R/W
4115 PR — R3-3 24X24 B/W
4116 PR — R4-7 24X30 B/W
4117 PR — R6-1R 54X18 B/W
4118 PR — R2-1 30X36 B/W
5112 PR — R6-1R 54X18 B/W
5113 PR — R4-8 24X30 B/W
5114 PR — R3-3 24X24 B/W
5115 PR — R5-1 36X36 R/W
5116 PR — R3-2 36X36 R+B/W
5117 PR — R5-1 36X36 R/W
5118 PR — R3-4 36X36 R+B/W

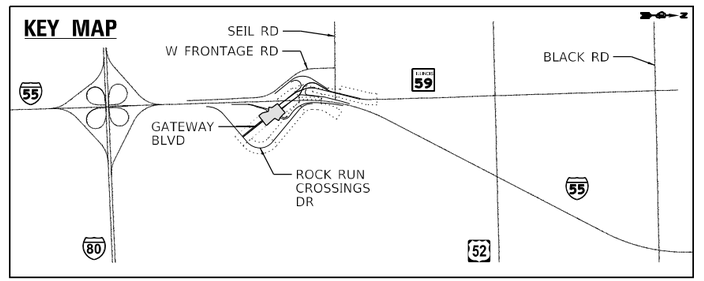
5118 PR — R5-1 36X36 R/W
5119 PR — R5-1a 42X30 W/R
5120 PR — R5-1a 42X30 W/R
5121A PR
5121B PR
5121C PR
M3-1 24X12 W/BL
M1-1 24X24 W/BL
M6-2R 21X15 W/BL

5122 PR — SOUTH 55 Bloomington LEFT LANE — 162X108 W/G
5123 PR — ILLINOIS 59 NORTH — 216X132 W/G
5124 PR — 55 NORTH Chicago — 162X90 W/G

7005 PR — R5-1a 42X30 W/R
7006 PR — R5-1a 42X30 W/R
7007 PR — R6-2L 36X48 B/W
7008 PR — R5-1 36X36 W/R
7009 PR — R6-2L 36X48 B/W
7010 PR — R5-1 36X36 W/R
7104 PR — R6-2R 36X48 B/W
7105 PR — R5-1 36X36 W/R
7106 PR — R6-2R 36X48 B/W
7107 PR — R5-1 36X36 W/R

8200 PR — W4-3R 36X36 B/Y





0 50 100 150
SCALE IN FEET

USER NAME = dwojcik	DESIGNED - IHUSSAINI	REVISED -	
	DRAWN - JNAKAWATASE	REVISED -	
PLOT SCALE = 1200.0000 ' / ft.	CHECKED - JTOBERGTE	REVISED -	
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN IL RTE 59 – IV
I–55 AT IL RTE 59 INTERCHANGE

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	802
SPM40		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS FED. AID PROJECT			

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D162H15-sht-sign-59-003A.dgn
55432
2012/11/30

NOTES

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SIGNING LEGEND

R	REMOVAL
REL	RELOCATE
REM	REMAIN
PR	PROPOSED

5125 PR — SPEED LIMIT 30 — R2-1 30x36 B/W

5126 PR — SPEED LIMIT 30 — R2-1 30x36 B/W

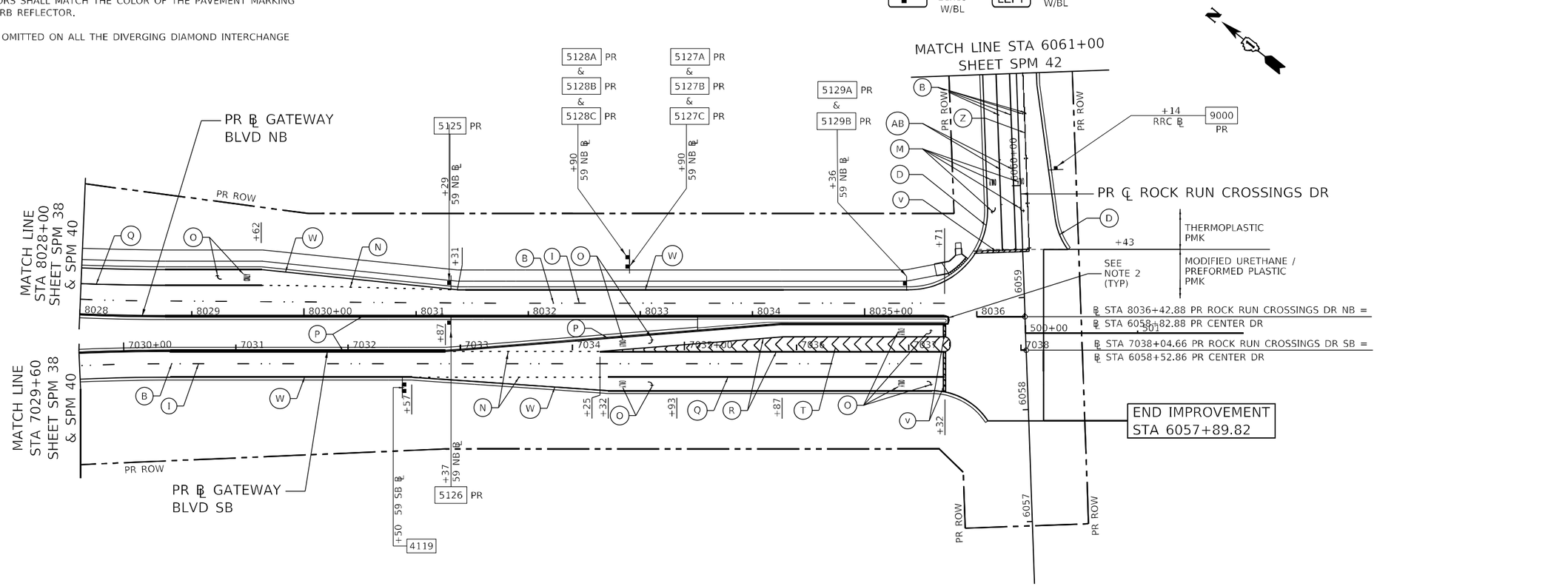
5127A PR, 5127B PR, 5127C PR — NORTH INTERSTATE 55 — M3-3 24X12 W/BL; M1-1 24x24 W/BL; M5-2R 21x15 W/BL

5128A PR, 5128B PR, 5128C PR — SOUTH INTERSTATE 55 — M3-1 24X12 W/BL; M1-1 24x24 W/BL; KEEP LEFT 24X24 W/BL

5129A PR, 5129B PR — JCT INTERSTATE 55 — M2-1 30x21 W/BL; M1-1 36x36 W/BL

4119 PR — Rock Run Crossings Dr — D3-2 127x18 W/G

9000 PR — W1-2L 30X30 B/Y



PAVEMENT MARKING LEGEND

(A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (WHITE 10'-30' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 6"

(B) RAISED REFLECTIVE PAVEMENT MARKER

(C) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)

(D) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)

(E) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE)

(F) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' SPACING)

(G) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS) SPACING SHOWN IN PLANS

(H) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 8" (WHITE 3'-9' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 9"

(I) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - CONTRAST - LINE 8" (WHITE/BLACK 10'-30' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 9"

(J) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 10'-30' SKIP LINE)

(K) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (YELLOW 2'-6' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 5"

(L) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (WHITE 2'-6' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 5"

(M) THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)

(N) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 6" (WHITE 2'-6' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 7"

(O) MODIFIED URETHANE PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)

(P) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID)

(Q) MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (WHITE SOLID)

(R) MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (WHITE SOLID)

(S) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS) SPACING SHOWN IN PLANS

(T) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° CHEVRONS @ 10' SPACING)

(U) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° CROSSWALKS)

(V) MODIFIED URETHANE PAVEMENT MARKING - LINE 24" (WHITE STOP BARS)

(W) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE SOLID)

(X) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS)

(Y) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)

(Z) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)

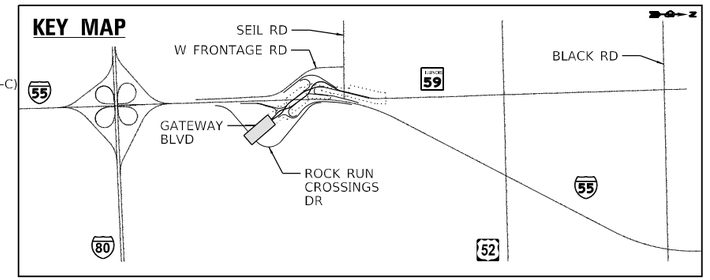
(AA) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE 2'-6' SKIP LINE)

(AB) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)

(AC) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS @ 75' SPACING, 5 MIN)

(AD) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS) SPACING SHOWN IN PLANS

KEY MAP



0 50 100 150
SCALE IN FEET

Accurate GROUP INC.	USER NAME = dwojcik	DESIGNED - IHUSSAINI	REVISED -
		DRAWN - JNAKAWATASE	REVISED -
	PLOT SCALE = 1200.0000 ' / in.	CHECKED - JTOBERGTE	REVISED -
	PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN IL RTE 59 – IV
I-55 AT IL RTE 59 INTERCHANGE

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	2018-075-R	WILL	1510	803
SPM41		CONTRACT NO. 62H15		
" FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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D162H15-sht-pmk-59-004.dgn
55432
2012/11/30

NOTES

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SIGNING LEGEND

R	REMOVAL
REL	RELOCATE
REM	REMAIN
PR	PROPOSED

9000A
PR

R2-1
30x36
B/W

PAVEMENT MARKING LEGEND

- (A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (WHITE 10'-30' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 6"
- (B) RAISED REFLECTIVE PAVEMENT MARKER
- (C) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- (D) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- (E) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- (F) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' SPACING)
- (G) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS) SPACING SHOWN IN PLANS
- (H) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 8" (WHITE 3'-9' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 9"
- (I) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - CONTRAST - LINE 8" (WHITE/BLACK 10'-30' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 9"
- (J) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 10'-30' SKIP LINE)
- (K) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (YELLOW 2'-6' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 5"
- (L) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (WHITE 2'-6' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 5"
- (M) THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)
- (N) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 6" (WHITE 2'-6' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 7"
- (O) MODIFIED URETHANE PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)
- (P) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID)
- (Q) MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (WHITE SOLID)
- (R) MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (WHITE SOLID)
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- (T) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° CHEVRONS @ 10' SPACING)
- (U) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° CROSSWALKS)
- (V) MODIFIED URETHANE PAVEMENT MARKING - LINE 24" (WHITE STOP BARS)
- (W) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE SOLID)
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- (Y) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
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- (AB) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- (AC) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS @ 75' SPACING, 5 MIN)
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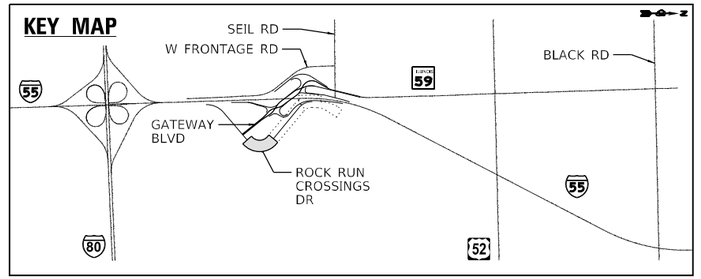
KEY MAP



0 50 100 150
SCALE IN FEET

USER NAME = dwojcik	DESIGNED - IHUSSAINI	REVISED -	
	DRAWN - JNAKAWATASE	REVISED -	
PLOT SCALE = 1200.0000 ' / ft.	CHECKED - JTOBERGTE	REVISED -	
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
ROCK RUN CROSSING DR – I
I–55 AT IL RTE 59 INTERCHANGE

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	804
SPM42		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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D162H15-shtpmk-Center-001.dgn
55432
2012/11/30

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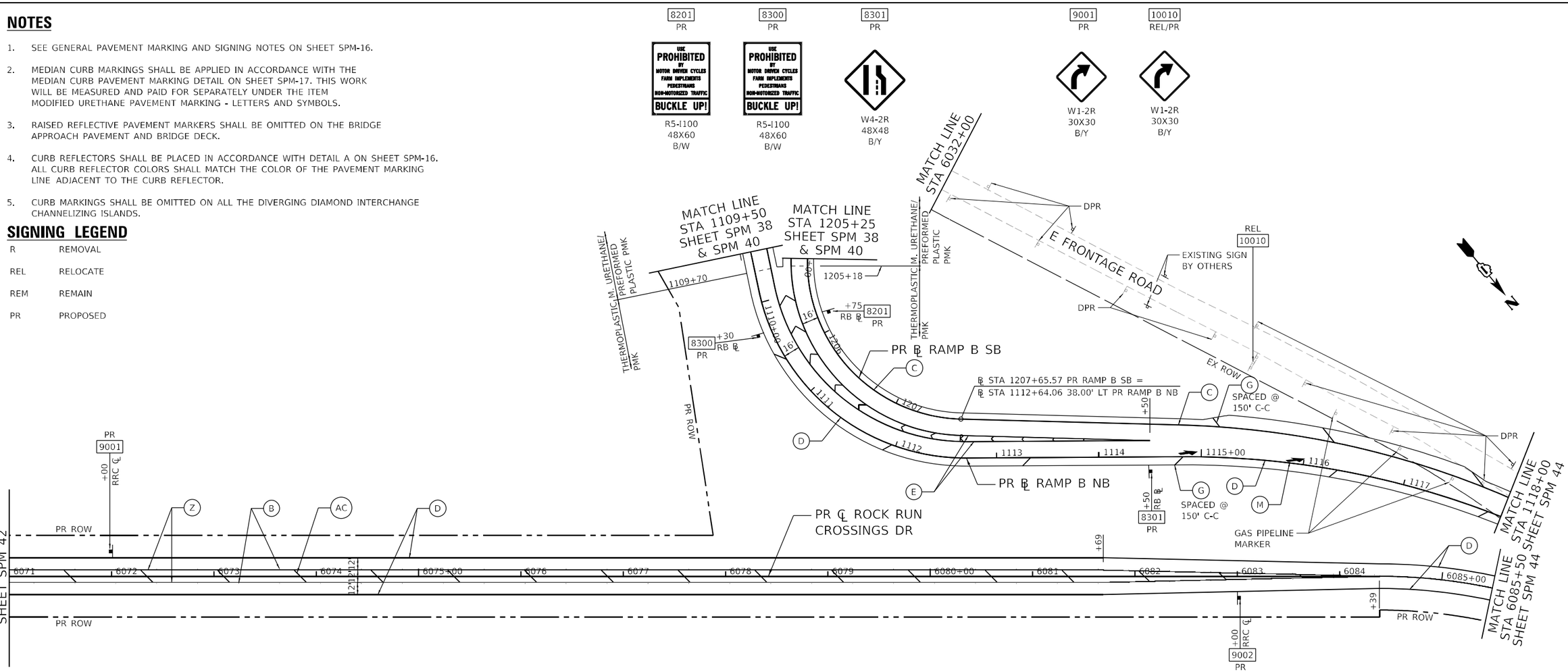
SIGNING LEGEND

R	REMOVAL
REL	RELOCATE
REM	REMAIN
PR	PROPOSED



PAVEMENT MARKING LEGEND

- (A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (WHITE 10'-30' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 6"
- (B) RAISED REFLECTIVE PAVEMENT MARKER
- (C) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
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- (E) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- (F) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' SPACING)
- (G) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS) SPACING SHOWN IN PLANS
- (H) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 8" (WHITE 3'-9' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 9"
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- (J) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 10'-30' SKIP LINE)
- (K) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (YELLOW 2'-6' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 5"
- (L) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (WHITE 2'-6' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 5"
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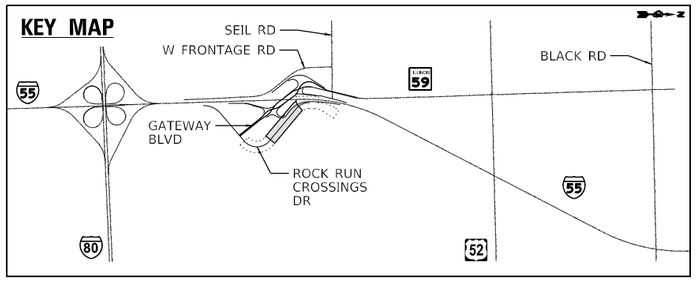
- (T) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° CHEVRONS @ 10' SPACING)
- (U) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° CROSSWALKS)
- (V) MODIFIED URETHANE PAVEMENT MARKING - LINE 24" (WHITE STOP BARS)
- (W) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE SOLID)
- (X) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS)
- (Y) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
- (Z) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
- (AA) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE 2'-6' SKIP LINE)
- (AB) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- (AC) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS @ 75' SPACING, 5 MIN)
- (AD) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS) SPACING SHOWN IN PLANS



0 50 100 150
SCALE IN FEET

Accurate GROUP INC.

USER NAME = dwojcik	DESIGNED - IHUSSAINI	REVISED -	
	DRAWN - JNAKAWATASE	REVISED -	
PLOT SCALE = 1200.0000 ' / ft.	CHECKED - JTOBERGTE	REVISED -	
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
ROCK RUN CROSSINGS DR – II
I–55 AT IL RTE 59 INTERCHANGE

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.I./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	805
SPM43		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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D162H15-sht-pmk-Center-002.dgn
55432
2012/11/30

9003A PR
9000B PR
W2-3 30X30 B/Y
COUNTY FARM RD
W16-8P 42x8 B/Y

9002 PR
W1-2L 30X30 B/Y

9004 PR
SPEED LIMIT 25
R2-1 30x36 B/W

10009 R
W2-4 30X30 B/Y

10008 R
DEAD END
W14-1 30X30 B/Y

9005A PR
9005B PR
STOP
ALL WAY
R1-1 36X36 W/R
R1-3P 30X18 W/R

10007 REL/PR
W1-7 48X24 B/Y

9006A PR
9006B PR
STOP
ALL WAY
R1-1 36X36 W/R
R1-3P 30X18 W/R

10006 REL/PR
11001 PR
STOP
ALL WAY
R1-1 36X36 W/R
R1-3P 30X18 W/R

10005 REL/PR
W1-2L 36X36 B/Y

10004A
10004B
10004C REM
ADOPT-A-HIGHWAY AVAILABLE www.adopt.illinois.gov
CLEAN UP CREW WORKING
I1-I107a 30X36 B/Y
I1-I107b 30X18 B/Y
FOLDING 36X36 B/O

10006 REL
STOP
R1-1 36X36 W/R

NOTES

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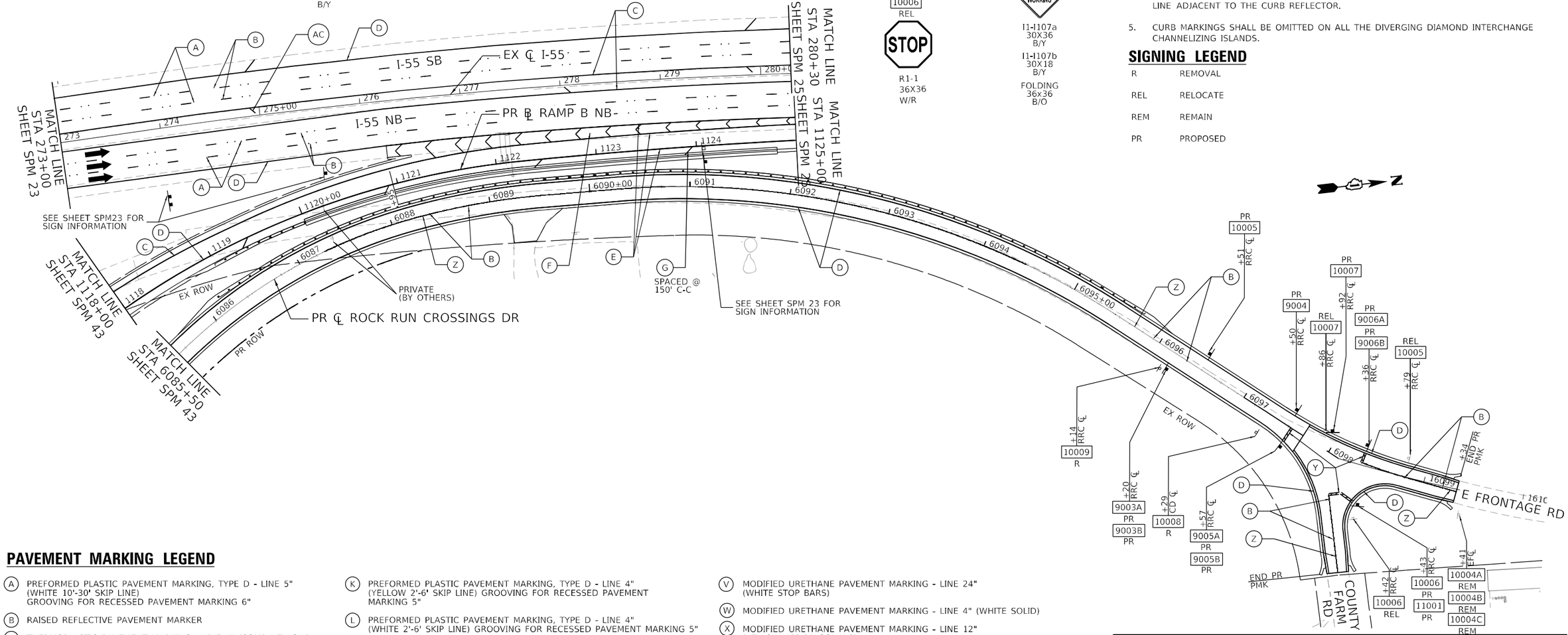
4. CURB REFLECTORS SHALL BE PLACED IN ACCORDANCE WITH DETAIL A ON SHEET SPM-16. ALL CURB REFLECTOR COLORS SHALL MATCH THE COLOR OF THE PAVEMENT MARKING LINE ADJACENT TO THE CURB REFLECTOR.
5. CURB MARKINGS SHALL BE OMITTED ON ALL THE DIVERGING DIAMOND INTERCHANGE CHANNELIZING ISLANDS.

SIGNING LEGEND

R	REMOVAL
REL	RELOCATE
REM	REMAIN
PR	PROPOSED



PAVEMENT MARKING LEGEND

- (A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (WHITE 10'-30' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 6"
- (B) RAISED REFLECTIVE PAVEMENT MARKER
- (C) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- (D) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- (E) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- (F) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' SPACING)
- (G) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS) SPACING SHOWN IN PLANS
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- (M) THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)
- (N) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 6" (WHITE 2'-6' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 7"
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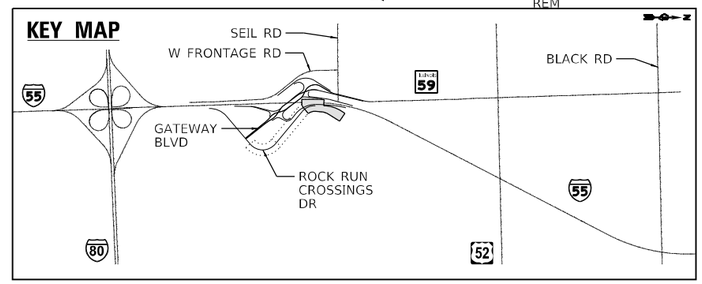
0 50 100 150
SCALE IN FEET

KEY MAP



Accurate GROUP INC.

USER NAME = dwojcik	DESIGNED - IHUSSAINI	REVISED -	
	DRAWN - JNAKAWATASE	REVISED -	
PLOT SCALE = 1200.0000 ' / in.	CHECKED - JTOBERGTE	REVISED -	
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
ROCK RUN CROSSINGS DR – III
I-55 AT IL RTE 59 INTERCHANGE

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2018-075-R	WILL	1510	806
SPM44		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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D162H15-sht-pmk-Center-003.dgn
55432
2012/11/30

NOTES

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SIGNING LEGEND

R	REMOVAL
REL	RELOCATE
REM	REMAIN
PR	PROPOSED
PR	PROPOSED

4007A PR & 4007B PR & 4007C PR — NORTH INTERSTATE 55 KEEP LEFT — M3-1 24X12 W/BL; M1-1 24X24 W/BL; 24X24 W/BL

4008A PR & 4008B PR & 4008C PR — SOUTH INTERSTATE 55 RIGHT LANE — M3-3 24X12 W/BL; M1-1 24X24 W/BL; M5-6 24X24 W/BL

1128A REL & 1128B REL — SOUTH INTERSTATE 55 — M3-3 30X15 W/BL; M1-1 36X36 W/BL

4009 PR — RIGHT LANE MUST EXIT — R3-33 48X24 B/W

1129 REL/PR — USE PROHIBITED BY MOTOR DRIVEN CYCLES FARM IMPLEMENTS PEDESTRIANS NON-MOTORIZED TRAFFIC; BUCKLE UP! — R5-1100 48X60 B/W

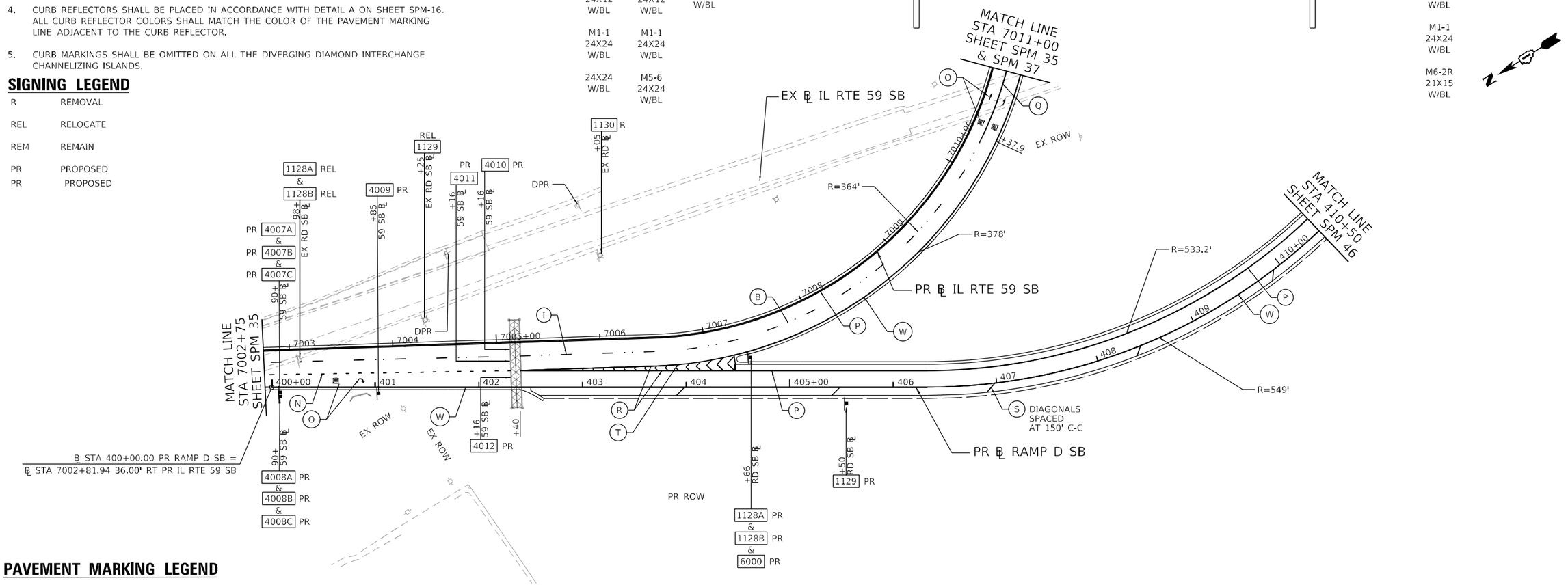
4010 PR — NORTH 55 Chicago LEFT LANE — 126X108 W/G

4011 PR — END 59 Gateway Blvd TO Olympic Blvd — 216X138 W/G

4012 PR — SOUTH 55 Bloomington EXIT ONLY — 180X126 W/G

1130 — RAMP 45 MPH — W13-3 48X60 B/Y

1128A PR & 1128B PR & 6000 PR — SOUTH INTERSTATE 55 — M3-3 24X12 W/BL; M1-1 24X24 W/BL; M6-2R 21X15 W/BL



PAVEMENT MARKING LEGEND

- (A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (WHITE 10'-30' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 6"
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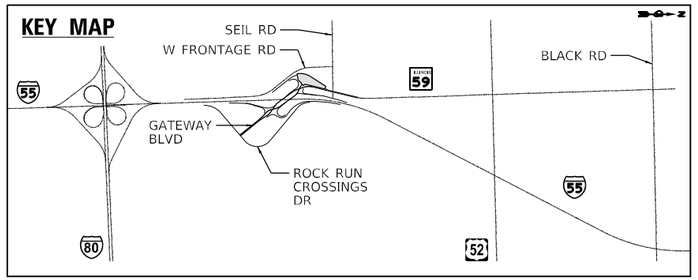

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SCALE IN FEET

USER NAME = dwojcik	DESIGNED - IHUSSAINI	REVISED -	
	DRAWN - JNAKAWATASE	REVISED -	
PLOT SCALE = 1200.0000 ' / ft.	CHECKED - JTOBERGTE	REVISED -	
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -	

Accurate GROUP, INC.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN RAMP D SB – I
I–55 AT IL RTE 59 INTERCHANGE

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	807
SPM45		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS FED. AID PROJECT			

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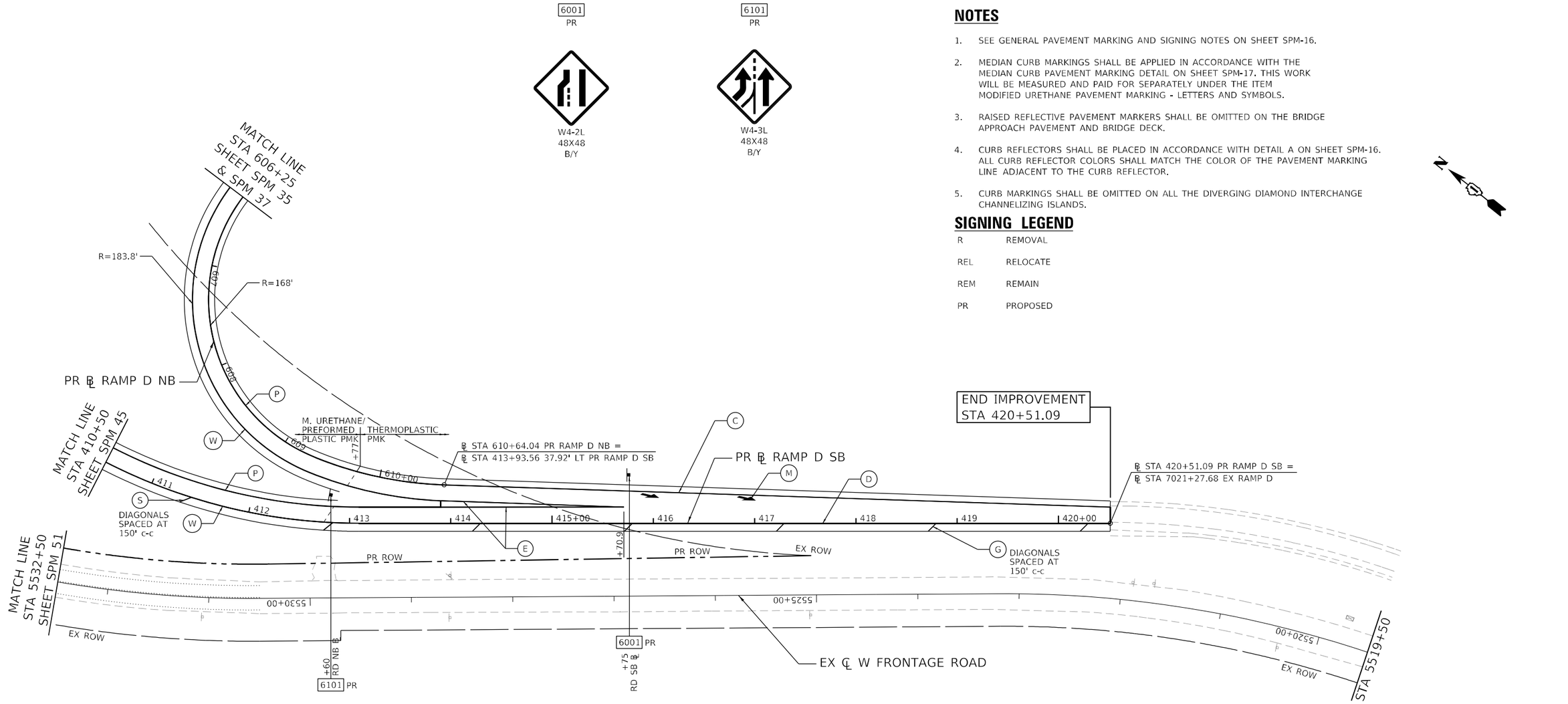
55432
2012/11/30



NOTES

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SIGNING LEGEND

R	REMOVAL
REL	RELOCATE
REM	REMAIN
PR	PROPOSED

PAVEMENT MARKING LEGEND

- (A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (WHITE 10'-30' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 6"
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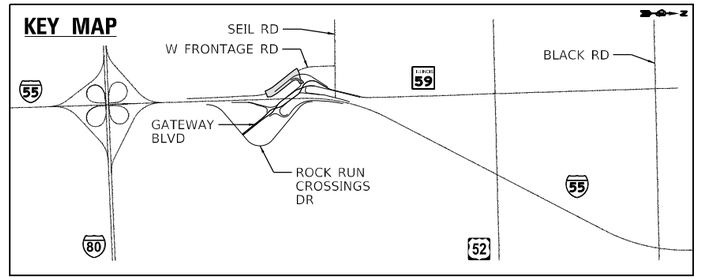

0 50 100 150
SCALE IN FEET

USER NAME = dwojcik	DESIGNED - IHUSSAINI	REVISED -	
	DRAWN - JNAKAWATASE	REVISED -	
PLOT SCALE = 1200.0000 ' / ft.	CHECKED - THOMASMILLER	REVISED -	
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN RAMP D SB – II
I–55 AT IL RTE 59 INTERCHANGE

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	808
SPM46		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS FED. AID PROJECT			

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D162H15-sht-pmk-Ramps-002.dgn
55432
2012/11/30

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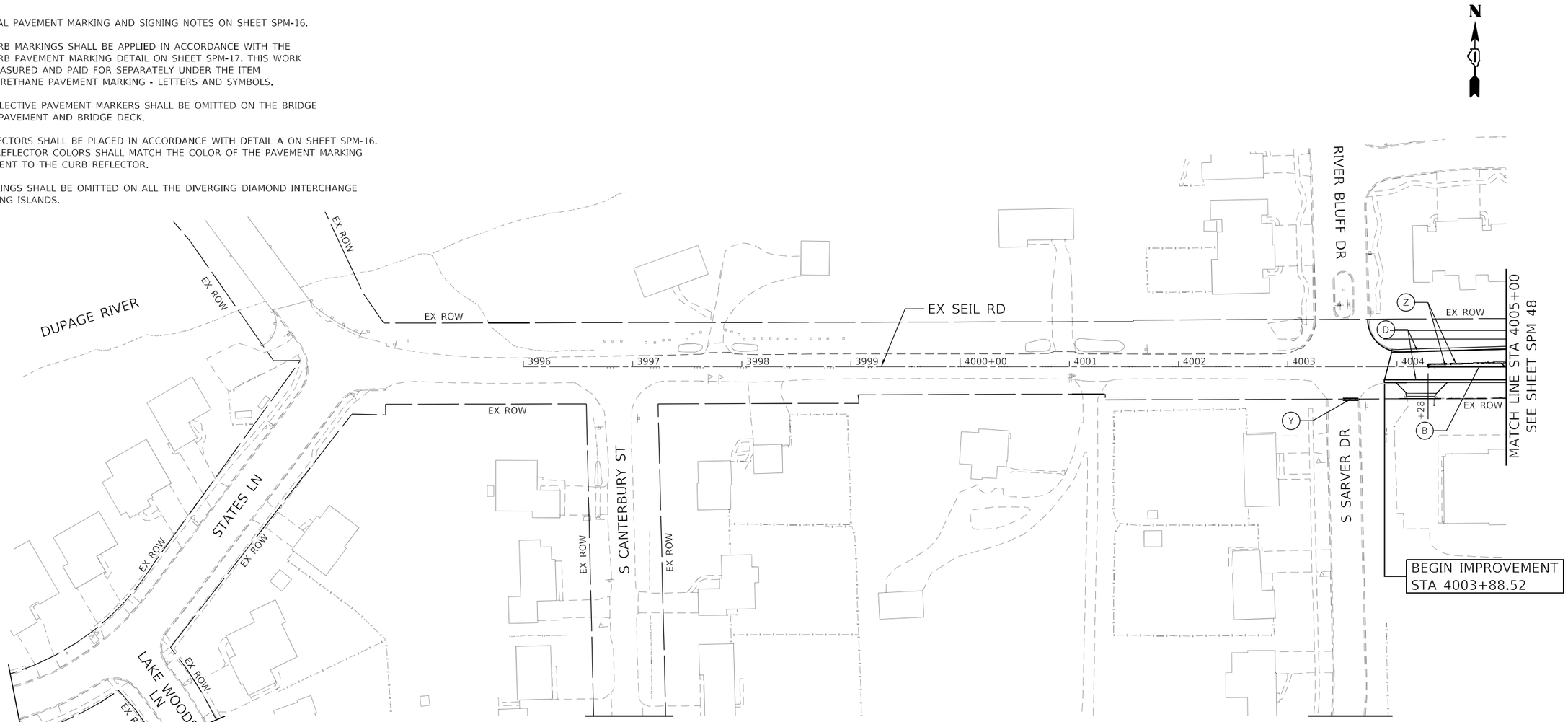

PAVEMENT MARKING LEGEND

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- (G) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS) SPACING SHOWN IN PLANS
- (H) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 8" (WHITE 3'-9' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 9"
- (I) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - CONTRAST - LINE 8" (WHITE/BLACK 10'-30' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 9"
- (J) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 10'-30' SKIP LINE)
- (K) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (YELLOW 2'-6' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 5"
- (L) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (WHITE 2'-6' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 5"
- (M) THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)
- (N) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 6" (WHITE 2'-6' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 7"
- (O) MODIFIED URETHANE PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)
- (P) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID)
- (Q) MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (WHITE SOLID)
- (R) MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (WHITE SOLID)
- (S) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS) SPACING SHOWN IN PLANS
- (T) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° CHEVRONS @ 10' SPACING)
- (U) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° CROSSWALKS)
- (V) MODIFIED URETHANE PAVEMENT MARKING - LINE 24" (WHITE STOP BARS)
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- (Z) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
- (AA) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE 2'-6' SKIP LINE)
- (AB) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- (AC) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS @ 75' SPACING, 5 MIN)
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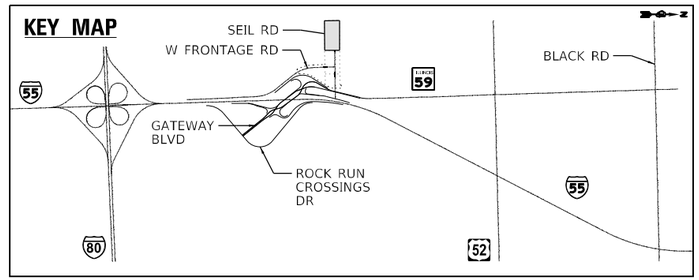

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SCALE IN FEET

Accurate GROUP, INC.	USER NAME = dwojcik	DESIGNED - ABEE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLAN SEIL RD – I I – 55 AT IL RTE 59 INTERCHANGE
		DRAWN - JNAKAWATASE	REVISED -		
	PLOT SCALE = 1200.0000 ' / ft.	CHECKED - JTOBERGTE	REVISED -		
	PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -		SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	809
SPM47		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS FED. AID PROJECT			

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D162H15-sht-pmk-Seil-001.dgn
55432
2012/11/30

NOTES

1. SEE GENERAL PAVEMENT MARKING AND SIGNING NOTES ON SHEET SPM-16.
2. MEDIAN CURB MARKINGS SHALL BE APPLIED IN ACCORDANCE WITH THE MEDIAN CURB PAVEMENT MARKING DETAIL ON SHEET SPM-17. THIS WORK WILL BE MEASURED AND PAID FOR SEPARATELY UNDER THE ITEM MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS.
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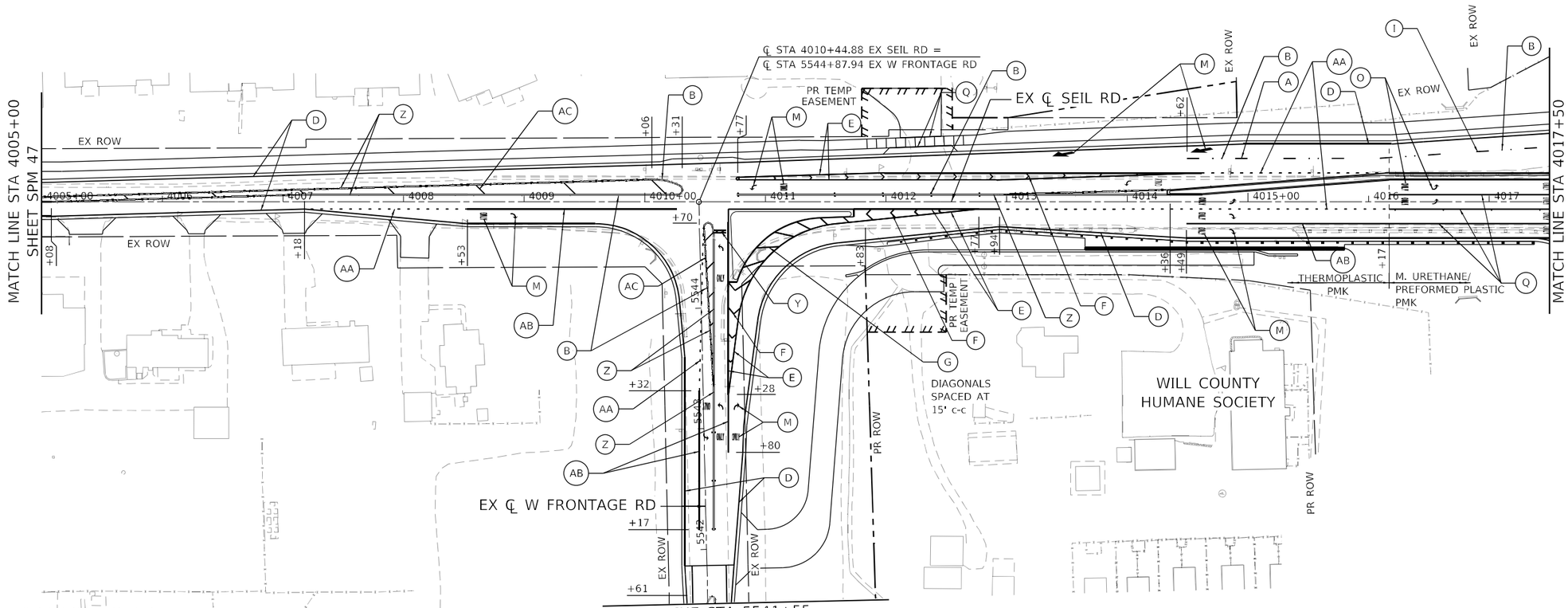
4. CURB REFLECTORS SHALL BE PLACED IN ACCORDANCE WITH DETAIL A ON SHEET SPM-16. ALL CURB REFLECTOR COLORS SHALL MATCH THE COLOR OF THE PAVEMENT MARKING LINE ADJACENT TO THE CURB REFLECTOR.
5. CURB MARKINGS SHALL BE OMITTED ON ALL THE DIVERGING DIAMOND INTERCHANGE CHANNELIZING ISLANDS.



PAVEMENT MARKING LEGEND

- (A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (WHITE 10'-30' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 6"
- (B) RAISED REFLECTIVE PAVEMENT MARKER
- (C) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- (D) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- (E) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- (F) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' SPACING)
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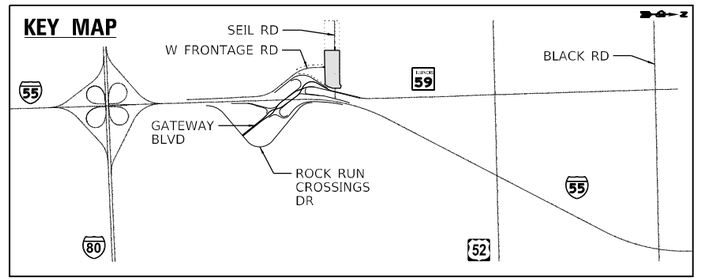

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SCALE IN FEET

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Accurate GROUP, INC.	USER NAME = dwojcik	DESIGNED - ABEE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN SEIL RD – II I – 55 AT IL RTE 59 INTERCHANGE
		DRAWN - JNAKAWATASE	REVISED -		
	PLOT SCALE = 1200.0000 ' / ft.	CHECKED - JTOBERGTE	REVISED -		
	PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -		SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	810
SPM48		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS FED. AID PROJECT			

MODEL: Default
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D162H15-sht-pmk-Seil-002.dgn
55432
2012/11/30

NOTES

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2. MEDIAN CURB MARKINGS SHALL BE APPLIED IN ACCORDANCE WITH THE MEDIAN CURB PAVEMENT MARKING DETAIL ON SHEET SPM-17. THIS WORK WILL BE MEASURED AND PAID FOR SEPARATELY UNDER THE ITEM MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS.
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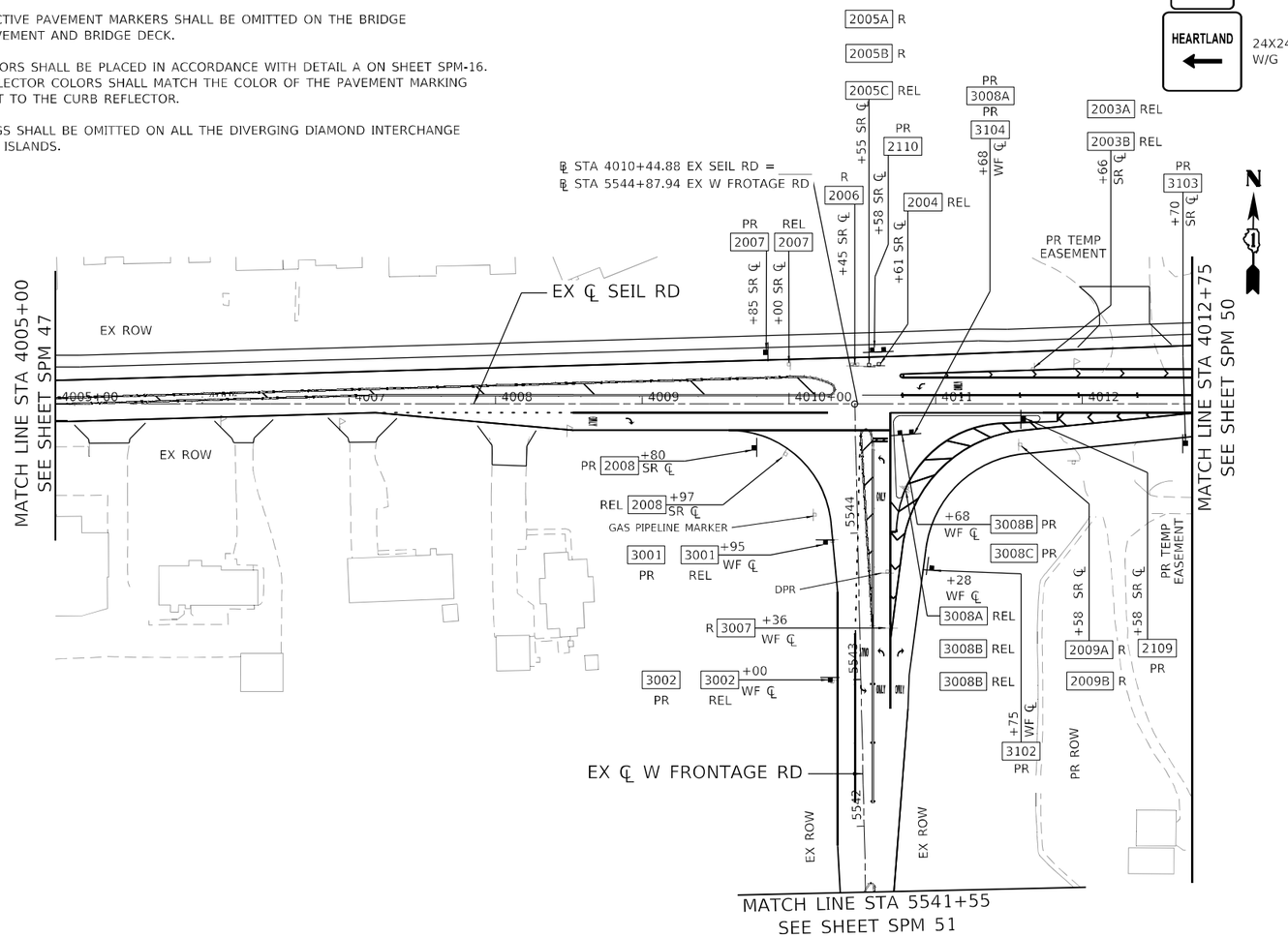
SIGNING LEGEND

R	REMOVAL
REL	RELOCATE
REM	REMAIN
PR	PROPOSED



2003A REL
2003B REL
FRONTAGE ROAD — 18X24 W/G
HEARTLAND — 24X24 W/G

2004 REL — M6-1 21X15 B/W

2005A R
2005B R
2005C REL — TO / INTERSTATE 55 — M4-5 30X15 W/BL; M1-1 36X36 W/BL; M6-1 21X15 W/BL

2006 R — W1-7 48X24 B/Y

2007 REL/PR — R5-2 36X36 R+B/W

2008 REL/PR — Leisure Lake MEMBERSHIP RESORT THIS WAY — 24X18 BL+OR/W

2009A R
2009B R — W3-3 36X36 B/Y; W16-8P 36X9 B/Y; IL RTE 59

2109 PR — W4-1R 36X36 B/Y

2110 PR — W1-6L 48X24 B/Y

3001 REL/PR — NO PARKING STOPPING OR STANDING — 18X24 R/W

3002 REL — SPEED LIMIT 35 — R2-1 24X30 B/W

3007 R — NO PARKING STOPPING OR STANDING — 18X24 R/W

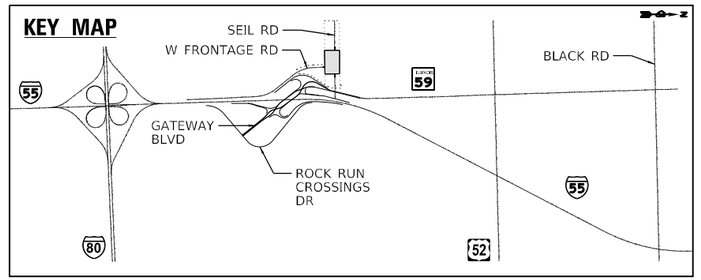
3008B REL/PR
3008C REL/PR — STOP — R1-1 36X36 W/R; CROSS TRAFFIC DOES NOT STOP BOTH DIRECTIONS — W4-4P 30x18 B/W

3102 PR — W3-2 36X36 B/Y

3103 PR — YIELD — R1-2 36X36x36 R/W

3008A REL/PR
3104 PR — Seil Rd 36X12 W/G; ONLY — R3-5L 30X36 B/W

KEY MAP



0 50 100 150
SCALE IN FEET

USER NAME = dwojcik	DESIGNED - DHEYDEN	REVISED -	
	DRAWN - JNAKAWATASE	REVISED -	
PLOT SCALE = 1200.0000 ' / ft.	CHECKED - JTOBERGTE	REVISED -	
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN SEIL ROAD – I
I–55 AT IL RTE 59 INTERCHANGE

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	811
SPM49		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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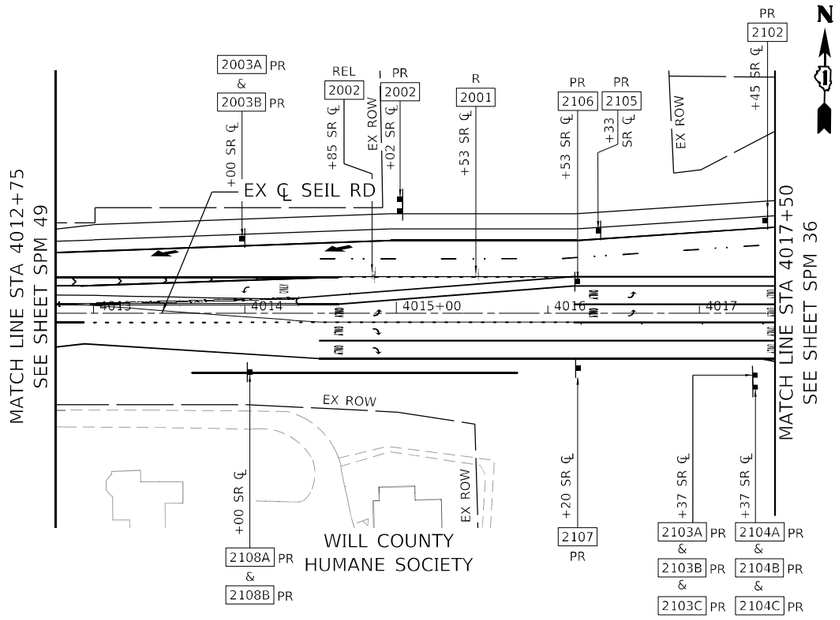
D162H15-sht-sign-Seil-002.dgn
55432
2012/11/30



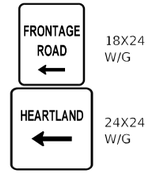
2001 R

R2-1
24X30
B/W

2002 REL/PR

48X48
B/Y

2003A PR & 2003B PR



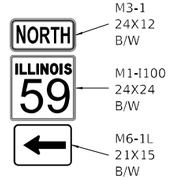
18X24
W/G

24X24
W/G

2102 PR

R2-1
30X36
B/W

2103A PR & 2103B PR & 2103C PR

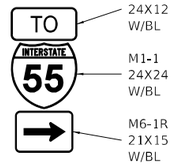


M3-1
24X12
B/W

M1-I100
24X24
B/W

M6-1L
21X15
B/W

2104A PR & 2104B PR & 2104C PR



M4-5
24X12
W/BL

M1-1
24X24
W/BL

M6-1R
21X15
W/BL

2105 PR

W4-2R
30X30
B/Y

2106 PR

R3-8L
30X30
B/W

2107 PR

R3-8R
36X30
B/W

2108A PR & 2108B PR

M2-1
21X15
B/W

M1-I100
24X24
B/W

NOTES

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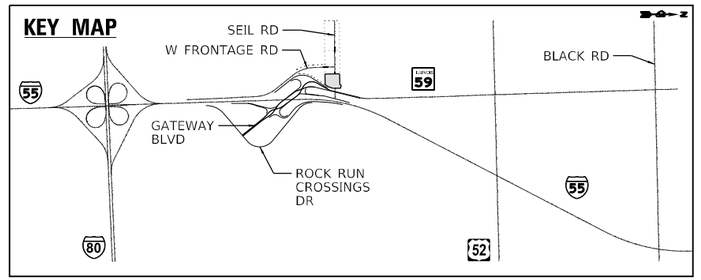
SIGNING LEGEND

R	REMOVAL
REL	RELOCATE
REM	REMAIN
PR	PROPOSED

KEY MAP



0 50 100 150
SCALE IN FEET

USER NAME = dwojcik	DESIGNED - DHEYDEN	REVISED -	
	DRAWN - JNAKAWATASE	REVISED -	
PLOT SCALE = 1200.0000 ' / ft.	CHECKED - JTOBERGTE	REVISED -	
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN SEIL ROAD – II
I–55 AT IL RTE 59 INTERCHANGE

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
=	2018-075-R	WILL	1510	812
SPM50		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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D162H15-sht-sign-Seil-002A.dgn
55432
2012/11/30

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SIGNING LEGEND

R	REMOVAL
REL	RELOCATE
REM	REMAIN
PR	PROPOSED

3003 REM — NO PARKING STOPPING OR STANDING — 18X24 R/W

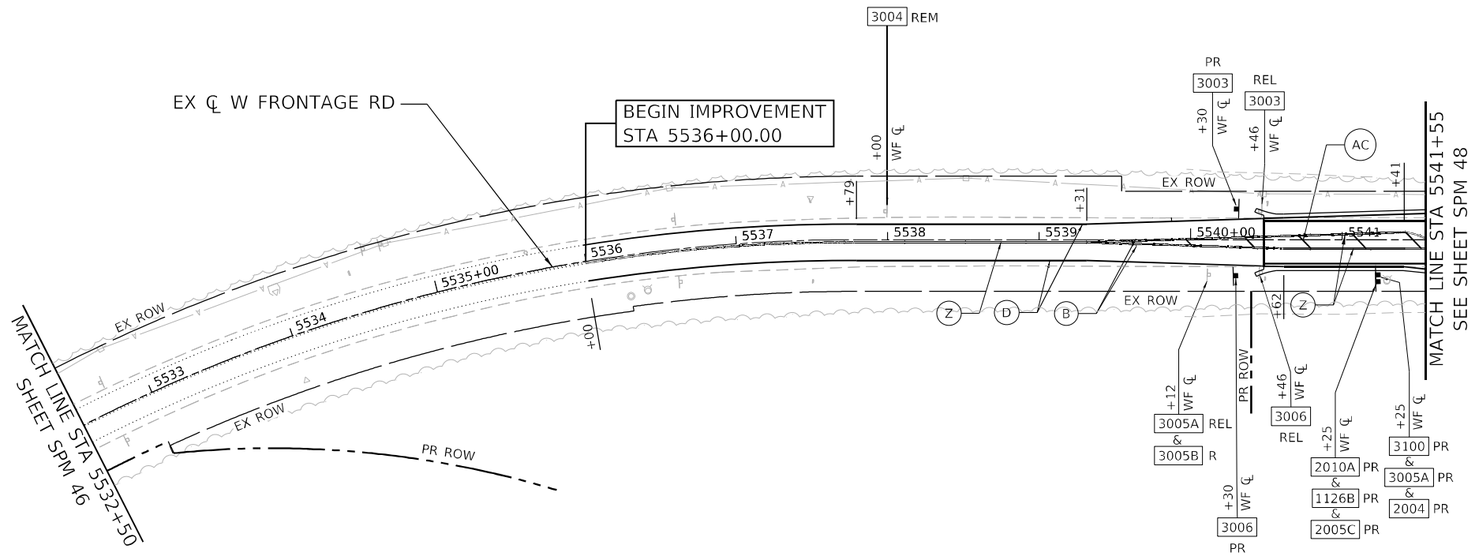
3004 REM — W1-4L 30X30 B/Y

3006 REM — NO PARKING STOPPING OR STANDING — 18X24 R/W

3005B R — M5-1R 21X15 B/W

3100 PR
3005A REL/PR
2004 PR
TO — M4-5 24X12 B/W
ILLINOIS 59 — M1-I100 24X24 B/W
M6-1 21X15 B/W

2010A PR
1126B PR
2005C PR
TO — M4-5 24X12 W/BL
INTERSTATE 55 — M1-1 24X24 W/BL
M6-1 21X15 W/BL



PAVEMENT MARKING LEGEND

(A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (WHITE 10'-30' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 6"

(B) RAISED REFLECTIVE PAVEMENT MARKER

(C) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)

(D) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)

(E) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE)

(F) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' SPACING)

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(K) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (YELLOW 2'-6' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 5"

(L) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (WHITE 2'-6' SKIP LINE) GROOVING FOR RECESSED PAVEMENT MARKING 5"

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(AC) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS @ 75' SPACING, 5 MIN)

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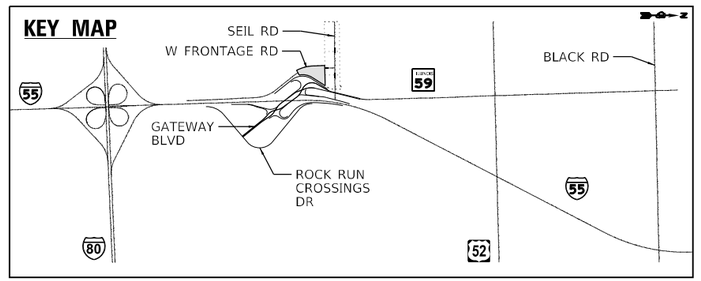

0 50 100 150
SCALE IN FEET

Accurate GROUP, INC.	USER NAME = dwojcik	DESIGNED - IHUSSAINI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLAN SEIL RD – III I–55 AT IL RTE 59 INTERCHANGE
		DRAWN - JNAKAWATASE	REVISED -		
	PLOT SCALE = 1200.0000 ' / ft.	CHECKED - THOMASMILLER	REVISED -		
	PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -		SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	813
SPM51		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\107005\10740.00\Eng_Docs_Phase II\Pvmt_Mkg_Sign_Accurate\Sheets\D162H15-sht-pmk-Seil-003.dgn

D162H15-sht-pmk-Seil-003.dgn
55432
2012/11/30

SIGN DETAIL

1:75

SIGN NUMBER	4
WIDTH x HGHT.	17'-6" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-1100a	0	49.4	70.5	36	36

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	X	I	T																LENGTH	SERIES/SIZE
112.6	121.7	132.9	137.1																31.9	EM 2000 10
2	5	1																		EM 2000
159.5	174.9	190.5																	35.6	15
N	O	R	T	H																EM 2000
100.4	115.7	128.7	139.7	150.7															60.1	15,12
G	a	t	e	w	a	y		B	l	v	d									EM 2000
18.4	34.8	50.1	62.1	75.9	95.4	110.6	124.2	140.2	157.6	165.5	181								173.1	16/12
1	M	I	L	E																EM 2000
78.6	98.1	110.2	115	124															52.8	15,10

SIGN DETAIL

1:75

SIGN NUMBER	5
WIDTH x HGHT.	13'-0" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	27.7	70.5	36	36

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	X	I	T																LENGTH	SERIES/SIZE
31.1	40.2	51.4	55.6																31.9	EM 2000 10
2	5	0	B																	EM 2000
78	93.5	108.8	128.9																63	15
W	E	S	T																	EM 2000
78.7	96.8	107.9	119.4																49.5	15,12
I	o	w	a																	EM 2000
52.3	59.5	73.6	93.1																51.4	16/12
1/2	M	I	L	E																EM 2000
42.9	79.8	91.9	96.7	105.7															70.3	15,10

SIGN DETAIL

1:75

SIGN NUMBER	6
WIDTH x HGHT.	14'-6" x 10'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	16.5	45	36	36
AR_Type A	315	129.5	35	22.2	35.6

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	X	I	T																LENGTH	SERIES/SIZE
46.1	55.2	66.4	70.6																31.9	EM 2000 10
2	5	0	A																	EM 2000
93	108.5	123.8	143.9																66	15
E	A	S	T																	EM 2000
67.5	80.2	94.1	105.7																47	15,12
I	n	d	i	a	n	a														EM 2000
19.4	28	43.5	60.5	68.6	85.6	101.1													92.3	16/12

SIGN DETAIL

1:75

SIGN NUMBER	15
WIDTH x HGHT.	14'-0" x 15'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	66	99.5	36	36

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	X	I	T																LENGTH	SERIES/SIZE
64	73.1	84.3	88.5																31.9	EM 2000 10
2	5	3																		EM 2000
110.9	126.3	140.9																	42.2	15
S	h	o	r	e	w	o	o	d												EM 2000
17.8	35.9	51.4	67	77.4	91.2	110.7	125.1	139.5											132.3	16/12
J	o	l	i	e	t															EM 2000
48	64.2	80	89.6	97.8	111.7														72	16/12
2	M	I	L	E	S															EM 2000
48.8	76	88.1	92.9	101.9	111.1														70.4	15,10

MODEL: Default
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Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -	
	DRAWN - JNAKAWATASE	REVISED -	
PLOT SCALE = 240.0005 ft / ft.	CHECKED - JTOBERGTE	REVISED -	
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS - I
I-55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 1 OF 14 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	814
SPM52		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

D162H15-sht-Sign Panels Details.dgn
55432
2012/11/30

SIGN DETAIL

1:75

SIGN NUMBER	16
WIDTH x HGHT.	17'-6" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-1100a	0	49.4	70.5	36	36

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																			LENGTH	SERIES:SIZE
E	X	I	T																	EM 2000
112.6	121.7	132.9	137.1																31.9	10
2	5	1																		EM 2000
159.5	174.9	190.5																	35.6	15
N	O	R	T	H																EM 2000
100.4	115.7	128.7	139.7	150.7															60.1	15,12
G	a	t	e	w	a	y		B	l	v	d									EM 2000
18.4	34.8	50.1	62.1	75.9	95.4	110.6	124.2	140.2	157.6	165.5	181								173.1	16/12
1/2	M	I	L	E																EM 2000
69.9	106.8	118.9	123.7	132.7															70.3	15,10

SIGN DETAIL

1:50

SIGN NUMBER	17
WIDTH x HGHT.	13'-6" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																			LENGTH	SERIES:SIZE
S	h	o	r	e	w	o	o	d												EM 2000
14.8	32.8	48.3	64.1	74.5	88.3	107.8	122.2	136.6											132.3	16/12
P	l	a	i	n	f	i	e	l	d											EM 2000
20.5	37.3	45.5	62.4	72	87.4	99.1	107.2	122.8	130.9										121	16/12
E	X	I	T																	EM 2000
39.8	48.9	60.1	64.3																31.9	10
2	5	1																		EM 2000
86.7	102.1	117.7																	35.6	15

MODEL: DETAILS 2
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Accurate GROUP, INC.	USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
		DRAWN - JNAKAWATASE	REVISED -
	PLOT SCALE = 240.0005 ft / ft.	CHECKED - JTOBERGTE	REVISED -
	PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – II
I-55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 2 OF 14 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	815
SPM53		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

D162H15-sht-Sign Panels Details.dgn
55432
2012/11/30

SIGN DETAIL
1:75

Panel Style: guide_IDOT_fwy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	19				
WIDTH x HGHT.	46'-6" x 14'-6"				
BORDER WIDTH	2"				
CORNER RADIUS	12"				
MOUNTING	Overhead				
BACKGROUND	TYPE: ZZ Sheeting				
	COLOR: Green				
LEGEND/BORDER	TYPE: ZZ Sheeting				
	COLOR: White/White				

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	111.4	123	36	36
M1-1100a	0	389.4	123	36	36
AR_THRU	0	18	14	21	66
AR_THRU	0	162	14	21	66
AR_THRU_RIGHT	0	306	14	56	66
AR_RIGHT_ONLY	0	456.6	14	36.2	45

LETTER POSITIONS (X)

																																LENGTH	SERIES-SIZE
E	X	I	T																														EM 2000
24.8	33.9	45.1	49.3																													31.9	10
2	5	1																															EM 2000
71.7	87.1	102.7																														35.5	15
N	O	R	T	H																													EM 2000
162.4	177.8	190.8	201.8	212.9																												60.2	15,12
N	O	R	T	H																													EM 2000
440.4	455.8	468.8	479.8	490.9																												60.2	15,12
C	h	i	c	a	g	o																											EM 2000
117.7	135.2	152.1	160.3	174.4	189.9	205.4																										98.6	16/12
G	a	t	e	w	a	y		B	l	v	d																					EM 2000
358.4	374.8	390.1	402.1	415.9	435.4	450.6	464.2	480.2	497.6	505.5	521																					173.1	16/12
E	X	I	T																														EM 2000
394.3	405.5	419.5	424.9																													39.5	12
O	N	L	Y																														EM 2000
483.6	496.4	509.2	519.2																													47.8	12

Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
	DRAWN - JNAKAWATASE	REVISED -
PLOT SCALE = 240.0005 ft / ft.	CHECKED - JTOBERGTE	REVISED -
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – IIa
I-55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 3 OF 14 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	816
SPM54		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS FED. AID PROJECT			

D162H15-sht-Sign Panels Details.dgn
55432
2012/11/30

SIGN DETAIL
1:75

Panel Style: guide_IDOT_fwy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	27					
WIDTH x HGHT.	46'-6" x 14'-6"					
BORDER WIDTH	2"					
CORNER RADIUS	12"					
MOUNTING	Overhead					
BACKGROUND	TYPE: ZZ Sheeting					
	COLOR: Green					
LEGEND/BORDER	TYPE: ZZ Sheeting					
	COLOR: White/White					

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	111.4	123	36	36
M1-1100a	0	389.4	123	36	36
AR_THRU	0	18	14	21	66
AR_THRU	0	162	14	21	66
AR_THRU_RIGHT	0	306	14	56	66
AR_RIGHT_ONLY	0	456.6	14	36.2	45

LETTER POSITIONS (X)

																																	LENGTH	SERIES-SIZE
E	X	I	T																															EM 2000
24.8	33.9	45.1	49.3																														31.9	10
2	5	1																																EM 2000
71.7	87.1	102.7																															35.5	15
N	O	R	T	H																														EM 2000
162.4	177.8	190.8	201.8	212.9																													60.2	15,12
N	O	R	T	H																														EM 2000
440.4	455.8	468.8	479.8	490.9																													60.2	15,12
C	h	i	c	a	g	o																												EM 2000
117.7	135.2	152.1	160.3	174.4	189.9	205.4																											98.6	16/12
G	a	t	e	w	a	y		B	l	v	d																						EM 2000
358.4	374.8	390.1	402.1	415.9	435.4	450.6	464.2	480.2	497.6	505.5	521																						173.1	16/12
E	X	I	T																															EM 2000
394.3	405.5	419.5	424.9																														39.5	12
O	N	L	Y																															EM 2000
483.6	496.4	509.2	519.2																														47.8	12

Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DETAILS – IIb I-55 AT IL RTE 59 INTERCHANGE	
	DRAWN - JNAKAWATASE	REVISED -			
PLOT SCALE = 240.0005 ft / ft.	CHECKED - JTOBERGTE	REVISED -			
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -		SCALE:	SHEET 4 OF 14 SHEETS STA. TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	817
SPM55		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS FED. AID PROJECT			

D162H15-sht-Sign Panels Details.dgn
55432
2012/11/30

SIGN DETAIL

1:25

SIGN NUMBER	30
WIDTH x HGHT.	8'-0" x 5'-0"
BORDER WIDTH	1.5"
CORNER RADIUS	6"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type A	315	67	6	18.3	29.3

Panel Style: guide_exp_gore_I_2012.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	X	I	T																LENGTH	SERIES/SIZE
24.5	37.2	53.3	60.6																44.9	EM 2000 12
2	5	1																		EM 2000
12.2	30.7	49.4																	42.7	18

SIGN DETAIL

1:15

SIGN NUMBER	31
WIDTH x HGHT.	5'-6" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	1.88"
MOUNTING	Ground
BACKGROUND	TYPE: AP Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: AP Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Street name_IDOT.ssi
Dimensions are in inches,tenths

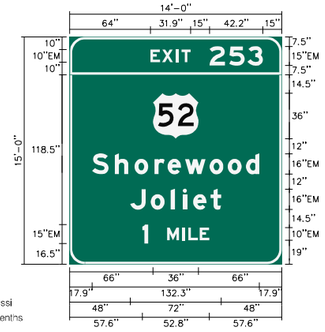
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

I	L	R	t	e	5	9	LENGTH	SERIES/SIZE
7.5	10.7	23.6	29.6	33.3	46	53.1	51.1	D 2000 8,8/6

SIGN DETAIL

1:75



SIGN NUMBER	33
WIDTH x HGHT.	14'-0" x 15'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	66	99.5	36	36

Panel Style: guide_IDOT_fwy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	X	I	T																LENGTH	SERIES/SIZE
64	73.1	84.3	88.5																31.9	EM 2000 10
2	5	3																		EM 2000
110.9	126.3	140.9																	42.2	15
S	h	o	r	e	w	o	o	d												EM 2000
17.9	35.8	51.3	67.1	77.5	91.3	110.8	125.2	139.6											132.3	16/12
J	o	l	i	e	t															EM 2000
48	64.2	80	89.6	97.8	111.7														72	16/12
1	M	I	L	E																EM 2000
57.6	77.1	89.2	94	103															52.8	15,10

SIGN DETAIL

1:100

SIGN NUMBER	46
WIDTH x HGHT.	15'-0" x 18'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green/Yellow
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/Black

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	72	134.5	36	36
ARDOWN	0	73	8	32	22

Panel Style: guide_IDOT_fwy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	X	I	T																LENGTH	SERIES/SIZE
76	85.1	96.3	100.5																31.9	EM 2000 10
2	5	3																		EM 2000
122.9	138.3	152.9																	42.2	15
S	h	o	r	e	w	o	o	d												EM 2000
23.8	41.8	57.3	73.1	83.5	97.3	116.8	131.2	145.6											132.3	16/12
J	o	l	i	e	t															EM 2000
54	70.2	86	95.6	103.8	117.7														72	16/12
1/2	M	I	L	E																EM 2000
54.9	91.8	103.9	108.7	117.7															70.3	15,10
E	X	I	T																	EM 2000
18.5	29.7	43.7	49.1																39.5	12
O	N	L	Y																	EM 2000
117	130	143.1	152.7																47.8	12

MODEL: DETAILS 3
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\10700s\10740.00\Eng_Docs_Phase_II\Point_Mile_Sign_Accurate\Sheets\D162H15-sht-Sign Panels Details.dgn

Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
	DRAWN - JNAKAWATASE	REVISED -
PLOT SCALE = 240.0005 ft / ft.	CHECKED - JTOBERGTE	REVISED -
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – III
I-55 AT IL RTE 59 INTERCHANGE

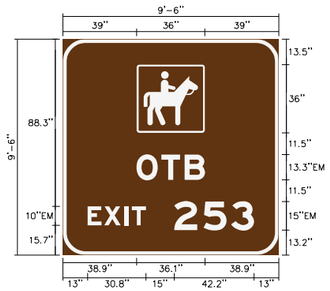
SCALE: | SHEET 5 OF 14 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	818
SPM56		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

D162H15-sht-Sign Panels Details.dgn
55432
2012/11/30

SIGN DETAIL

1:50



SIGN NUMBER	50
WIDTH x HGHT.	9'-6" x 9'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: AP Sheeting
	COLOR: Brown
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
RS-064	0	39	64.5	36	36

Panel Style: guide_twy_recreational.ssi
Dimensions are in inches,tenths

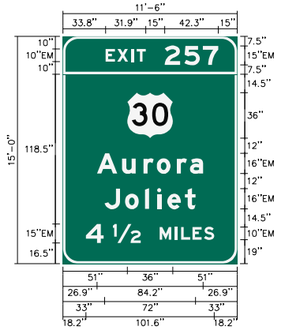
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

O	T	B																	LENGTH	SERIES/SIZE
38.9	52	64.3																	36.1	EM 2000 13.3
E	X	I	T	2	5	3														EM 2000
13	21.8	32.6	36.4	58.8	74.3	88.8													88	10,15

SIGN DETAIL

1:75



SIGN NUMBER	55
WIDTH x HGHT.	11'-6" x 15'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	51	99.5	36	36

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	X	I	T																LENGTH	SERIES/SIZE
33.8	42.9	54.1	58.3																31.9	EM 2000 10
2	5	7																		EM 2000
80.7	96.2	110.9																	42.3	15
A	u	r	o	r	a															EM 2000
26.9	46.9	63.9	74.3	90.1	100.5														84.2	16/12
J	o	l	i	e	t															EM 2000
33	49.2	65	74.6	82.8	96.7														72	16/12
4	1/2	M	I	L	E	S														EM 2000
18.2	39.6	76.6	88.7	93.5	102.5	111.7													101.6	15,10

SIGN DETAIL

1:75

SIGN NUMBER	56
WIDTH x HGHT.	14'-6" x 15'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green/Yellow
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/Black

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	69	106	36	36
AR_Type A	315	71	5	22.3	35.6

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

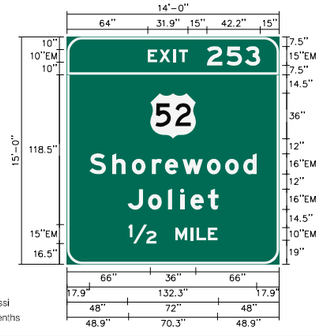
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	X	I	T																LENGTH	SERIES/SIZE
70	79.1	90.3	94.5																31.9	EM 2000 10
2	5	3																		EM 2000
116.9	132.3	146.9																	42.2	15
S	h	o	r	e	w	o	o	d												EM 2000
20.9	38.8	54.3	70.1	80.5	94.3	113.8	128.2	142.6											132.3	16/12
J	o	l	i	e	t															EM 2000
51	67.2	83	92.6	100.8	114.7														72	16/12
E	X	I	T																	EM 2000
19.5	30.7	44.7	50.1																39.5	12
O	N	L	Y																	EM 2000
111	124	137.1	146.7																47.8	12

SIGN DETAIL

1:75



SIGN NUMBER	107
WIDTH x HGHT.	14'-0" x 15'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	66	99.5	36	36

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	X	I	T																LENGTH	SERIES/SIZE
64	73.1	84.3	88.5																31.9	EM 2000 10
2	5	3																		EM 2000
110.9	126.3	140.9																	42.2	15
S	h	o	r	e	w	o	o	d												EM 2000
17.9	35.8	51.3	67.1	77.5	91.3	110.8	125.2	139.6											132.3	16/12
J	o	l	i	e	t															EM 2000
48	64.2	80	89.6	97.8	111.7														72	16/12
1/2	M	I	L	E																EM 2000
48.9	85.9	98	102.8	111.8															70.3	15,10

Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
	DRAWN - JNAKAWATASE	REVISED -
PLOT SCALE = 240.0005 ft / ft.	CHECKED - JTOBERGTE	REVISED -
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – IV
I-55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 6 OF 14 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	819
SPM57		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

MODEL: DETAILS 4
FILE NAME: pw:\\bentesch-pw.bentley.com:bentesch-pw-01\Documents\10700\s\10740,00\Eng_Docs_Phase_II\Point_Mile_Sign_Accurate\Sheets\D162H15-sht-Sign Panels Details.dgn

D162H15-sht-Sign Panels Details.dgn
55432
2012/11/30

SIGN DETAIL

1:75

SIGN NUMBER	108
WIDTH x HGHT.	17'-6" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-1100a	0	49.4	70.5	36	36

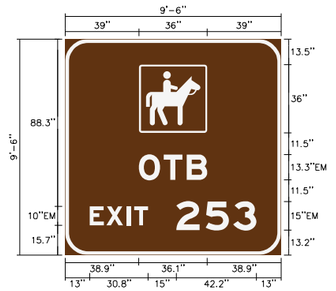
Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES,SIZE
E	X	I	T																		EM 2000
112.6	121.7	132.9	137.1																	31.9	10
2	5	1																			EM 2000
159.5	174.9	190.5																		35.6	15
N	O	R	T	H																	EM 2000
100.4	115.9	128.8	139.9	150.9																60.2	15,12
G	a	t	e	w	a	y		B	l	v	d										EM 2000
18.4	34.8	50.1	62.1	75.9	95.4	110.6	124.2	140.2	157.6	165.5	181									173.1	16/12
1	3/4	M	I	L	E	S															EM 2000
57.4	69.4	109.4	121.5	126.3	135.3	144.5														95.2	15,10

SIGN DETAIL

1:50



SIGN NUMBER	109
WIDTH x HGHT.	9'-6" x 9'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: AP Sheeting
	COLOR: Brown
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
RS-064	0	39	64.5	36	36

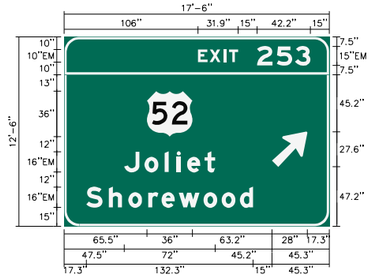
Panel Style: guide_twy_recreational.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES,SIZE
O	T	B																			EM 2000
38.9	52	64.3																		36.1	13.3
E	X	I	T	2	5	3															EM 2000
13	21.8	32.6	36.4	58.8	74.3	88.8														88	10,15

SIGN DETAIL

1:75



SIGN NUMBER	118
WIDTH x HGHT.	17'-6" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	65.5	71	36	36
AR_Type A	315	164.7	47	22.3	35.6

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES,SIZE
E	X	I	T																		EM 2000
106	115.1	126.3	130.5																	31.9	10
2	5	3																			EM 2000
152.9	168.3	182.9																		42.2	15
J	o	l	i	e	t																EM 2000
47.5	63.7	79.5	89.1	97.3	111.2															72	16/12
S	h	o	r	e	w	o	o	d													EM 2000
17.3	35.3	50.8	66.6	77	90.8	110.3	124.7	139.1												132.3	16/12

SIGN DETAIL

1:75

SIGN NUMBER	119
WIDTH x HGHT.	17'-6" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-1100a	0	49.4	70.5	36	36

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES,SIZE
E	X	I	T																		EM 2000
112.6	121.7	132.9	137.1																	31.9	10
2	5	1																			EM 2000
159.5	174.9	190.5																		35.6	15
N	O	R	T	H																	EM 2000
100.4	115.9	128.8	139.9	150.9																60.2	15,12
G	a	t	e	w	a	y		B	l	v	d										EM 2000
18.4	34.8	50.1	62.1	75.9	95.4	110.6	124.2	140.2	157.6	165.5	181									173.1	16/12
1	1/4	M	I	L	E	S															EM 2000
58.9	70.9	107.9	120	124.8	133.8	143														92.2	15,10

MODEL: DETAILS 5
FILE NAME: pw:\bbenesch-pw.bentley.com:bbenesch-pw-010\Documents\10700\a\10740,00\Eng_Docs_Phase_II\Point_Mile_Sign_Accurate\Sheets\D162H15-sht-Sign Panels Details.dgn

Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -	
	DRAWN - JNAKAWATASE	REVISED -	
PLOT SCALE = 240.0005 ft / ft.	CHECKED - JTOBERGTE	REVISED -	
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – V
I-55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 7 OF 14 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	820
SPM58		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

D162H15-sht-Sign Panels Details.dgn
55432
2012/11/30

SIGN DETAIL

1:75

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	126
WIDTH x HGHT.	17'-6" x 15'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green/Yellow
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/Black

SYMBOL	ROT	X	Y	WID	HT
M1-1100a	0	49.4	105.5	36	36
ARDOWN	0	88	8	32	22

LETTER POSITIONS (X)

																			LENGTH	SERIES/SIZE
E	X	I	T																	EM 2000
112.6	121.7	132.9	137.1																31.9	10
2	5	1																		EM 2000
159.5	174.9	190.5																	35.6	15
N	O	R	T	H																EM 2000
100.4	115.9	128.8	139.9	150.9															60.2	15,12
G	a	t	e	w	a	y		B	l	v	d									EM 2000
18.4	34.8	50.1	62.1	75.9	95.4	110.6	124.2	140.2	157.6	165.5	181								173.1	16/12
1/2	M	I	L	E																EM 2000
69.9	106.8	118.9	123.7	132.7															70.3	15,10
E	X	I	T																	EM 2000
33.5	44.7	58.7	64.1																39.5	12
O	N	L	Y																	EM 2000
132	145	158	167.6																47.8	12

SIGN DETAIL

1:75

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	127
WIDTH x HGHT.	15'-6" x 15'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	75	99.5	36	36

LETTER POSITIONS (X)

																			LENGTH	SERIES/SIZE
E	X	I	T	S																EM 2000
16.1	25.2	36.4	40.6	49.8															41.8	10
2	5	0	A	-	B															EM 2000
72.9	88.3	103.6	123.7	143.9	158.9														98.2	15
I	o	w	a																	EM 2000
67.3	74.5	88.6	108.1																51.4	16/12
I	n	d	i	a	n	a														EM 2000
46.8	55.5	71	88	96.1	113.1	128.6													92.3	16/12
2	M	I	L	E	S															EM 2000
57.8	85	97.1	101.9	110.9	120.1														70.4	15,10

SIGN DETAIL

1:75

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	131
WIDTH x HGHT.	17'-6" x 13'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green/Yellow
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/Black

SYMBOL	ROT	X	Y	WID	HT
M1-1100a	0	49.4	80	36	36
AR_Type A	315	89	5	22.6	35.6

LETTER POSITIONS (X)

																			LENGTH	SERIES/SIZE
E	X	I	T																	EM 2000
112.6	121.7	132.9	137.1																31.9	10
2	5	1																		EM 2000
159.5	174.9	190.5																	35.6	15
N	O	R	T	H																EM 2000
100.4	115.9	128.8	139.9	150.9															60.2	15,12
G	a	t	e	w	a	y		B	l	v	d									EM 2000
18.5	34.8	50.1	62.1	75.9	95.4	110.6	124.2	140.2	157.7	165.5	181								173.1	16/12
E	X	I	T																	EM 2000
37.5	48.7	62.7	68.1																39.5	12
O	N	L	Y																	EM 2000
129	142	155.1	164.7																47.8	12

SIGN DETAIL

1:75

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	132
WIDTH x HGHT.	13'-0" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	27.7	70.5	36	36

LETTER POSITIONS (X)

																			LENGTH	SERIES/SIZE
E	X	I	T																	EM 2000
31.1	40.2	51.4	55.6																31.9	10
2	5	0	B																	EM 2000
78	93.5	108.8	128.9																63	15
W	E	S	T																	EM 2000
78.7	96.9	107.9	119.4																49.6	15,12
I	o	w	a																	EM 2000
52.3	59.5	73.6	93.1																51.4	16/12
1	M	I	L	E																EM 2000
51.7	71.2	83.3	88.1	97.1															52.8	15,10

MODEL: DETAILS 6
FILE NAME: pw:\bentesch-pw.bentley.com:bentesch-pw-01\Documents\10700\a\10740,00\Eng_Docs_Phase_II\Point_Mile_Sign_Accurate\Sheets\D162H15-sht-Sign Panels Details.dgn

Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -	
	DRAWN - JNAKAWATASE	REVISED -	
PLOT SCALE = 240.0005 ft / ft.	CHECKED - JTOBERGTE	REVISED -	
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – VI
I-55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 8 OF 14 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	821
SPM59		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

D162H15-sht-Sign Panels Details.dgn
55432
2012/11/30

SIGN DETAIL

1:75

SIGN NUMBER	133
WIDTH x HGHT.	13'-0" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	29	70.5	36	36

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	X	I	T																	LENGTH	SERIES/SIZE
28.1	37.2	48.4	52.6																	31.9	EM 2000 10
2	5	0	A																		EM 2000
75	90.5	105.8	125.9																	66	15
E	A	S	T																		EM 2000
80	92.7	106.6	118.1																	47	15,12
I	n	d	i	a	n	a															EM 2000
31.8	40.5	56	73	81.1	98.1	113.6														92.3	16/12
1	1/2	M	I	L	E	S															EM 2000
31.9	43.9	80.9	93	97.8	106.8	116														92.2	15,10

SIGN DETAIL

1:25

SIGN NUMBER	136
WIDTH x HGHT.	8'-0" x 5'-0"
BORDER WIDTH	1.5"
CORNER RADIUS	6"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type A	315	67	6	18.3	29.3

Panel Style: guide_exp_gore_t_2012.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	X	I	T																	LENGTH	SERIES/SIZE
24.5	37.2	53.3	60.6																	44.9	EM 2000 12
2	5	1																			EM 2000
12.2	30.7	49.4																		42.7	18

SIGN DETAIL

1:15

SIGN NUMBER	138
WIDTH x HGHT.	5'-6" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	1.88"
MOUNTING	Ground
BACKGROUND	TYPE: AP Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: AP Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Street name_IDOT.ssi
Dimensions are in inches,tenths

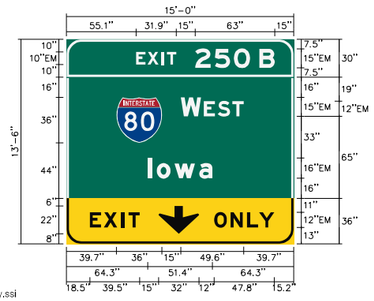
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

I	L	R	t	e	5	9														LENGTH	SERIES/SIZE
7.5	10.7	23.6	29.6	33.3	46	53.1														51.1	D 2000 8,8/6

SIGN DETAIL

1:75



SIGN NUMBER	146
WIDTH x HGHT.	15'-0" x 13'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green/Yellow
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/Black

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	39.7	80	36	36
ARDOWN	0	73	8	32	22

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	X	I	T																	LENGTH	SERIES/SIZE
55.1	64.2	75.4	79.6																	31.9	EM 2000 10
2	5	0	B																		EM 2000
102	117.5	132.8	152.9																	63	15
W	E	S	T																		EM 2000
90.7	108.9	119.9	131.4																	49.6	15,12
I	o	w	a																		EM 2000
64.3	71.5	85.6	105.1																	51.4	16/12
E	X	I	T																		EM 2000
18.5	29.7	43.7	49.1																	39.5	12
O	N	L	Y																		EM 2000
117	130	143	152.6																	47.8	12

MODEL: DETAILS 7
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\10700s\10740.00\Eng_Docs_Phase_II\Point_Mile_Sign_Accurate\Sheets\D162H15-sht-Sign Panels Details.dgn

Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -	
	DRAWN - JNAKAWATASE	REVISED -	
PLOT SCALE = 240.0005 ft / ft.	CHECKED - JTOBERGTE	REVISED -	
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – VII
I-55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 9 OF 14 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	822
SPM60		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

D162H15-sht-Sign Panels Details.dgn
55432
2012/11/30

SIGN DETAIL

1:75

SIGN NUMBER	151
WIDTH x HGHT.	14'-6" x 13'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green/Yellow
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/Black

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	36.7	80	36	36
AR_Type A	315	71	5	22.3	35.6

Panel Style: guide_IDOT_fwy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES,SIZE
E	X	I	T																		EM 2000
46.1	55.2	66.4	70.6																	31.9	10
2	5	0	A																		EM 2000
93	108.5	123.8	143.9																	66	15
W	E	S	T																		EM 2000
87.7	105.9	116.9	128.4																	49.6	15,12
I	o	w	a																		EM 2000
61.3	68.5	82.6	102.1																	51.4	16/12
E	X	I	T																		EM 2000
19.5	30.7	44.7	50.1																	39.5	12
O	N	L	Y																		EM 2000
111	124	137.1	146.7																	47.8	12

SIGN DETAIL

1:75

SIGN NUMBER	152
WIDTH x HGHT.	13'-0" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	29	70.5	36	36

Panel Style: guide_IDOT_fwy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES,SIZE
E	X	I	T																		EM 2000
28.2	37.2	48.5	52.6																	31.9	10
2	5	0	A																		EM 2000
75	90.5	105.8	125.9																	66	15
E	A	S	T																		EM 2000
80	92.7	106.6	118.1																	47	15,12
I	n	d	i	a	n	a															EM 2000
31.9	40.5	56	73	81.1	98.1	113.6														92.3	16/12
1/2	M	I	L	E																	EM 2000
42.9	79.9	92	96.8	105.8																70.3	15,10

SIGN DETAIL

1:50

SIGN NUMBER	153
WIDTH x HGHT.	12'-0" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	16.2	44	36	36

Panel Style: guide_IDOT_fwy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES,SIZE
S	O	U	T	H																	EM 2000
67.2	82.2	95.2	107	118.1																60.6	15,12
S	t		L	o	u	i	s														EM 2000
19.1	35.4	43.8	59.8	73.7	89.5	106.5	114.3													105.8	16/12

SIGN DETAIL

1:10

SIGN NUMBER	4000
WIDTH x HGHT.	4'-0" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	1.88"
MOUNTING	Ground
BACKGROUND	TYPE: AP Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: AP Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Street name_IDOT.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES,SIZE
S	e	i	l	R	d																D 2000
6.3	12.6	18.4	21.3	30.6	36.9															35.4	8/6

MODEL: DETAILS 8
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-010\Documents\10700s\10740.00\Eng_Docs_Phase_II\Point_Mile_Sign_Accurate\Sheets\D162H15-sht-Sign Panels Details.dgn

Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
	DRAWN - JNAKAWATASE	REVISED -
PLOT SCALE = 240.0005 ft / ft.	CHECKED - JTOBERGTE	REVISED -
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – VIII
I-55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 10 OF 14 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	823
SPM61		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

D162H15-sht-Sign Panels Details.dgn
55432
2013/11/30

SIGN DETAIL

1:50

SIGN NUMBER	4010
WIDTH x HGHT.	10'-6" x 9'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	14.1	59.2	36	36

Panel Style: Guide_IDOT_Arterial.ssi
Dimensions are in inches,tenths

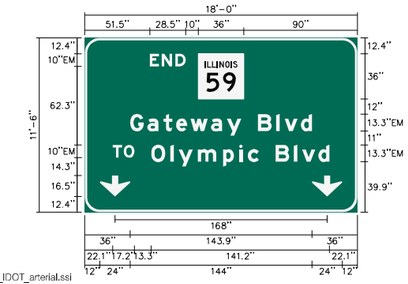
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

N	O	R	T	H															LENGTH	SERIES/SIZE
62.2	74.6	85.4	94.6	103.8															49.7	EM 2000 12,10
C	h	i	c	a	g	o														
22	36.5	50.6	57.4	69.1	82	94.9													81.9	EM 2000 13.3/10
L	E	F	T		L	A	N	E												
21.7	30.7	40.2	48.7	56.1	66.1	74.1	86	96.9											82.6	EM 2000 10

SIGN DETAIL

1:75



SIGN NUMBER	4011
WIDTH x HGHT.	18'-0" x 11'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-1100a	0	90	89.6	36	36
ARDOWN	0	12	12.4	24	16.5
ARDOWN	0	180	12.4	24	16.5

Panel Style: guide_IDOT_arterial.ssi
Dimensions are in inches,tenths

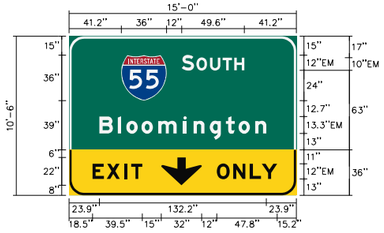
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

E	N	D																	LENGTH	SERIES/SIZE
51.5	61	71.9																	28.5	EM 2000 10
G	a	t	e	w	a	y		B	l	v	d									
36	49.6	62.4	72.4	83.8	100	112.7	124	137.3	151.8	158.3	171.2								143.9	EM 2000 13.3/10
T	O																			
22.1	30.9																		17.2	EM 2000 10
O	l	y	m	p	i	c		B	l	v	d									
52.6	67.8	74.3	89.5	109.4	122.3	129.1	137.9	151.2	165.7	172.2	185.1								141.3	EM 2000 13.3/10

SIGN DETAIL

1:75



SIGN NUMBER	4012
WIDTH x HGHT.	15'-0" x 10'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green/Yellow
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/Black

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	41.2	75	36	36
ARDOWN	0	73	8	32	22

Panel Style: guide_IDOT_arterial.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

S	O	U	T	H															LENGTH	SERIES/SIZE
89.2	100.8	111.6	121.5	130.7															49.6	EM 2000 12,10
B	l	o	o	m	i	n	g	t	o	n										
23.9	38.4	45.2	57.2	70.4	90.4	98.4	111.3	124.1	134.1	147.3									132.2	EM 2000 13.3/10
E	X	I	T																	
18.5	29.7	43.7	49.1																39.5	EM 2000 12
O	N	L	Y																	
117	130	143	152.6																47.8	EM 2000 12

SIGN DETAIL

1:50

SIGN NUMBER	4110
WIDTH x HGHT.	13'-6" x 7'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	49.7	39.7	36	36
AR_Type A	45	14.7	33.5	18.2	29.3

Panel Style: guide_IDOT_arterial.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

N	O	R	T	H															LENGTH	SERIES/SIZE
97.7	110	120.8	130	139.2															49.6	EM 2000 12,10
C	h	i	c	a	g	o														
57.4	71.9	86	92.8	104.6	117.5	130.4													82.1	EM 2000 13.3/10

MODEL: DETAILS 9
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-010\Documents\10700s\10740L\Eng_Docs_Phase_II\Print_Mile_Sign_Accurate\Sheets\D162H15-sht-Sign Panels Details.dgn

Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -	
	DRAWN - JNAKAWATASE	REVISED -	
PLOT SCALE = 240.0005 ft / ft.	CHECKED - JTOBERGTE	REVISED -	
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – IX
I-55 AT IL RTE 59 INTERCHANGE

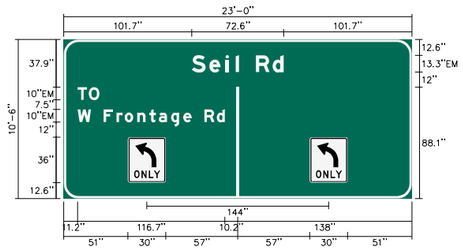
SCALE: | SHEET 11 OF 14 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	824
SPM62		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

D162H15-sht-Sign Panels Details.dgn
55432
2012/11/30

SIGN DETAIL

1:75



SIGN NUMBER	5003
WIDTH x HGHT.	23'-0" x 10'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
R3-5L	0	51	12.6	30	36
R3-5L	0	195	12.6	30	36

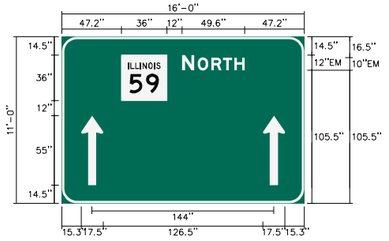
Panel Style: guide_IDOT_arterial.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES,SIZE
S	e	i	l		R	d															EM 2000
101.7	115.4	128.3	136.3	139	152.3	165.5														72.6	13.3/10
T	O																				EM 2000
11.2	20																			17.2	10
W		F	r	o	n	t	a	g	e		R	d									EM 2000
11.2	21.8	31.8	41.9	48.4	58.3	67.9	75.4	85.1	94.8	101.4	111.4	121.3								116.7	10/7.5

SIGN DETAIL

1:75



SIGN NUMBER	5004
WIDTH x HGHT.	16'-0" x 11'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-1100a	0	47.2	81.5	36	36
AR_THRU	0	15.3	14.5	17.5	55
AR_THRU	0	159.3	14.5	17.5	55

Panel Style: guide_IDOT_arterial.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES,SIZE
N	O	R	T	H																	EM 2000
95.2	107.5	118.3	127.5	136.7																49.6	12,10

SIGN DETAIL

1:75

SIGN NUMBER	5108
WIDTH x HGHT.	16'-6" x 7'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	67.7	39.7	36	36
AR_Type A	45	15.4	33.5	18.2	29.2

Panel Style: guide_IDOT_arterial.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES,SIZE
S	O	U	T	H																	EM 2000
115.7	127.3	138.1	148	157.2																49.6	12,10
B	l	o	o	m	i	n	g	t	o	n											EM 2000
50.4	64.9	71.7	83.7	96.9	116.9	124.9	137.8	150.6	160.6	173.8										132.2	13.3/10

SIGN DETAIL

1:75

SIGN NUMBER	5109
WIDTH x HGHT.	10'-6" x 9'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_THRU	0	54.3	13.8	17.5	55

Panel Style: guide_IDOT_arterial.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES,SIZE
S	e	i	l		R	o	a	d													EM 2000
14.2	27.9	40.9	48.9	51.5	64.9	78.1	90.1	103												97.6	13.3/10

MODEL: DETAILS 10
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Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
	DRAWN - JNAKAWATASE	REVISED -
PLOT SCALE = 240.0005 ft / ft.	CHECKED - JTOBERGTE	REVISED -
PLOT DATE = 5/3/2022	DATE - 05/03/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – X
I-55 AT IL RTE 59 INTERCHANGE

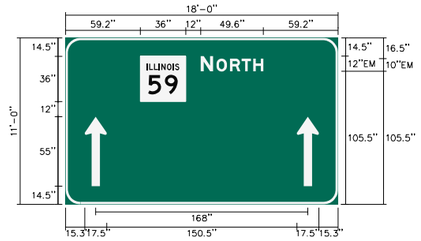
SCALE: | SHEET 12 OF 14 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	825
SPM63		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

D162H15-sht-Sign Panels Details.dgn
55432
2012/11/30

SIGN DETAIL

1:75



SIGN NUMBER	5110
WIDTH x HGHT.	18'-0" x 11'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-1100a	0	59.2	81.5	36	36
AR_THRU	0	15.3	14.5	17.5	55
AR_THRU	0	183.3	14.5	17.5	55

Panel Style: guide_IDOT_arterial.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
N	O	R	T	H																	EM 2000
107.2	119.5	130.3	139.5	148.7																49.6	12,10

SIGN DETAIL

1:75

SIGN NUMBER	5122
WIDTH x HGHT.	13'-6" x 9'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	32.2	59.2	36	36

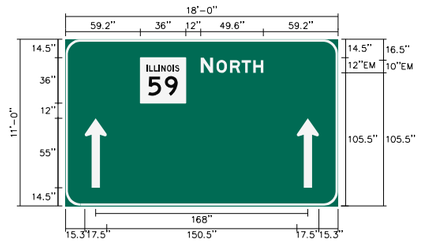
Panel Style: guide_IDOT_arterial.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
S	O	U	T	H																	EM 2000
80.2	91.8	102.6	112.5	121.7																49.6	12,10
B	l	o	o	m	i	n	g	t	o	n											EM 2000
14.9	29.4	36.2	48.2	61.4	81.4	89.4	102.3	115.1	125.1	138.3										132.2	13.3/10
L	E	F	T		L	A	N	E													EM 2000
39.7	48.7	58.2	66.7	74.1	84.1	92.1	104	114.9												82.6	10

SIGN DETAIL

1:75



SIGN NUMBER	5123
WIDTH x HGHT.	18'-0" x 11'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-1100a	0	59.2	81.5	36	36
AR_THRU	0	15.3	14.5	17.5	55
AR_THRU	0	183.3	14.5	17.5	55

Panel Style: guide_IDOT_arterial.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
N	O	R	T	H																	EM 2000
107.2	119.5	130.3	139.5	148.7																49.6	12,10

SIGN DETAIL

1:75

SIGN NUMBER	5124
WIDTH x HGHT.	13'-6" x 7'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	14.7	39.7	36	36
AR_Type A	315	124.3	33.5	18.2	29.2

Panel Style: guide_IDOT_arterial.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
N	O	R	T	H																	EM 2000
62.7	75	85.8	95	104.2																49.6	12,10
C	h	i	c	a	g	o															EM 2000
22.5	37	51.1	57.9	69.7	82.6	95.5														82.1	13.3/10

Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
	DRAWN - JNAKAWATASE	REVISED -
PLOT SCALE = 240.0005 ft / ft.	CHECKED - JTOBERGTE	REVISED -
PLOT DATE = 4/20/2022	DATE - 04/27/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – XI
I-55 AT IL RTE 59 INTERCHANGE

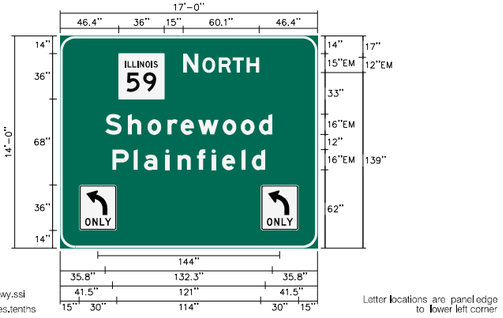
SCALE: | SHEET 13 OF 14 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	826
SPM64		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

D162H15-sht-Sign Panels Details.dgn
55432
2012/11/30

SIGN DETAIL

1:75



SIGN NUMBER	7000
WIDTH x HGHT.	17'-0" x 14'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-1100a	0	46.4	118	36	36
R3-5L	0	15	14	30	36
R3-5L	0	159	14	30	36

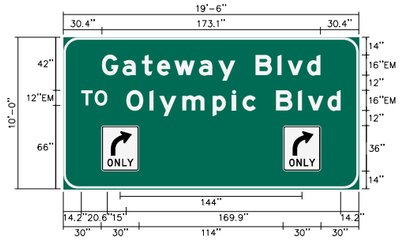
Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
N	O	R	T	H																	EM 2000
97.5	112.8	125.8	136.8	147.8																60.1	15,12
S	h	o	r	e	w	o	o	d													EM 2000
35.8	53.8	69.3	85.1	95.5	109.3	128.8	143.2	157.6												132.3	16/12
P	l	a	i	n	f	i	e	l	d												EM 2000
41.5	58.3	66.5	83.4	93	108.4	120.1	128.2	143.8	151.9											121	16/12

SIGN DETAIL

1:75



SIGN NUMBER	7001
WIDTH x HGHT.	19'-6" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
R3-5R	0	30	14	30	36
R3-5R	0	174	14	30	36

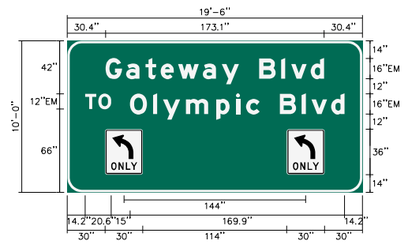
Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
G	a	t	e	w	a	y		B	l	v	d										EM 2000
30.4	46.8	62.1	74.1	87.9	107.4	122.6	136.2	152.2	169.6	177.5	193									173.1	16/12
T	O																				EM 2000
14.2	24.8																			20.6	12
O	l	y	m	p	i	c		B	l	v	d										EM 2000
49.9	68.1	75.9	94.2	118.2	133.7	141.9	152.4	168.4	185.9	193.7	209.2									169.9	16/12

SIGN DETAIL

1:75



SIGN NUMBER	8004
WIDTH x HGHT.	19'-6" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
R3-5L	0	30	14	30	36
R3-5L	0	174	14	30	36

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
G	a	t	e	w	a	y		B	l	v	d										EM 2000
30.4	46.8	62.1	74.1	87.9	107.4	122.6	136.2	152.2	169.6	177.5	193									173.1	16/12
T	O																				EM 2000
14.2	24.8																			20.6	12
O	l	y	m	p	i	c		B	l	v	d										EM 2000
49.9	68.1	75.9	94.2	118.2	133.7	141.9	152.4	168.4	185.9	193.7	209.2									169.9	16/12

SIGN DETAIL

1:75

SIGN NUMBER	8005
WIDTH x HGHT.	14'-0" x 14'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1-1100a	0	28.4	118	36	36
R3-5R	0	69	14	30	36

Panel Style: guide_IDOT_twy.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
N	O	R	T	H																	EM 2000
79.5	94.8	107.8	118.8	129.8																60.1	15,12
S	h	o	r	e	w	o	o	d													EM 2000
17.8	35.8	51.3	67.1	77.5	91.3	110.8	125.2	139.6												132.3	16/12
P	l	a	i	n	f	i	e	l	d												EM 2000
23.5	40.3	48.5	65.4	75	90.4	102.1	110.2	125.8	133.9											121	16/12

MODEL: DETAILS 12
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\10700s\10740.00\Eng_Docs_Phase_II\Part_Mile_Sign_Facts\Accurate\Sheets\D162H15-sht-Sign Panels Details.dgn

Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
	DRAWN - JNAKAWATASE	REVISED -
PLOT SCALE = 240.0005 ft / ft.	CHECKED - JTOBERGTE	REVISED -
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -

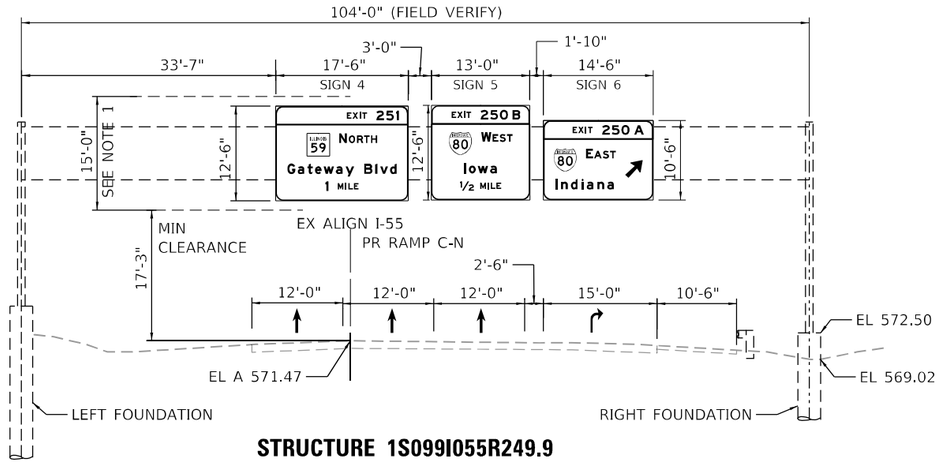
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – XII
I-55 AT IL RTE 59 INTERCHANGE

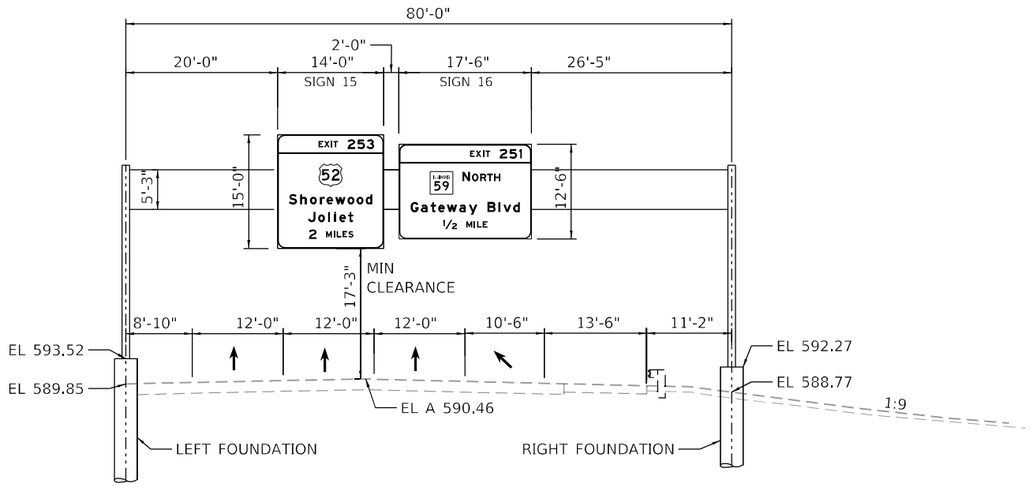
SCALE: | SHEET 14 OF 14 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	827
SPM65		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

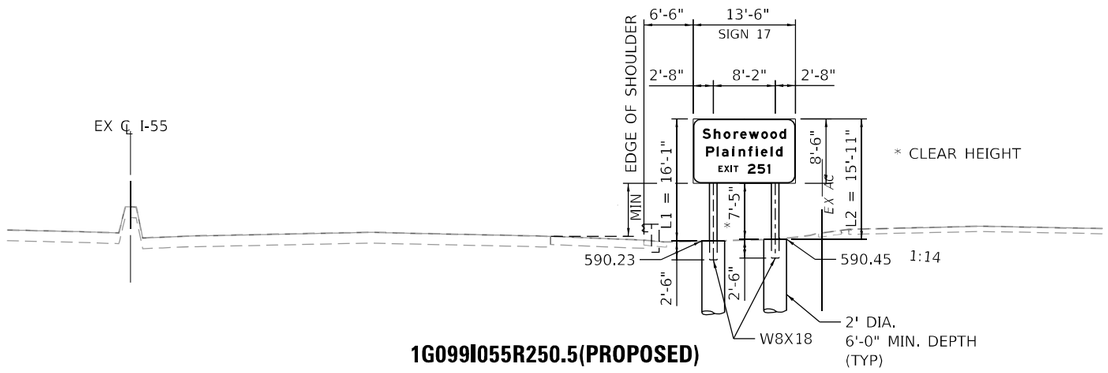
D162H15-sht-Sign Panels Details.dgn
55432
2012/11/30



STRUCTURE 1S099I055R249.9
MOUNTING DETAIL
EXISTING OVERHEAD SIGN STRUCTURE – SPAN
NB I–55, STA 189 + 70
(LOOKING NORTH)



STRUCTURE 1S099I055R250.5
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
NB I–55, STA 218 + 70
(LOOKING NORTH)



1G099I055R250.5(PROPOSED)
NB I–55, STA 241 + 61
(LOOKING NORTH)

NOTE 1: THEORETICAL MINIMUM DESIGN HEIGHT

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -	
	DRAWN - ABEE	REVISED -	
PLOT SCALE = 240.0000 ' / ft.	CHECKED - DHEYDEN	REVISED -	
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

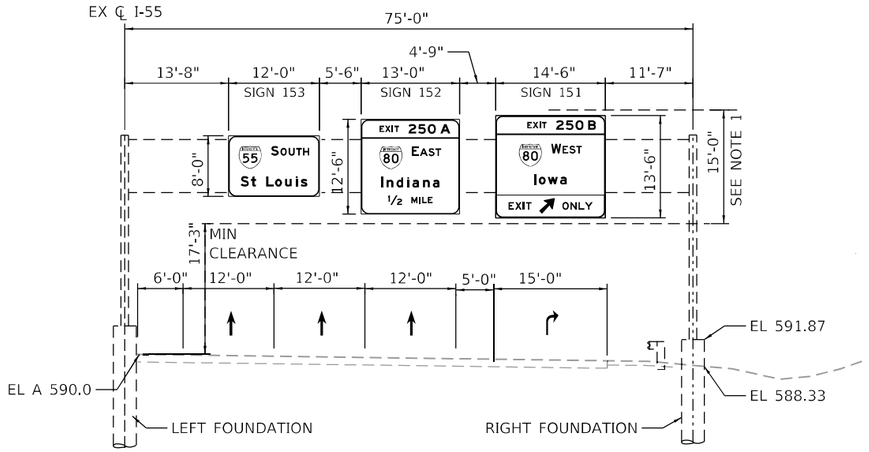
SIGN PANEL DETAILS – ELEVATION VIEW – I
I–55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 1 OF 10 SHEETS | STA. | TO STA.

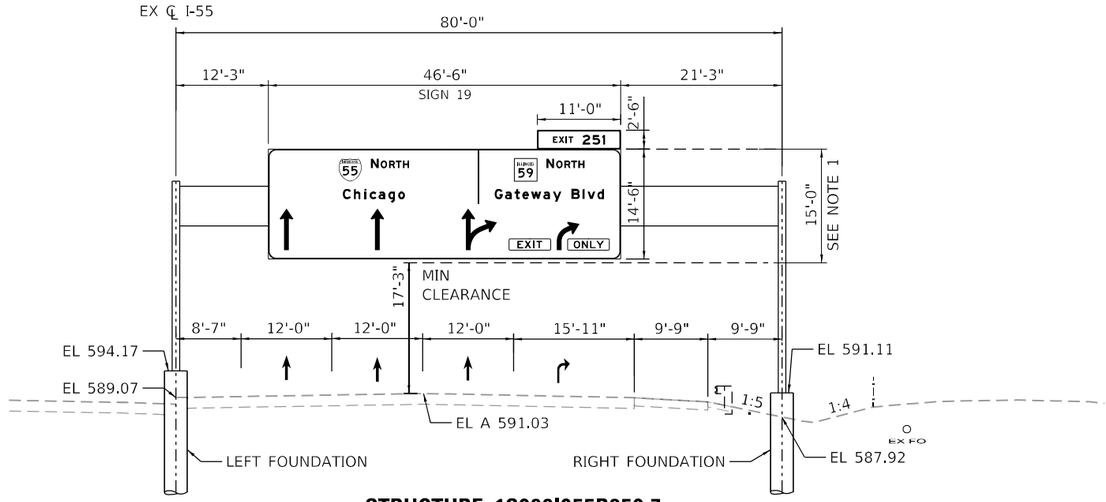
F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	828
SPM66		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

MODEL: I-55-SHT 1
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\107005\10740.00\Eng_Docs_Phase_II\Pvmt_Mkg_Sign' Accurate\Sheets\62H15_sht-Sign panel Elevation View 2D.dgn

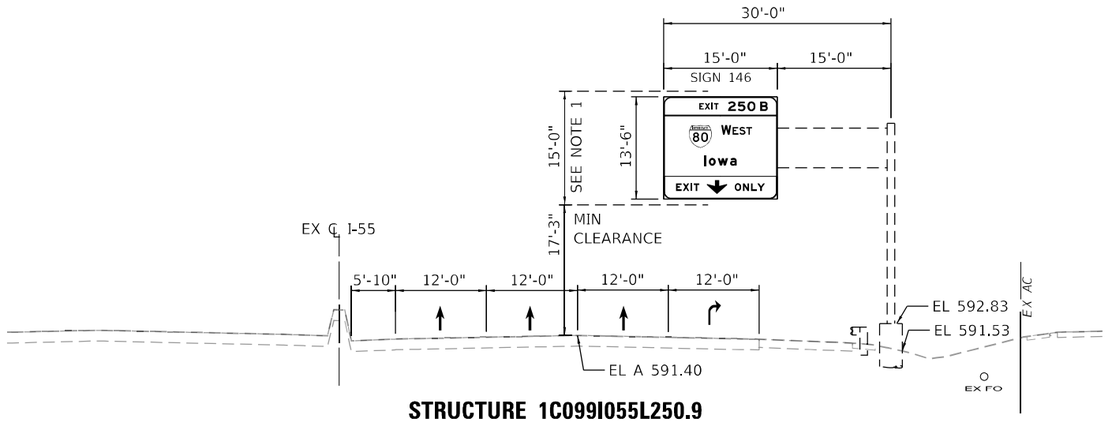
62H15_sht-Sign panel Elevation View 2D.dgn
55432
2012/11/30



STRUCTURE 1S099I055L250.7
MOUNTING DETAIL
EXISTING OVERHEAD SIGN STRUCTURE – SPAN
SB I–55, STA 229 + 76
(LOOKING SOUTH)



STRUCTURE 1S099I055R250.7
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
NB I–55, STA 233 + 90
(LOOKING NORTH)



STRUCTURE 1C099I055L250.9
MOUNTING DETAIL
EXISTING OVERHEAD SIGN STRUCTURE – CANTILEVER
SB I–55, STA 243 + 89
(LOOKING SOUTH)

NOTE 1: THEORETICAL MINIMUM DESIGN HEIGHT

MODEL: I-55-SHT 2
FILE NAME: pw:\\beneesch-pw.bentley.com:beneesch-pw-01\Documents\107005\10740.00\Eng Docs Phase III\Pvmt Mkg Sign\Accurate\Sheets\62H15_sht-Sign panel Elevation View 2D.dgn

Accurate GROUP INC.	USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
		DRAWN - ABEE	REVISED -
	PLOT SCALE = 240.0000 ' / ft.	CHECKED - DHEYDEN	REVISED -
	PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -

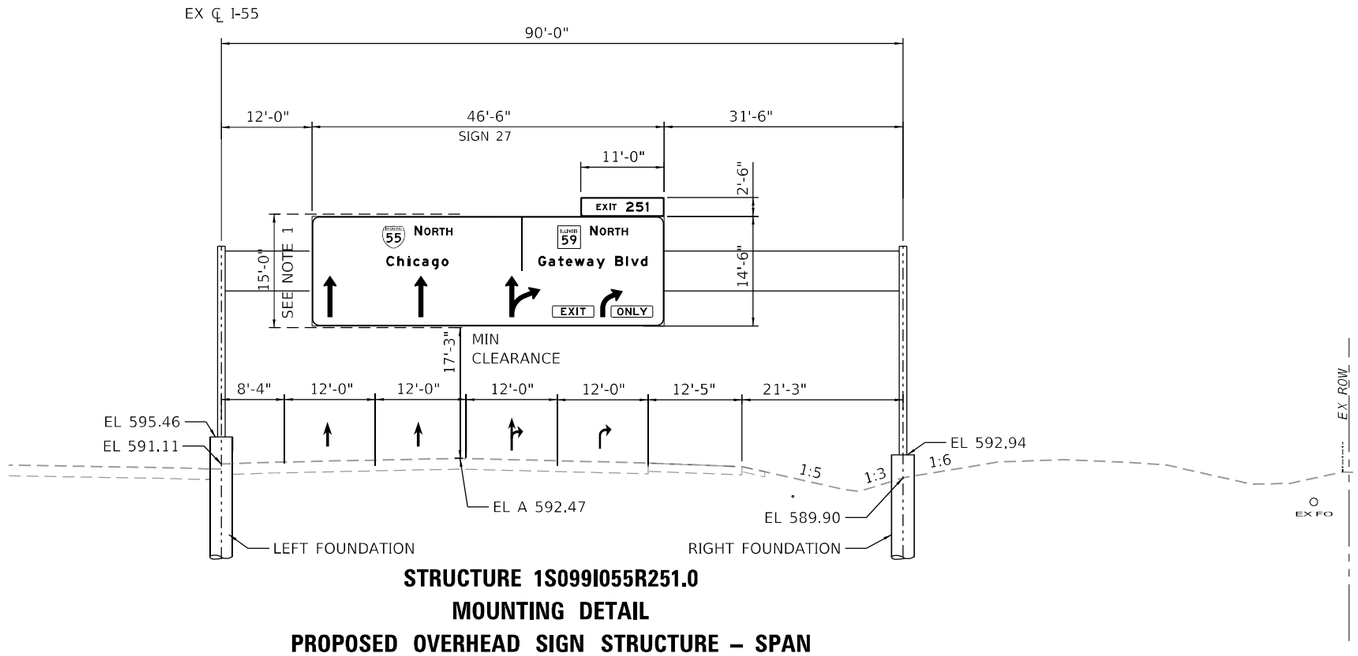
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – ELEVATION VIEW – II
I–55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 2 OF 10 SHEETS | STA. | TO STA.

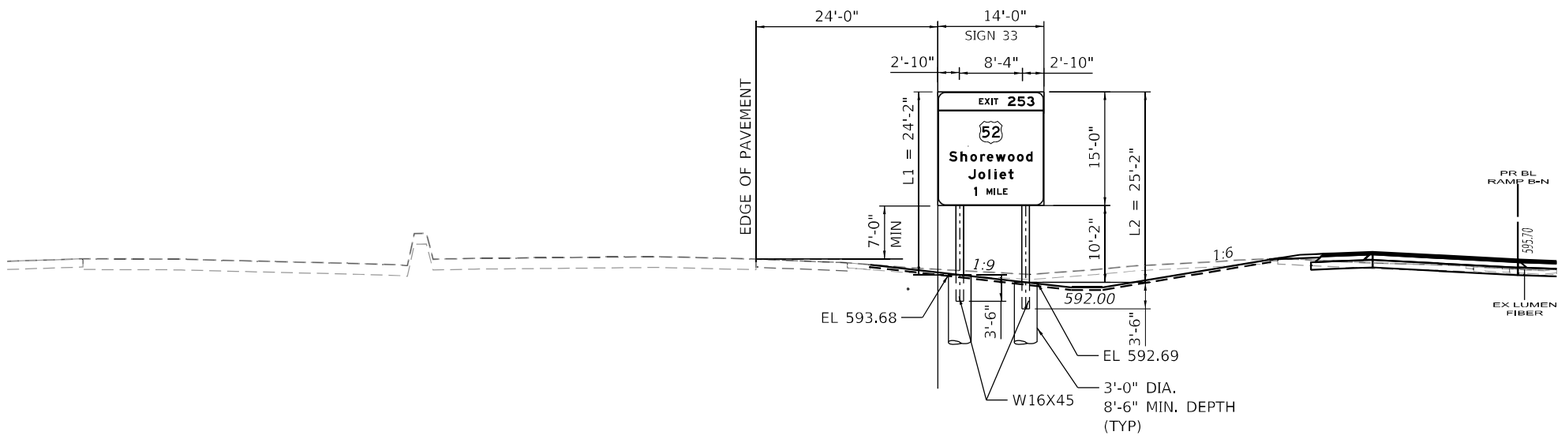
F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2018-075-R	WILL	1510	829
SPM67		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

62H15_sht-Sign panel Elevation View 2D.dgn
55432
2012/11/30



STRUCTURE 1S099I055R251.0
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
NB I–55, STA 248+63
(LOOKING NORTH)

NOTE 1: THEORETICAL MINIMUM DESIGN HEIGHT



1G099I055R251.5
NB I–55, STA 274+00
(LOOKING NORTH)

Accurate GROUP INC.	USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
		DRAWN - ABEE	REVISED -
	PLOT SCALE = 240.0000 ' / ft.	CHECKED - DHEYDEN	REVISED -
	PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

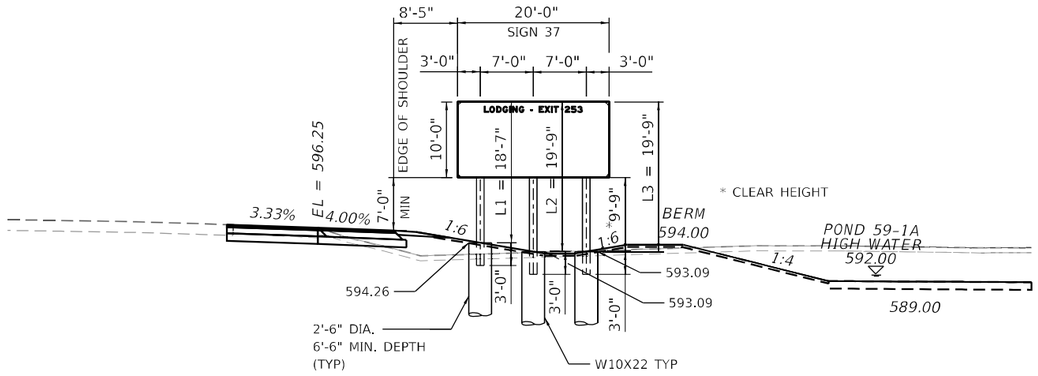
SIGN PANEL DETAILS – ELEVATION VIEW – III
I–55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 3 OF 10 SHEETS | STA. | TO STA.

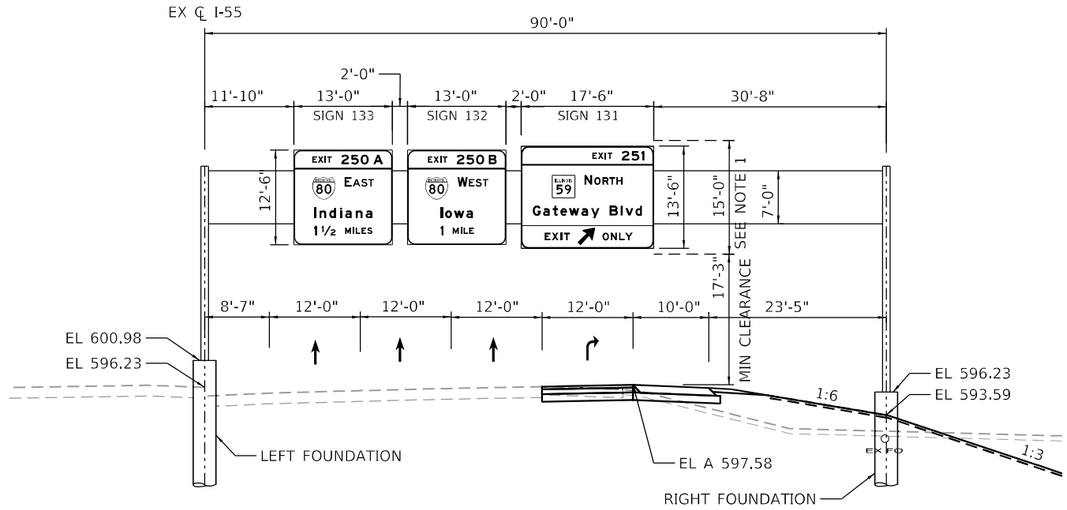
F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2018-075-R	WILL	1510	830
SPM68		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

MODEL: I-55-SHT 3
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\107005\10740.00\Eng_Docs_Phase_II\Pvmt_Mlg_Sign' /Accurate\Sheets\62H15_sht-Sign panel Elevation View 2D.dgn

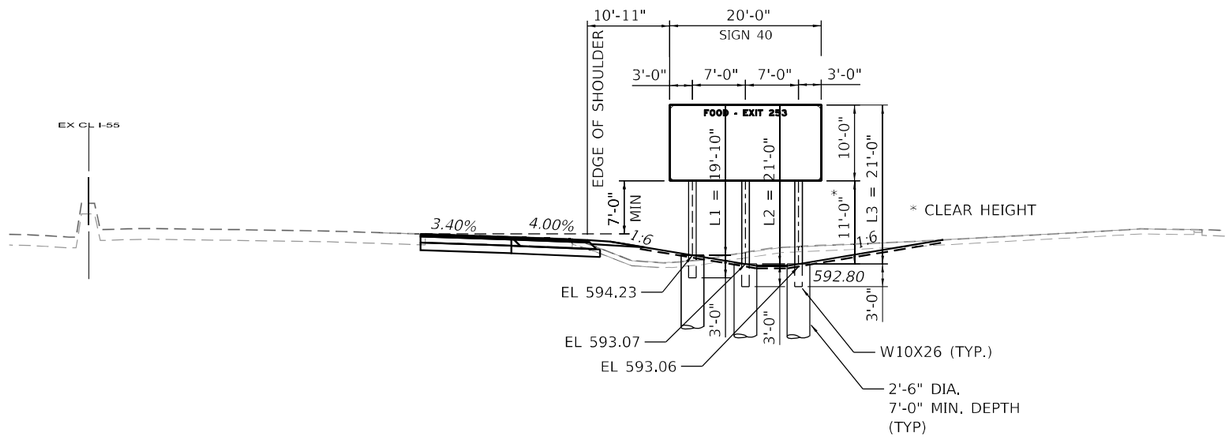
62H15_sht-Sign panel Elevation View 2D.dgn
55432
2012/11/30



1G099I055R251.9
NB I–55, STA 289 + 00
(LOOKING NORTH)



STRUCTURE 1S099I055L251.8
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
SB I–55, STA 290 + 40
(LOOKING SOUTH)



1G099I055R252.1(REL)
NB I–55, STA 297 + 00
(LOOKING NORTH)

NOTE 1: THEORETICAL MINIMUM DESIGN HEIGHT

Accurate GROUP INC.	USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
		DRAWN - ABEE	REVISED -
	PLOT SCALE = 240.0000 ' / ft.	CHECKED - DHEYDEN	REVISED -
	PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

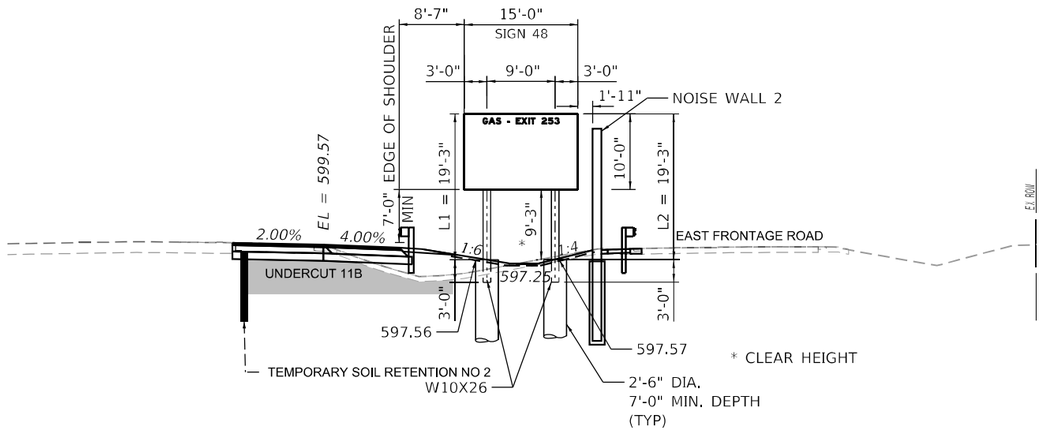
SIGN PANEL DETAILS – ELEVATION VIEW – IV
I–55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 4 OF 10 SHEETS | STA. | TO STA.

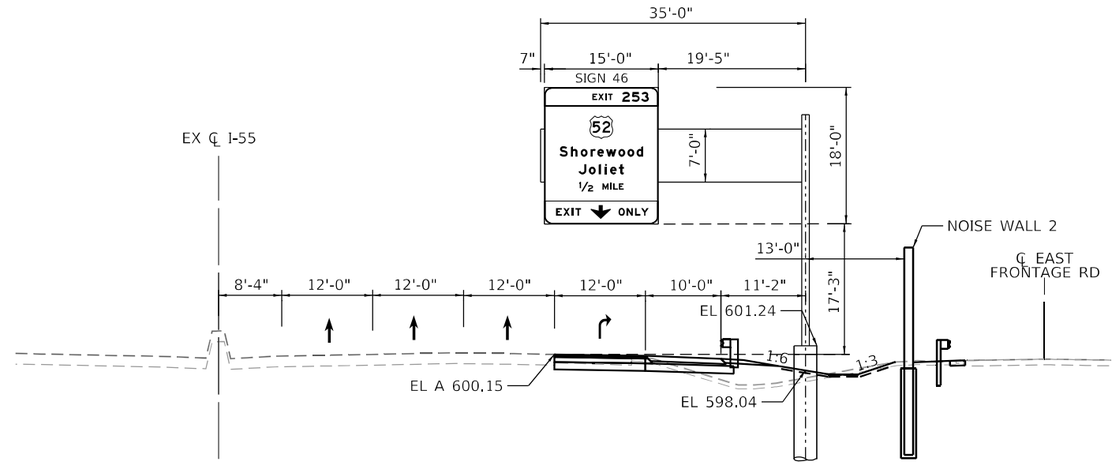
F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	831
SPM69		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

MODEL: I-55-SHT 4
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\107005\10740.00\Eng_Docs_Phase_II\Pvmt_Mkg_Sign~Accurate\Sheets\62H15_sht-Sign panel Elevation View 2D.dgn

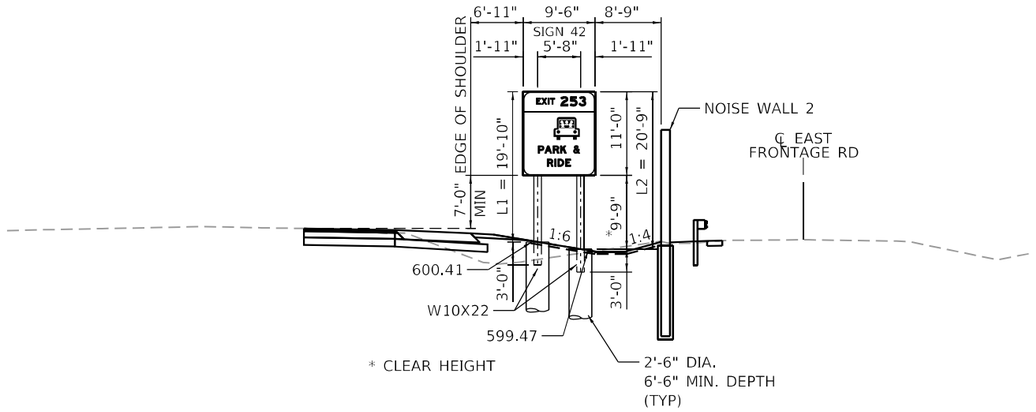
62H15_sht-Sign panel Elevation View 2D.dgn
55432
2012/11/30



1G099I055R252.3(REL)
NB I–55, STA 305 + 00
(LOOKING NORTH)



STRUCTURE 1C099I055R252.1
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE – CANTILEVER
NB I–55, STA 306 + 00
(LOOKING NORTH)



1G099I055R252.2(REL)
NB I–55, STA 312 + 20
(LOOKING NORTH)

MODEL: I-55-SHT 5
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\107005\10740.00\Eng_Docs_Phase_II\Pvmt_Mlg_Sign_Accurate\Sheets\62H15_sht-Sign panel Elevation View 2D.dgn

Accurate GROUP INC.	USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
		DRAWN - ABEE	REVISED -
	PLOT SCALE = 240.0000 ' / ft.	CHECKED - DHEYDEN	REVISED -
	PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -

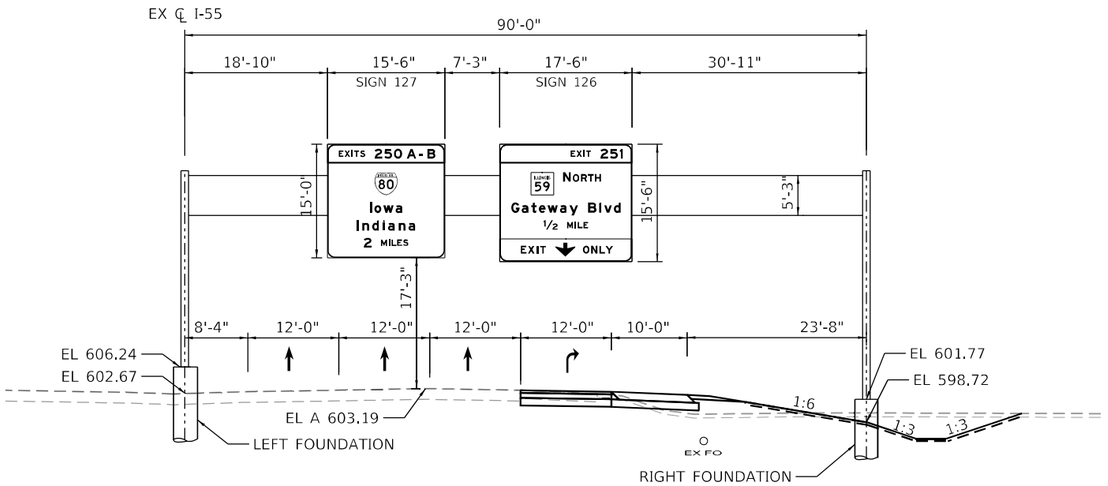
62H15_sht-Sign panel Elevation View 2D.dgn
55432
2012/11/30

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

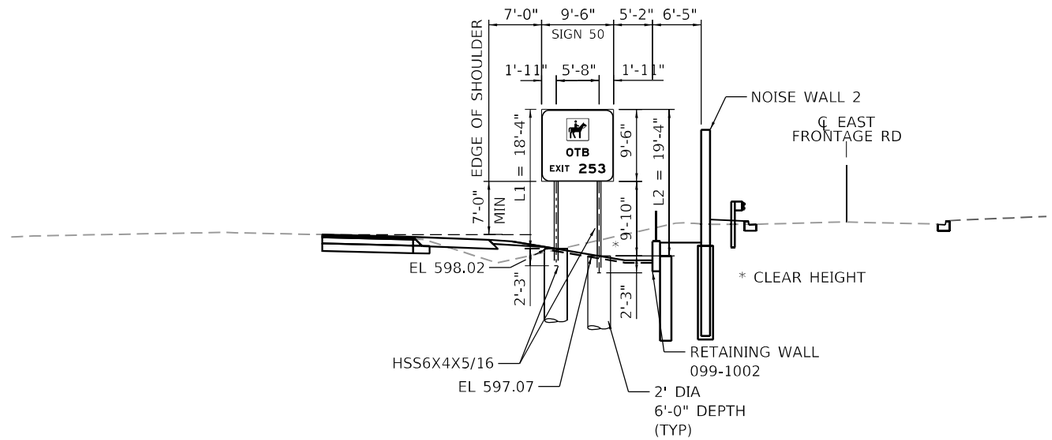
SIGN PANEL DETAILS – ELEVATION VIEW – V
I–55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 5 OF 10 SHEETS | STA. | TO STA.

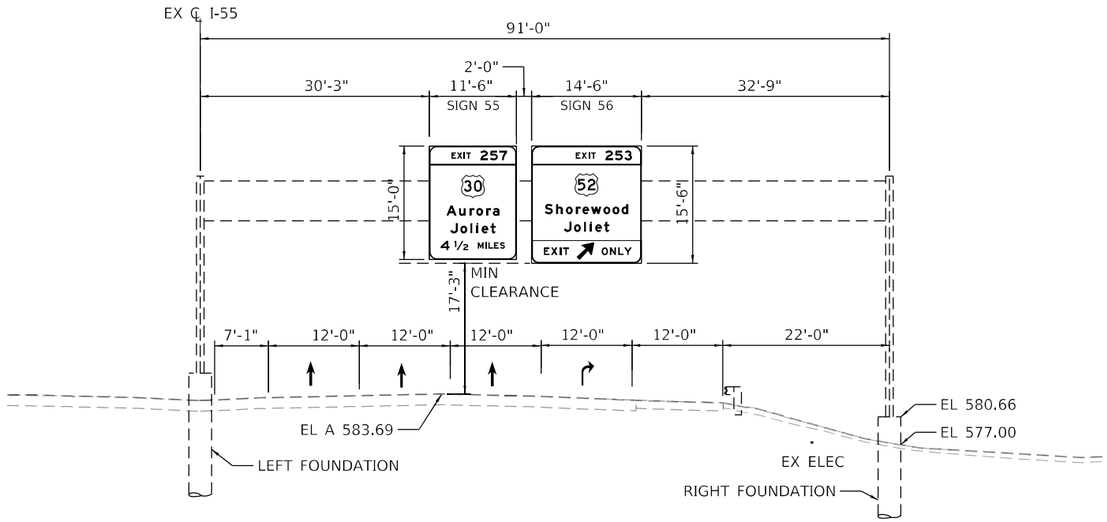
F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	832
SPM70		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



STRUCTURE 1S099I055L252.3
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
SB I–55, STA 314 + 80
(LOOKING SOUTH)



1G099I055R252.4(PROPOSED)
NB I–55, STA 319 + 40
(LOOKING NORTH)



STRUCTURE 1S099I055R252.6
MOUNTING DETAIL
EXISTING OVERHEAD SIGN STRUCTURE – SPAN
NB I–55, STA 333 + 75
(LOOKING NORTH)

MODEL: I-55-SHT 6
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\107005\10740.00\Eng Docs Phase II\Pvmt Mkg Sign Accurate\Sheets\62H15_sht-Sign panel Elevation View 2D.dgn

Accurate GROUP INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
	DRAWN - ABEE	REVISED -
PLOT SCALE = 240.0000 ' / ft.	CHECKED - DHEYDEN	REVISED -
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -

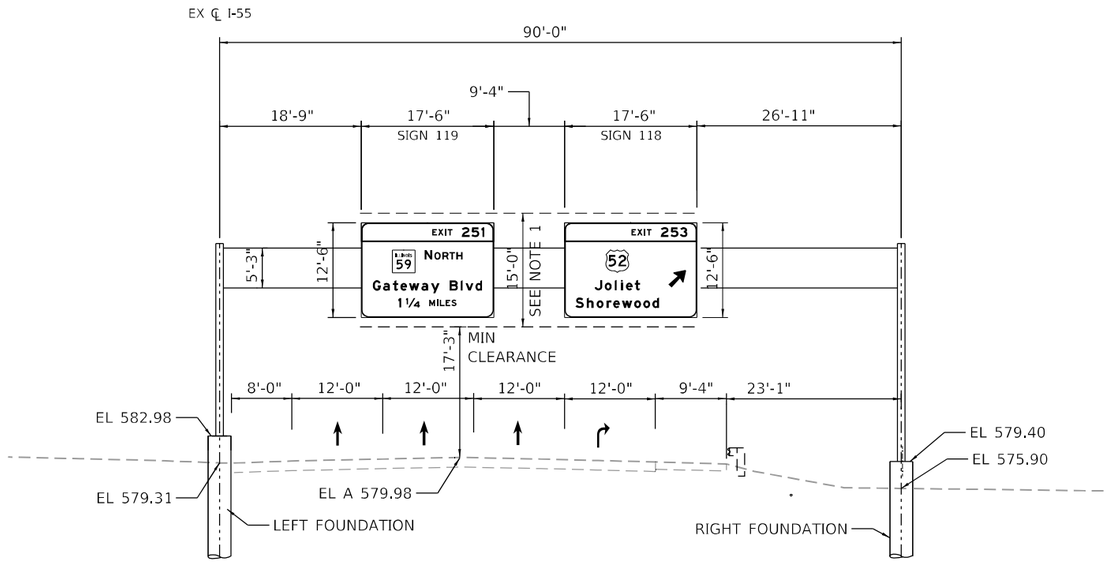
62H15_sht-Sign panel Elevation View 2D.dgn
55432
2012/11/30

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

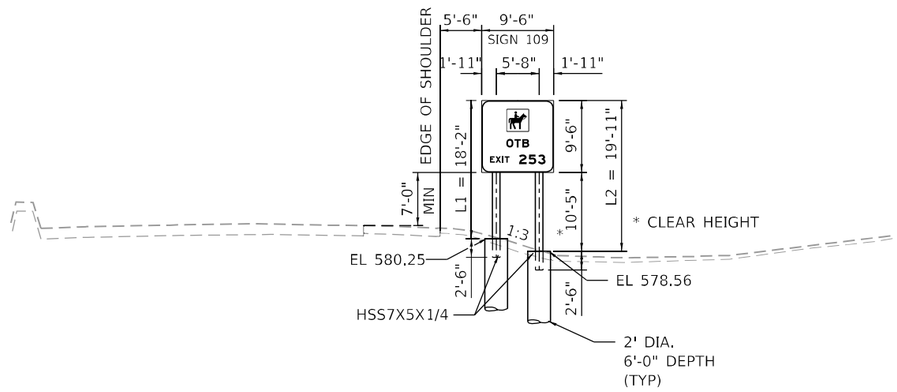
SIGN PANEL DETAILS – ELEVATION VIEW – VI
I–55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 6 OF 10 SHEETS | STA. | TO STA.

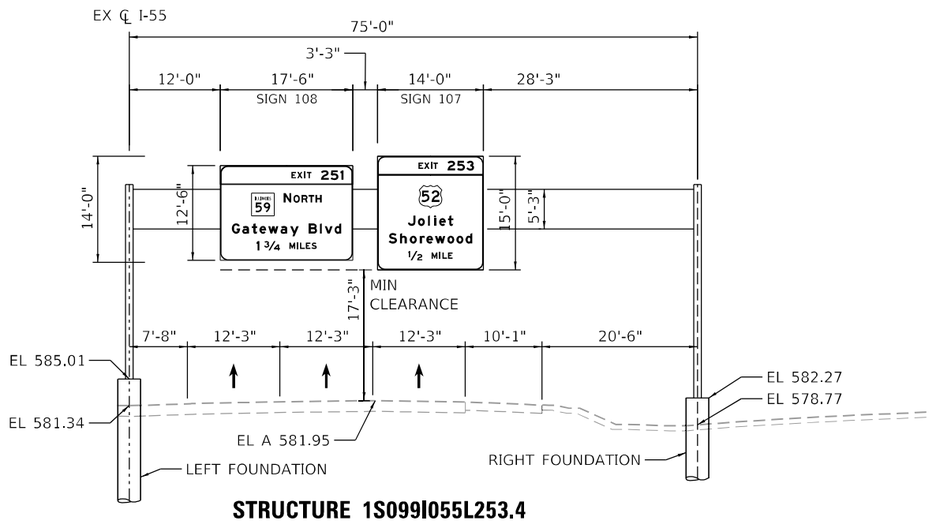
F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2018-075-R	WILL	1510	833
SPM71		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



STRUCTURE 1S099I055L253.0
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
SB I–55, STA 355+50
(LOOKING SOUTH)



1G099I055L253.3(PROPOSED)
SB I–55, STA 371+95
(LOOKING SOUTH)



STRUCTURE 1S099I055L253.4
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
SB I–55, STA 376+00
(LOOKING SOUTH)

NOTE 1: THEORETICAL MINIMUM DESIGN HEIGHT

Accurate GROUP INC.	USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
		DRAWN - ABEE	REVISED -
	PLOT SCALE = 240.0000 ' / ft.	CHECKED - DHEYDEN	REVISED -
	PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

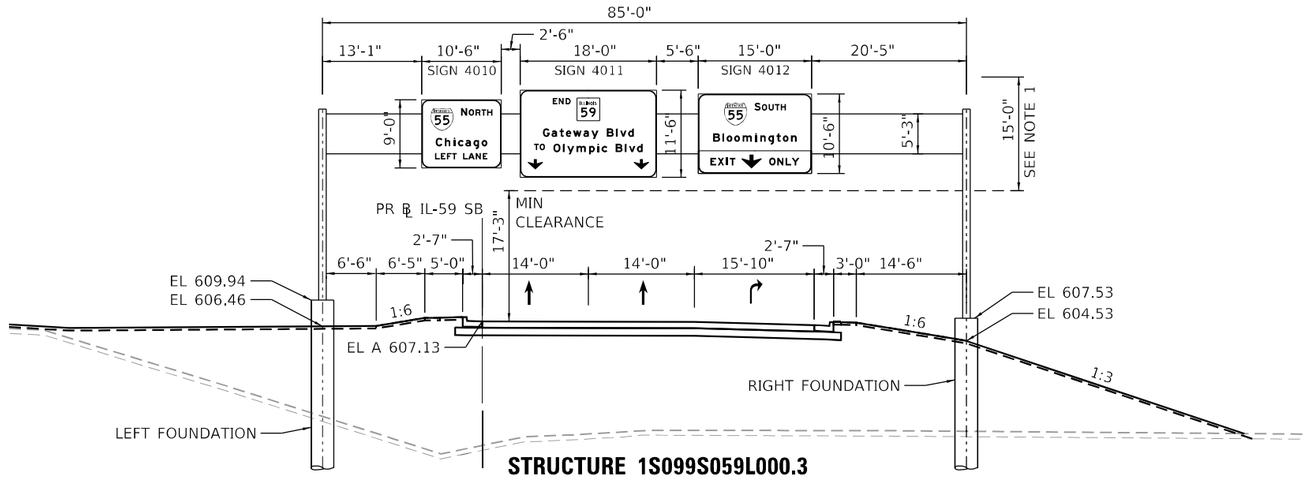
SIGN PANEL DETAILS – ELEVATION VIEW – VII
I–55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 7 OF 10 SHEETS | STA. | TO STA.

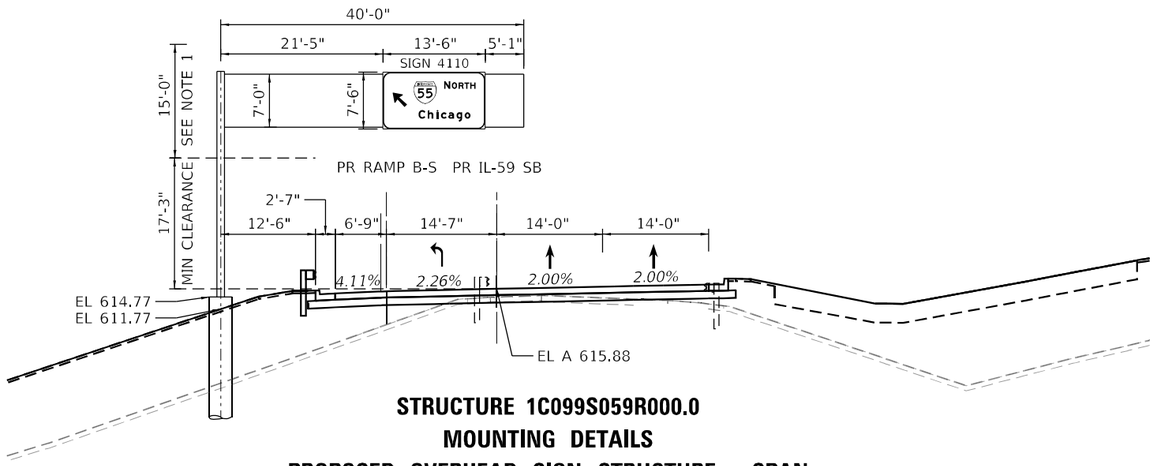
F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2018-075-R	WILL	1510	834
SPM72		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

MODEL: I-55-SHT 7
FILE NAME: pw:\benesch-pw.bentley.com:benesch-pw-01\Documents\107005\10740.00\Eng_Docs_Phase_II\Pvmt_Mlg_Sign_Acc.ucot1\Sheets\62h15_sht-Sign panel Elevation View 2D.dgn

62H15_sht-Sign panel Elevation View 2D.dgn
55432
2012/11/30



STRUCTURE 1S099S059L000.3
MOUNTING DETAILS
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
SB IL 59, STA 7005+16
(LOOKING SOUTH)



STRUCTURE 1C099S059R000.0
MOUNTING DETAILS
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
SB IL 59, STA 7021+43
(LOOKING SOUTH)

NOTE 1: THEORETICAL MINIMUM SIGN HEIGHT

MODEL: I-59-SHT 1
FILE NAME: pw:\\beneesch-pw.bentley.com:beneesch-pw-01\Documents\107001\10740.00\Eng_Docs_Phase_II\Pvmt_Mkg_Sign\Accurate\Sheets\62H15_sht-Sign panel Elevation View 2D.dgn

Accurate GROUP INC.	USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
		DRAWN - ABEE	REVISED -
	PLOT SCALE = 240.0000 ' / ft.	CHECKED - DHEYDEN	REVISED -
	PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -

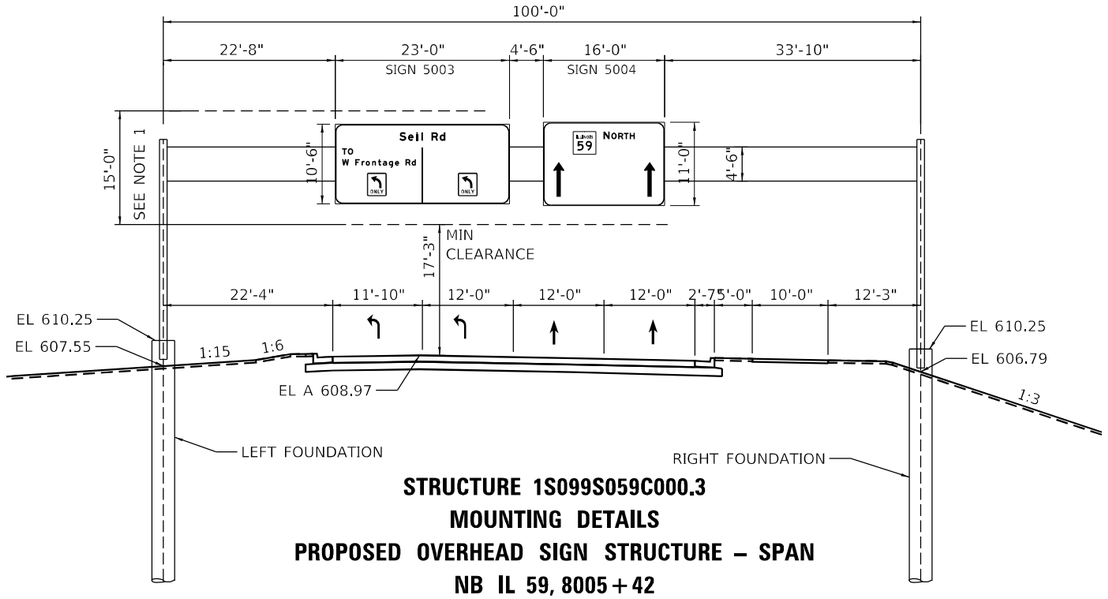
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – ELEVATION VIEW – VIII
I–55 AT IL RTE 59 INTERCHANGE

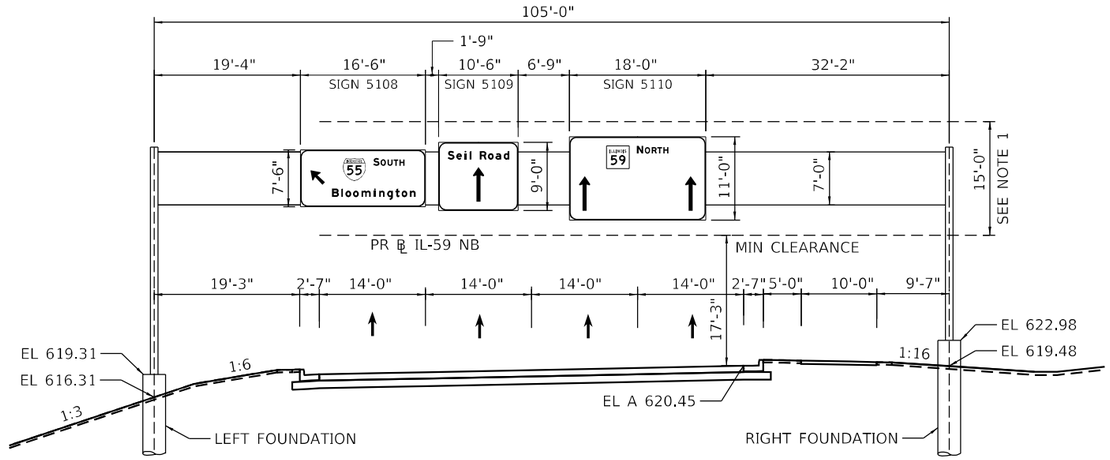
SCALE: | SHEET 8 OF 10 SHEETS | STA. | TO STA.

F.A.I./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	835
SPM73		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

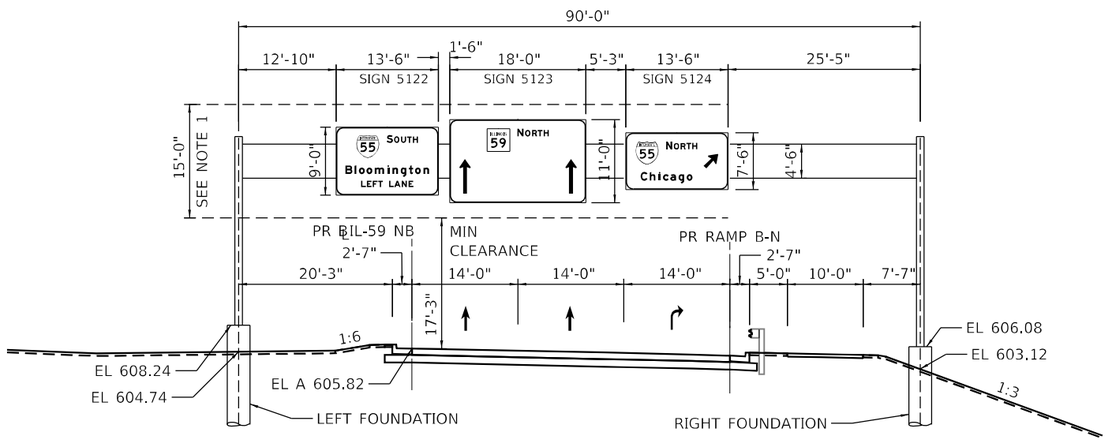
62H15_sht-Sign panel Elevation View 2D.dgn
55432
2012/11/30



STRUCTURE 1S099S059C000.3
MOUNTING DETAILS
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
NB IL 59, 8005 + 42
(LOOKING NORTH)



STRUCTURE 1S099S059C000.1
MOUNTING DETAILS
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
NB IL 59, 8013 + 87
(LOOKING NORTH)



STRUCTURE 1S099LGATC000.0
MOUNTING DETAILS
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
NB IL 59, 8025 + 72
(LOOKING NORTH)

NOTE 1: THEORETICAL MINIMUM DESIGN HEIGHT

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FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\107005\10740.00\Eng Docs Phase II\Pvmt Mkg Sign Accurate\Sheets\62H15_sht-Sign panel Elevation View 2D.dgn

Accurate GROUP INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -
	DRAWN - ABEE	REVISED -
PLOT SCALE = 240.0000 ' / ft.	CHECKED - DHEYDEN	REVISED -
PLOT DATE = 5/3/2022	DATE - 05/03/2022	REVISED -

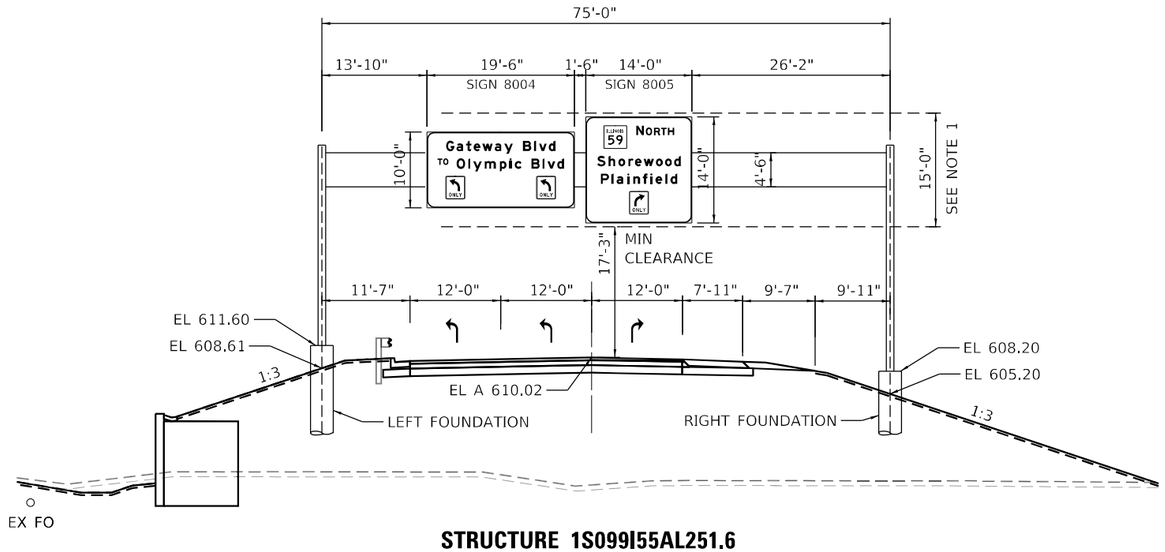
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS – ELEVATION VIEW – IX
I–55 AT IL RTE 59 INTERCHANGE

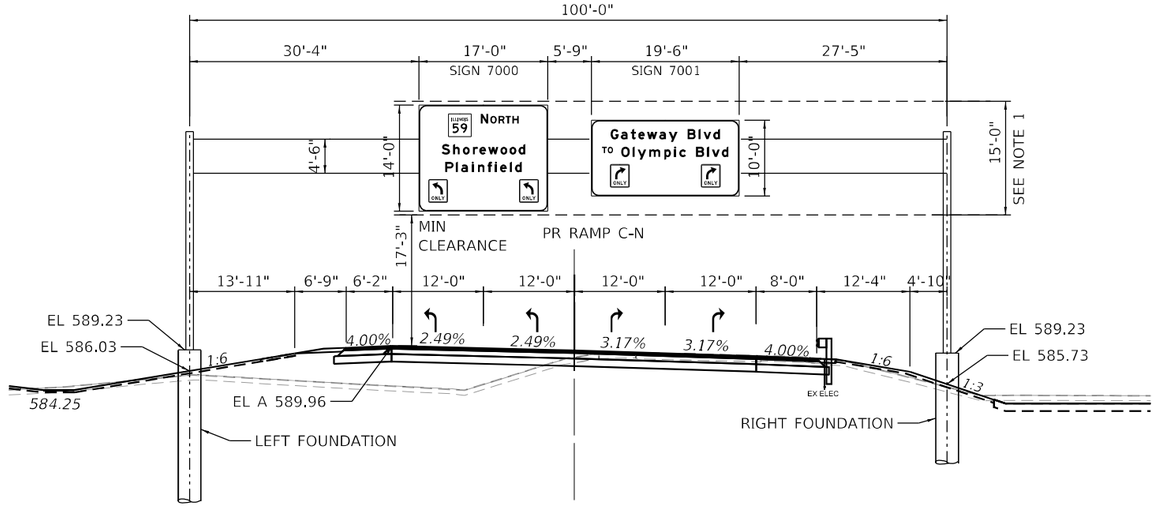
SCALE: | SHEET 9 OF 10 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2018-075-R	WILL	1510	836
SPM74		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

62H15_sht-Sign panel Elevation View 2D.dgn
55432
2012/11/30



STRUCTURE 1S099I55AL251.6
MOUNTING DETAILS
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
RAMP A, STA 912+57
(LOOKING SOUTH)



NOTE 1: THEORETICAL MINIMUM SIGN HEIGHT

STRUCTURE 1S099I55CR251.2
MOUNTING DETAILS
PROPOSED OVERHEAD SIGN STRUCTURE – SPAN
RAMP C, STA 808+43
(LOOKING SOUTH)

MODEL: RAMPS A_C-SHT 1
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\107005\10740.00\Eng Docs Phase II\Pvmt Mkg Sign /Accurate\Sheets\62H15_sht-Sign panel Elevation View 2D.dgn

Accurate GROUP, INC.

USER NAME = dwojcik	DESIGNED - ABEE	REVISED -	
	DRAWN - ABEE	REVISED -	
PLOT SCALE = 240.0000 ' / ft.	CHECKED - DHEYDEN	REVISED -	
PLOT DATE = 4/19/2022	DATE - 04/27/2022	REVISED -	

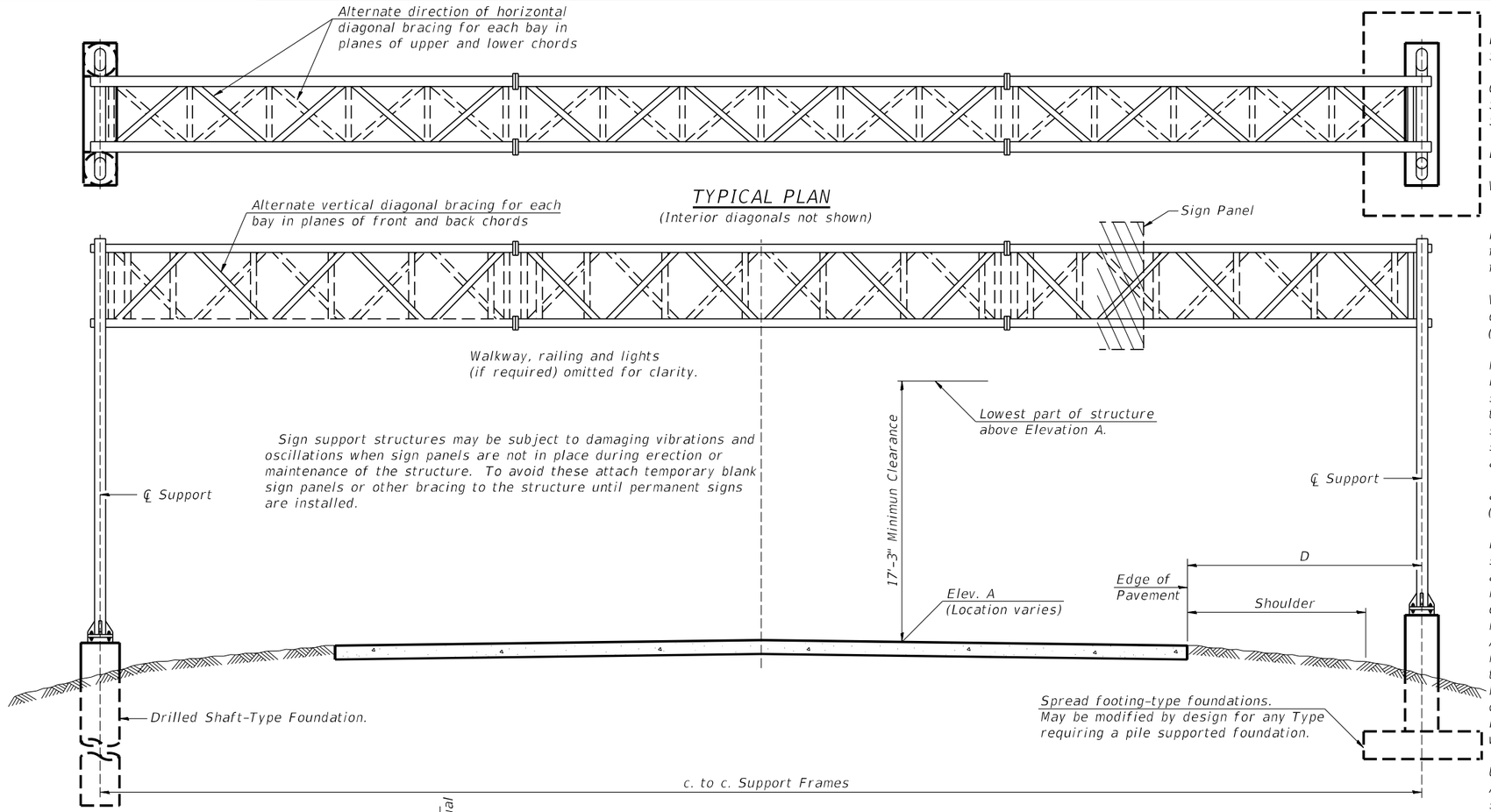
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

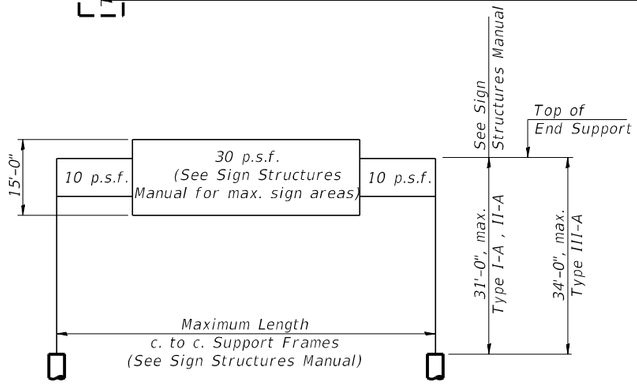
SIGN PANEL DETAILS – ELEVATION VIEW – X
I-55 AT IL RTE 59 INTERCHANGE

SCALE: | SHEET 10 OF 10 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	837
SPM75		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

62H15_sht-Sign panel Elevation View 2D.dgn
55432
2012/11/30





DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

TYPICAL ELEVATION

*(Looking at Face of Signs**)*

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
1S099I055R250.5	NB I-55, 218+70	II-A	80'-0"	590.46	11.20'	15'-0"	428.75
1S099I055R250.7	NB I-55, 233+90	III-A	80'-0"	591.03	9.77'	14'-6"	701.75
1S099I055R251.0	NB I-55, 248+63	III-A	90'-0"	592.47	21.25'	14'-6"	701.75
1S099I055L251.8	SB I-55, 290+40	III-A	90'-0"	597.58	23.42'	13'-6"	561.25
1S099I055L252.3	SB I-55, 314+80	II-A	90'-0"	603.19	23.67'	15'-6"	503.75
1S099I055L253.0	SB I-55, 355+50	II-A	90'-0"	579.98	23.10'	12'-6"	437.50
1S099I055L253.4	SB I-55, 376+00	II-A	75'-0"	581.95	20.50'	15'-0"	428.75
1S099I55CR251.2	I-55 NB Exit Ramp C to NB and SB DDI, 808+43	I-A	100'-0"	589.96	17.33'	14'-0"	433.00
1S099I55AL251.6	I-55 SB Ramp A to DDI, 912+57	I-A	75'-0"	610.02	19.50'	14'-0"	391.00
1S099S059L000.3	Ramp D/IL 59 (DDI SB), 7005+16	II-A	85'-0"	607.13	20.08'	11'-6"	459.00
1S099S059C000.3	IL 59 (DDI NB), 8005+42	I-A	100'-0"	608.97	29.83'	11'-0"	417.50
1S099S059C000.1	IL 59 (DDI NB), 8013+87	III-A	105'-0"	620.45	27.17'	11'-0"	416.25
1S099LGATC000.0	IL 59 (DDI NB), 8025+70	I-A	90'-0"	605.82	25.17'	11'-0"	420.75

**Looking upstation for structures with signs both sides.

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
f'c = 3,500 p.s.i.
fy = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specificiations.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.
The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
ROCK EXCAVATION FOR STRUCTURES	Cu. Yds.	7.5
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	365
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	420
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	365
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	320.1

OS-A-1 2-17-2017

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10740

USER NAME - kkenny	DESIGNED - WKK	REVISED -
	CHECKED - JHG	REVISED -
PLOT SCALE -	DRAWN - AJB	REVISED -
DATE - 05/03/2022	CHECKED - JHG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURE – GENERAL PLAN & ELEVATION – ALUMINUM TRUSS & STEEL SUPPORTS

SHEET 1 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	838
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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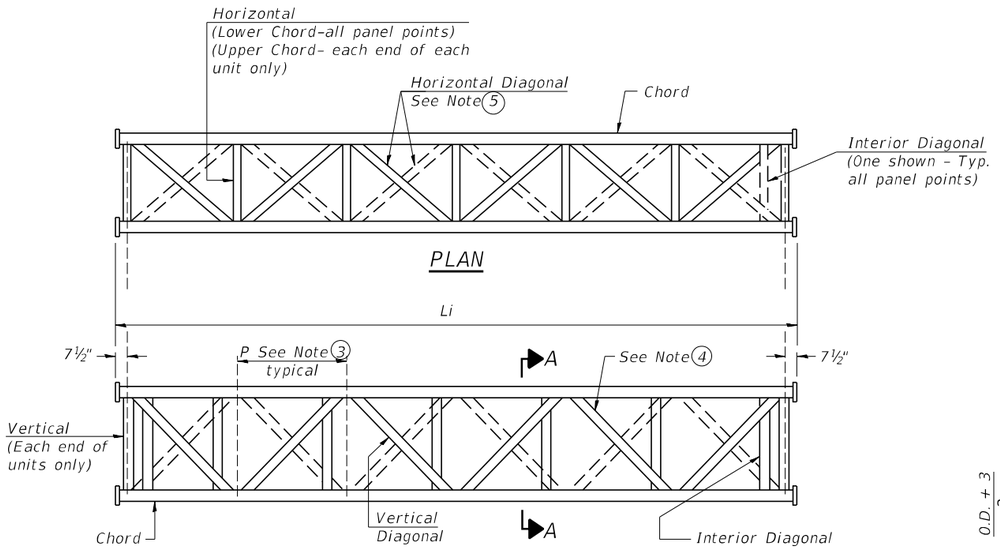
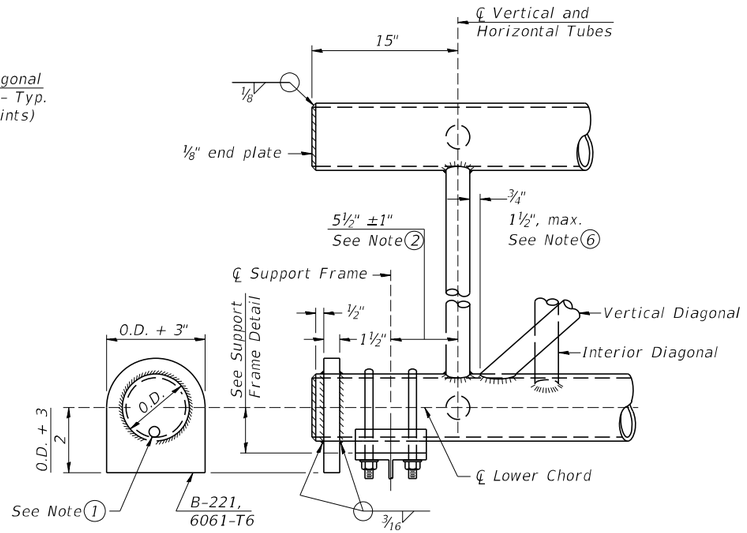


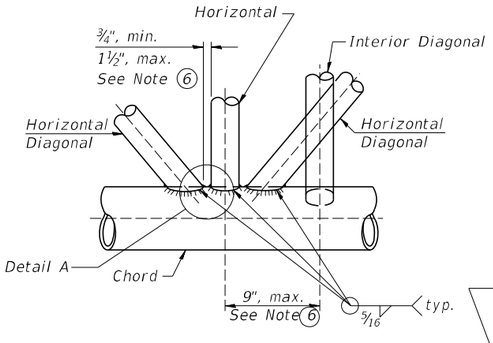
ELEVATION

TYPICAL INTERIOR UNIT

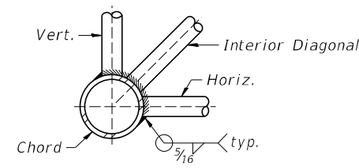
Even number of panels/interior unit required.

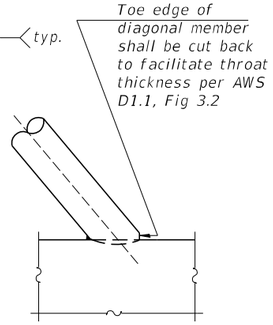


SUPPORT END DETAIL FOR EXTERIOR UNIT

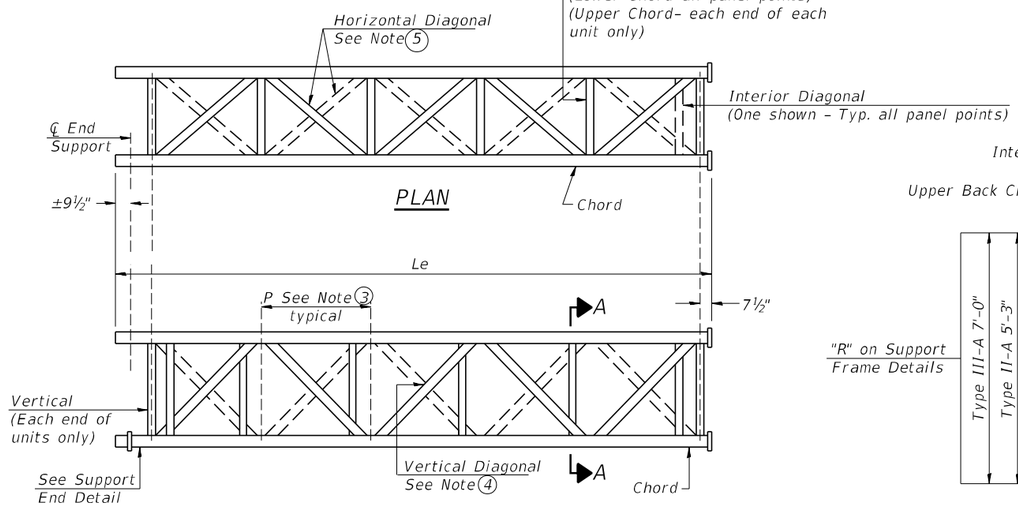


TYPICAL JOINT DETAILS





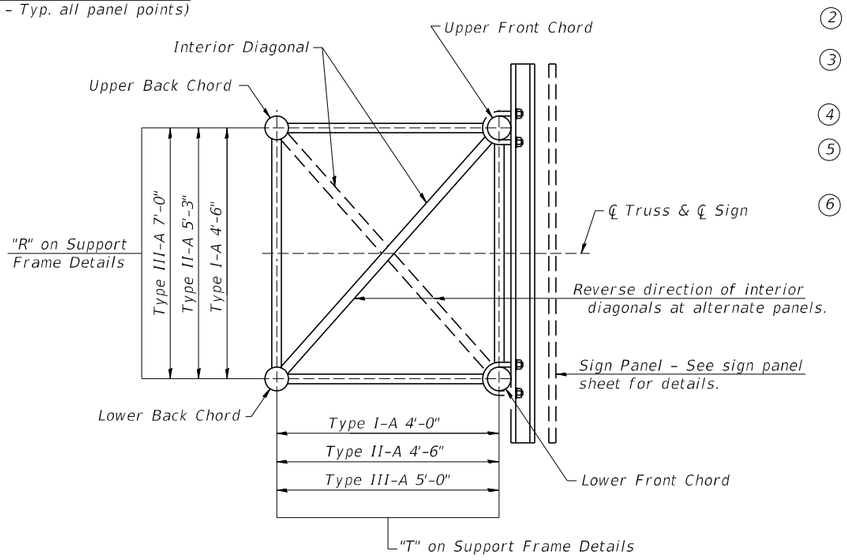
DETAIL A



ELEVATION

TYPICAL EXTERIOR UNIT

Even or odd number of panels/exterior units allowed.



SECTION A-A

1. Contractor may alternatively use standard aluminum drive-fit cap to close end. ½" Ø drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
2. 5½" end dimension may vary by ±1" to provide uniform panel spacing (P).
3. Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.
4. Vertical Diagonals in front and back face shall alternate.
5. Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
6. All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a ¾" minimum to 1½" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.

OS-A-2

2-17-2017

benesch
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35 W Wacker Drive, Suite 3300
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312-565-0450
Job No. 10740

USER NAME = kkenny	DESIGNED - WKK	REVISED -
	CHECKED - JHG	REVISED -
PLOT SCALE =	DRAWN - AJB	REVISED -
DATE = 02/04/2022	CHECKED - JHG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

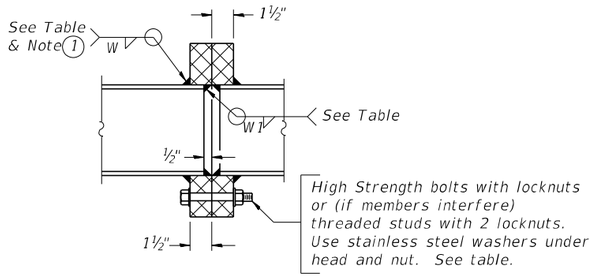
OVERHEAD SIGN STRUCTURE – ALUMINUM TRUSS
DETAILS FOR TRUSS TYPES I-A, II-A AND III-A

SHEET 2 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	839
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

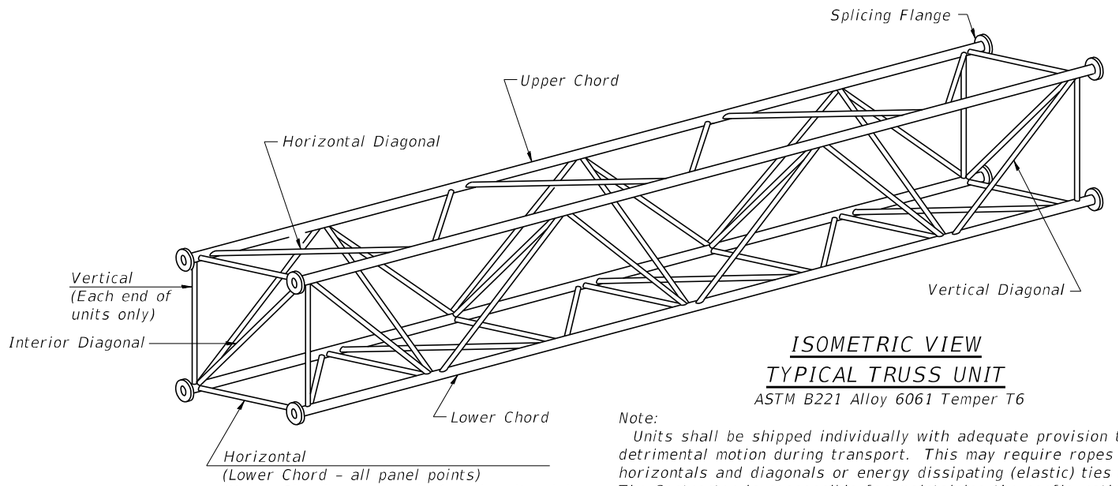
TRUSS UNIT TABLE

Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical,Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange					
			No. Panels per Unit	Unit Lgth.(Le)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(Li)	Panel Lgth.(P)	O.D.	Wall	O.D.	Wall		Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	W1		
1S099I055R250.5	NB I-55, 218+70	II-A	5	29'-2"	5'-5½"	1	4	23'-1"	5'-5½"	5½"	5/16"	3"	5/16"	1 15/16"	6	1"	7/16"	5/16"	11¼"	15"
1S099I055R250.7	NB I-55, 233+90	III-A	5	29'-2"	5'-5½"	1	4	23'-1"	5'-5½"	7"	5/16"	3¼"	5/16"	1"	6	1"	7/16"	5/16"	11¼"	15"
1S099I055R251.0	NB I-55, 248+63	III-A	5	28'-11½"	5'-5"	1	6	33'-9"	5'-5"	7"	5/16"	3¼"	5/16"	1 13/16"	6	1"	7/16"	5/16"	11¼"	15"
1S099I055L251.8	SB I-55, 290+40	III-A	5	28'-11½"	5'-5"	1	6	33'-9"	5'-5"	7"	5/16"	3¼"	5/16"	1 13/16"	6	1"	7/16"	5/16"	11¼"	15"
1S099I055L252.3	SB I-55, 314+80	II-A	5	28'-11½"	5'-5"	1	6	33'-9"	5'-5"	5½"	5/16"	3"	5/16"	2½"	6	7/8"	3/8"	1/4"	9¼"	12¼"
1S099I055L253.0	SB I-55, 355+50	II-A	5	28'-11½"	5'-5"	1	6	33'-9"	5'-5"	5½"	5/16"	3"	5/16"	2½"	6	7/8"	3/8"	1/4"	9¼"	12¼"
1S099I055L253.4	SB I-55, 376+00	II-A	7	38'-4"	5'-2½"	0	–	–	–	5½"	5/16"	3"	5/16"	3/4"	6	7/8"	3/8"	1/4"	9¼"	12¼"
1S099I55CR251.2	I-55 NB Exit Ramp C to NB and SB DDI, 808+43	I-A	7	35'-8½"	4'-10"	1	6	30'-3"	4'-10"	5½"	5/16"	2½"	5/16"	3¼"	6	7/8"	3/8"	1/4"	9¼"	12¼"
1S099I55AL251.6	I-55 SB Ramp A to DDI, 912+57	I-A	8	38'-2½"	4'-6½"	0	–	–	–	5½"	5/16"	2½"	5/16"	2"	6	7/8"	3/8"	1/4"	9¼"	12¼"
1S099S059L000.3	Ramp D/IL 59 (DDI SB), 7005+16	II-A	5	27'-4¾"	5'-1¼"	1	6	31'-10½"	5'-1¼"	5½"	5/16"	3"	5/16"	2¼"	6	7/8"	3/8"	1/4"	9¼"	12¼"
1S099S059C000.3	IL 59 (DDI NB), 8005+42	I-A	7	35'-8½"	4'-10"	1	6	30'-3"	4'-10"	5½"	5/16"	2½"	5/16"	3¼"	6	7/8"	3/8"	1/4"	9¼"	12¼"
1S099S059C000.1	IL 59 (DDI NB), 8013+87	III-A	7	37'-5½"	5'-1"	1	6	31'-9"	5'-1"	7"	5/16"	3¼"	5/16"	2 9/16"	6	1"	7/16"	5/16"	11½"	15"
1S099LGATC000.0	IL 59 (DDI NB), 8025+70	I-A	6	30'-9"	4'-9¾"	1	6	30'-1½"	4'-9¾"	5½"	5/16"	2½"	5/16"	2¾"	6	7/8"	5/16"	1/4"	9¼"	12¼"



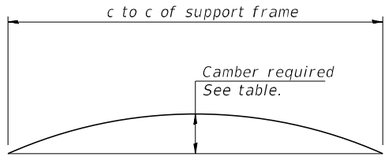
SECTION B-B

(1) Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.



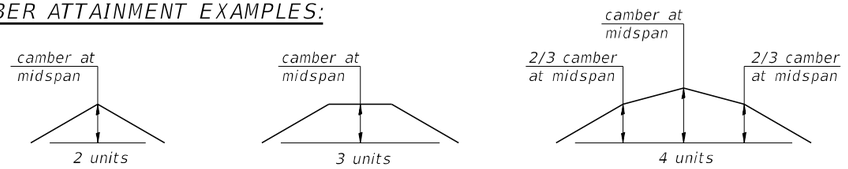
ISOMETRIC VIEW
TYPICAL TRUSS UNIT
ASTM B221 Alloy 6061 Temper T6

Note:
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.

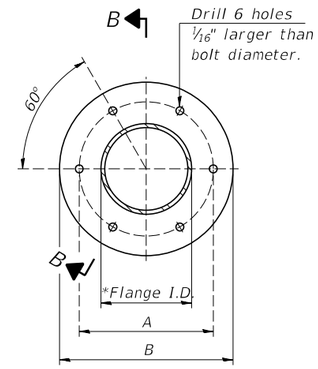


CAMBER DIAGRAM
Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

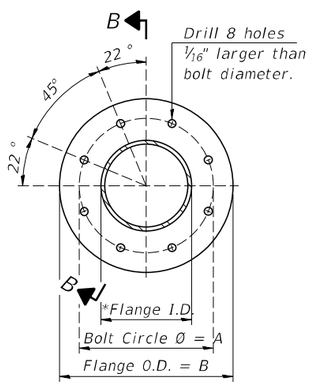
CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)



TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A

SPLICING FLANGES
ASTM B221, Alloy 6061-T6
or ASTM B209, Alloy 6061-T651
*To fit O.D. of Chord with maximum gap of 1/16".

OS4-A-2 2-17-2017

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10748

USER NAME = kkenny	DESIGNED - WKK	REVISED -	
	CHECKED - JHG	REVISED -	
PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURE – ALUMINUM TRUSS DETAILS FOR TRUSS TYPES I-A, II-A AND III-A

SHEET 3 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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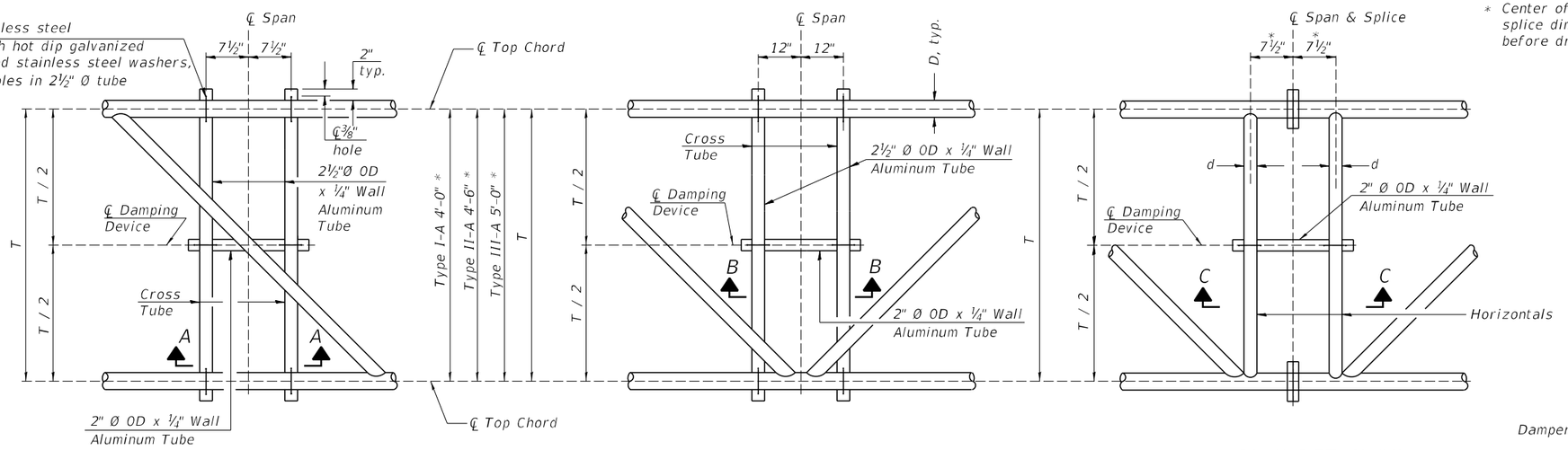
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

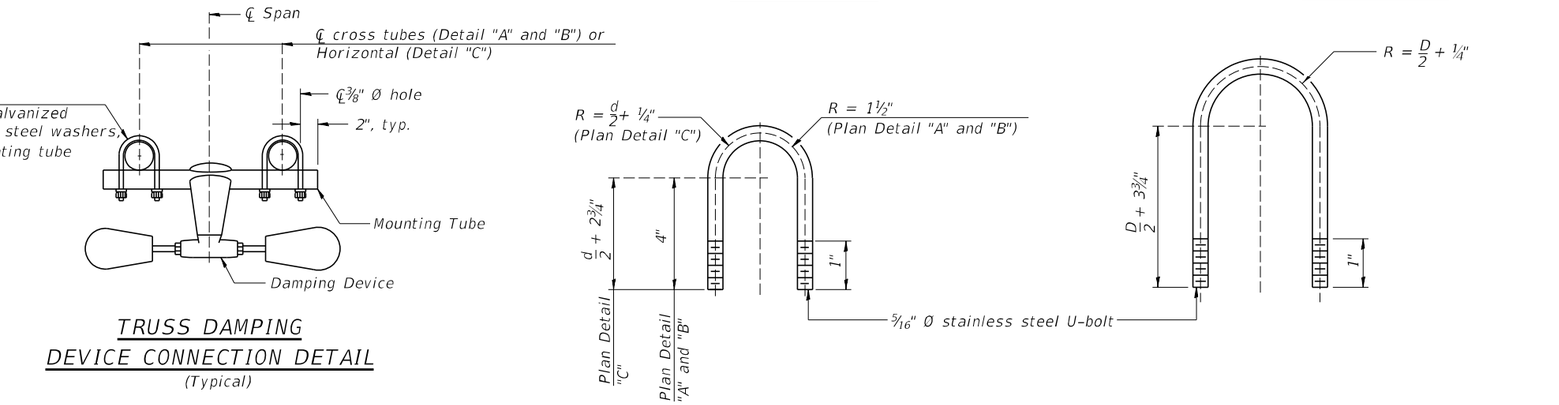


* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.

PLAN DETAIL "A"
℄ Span between Panel Points

PLAN DETAIL "B"
℄ Span at Panel Point

PLAN DETAIL "C"
℄ Span at ℄ Chord Splice



SECTION A-A

SECTION B-B

SECTION C-C

TRUSS DAMPING DEVICE CONNECTION DETAIL
(Typical)

DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)

TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical - Detail "A" and "B")

ELEVATION
Aluminum Overhead Sign Truss

NOTES

Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29" minimum between ends of weights) Cost included in Overhead Sign Structure...

Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...

OS-A-D 2-17-2017

benesch, Alfred Benesch & Company, 25 W Wacker Drive, Suite 3300, Chicago, Illinois 60601, 312-565-0450, Job No. 10740	USER NAME = kkenny	DESIGNED - WKK	REVISED -
		CHECKED - JHG	REVISED -
	PLOT SCALE =	DRAWN - AJB	REVISED -
	DATE = 02/04/2022	CHECKED - JHG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURE
DAMPING DEVICE

SHEET 4 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	841
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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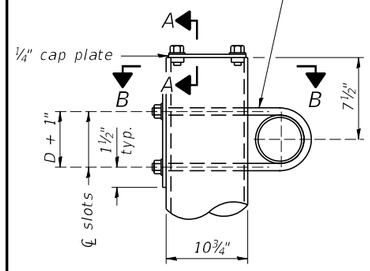
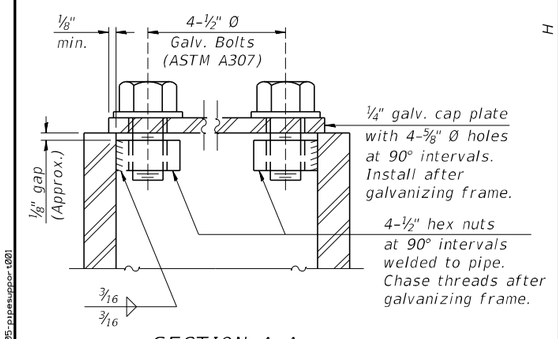
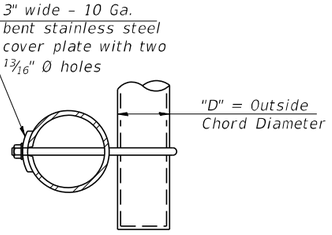


DETAIL A

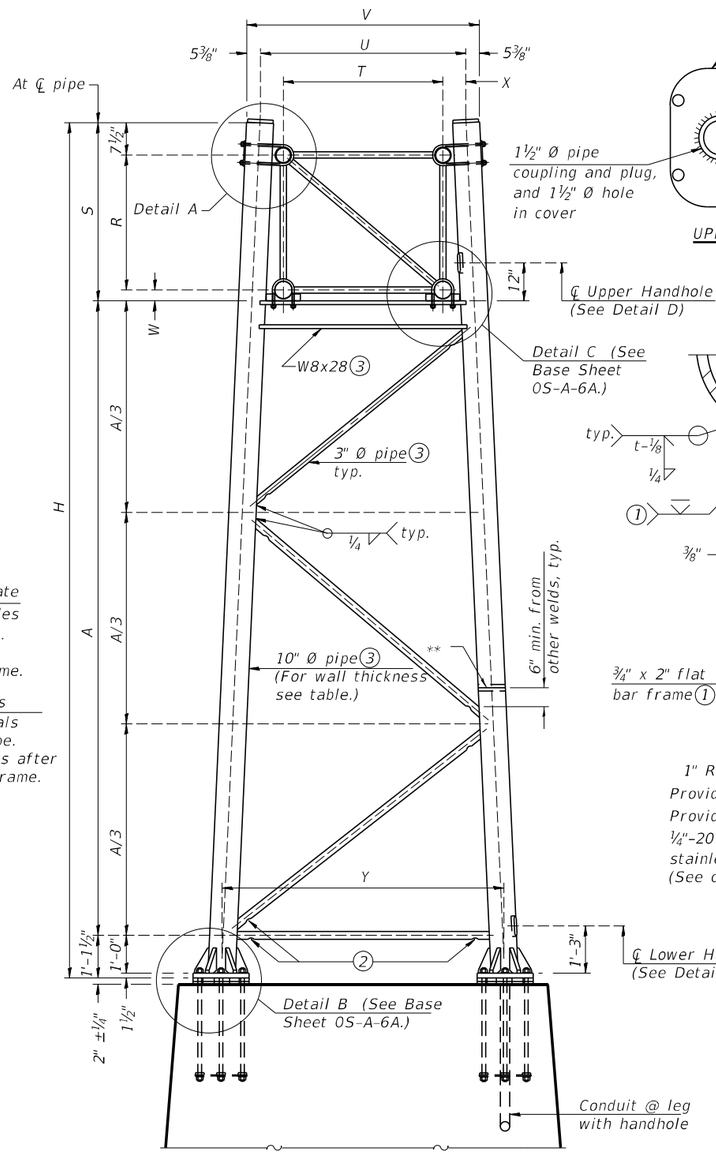


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.

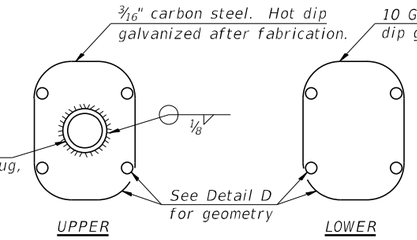


SECTION B-B

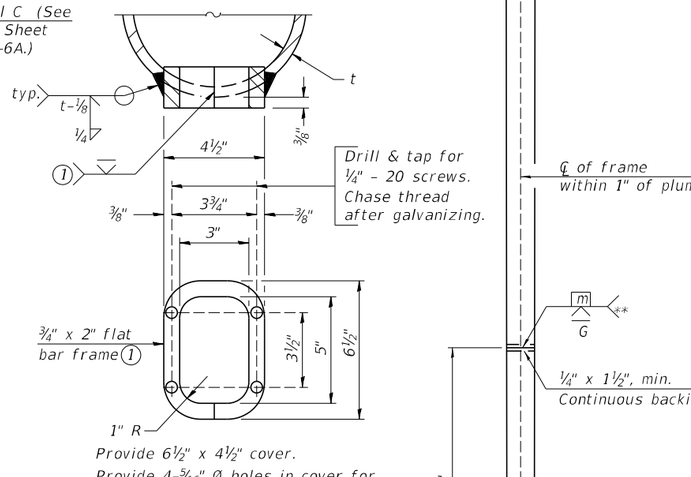


For Foundation Details, see base sheet 0S4-F3 (Drilled Shaft).

SIDE ELEVATION

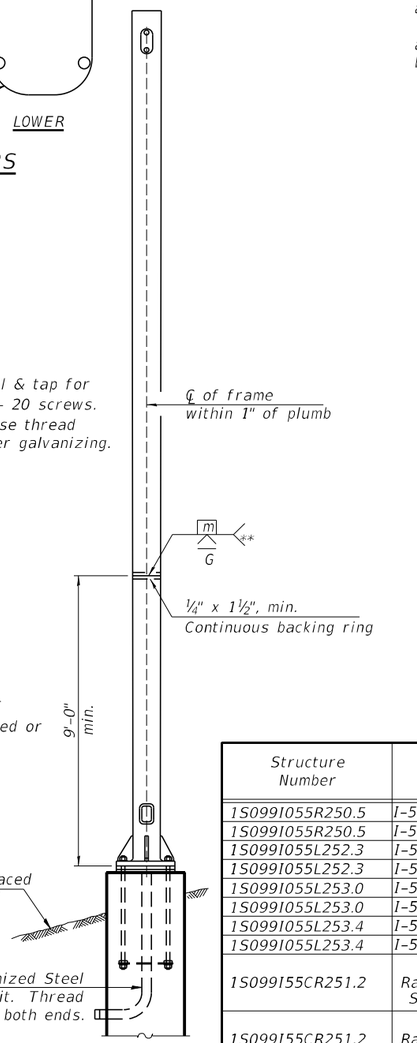


HANDHOLE COVERS



Provide 6½" x 4½" cover.
Provide 4-5/16" Ø holes in cover for ¼"-20 round head hot dip galvanized or stainless steel machine screws.
(See cover details)

DETAIL D



END ELEVATION

Support Design Loads: See Base Sheet 0S-A-1 for design and loading criteria.
Load combinations checked include deadload plus:
a) 100% wind normal to sign, 20% parallel to sign
b) 60% wind normal to sign, 30% parallel to sign

(1) In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500µ in or less.

(2) Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.

(3) Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet 0S-A-1.

(4) See General Notes for fasteners.

(5) Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.

(6) "H" based on 15'-0" or actual sign height, whichever is greater.

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5½"	4'-0"	5'-6"	6'-4¾"	4"	9"	8'-3"
II-A (5)	5'-3"	6'-3¼"	4'-6"	6'-1"	6'-11¾"	4¾"	9½"	8'-3"

10" Ø PIPE TRUSS SUPPORT FRAME

** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Station	Support Left	Support Right	Truss Type	Pipe Wall Thickness	H (6)	A
1S099I055R250.5	I-55 NB, 218+70 RT		✔	II-A	0.365"	26.27'	18.88'
1S099I055R250.5	I-55 NB, 218+70 RT	✔		II-A	0.365"	25.03'	17.63'
1S099I055L252.3	I-55 SB, 314+80 LT		✔	II-A	0.365"	30.00'	22.61'
1S099I055L252.3	I-55 SB, 314+80 LT	✔		II-A	0.365"	25.53'	18.14'
1S099I055L253.0	I-55 SB, 355+50 LT		✔	II-A	0.365"	28.41'	21.02'
1S099I055L253.0	I-55 SB, 355+50 LT	✔		II-A	0.365"	24.84'	17.44'
1S099I055L253.4	I-55 SB, 376+00 LT		✔	II-A	0.365"	28.01'	20.62'
1S099I055L253.4	I-55 SB, 376+00 LT	✔		II-A	0.365"	25.28'	17.88'
1S099I55CR251.2	I-55 NB Exit Ramp C to NB and SB DDI, 808+43		✔	I-A	0.279"	28.44'	21.86'
1S099I55CR251.2	I-55 NB Exit Ramp C to NB and SB DDI, 808+43	✔		I-A	0.279"	28.44'	21.86'
1S099I55AL251.6	I-55 SB Ramp A to DDI, 912+57		✔	I-A	0.279"	29.28'	22.69'
1S099I55AL251.6	I-55 SB Ramp A to DDI, 912+57	✔		I-A	0.279"	25.88'	19.30'
1S099S059L000.3	Ramp D/IL 59 (DDI SB), 7005+16		✔	II-A	0.365"	27.43'	20.04'
1S099S059L000.3	Ramp D/IL 59 (DDI SB), 7005+16	✔		II-A	0.365"	25.02'	17.63'
1S099S059C000.3	IL 59 (DDI NB), 8005+42		✔	I-A	0.279"	26.68'	20.10'
1S099S059C000.3	IL 59 (DDI NB), 8005+42	✔		I-A	0.279"	26.68'	20.10'
1S099LGATC000.0	IL 59 (DDI NB), 8025+70		✔	I-A	0.279"	27.20'	20.62'
1S099LGATC000.0	IL 59 (DDI NB), 8025+70	✔		I-A	0.279"	25.04'	18.46'

0S-A-6 6-1-2012

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312-565-0450 Job No. 10740

USER NAME = kkenny | DESIGNED - WKK | REVISED -
CHECKED - JHG | REVISED -
PLOT SCALE = | DRAWN - AJB | REVISED -
DATE = 02/04/2022 | CHECKED - JHG | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR ALUMINUM TRUSS
SHEET 5 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	842
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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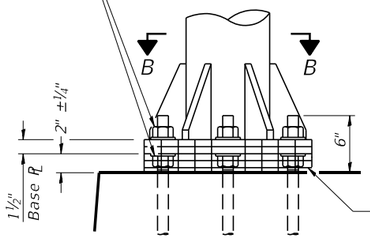
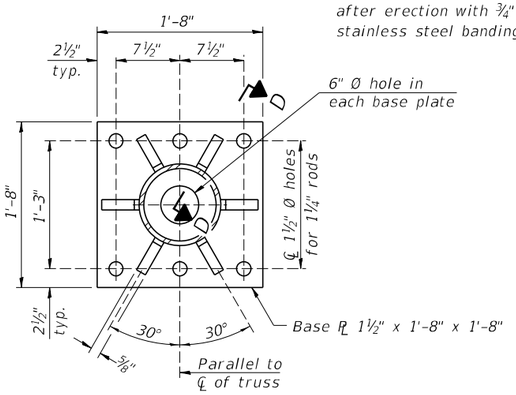
Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.



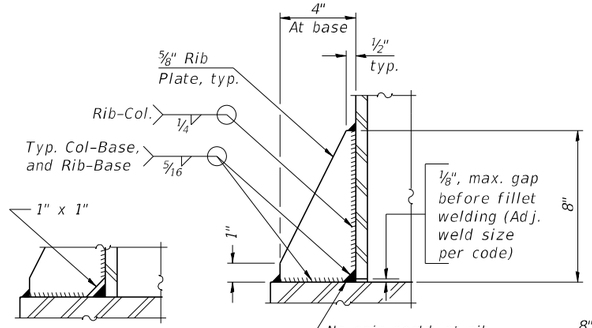
Stainless Steel Standard Grade Wire Cloth, 3" wide, ¼" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with ¾" stainless steel banding.

DETAIL B

Ribs shall be cut to fit slope of pipe.



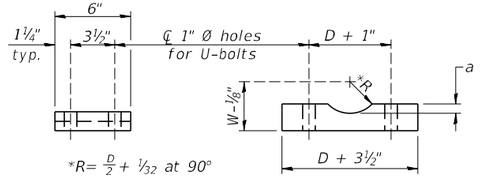
SECTION B-B



** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib ¼" from snip.

No snip req'd. at rib inside corner if placed before col. to base plate welding.**

SECTION D-D



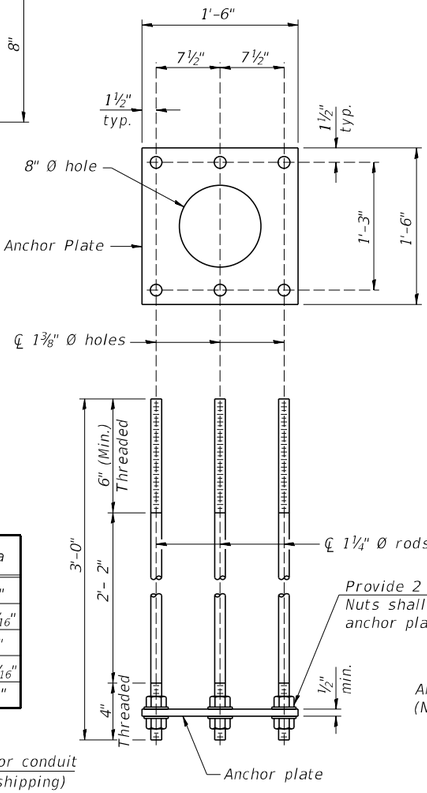
*R= D/2 + 1/32 at 90°

D = Outside Diameter of Chord.
For W, see Base Sheet OS-A-6.

SADDLE SHIM DETAIL

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

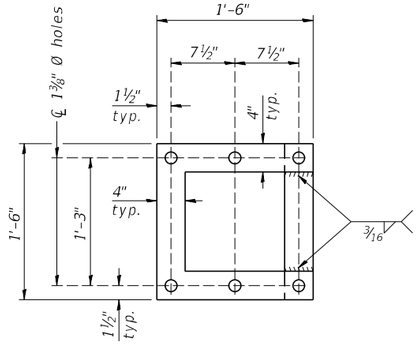
Truss Chord Nominal Dia.	a
5"	¾"
5½"	13/16"
6"	⅞"
6½"	15/16"
7"	1"



All Thread = NC
(National Coarse)

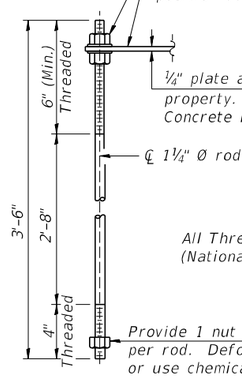
ANCHOR ROD DETAIL

Spread Footing Foundation



Optionally may use four (4) separate bars. Weld to maintain perpendicularity.

POSITIONING PLATE(S)



At each location, provide ¼" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.

¼" plate and extra nuts become Contractor's property. Cost included in Drilled Shaft Concrete Foundations.

℄ 1¼" Ø rod

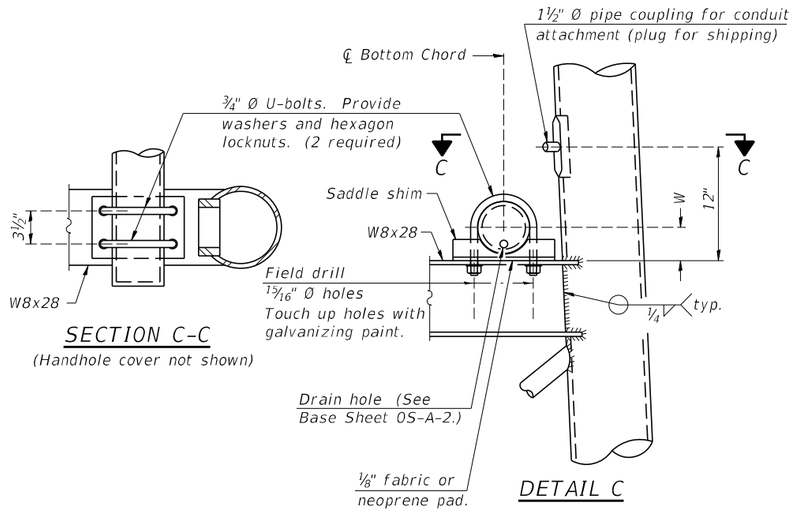
All Thread = NC
(National Coarse)

Provide 1 nut per rod. Deform thread or use chemical thread lock to secure.

ANCHOR ROD DETAIL

Drilled Shaft Foundation

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.



SECTION C-C

(Handhole cover not shown)

DETAIL C

10" Ø PIPE SUPPORT FRAME DETAILS

OS-A-6A 2-17-2017

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312-565-0450 Job No. 10740

USER NAME = kkenny	DESIGNED - WKK	REVISED -
	CHECKED - JHG	REVISED -
PLOT SCALE =	DRAWN - AJB	REVISED -
DATE = 02/04/2022	CHECKED - JHG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME DETAILS – ALUMINUM TRUSS
SHEET 6 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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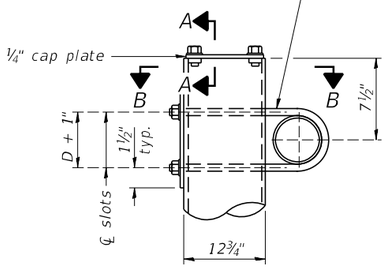
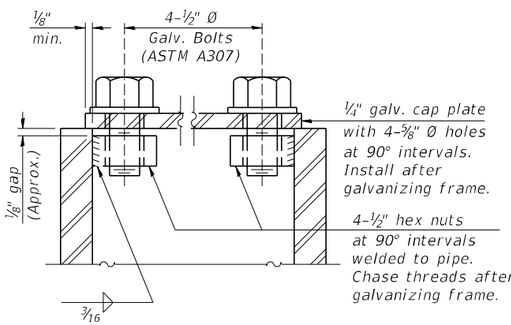
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

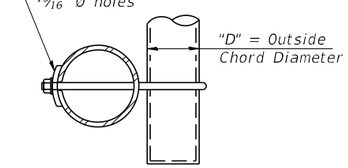


DETAIL A

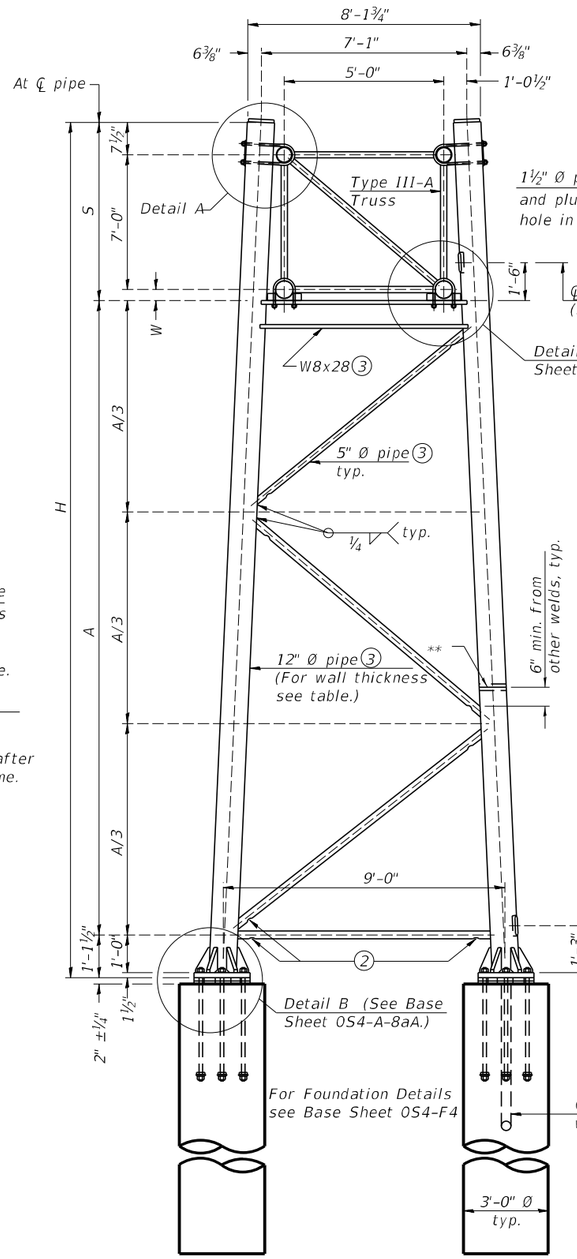


SECTION A-A

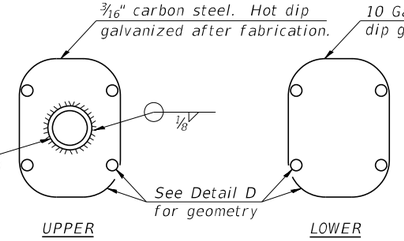
As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



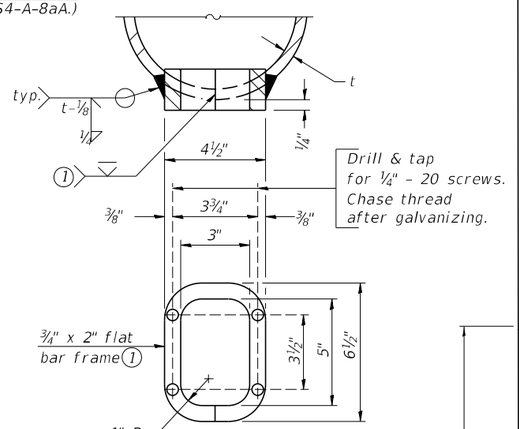
SECTION B-B



SIDE ELEVATION

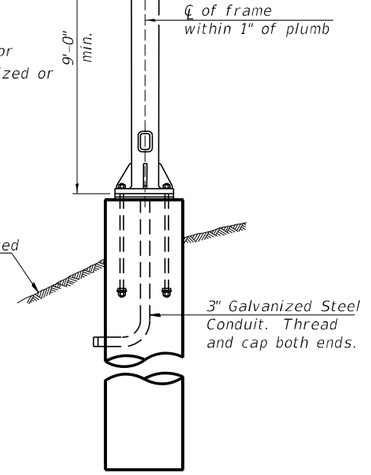


HANDHOLE COVERS



DETAIL D

Dimensions		
Truss Chord Nominal Dia.	W	S
7"	4¾"	8'-0¼"
8½"	5½"	8'-1"
9"	5¾"	8'-1¼"



END ELEVATION

Support Design Loads: See Base Sheet 0S-A-1 for design and loading criteria.
Load combinations checked include deadload plus:
a) 100% wind normal to sign, 20% parallel to sign
b) 60% wind normal to sign, 30% parallel to sign

(1) In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 µin or less.

(2) Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.

(3) Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet 0S-A-1.

(4) See General Notes for fasteners.

(5) Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.

(6) "H" based on 15'-0" or actual sign height, whichever is greater.

* For dynamic message sign installations, provide upper and lower handholes in both legs of each support frame.

TRUSS SUPPORT DETAILS

(12" Ø Pipe-Type III-A Truss)

** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Station	Support Left	Support Right	Pipe Wall Thickness	H (6)	A
1S099I055R250.7	NB I-55, 233+90		✔	0.33"	28.63'	19.48'
1S099I055R250.7	NB I-55, 233+90	✔		0.33"	25.57'	16.42'
1S099I055R251.0	NB I-55, 248+63		✔	0.33"	28.24'	19.09'
1S099I055R251.0	NB I-55, 248+63	✔		0.33"	25.72'	16.58'
1S099I055L251.8	SB I-55, 290+40		✔	0.33"	30.06'	20.91'
1S099I055L251.8	SB I-55, 290+40	✔		0.33"	25.31'	16.16'
1S099S059C000.1	IL 59 NB, 8013+87		✔	0.33"	26.18'	17.03'
1S099S059C000.1	IL 59 NB, 8013+87	✔		0.33"	29.85'	20.70'

0S4-A-8a 2-17-2017

MODEL: Default
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	CHECKED - JHG	REVISED -
PLOT SCALE =	DRAWN - AJB	REVISED -
DATE = 02/04/2022	CHECKED - JHG	REVISED -

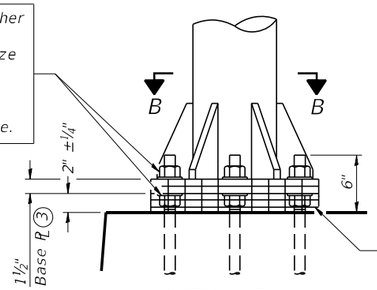
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES – SUPPORT FRAME FOR TYPE III-A ALUMINUM TRUSS

SHEET 7 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	844
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

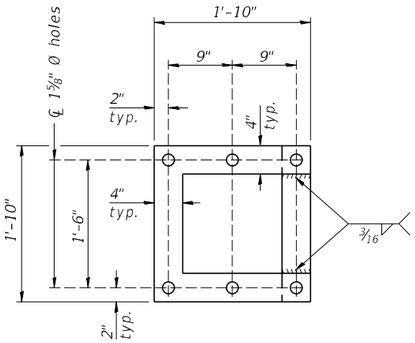
Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.



Stainless Steel Standard Grade Wire Cloth, 3" wide, ¼" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with ¾" stainless steel banding.

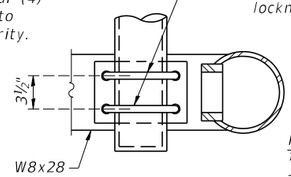
DETAIL B

Ribs shall be cut to fit slope of pipe.



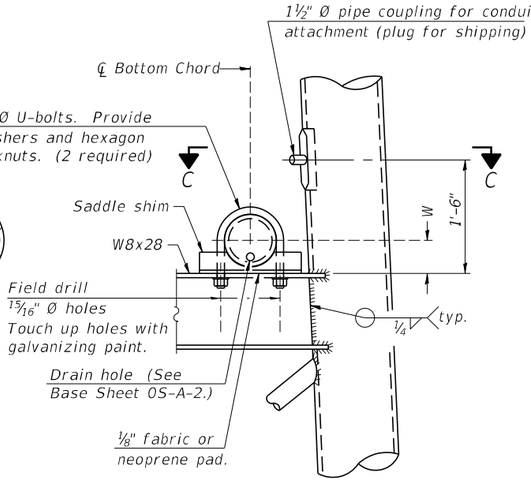
Optionally may use four (4) separate bars. Weld to maintain perpendicularity.

POSITIONING PLATE(S)

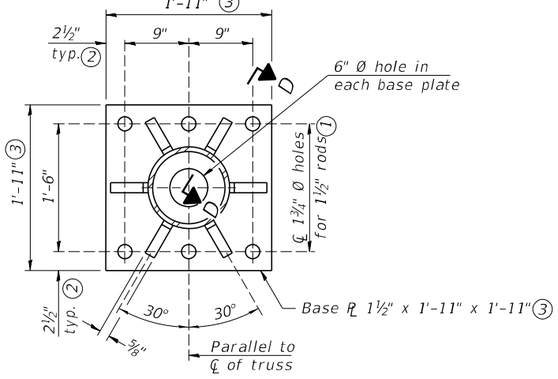


SECTION C-C

(Handhole cover not shown)



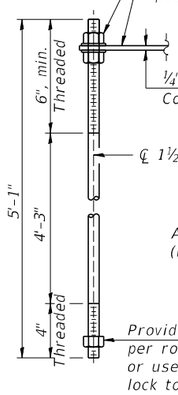
DETAIL C



SECTION B-B

At each location, provide ¼" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.

¼" plate and extra nuts become Contractor's property. Cost included in "Drilled Shaft Concrete Foundation".

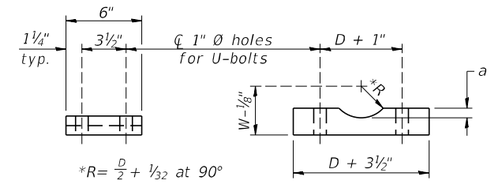


All Thread = NC (National Coarse)

Provide 1 nut per rod. Deform thread or use chemical thread lock to secure.

ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105 Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.



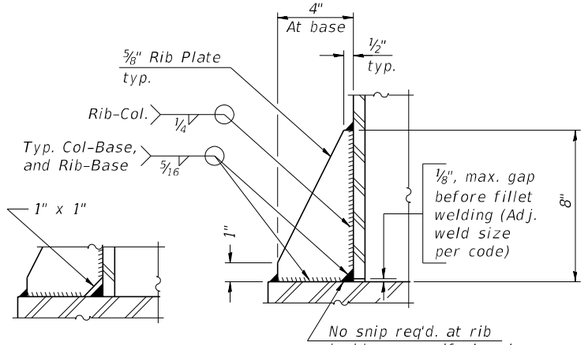
*R= $\frac{D}{2}$ + 1/32 at 90°

D = Outside Diameter of Chord.
For W, see Base Sheet OS-A-6.

Truss Chord Nominal Dia.	a
7"	1"
8½"	1¼"
9"	1⅜"

SADDLE SHIM DETAIL

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)



** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib ¼" from snip.

No snip req'd. at rib inside corner if placed before col. to base plate welding.**

SECTION D-D

TYPE III-A TRUSS
12" Ø PIPE SUPPORT FRAME DETAILS

Notes:
For Type III-A Truss spans greater than 150 ft, and up to 160 ft.:

(1) 1¾" Ø rod, 2" Ø holes

(2) 2¾" edge distance

(3) Base PL 1⅝" x 1'-11½" x 1'-11½"

OS4-A-8aA 6-1-2012

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PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR TYPE III-A ALUMINUM TRUSS

SHEET 8 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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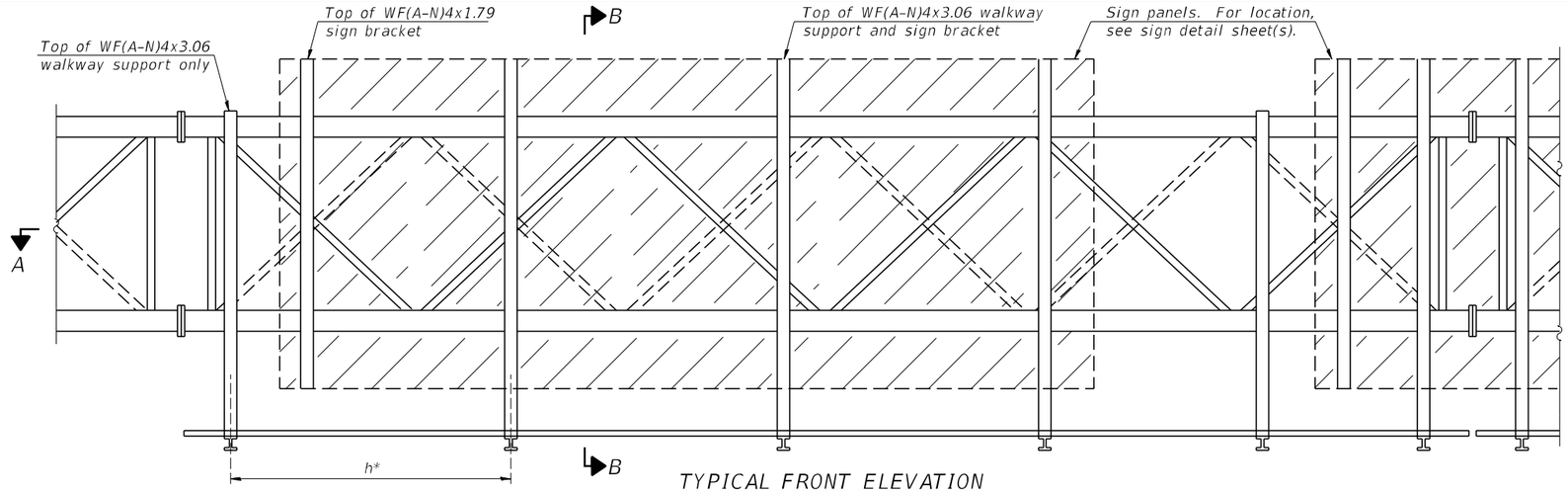
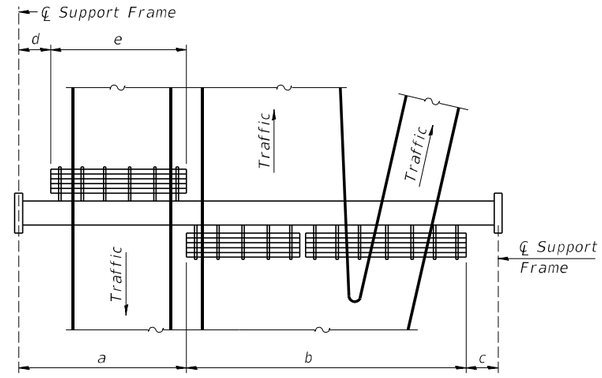
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



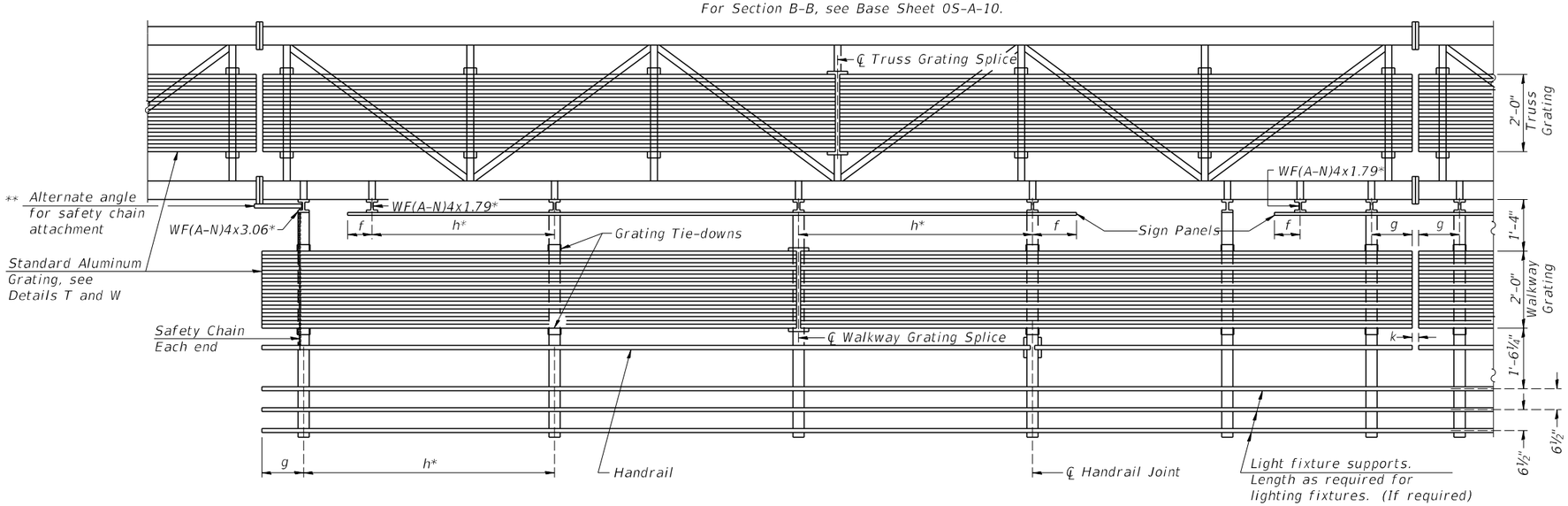
TYPICAL FRONT ELEVATION

With lights and handrail omitted for clarity.
For Section B-B, see Base Sheet 0S-A-10.



PLAN
WALKWAY AND HANDRAIL SKETCH

(Road plan beneath truss varies)



SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints.
Place all sign and walkway brackets as close to panel points as practical.
Handrail joints, grating, and light support splices placed as needed.

BRACKET TABLE

WF(A-N)4x1.79 or WF(A-N)4x3.06
ASTM B308, Alloy 6061-T6

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

Notes:

* *Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:*

f = 12" maximum, 4" minimum (End of sign to ℄ of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway grating to ℄ of nearest support bracket)
h = 6'-0" maximum (℄ to ℄ sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)
k = 2" maximum gap between adjacent walkway grating sections and handrail ends

** *If walkway bracket at safety chain location is behind sign, add angle to bracket.*

For Details T and W, Section B-B and Grating Splice Details see Base Sheet 0S-A-10.

Walkway grating, walkway supports, handrail, and lighting are not included in this contract. Information shown on this sheet shall be used for truss grating and sign brackets only.

Truss grating to facilitate inspection shall run full length (center to center of support frames) ±12" on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure".

Walkway and Truss Grating width dimensions are nominal and may vary ±½" based on available standard widths.

0S-A-9 *2-17-2017*

MODEL: Default
FILE NAME: p:\benesch-pw.bentley.com\benesch-pw-01\Documents\107080\107408.00\Eng Docs - Phase II\Structures\SignStructures\Final\D162H15-SS09-alum walkway dtls

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	CHECKED - JHG	REVISED -
PLOT SCALE =	DRAWN - AJB	REVISED -
DATE = 02/04/2022	CHECKED - JHG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS (1 OF 2)

SHEET 9 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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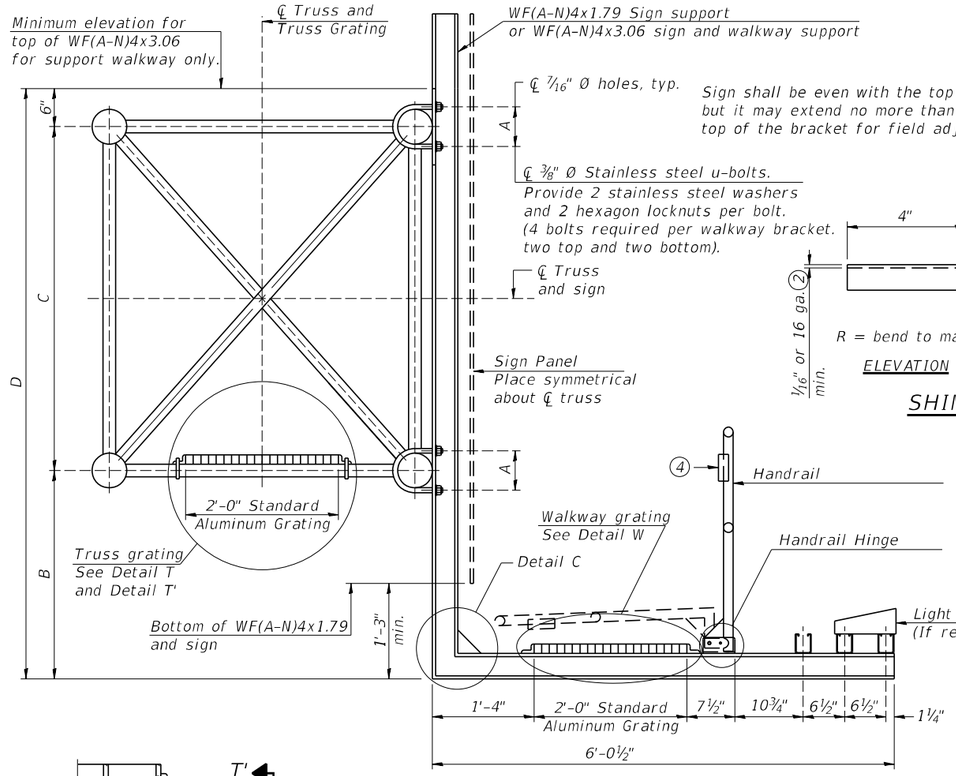
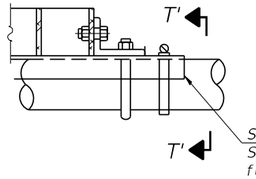
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



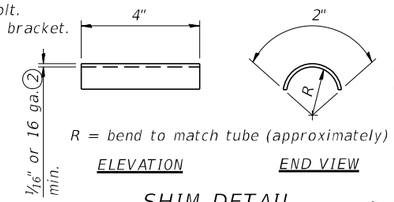
SECTION B-B



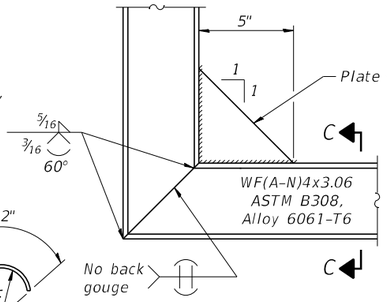
DETAIL T'

(Truss grating splice)

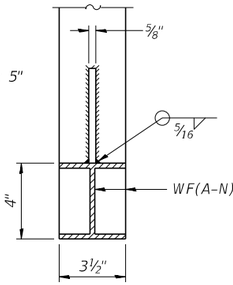
Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.



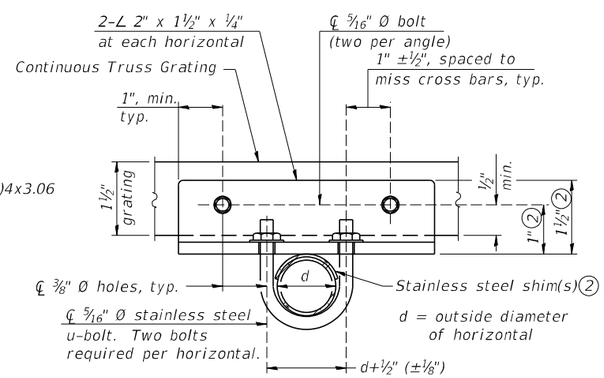
SHIM DETAIL



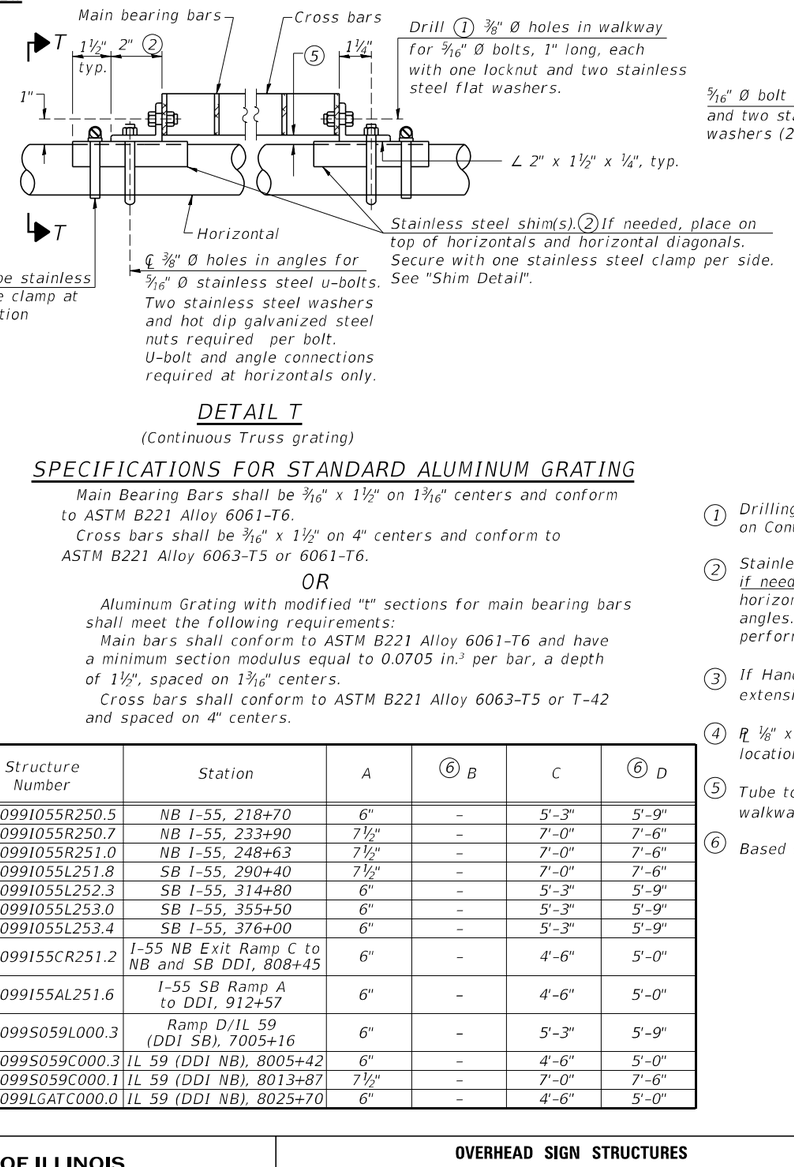
DETAIL C



SECTION C-C

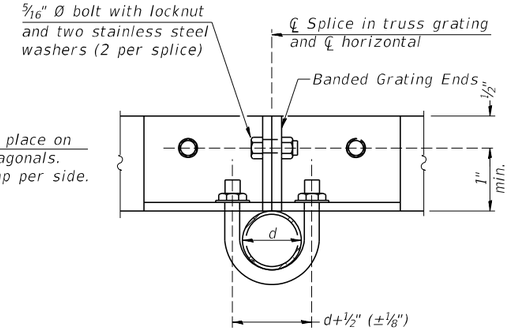


SECTION T-T

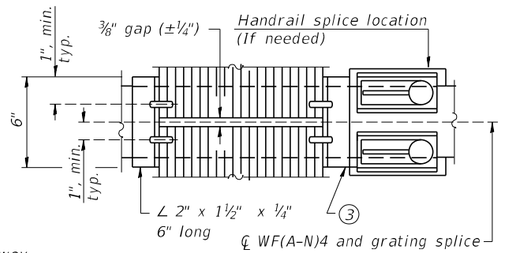


DETAIL T

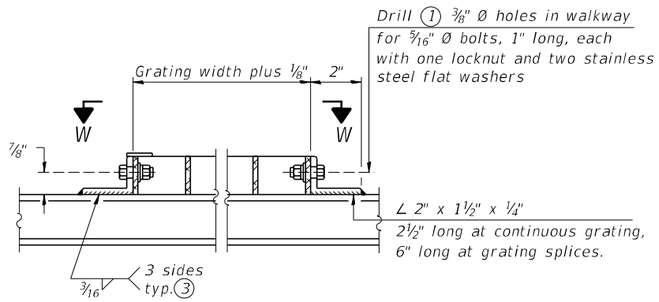
(Continuous Truss grating)



SECTION T'-T'

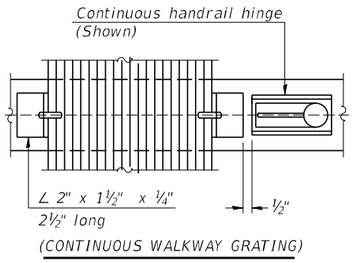


(AT WALKWAY GRATING SPLICE)



DETAIL W

(Walkway grating)



(CONTINUOUS WALKWAY GRATING)

SECTION W-W

Walkway grating, walkway supports, handrail, and lighting are not included in this contract. Information shown on this sheet shall be used for truss grating and sign brackets only.

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16" x 1½" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.

Cross bars shall be 3/16" x 1½" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "t" sections for main bearing bars shall meet the following requirements:

Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1½", spaced on 1 3/16" centers.

Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	(6) B	C	(6) D
1S099I055R250.5	NB I-55, 218+70	6"	-	5'-3"	5'-9"
1S099I055R250.7	NB I-55, 233+90	7½"	-	7'-0"	7'-6"
1S099I055R251.0	NB I-55, 248+63	7½"	-	7'-0"	7'-6"
1S099I055L251.8	SB I-55, 290+40	7½"	-	7'-0"	7'-6"
1S099I055L252.3	SB I-55, 314+80	6"	-	5'-3"	5'-9"
1S099I055L253.0	SB I-55, 355+50	6"	-	5'-3"	5'-9"
1S099I055L253.4	SB I-55, 376+00	6"	-	5'-3"	5'-9"
1S099I55CR251.2	I-55 NB Exit Ramp C to NB and SB DDI, 808+45	6"	-	4'-6"	5'-0"
1S099I55AL251.6	I-55 SB Ramp A to DDI, 912+57	6"	-	4'-6"	5'-0"
1S099S059L000.3	Ramp D/IL 59 (DDI SB), 7005+16	6"	-	5'-3"	5'-9"
1S099S059C000.3	IL 59 (DDI NB), 8005+42	6"	-	4'-6"	5'-0"
1S099S059C000.1	IL 59 (DDI NB), 8013+87	7½"	-	7'-0"	7'-6"
1S099LGATC000.0	IL 59 (DDI NB), 8025+70	6"	-	4'-6"	5'-0"

1. Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
2. Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
3. If Handrail Joint present, weld angle to WF(A-N)4 and ¼" extension bars.
4. PL ⅛" x ½" x 2" welded to handrail posts to protect locations that contact grating.
5. Tube to grating gap may vary from 0 to ½", max. to align walkway, allow for camber, etc.
6. Based on actual height of tallest sign given on OS-A-1.

OS-A-10

2-17-2017

MODEL: Default
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\10720\s\10740.00\Eng Docs Phase II\Structures\SignStructures\Final\D162H15-SS10-walkway dtls

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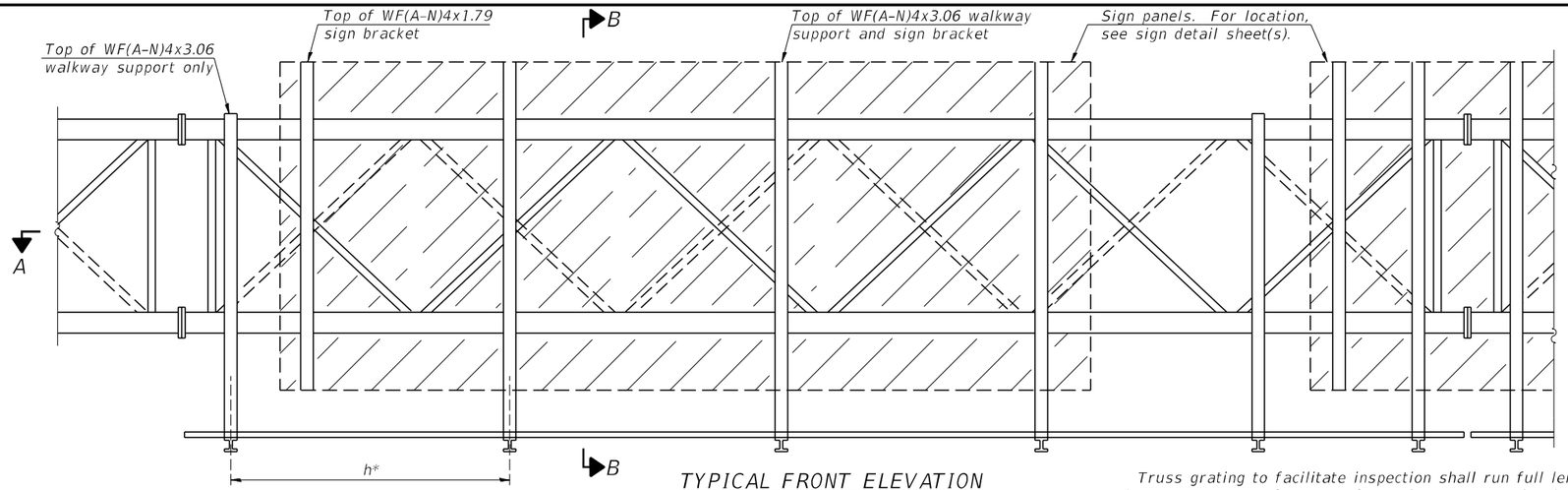
Job No. 10740

USER NAME = kkenny
PLOT SCALE =
DATE = 02/04/2022
DESIGNED - WKK
DRAWN - AJB
CHECKED - JHG
CHECKED - JHG
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS (2 OF 2)
SHEET 10 OF 35 SHEETS

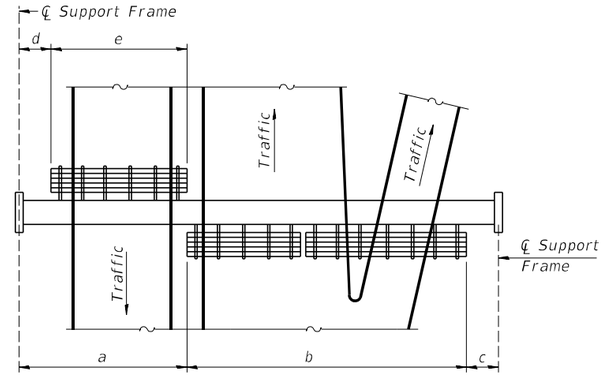
F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	847
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



TYPICAL FRONT ELEVATION

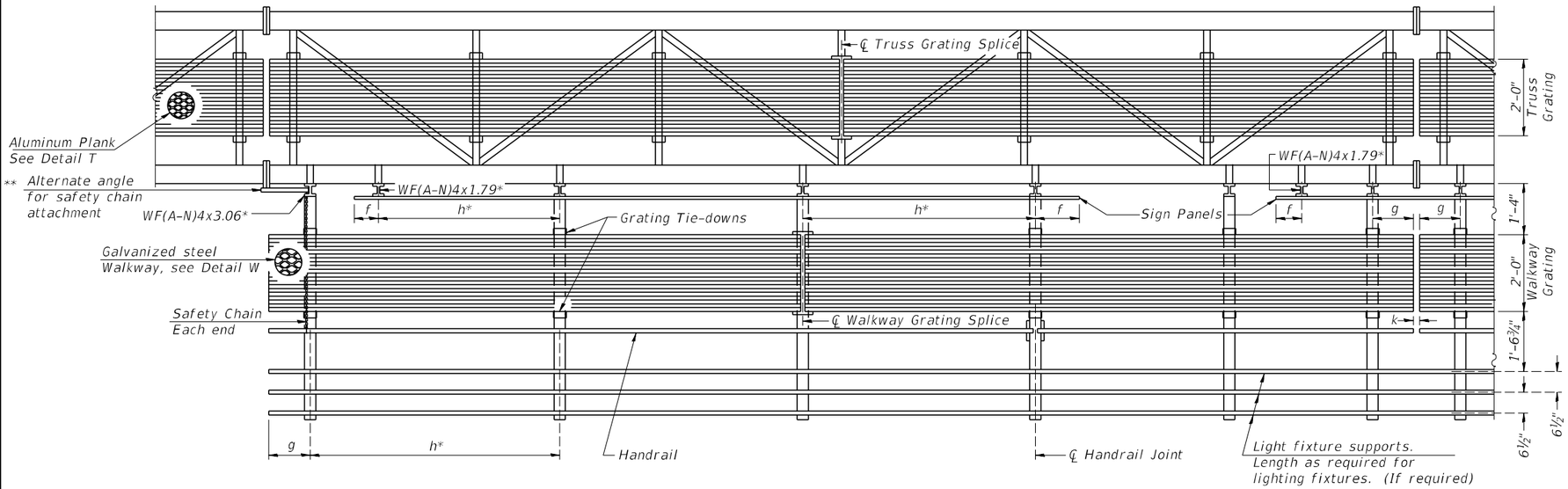
With lights and handrail omitted for clarity.
For Section B-B, see Base Sheet 0S-A-10.

Truss grating to facilitate inspection shall run full length (center to center of support frames) ±12" on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure".



PLAN
WALKWAY AND HANDRAIL SKETCH

(Road plan beneath truss varies)



SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints.
Place all sign and walkway brackets as close to panel points as practical.
Handrail joints, grating, and light support splices placed as needed.

BRACKET TABLE

WF(A-N)4x1.79 or WF(A-N)4x3.06 ASTM B308, Alloy 6061-T6		
Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

Note:
Details shown are considered equal alternatives to the Aluminum Walkway on Base Sheet 0S-A-9, and may be substituted by Contractor at no change in contract cost.

Walkway and Truss Grating width dimensions are nominal and may vary ±½" based on available standard widths.

Walkway grating, walkway supports, handrail, and lighting are not included in this contract. Information shown on this sheet shall be used for truss grating and sign brackets only.

Notes:
* *Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:*

f = 12" maximum, 4" minimum (End of sign to ℄ of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway grating to ℄ of nearest support bracket)
h = 6'-0" maximum (℄ to ℄ sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)
k = 2" maximum gap between adjacent walkway grating sections and handrail ends

** *If walkway bracket at safety chain location is behind sign, add angle to bracket,*

For Details T and W, Section B-B and Grating Splice Details see Base Sheet 0S-A-10.

0S-A-9S *2-17-2017*

MODEL: Default
FILE NAME: pw:\benesch-pw.bentley.com:benesch-pw-01\Documents\107008\107408.00\Eng Docs Phase II\Structures\SignStructures\Final\01H2H15-SS11-alt walkway dtls

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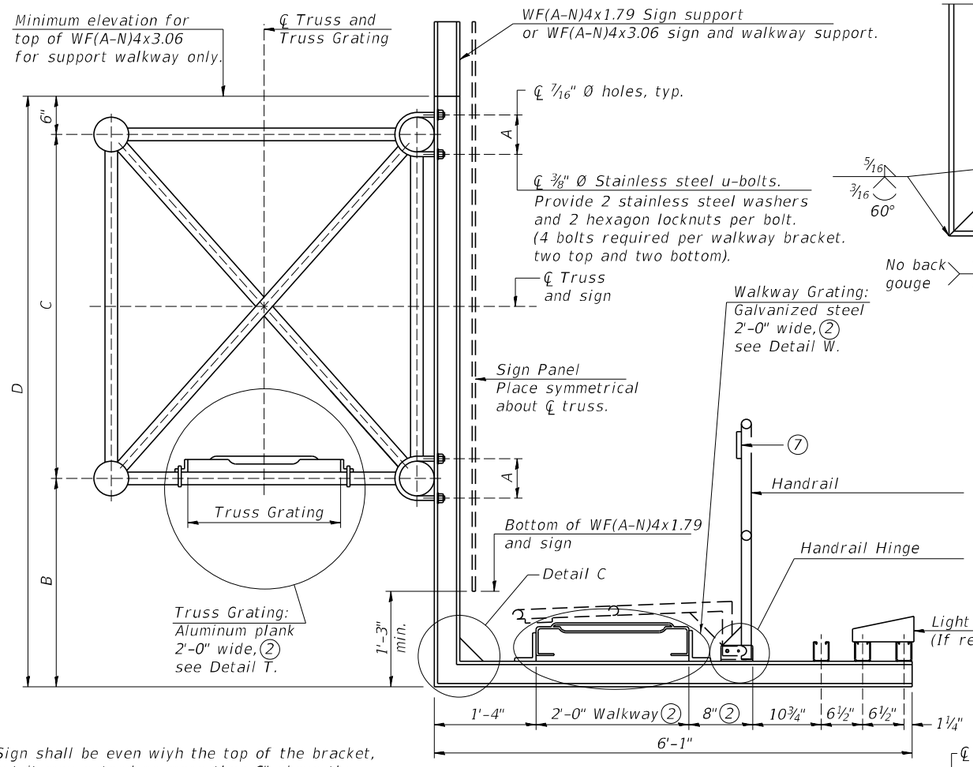
	CHECKED - JHG	REVISED -
PLOT SCALE =	DRAWN - AJB	REVISED -
DATE = 02/04/2022	CHECKED - JHG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

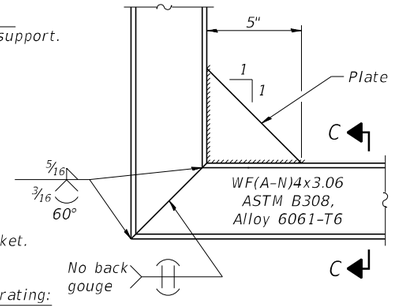
OVERHEAD SIGN STRUCTURES
ALTERNATE WALKWAY DETAILS (1 OF 2)
SHEET 11 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	848
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

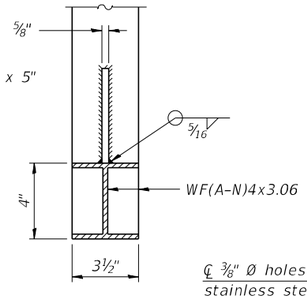


Sign shall be even wiyh the top of the bracket, but it may extend no more than 6" above the top of the bracket for field adjustments.

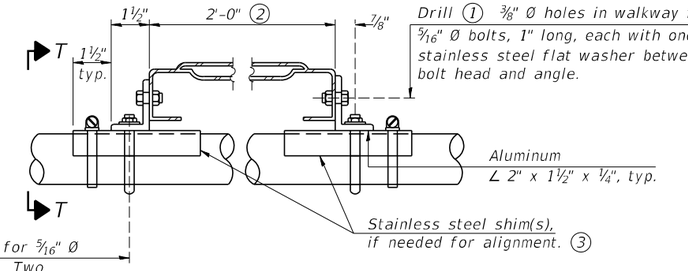
SECTION B-B



DETAIL C

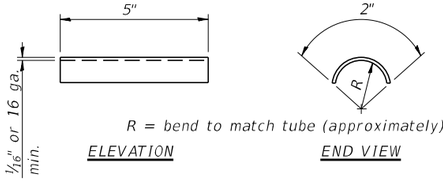


SECTION C-C

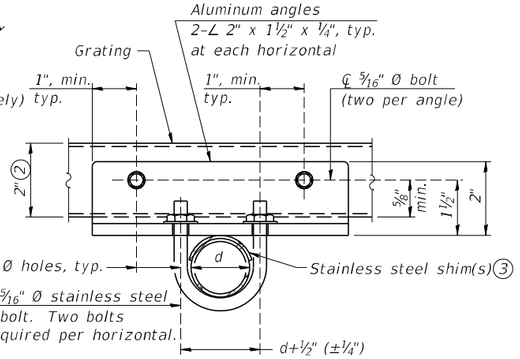


℄ ⅜" Ø holes in angles for 5⁄16" Ø stainless steel u-bolts. Two stainless steel washers and hot dip galvanized steel nuts required per bolt. U-bolt and angle connections required at horizontals only.

DETAIL T
(Truss grating at horizontal)

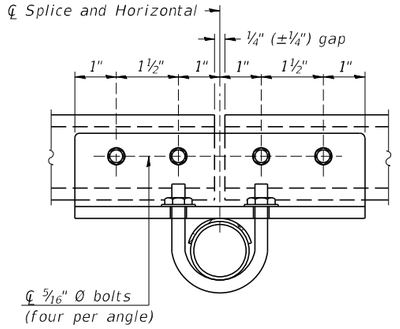


SHIM DETAIL



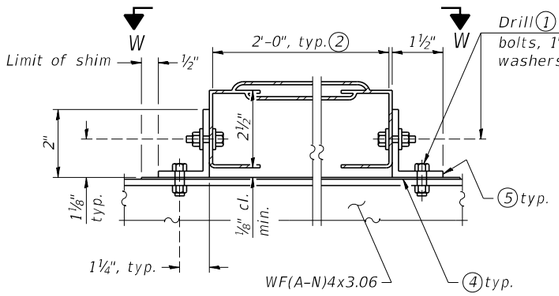
SECTION T-T
(Truss Grating Continuous)

d = outside diameter of horizontal

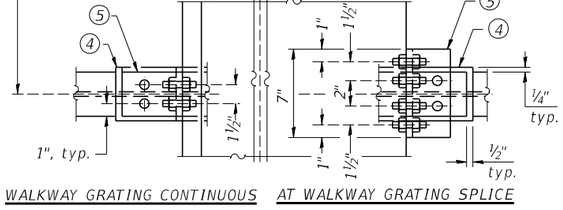


SECTION T-T
(Truss Grating Splice)

Alternate splice details and locations may be used subject to the Engineer's review and approval.



DETAIL W
GALVANIZED STEEL WALKWAY GRATING



WALKWAY GRATING CONTINUOUS AT WALKWAY GRATING SPLICE

SECTION W-W

Walkway grating, walkway supports, handrail, and lighting are not included in this contract. Information shown on this sheet shall be used for truss grating and sign brackets only.

(1) Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.

(2) Perforated or expanded metal grating providing a skid resistant (non-serrated) surface and capable of supporting a 500 pound concentrated load with a 6'-0" clear span. Walkway and truss grating dimensions are nominal and may vary (width ±½", depth ±½") based on available standard sizes. Cut ends of grating shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.

(3) Stainless steel shims shall be placed under angles at horizontals and horizontal diagonals if needed to compensate for alignment variations and differences in horizontal diagonal pipe sizes beyond adjustment provided by angles. Secure with one stainless steel clamp per location, see "Shim Detail". Thicker shim plates may be used when needed subject to shims performing properly.

(4) 1⁄16" (or 16 ga.) x 2½" x 4" stainless steel shim adhered to top of WF(A-N)4x3.06 beneath each galvanized angle. Adhesives for shims shall be suitable for materials joined and full exposure conditions.

(5) Galvanized steel ∠ 2" x 2" x ¼", 3½" long with continuous grating, 7" long at grating splice.

(6) Details shown are considered equal alternatives to the Aluminum Walkway on Base Sheet 0S-A-10 and may be substituted by Contractor at no change in contract cost.

(7) PL ⅛" x ½" x 2" welded to handrail posts to protect locations that contact grating.

(8) Based on actual height of tallest sign given on 0S-A-1.

ALUMINUM TRUSS GRATING

Structure Number	Station	A	(6) B	C	(6) D
1S099I055R250.5	NB I-55, 218+70	6"	-	5'-3"	5'-9"
1S099I055R250.7	NB I-55, 233+90	7½"	-	7'-0"	7'-6"
1S099I055R251.0	NB I-55, 248+63	7½"	-	7'-0"	7'-6"
1S099I055L251.8	SB I-55, 290+40	7½"	-	7'-0"	7'-6"
1S099I055L252.3	SB I-55, 314+80	6"	-	5'-3"	5'-9"
1S099I055L253.0	SB I-55, 355+50	6"	-	5'-3"	5'-9"
1S099I055L253.4	SB I-55, 376+00	6"	-	5'-3"	5'-9"
1S099I55CR251.2	I-55 NB Exit Ramp C to NB and SB DDI, 808+45	6"	-	4'-6"	5'-0"
1S099I55AL251.6	I-55 SB Ramp A to DDI, 912+57	6"	-	4'-6"	5'-0"
1S099S059L000.3	Ramp D/IL 59 (DDI SB), 7005+16	6"	-	5'-3"	5'-9"
1S099S059C000.3	IL 59 (DDI NB), 8005+42	6"	-	4'-6"	5'-0"
1S099S059C000.1	IL 59 (DDI NB), 8013+87	7½"	-	7'-0"	7'-6"
1S099LGATC000.0	IL 59 (DDI NB), 8025+70	6"	-	4'-6"	5'-0"

0S-A-10S 2-17-2017

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10740

USER NAME = kkenny	DESIGNED - WKK	REVISED -	
	CHECKED - JHG	REVISED -	
PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALTERNATE WALKWAY DETAILS (2 OF 2)

SHEET 12 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	849
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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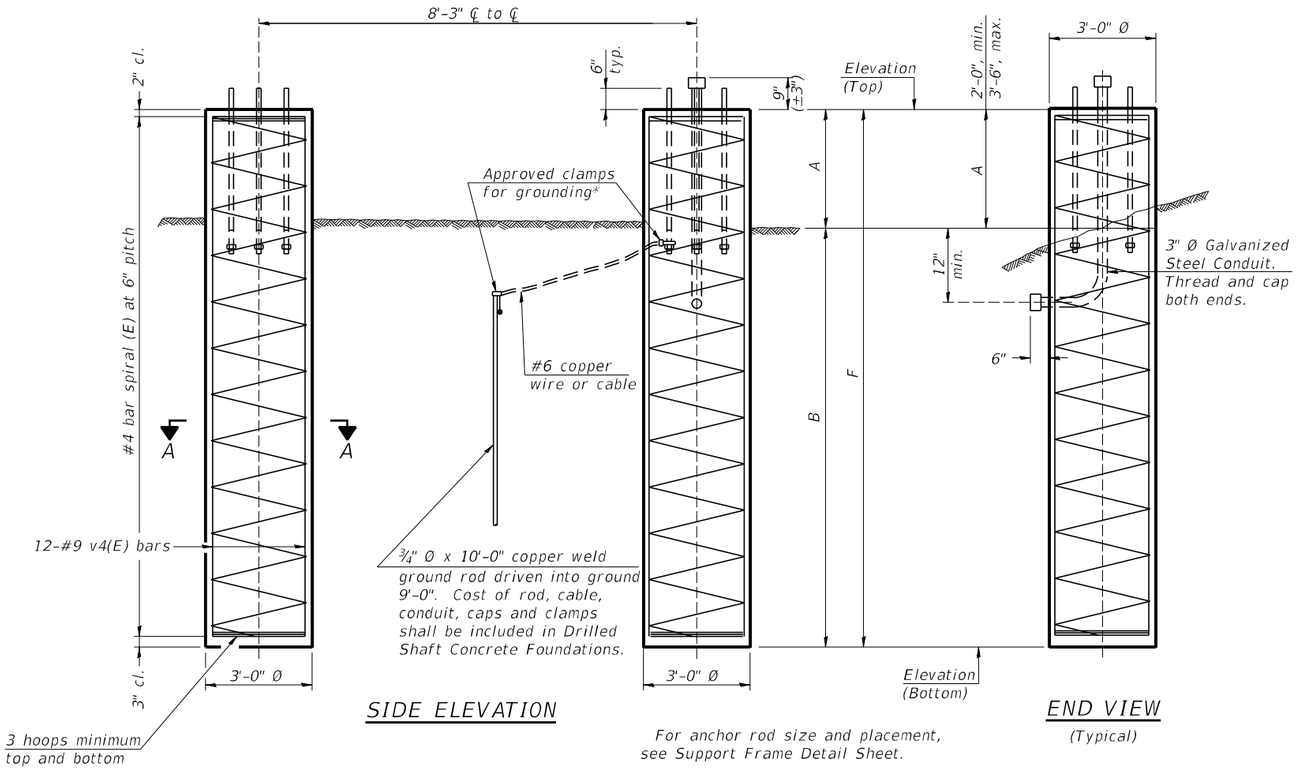
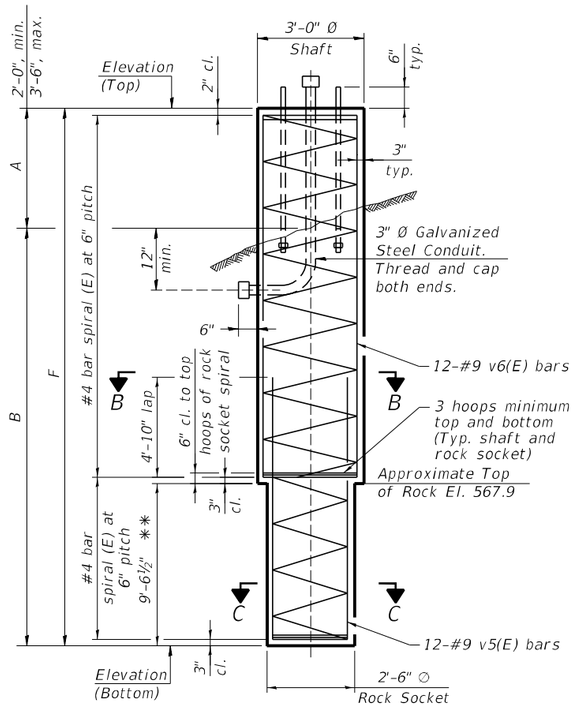
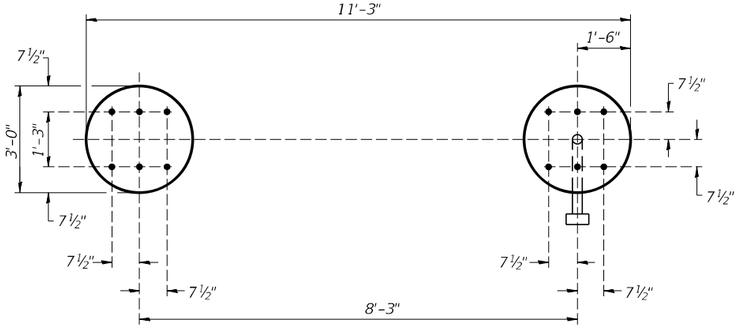




NOTES:

1. The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.
2. If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions or height of end supports need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.
3. No sonotubes or decomposable forms shall be used below the lower conduit entrance.
4. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.
5. Concrete shall be placed monolithically, without construction joints.
6. Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.
7. A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.



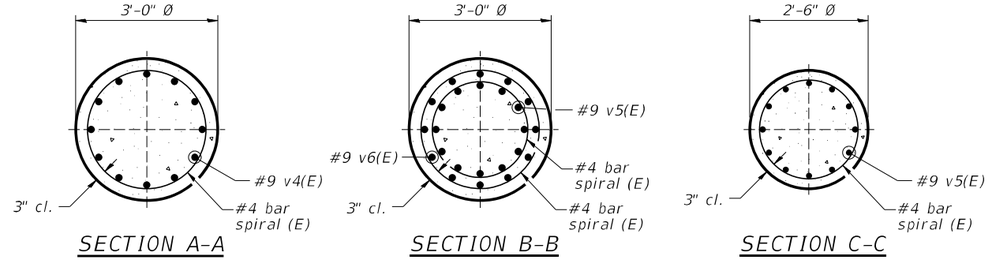
PLAN

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

** Excavation in rock shall be according to Section 516 of the Standard Specifications and shall be paid for as "Rock Excavation for Structures". Concrete and reinforcement bars in the rock socket are included in "Drilled Shaft Concrete Foundations", the limits of which extend from the top of the shaft to the bottom of the rock socket.

*** Quantity includes rock socket volume.

**** Soils are typically a mix of granular and cohesive materials. The design design details and foundation data shown on this sheet are a result of site specific designs.



DETAILS FOR 10" Ø SUPPORT FRAME TYPE I-A or II-A TRUSS

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	———
#4 bar spiral (E) - see Side Elevation				

BAR LIST - SB I-55, 355+50

Bar	Number	Size	Length	Shape
v5(E)	24	#9	14'-8"	———
v6(E)	24	#9	11'-4"	———
#4 bar spiral (E) - see Side Elevation				

STATE OF ILLINOIS
JOHN H. BISLASKI
062-006703
LICENSED STRUCTURAL ENGINEER

EXPIRATION DATE 11-30-2022
DATE: 02-04-2022

Structure Number	Station	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
		Elevation Top (See Note 2)	Elevation Bottom	A	B	F	Elevation Top (See Note 2)	Elevation Bottom	A	B	F	
1S099I055R250.5	NB I-55, 218+70						592.27	571.27	3'-6"	17'-6"	21'-0"	11.0
**** 1S099I055L252.3	SB I-55, 314+80						601.77	581.22	3'-0⅝"	17'-6"	20'-6⅝"	10.8
**** 1S099I055L253.0	SB I-55, 355+50						579.40	558.40	3'-6"	17'-6"	21'-0"	9.5 ***
**** 1S099I055L253.4	SB I-55, 376+00						582.27	561.27	3'-6"	17'-6"	21'-0"	11.0
**** 1S099I55CR251.2	I-55 NB Exit Ramp C to NB and SB DDI, 808+43	589.23	569.53	3'-2⅜"	16'-6"	19'-8⅜"	589.23	569.23	3'-6"	16'-6"	20'-0"	20.8
1S099I55AL251.6	I-55 SB Ramp A to DDI, 912+57	611.60	592.11	2'-11⅞"	16'-6"	19'-5⅞"	608.20	588.70	3'-0"	16'-6"	19'-6"	20.4
1S099S059L000.3	Ramp D/IL 59 (DDI SB), 7005+16	609.94	588.96	3'-5¾"	17'-6"	20'-11¾"	607.53	587.03	3'-0"	17'-6"	20'-6"	21.7
1S099S059C000.3	IL 59 (DDI NB), 8005+42	610.25	591.05	2'-8⅜"	16'-6"	19'-2⅜"	610.25	590.29	3'-5½"	16'-6"	19'-11½"	20.5
1S099LGATC000.0	IL 59 (DDI NB), 8025+70	608.24	588.24	3'-6"	16'-6"	20'-0"	606.08	586.62	2'-11½"	16'-6"	19'-5½"	20.7

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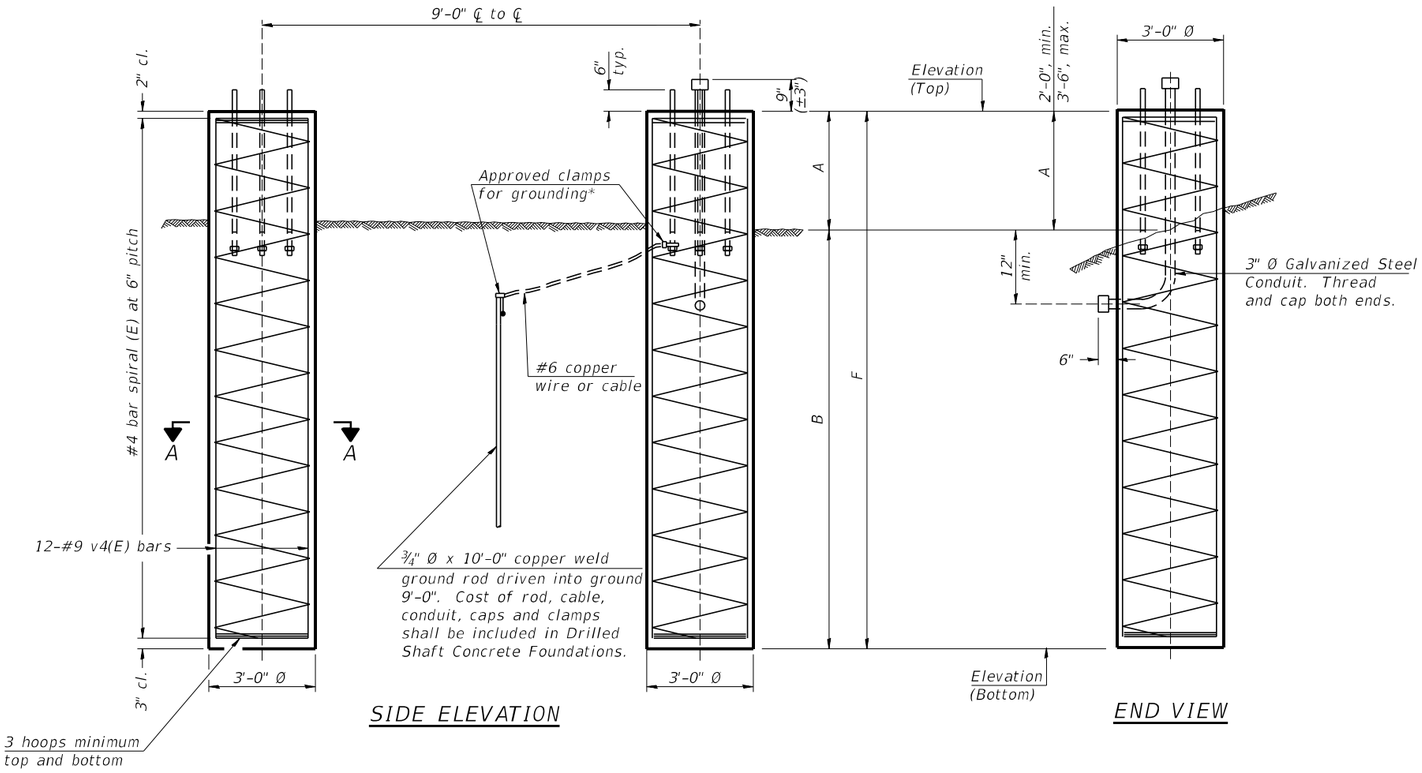
benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450
Job No. 10748

USER NAME = kkenny | DESIGNED - WKK | REVISED -
PLOT SCALE = | CHECKED - JHG | REVISED -
DATE = 02/04/2022 | DRAWN - AJB | REVISED -
CHECKED - JHG | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

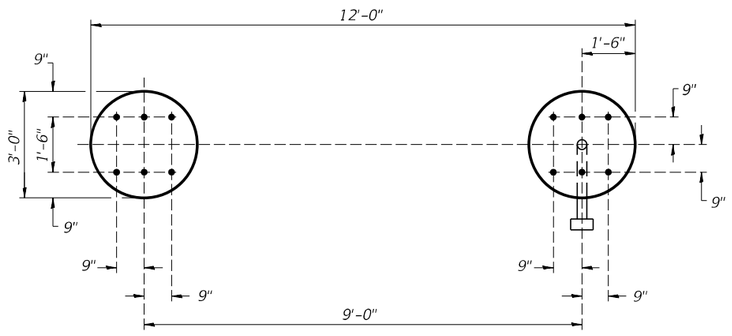
OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS (1 OF 2)
SHEET 13 OF 35 SHEETS

F.A.I./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	850
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



SIDE ELEVATION

END VIEW



PLAN

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	——
#4 bar spiral (E) - see Side Elevation				

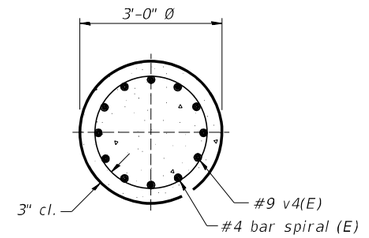
NOTES:

1. The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.
2. If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions or height of end supports need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.
3. No sonotubes or decomposable forms shall be used below the lower conduit entrance.
4. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.
5. Concrete shall be placed monolithically, without construction joints.
6. Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.
7. A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.

For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

** Soils are typically a mix of granular and cohesive materials. The design details and foundation data shown on this sheet are a result of site specific designs.



SECTION A-A

DETAILS FOR 12" Ø SUPPORT FRAME TYPE III-A TRUSS

	Structure Number	Station	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
			Elevation Top (See Note 2)	Elevation Bottom	A	B	F	Elevation Top (See Note 2)	Elevation Bottom	A	B	F	
	1S099I055R250.8	NB I-55, 233+90						591.11	569.92	3'-2¼"	18'-0"	21'-2¼"	11.1
**	1S099I055R251.0	NB I-55, 248+63						592.94	570.40	3'-0½"	19'-6"	22'-6½"	11.8
	1S099I055L251.8	SB I-55, 290+40						596.23	575.59	2'-7⅝"	18'-0"	20'-7⅝"	10.8
	1S099S059C000.1	IL 59 (DDI NB), 8013+87	619.31	598.31	3'-0"	18'-0"	21'-0"	622.98	601.48	3'-6"	18'-0"	21'-6"	22.2

STATE OF ILLINOIS
JOHN H. GISLASON
062-006703
LICENSED STRUCTURAL ENGINEER

EXPIRATION DATE 11-30-2022
DATE: 02-04-2022

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450
Job No. 10740

USER NAME = kkenny | DESIGNED - WKK | REVISED -
CHECKED - JHG | REVISED -
PLOT SCALE = | DRAWN - AJB | REVISED -
DATE = 02/04/2022 | CHECKED - JHG | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS (2 OF 2)
SHEET 14 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	851
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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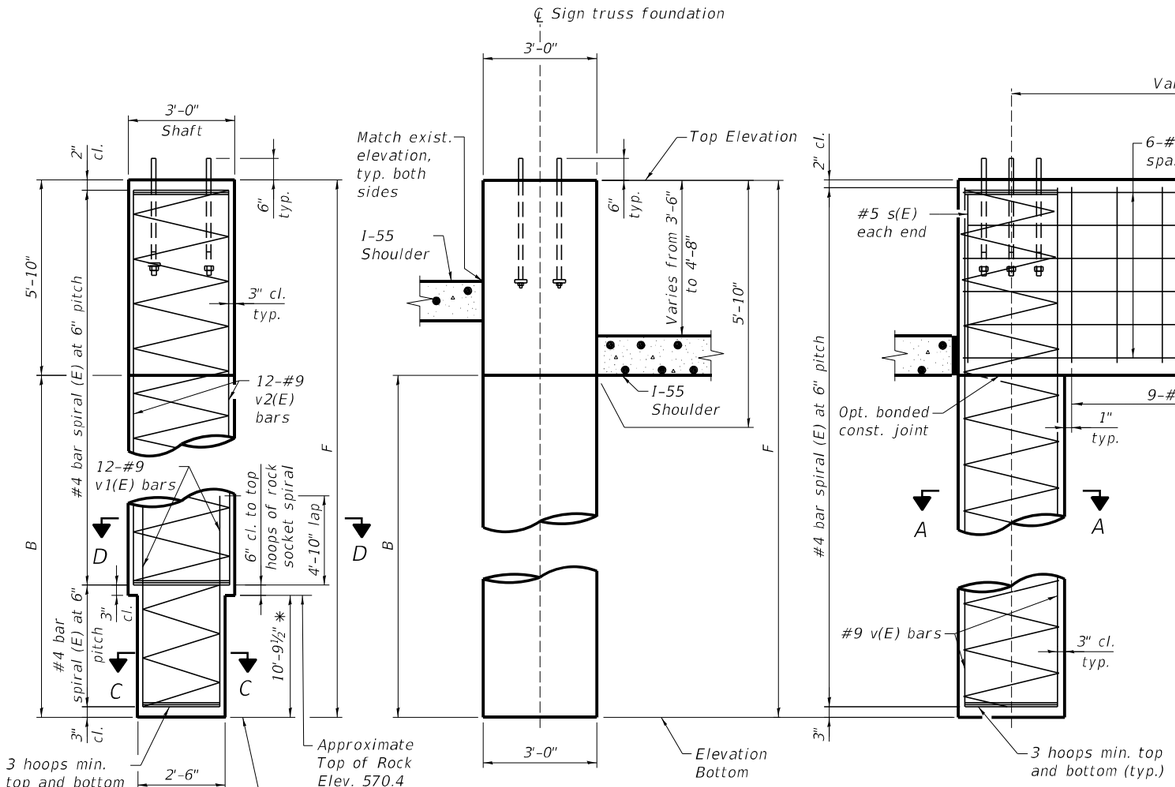


END VIEW
(I-55 SB, 355+50)
(Looking Downstation)

END VIEW
(Typical)

SIDE ELEVATION
Concrete foundation poured monolithically with no construction joint.

* Excavation in rock shall be according to Section 516 of the Standard Specifications and shall be paid for as "Rock Excavation for Structures". Concrete and reinforcement bars in the rock socket are included in "Drilled Shaft Concrete Foundations", the limits of which extend from the top of the shaft to the bottom of the rock socket.

** Quantity includes rock socket volume.

*** Soils are typically a mix of granular and cohesive materials. The design details and foundation data shown on this sheet are a result of site specific designs.

NOTES:

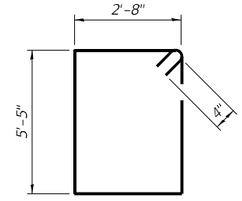
1. The foundations dimensions shown are based on the presence of mostly cohesive soils with an average unconfined compressive strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.
2. If the conditions encountered are different than those indicated, the contractor shall notify the engineer to determine if the foundation dimensions or height of the end supports need to be modified. If dimensions "B" or "F" are revised by more than 12" by the contractor, "As-Built" plans shall be prepared and submitted to the district bureau of operations for future reference.
3. No sonotubes or decomposable forms shall be used below the conduit entrance.
4. Permanent metal forms or other shielding may not be left in place below that elevation without the engineer's written permission.
5. Concrete shall be placed monolithically, without construction joints.
6. Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.
7. A normal surface finish followed by a protective coat application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundations."

BAR LIST - EACH FOUNDATION

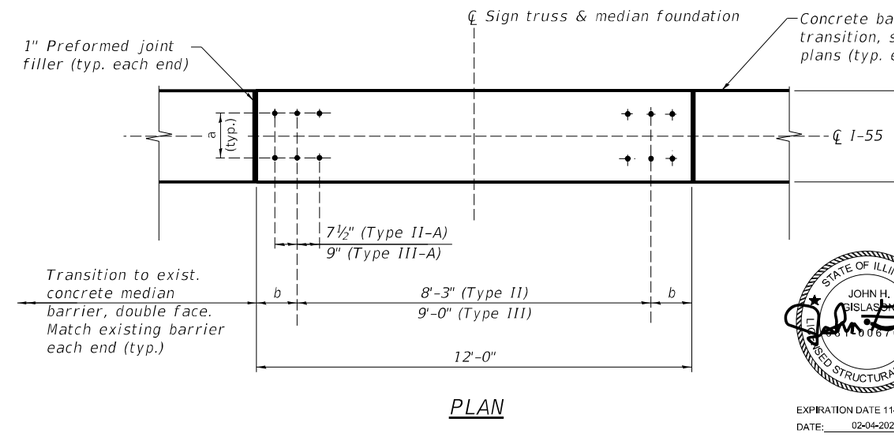
BAR	NUMBER	SIZE	LENGTH	SHAPE
h(E)	14	#5	11'-8"	
s(E)	9	#5	16'-10"	
v(E)	24	#9	F minus 5"	
#4(E) Bar spiral, see side elevation				

BAR LIST - SB I-55, 355+50

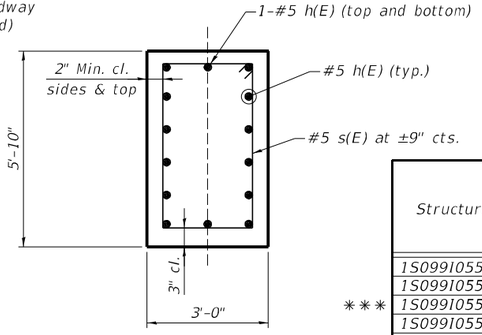
BAR	NUMBER	SIZE	LENGTH	SHAPE
h(E)	14	#5	11'-8"	
s(E)	9	#5	16'-10"	
v1(E)	24	#9	15'-11"	
v2(E)	24	#9	12'-5"	
#4(E) Bar spiral, see side elevation				



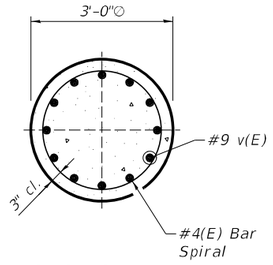
BAR s(E)



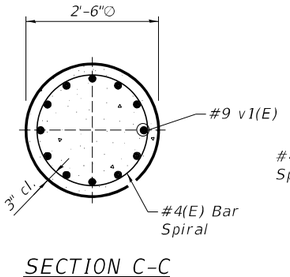
PLAN



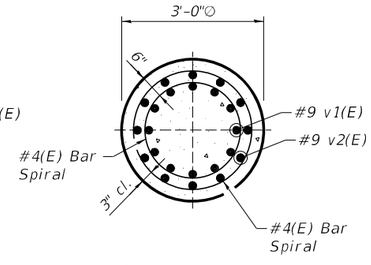
SECTION B-B



SECTION A-A



SECTION C-C



SECTION D-D

Structure Number	Station	a	b	Left Foundation				
				Elevation Top (See Note 2)	Elevation Bottom	B	F	Class DS Concrete (Cu. Yd.)
1S099I055R250.5	NB I-55, 218+70	1'-3"	1'-10½"	593.52	570.18	17'-6"	23'-4"	16.9
1S099I055R250.7	NB I-55, 233+90	1'-6"	1'-6"	594.17	570.34	18'-0"	23'-10"	17.2
1S099I055R251.0	NB I-55, 248+63	1'-6"	1'-6"	595.46	571.62	18'-0"	23'-10"	17.2
*** 1S099I055L251.8	SB I-55, 290+40	1'-6"	1'-6"	600.98	577.14	18'-0"	23'-10"	17.2
1S099I055L252.3	SB I-55, 314+80	1'-3"	1'-10½"	606.24	582.90	17'-6"	23'-4"	17.0
*** 1S099I055L253.0	SB I-55, 355+50	1'-3"	1'-10½"	582.98	559.64	17'-6"	23'-4"	15.3 **
*** 1S099I055L253.4	SB I-55, 376+00	1'-3"	1'-10½"	585.01	561.67	17'-6"	23'-4"	17.0

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JOHN H. CISLASKI
006703
REGISTERED STRUCTURAL ENGINEER
EXPIRATION DATE 11-30-2022
DATE: 02-04-2022

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DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
MEDIAN SUPPORT FOUNDATION DETAILS
SHEET 15 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	852
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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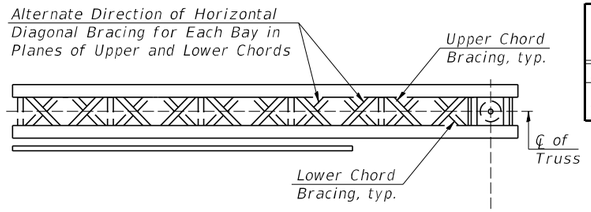
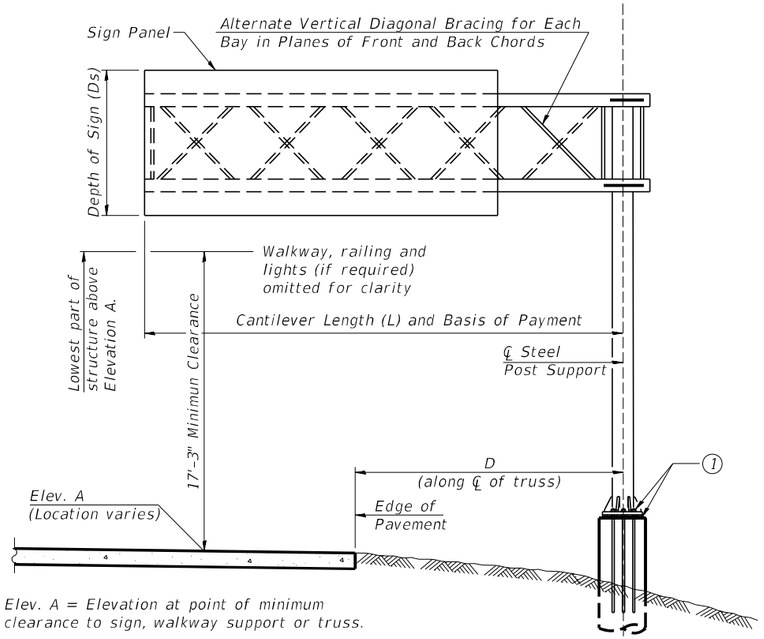


TYPICAL PLAN

(Walkway not shown)

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	Ds	Total Sign Area
1C099I055R252.1	NB I-55, 306+00	III-C-A	35'	600.15	11.17'	18.0'	270.0 sq. ft.
1C099S059R000.0	RAMP D/IL 59 (DDI SB), 7021+43	III-C-A	40'	615.88	15.08'	7.5'	101.3 sq. ft.



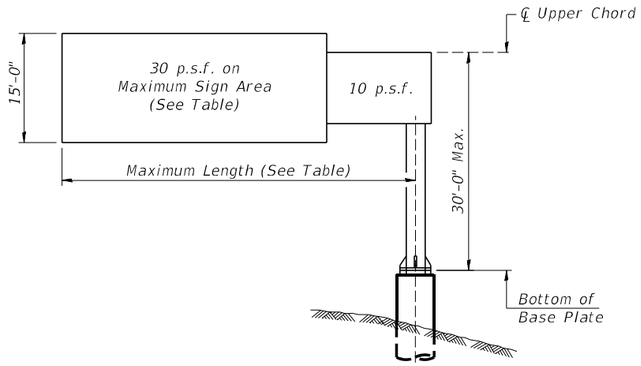
Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

TYPICAL ELEVATION

Looking in Direction of Traffic

Sign support structures may be subject to damaging vibrations and oscillations when sign panels are not in place during erection or maintenance of the structure. To avoid these vibrations and oscillations, consideration should be given to attaching temporary blank sign panels to the structure.

Truss Type	Maximum Sign Area	Maximum Length
I-C-A	170 Sq. Ft.	25 Ft.
II-C-A	340 Sq. Ft.	30 Ft.
III-C-A	400 Sq. Ft.	40 Ft.



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards Installations not within dimensional limits shown require special analysis for all components.

Note:
Trusses shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The contractor is responsible for maintaining the configuration and protection of the trusses.

(1) After adjustments to level truss and insure adequate vertical clearance, all top and leveling nuts shall be tightened against the base plate with a minimum torque of 200 lb.-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel banding.

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
f'_c = 3,500 p.s.i.
fy = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specificiations.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.
All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.
The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE III-C-A	Foot	75
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	23.1

OSC-A-1 2-17-2017

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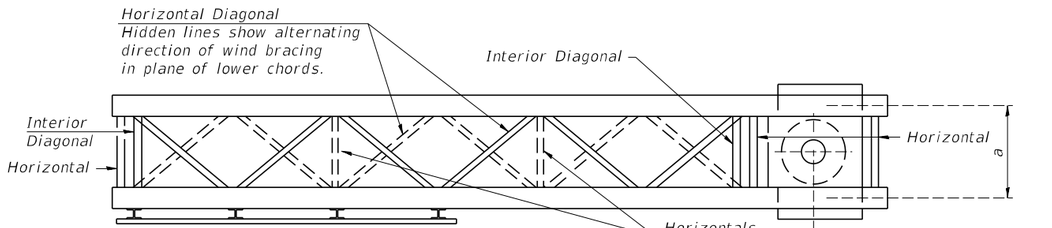
DATE = 03/16/2022	CHECKED - JHG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – GENERAL PLAN & ELEVATION
ALUMINUM TRUSS & STEEL POST

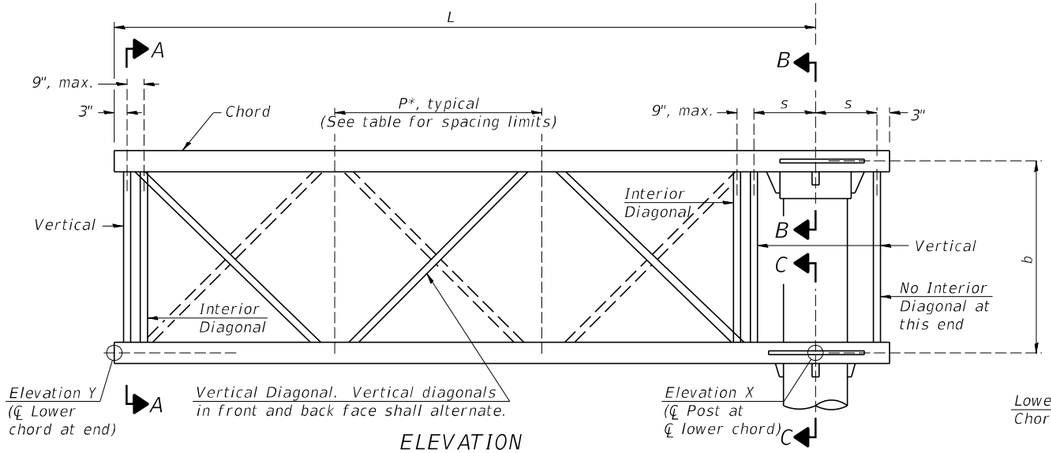
SHEET 16 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	853
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



PLAN

(Walkway not shown)



ELEVATION

(Sign and walkway omitted for clarity)

TYPICAL TRUSS UNIT

For Section B-B and Section C-C, see Base Sheet 0SC-A-3.

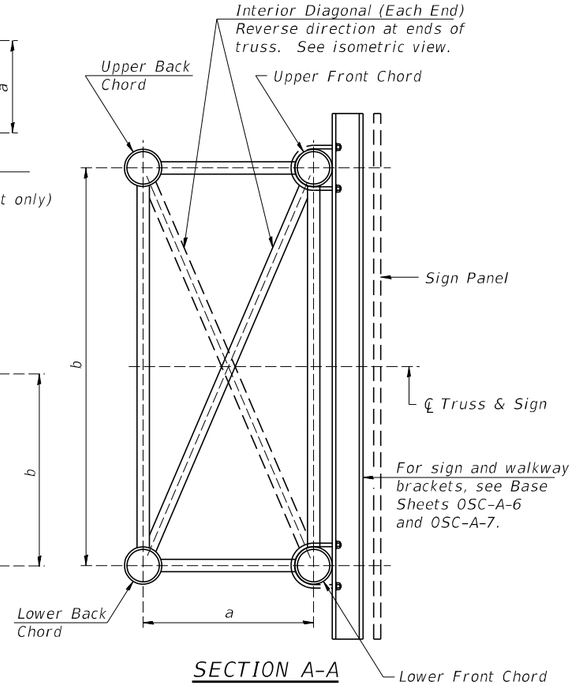
Note:
There are twice as many horizontal diagonals as there are vertical diagonals.

TRUSS UNIT TABLE

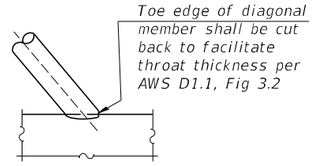
Truss Type	Dimension "a"	Dimension "b"	Dimension "s"	Limits for Panel Spacing (P)*	Up. & Low. Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals	
					O.D.	Wall	O.D.	Wall
I-C-A	24"	54"	16"	36" min. to 48" max.	5"	5/16"	2½"	5/16"
II-C-A	36"	66"	21"	42" min. to 54" max.	6½"	5/16"	3¼"	5/16"
III-C-A (35' Max.)	36"	84"	21"	48" min. to 66" max.	7"	3/8"	3½"	3/8"
III-C-A (>35' to 40')	36"	84"	21"	48" min. to 66" max.	8"	3/8"	3½"	3/8"

$$*P = \frac{L - s - 3"}{\#\ Panels}$$

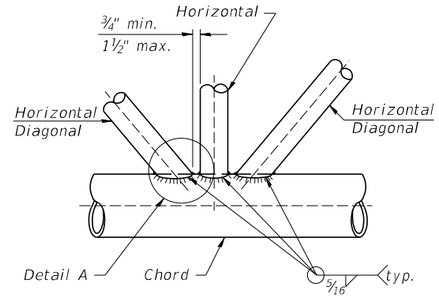
Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
1C099I055R252.1	NB I-55, 306+00	III-C-A	35'-0"	6	5'-6"
1C099S059R000.0	RAMP D/IL 59 (DDI SB), 7021+43	III-C-A	40'-0"	8	4'-9"



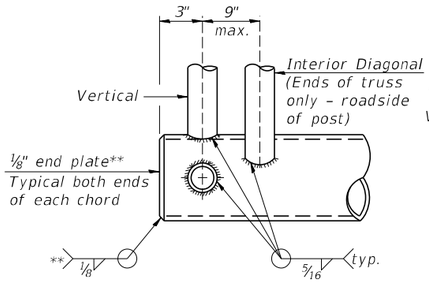
SECTION A-A



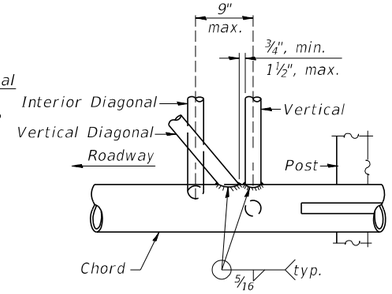
DETAIL A



TRUSS INTERIOR JOINT DETAIL

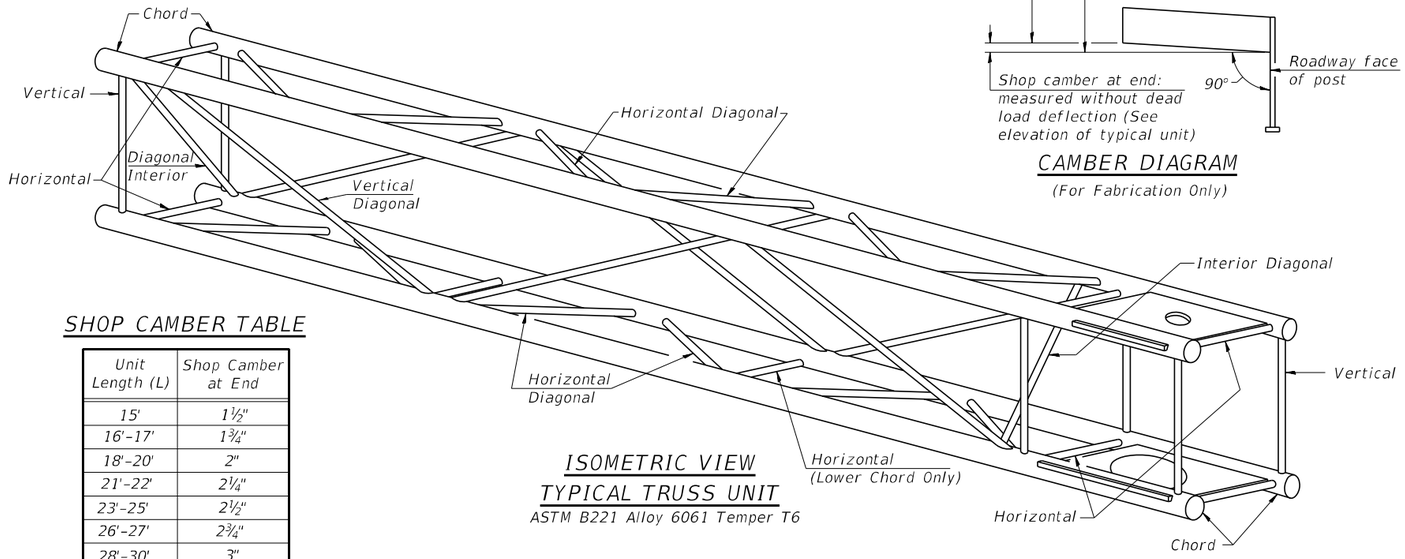


CANTILEVER END JOINT DETAIL



POST END JOINT DETAIL

** Contractor may alternatively use standard aluminum drive-fit cap to close ends. ½" Ø Drain hole in end plate / drive-fit cap.



ISOMETRIC VIEW

TYPICAL TRUSS UNIT

ASTM B221 Alloy 6061 Temper T6

CAMBER DIAGRAM

(For Fabrication Only)

SHOP CAMBER TABLE

Unit Length (L)	Shop Camber at End
15'	1½"
16'-17'	1¾"
18'-20'	2"
21'-22'	2¼"
23'-25'	2½"
26'-27'	2¾"
28'-30'	3"
31'-32'	3¼"
33'-35'	3½"
36'-37'	4"
38'-40'	4½"

0SC-A-2 2-17-2017

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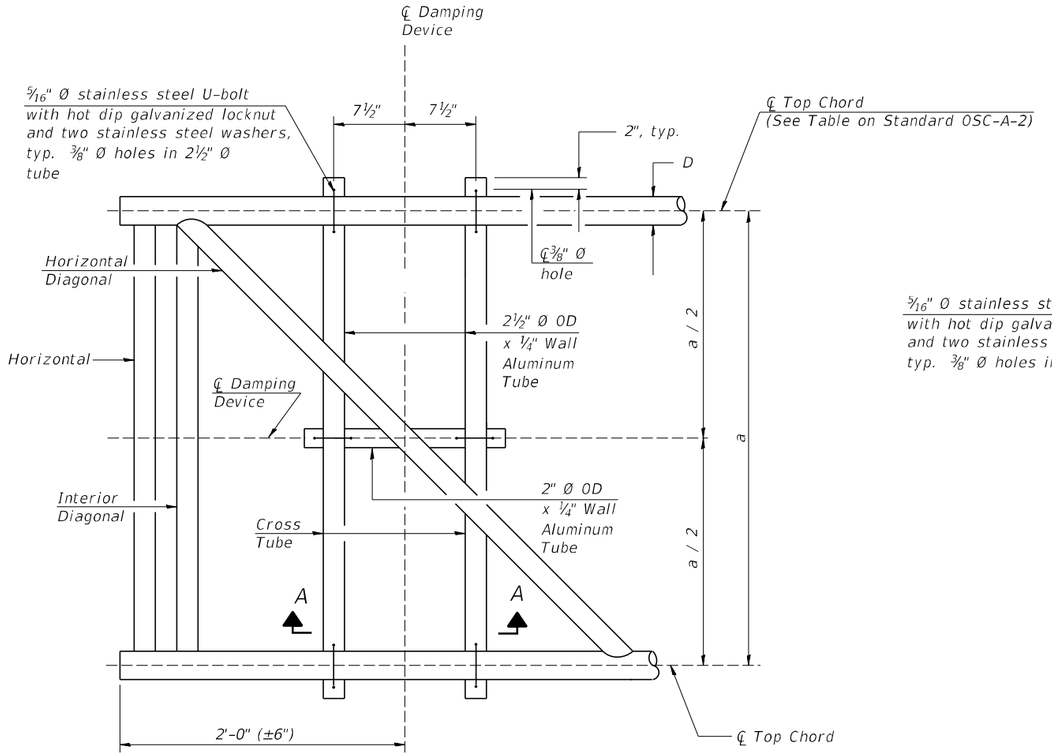
PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

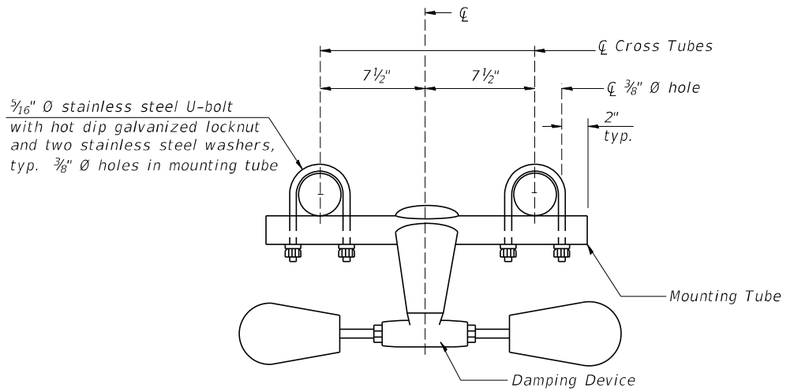
CANTILEVER SIGN STRUCTURES – TRUSS DETAILS
ALUMINUM TRUSS & STEEL POST

SHEET 17 OF 35 SHEETS

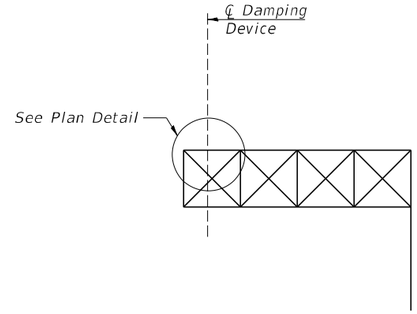
F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	854
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



PLAN DETAIL



TRUSS DAMPING DEVICE CONNECTION DETAIL



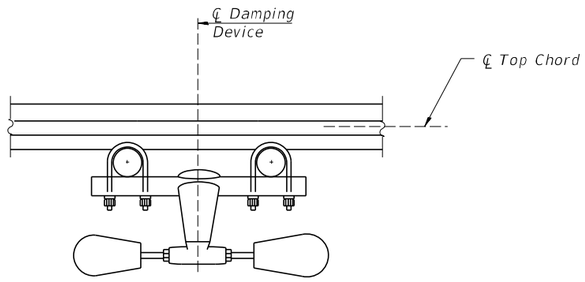
ELEVATION

Aluminum Cantilever Sign Structure

GENERAL NOTES

Damper: One damper per truss. (31 lbs. Stockbridge-Type Aluminum-29" minimum between ends of weights)

Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6



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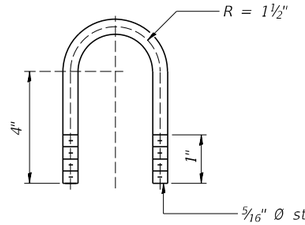
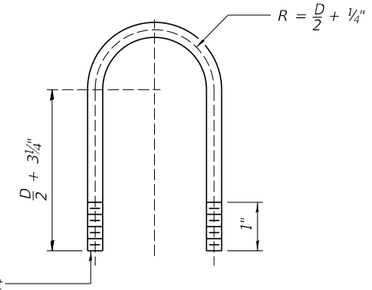


DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL

(Typical)



TOP CHORD TO CROSS TUBE U-BOLT DETAIL

(Typical)

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DATE = 02/04/2022	CHECKED - JHG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURE
DAMPING DEVICE

SHEET 18 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	855
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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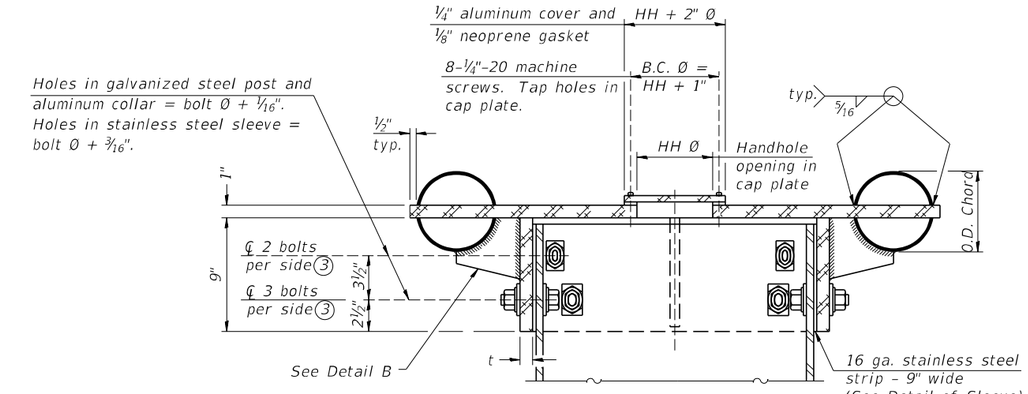
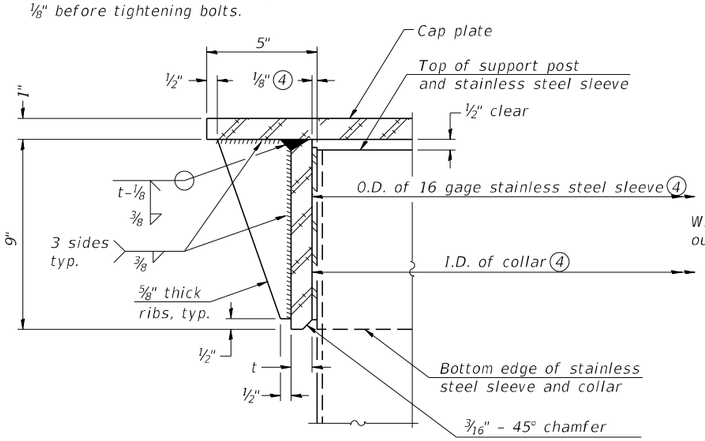


SECTION B-B

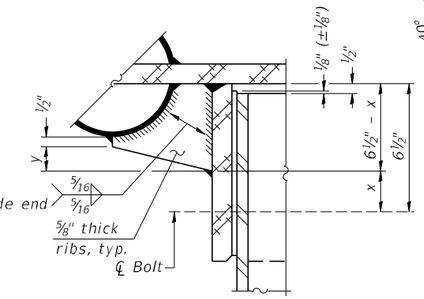
Bolts, washers (including contoured washers), and locknuts shall be stainless steel.

④ Collar I.D. shall be manufactured to correspond to O.D. of actual galvanized post and stainless steel sleeve plus ⅛" (±1/16"). Maximum gap between post and collar at any location equals ⅛" before tightening bolts.



DETAIL A

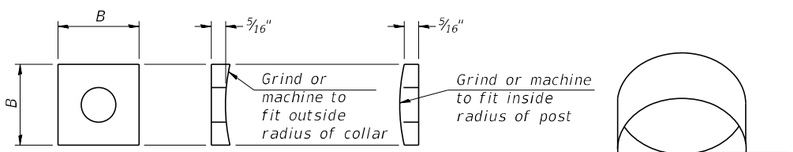
(Two locations)



DETAIL B

Two locations

(For details not shown, see Detail C)

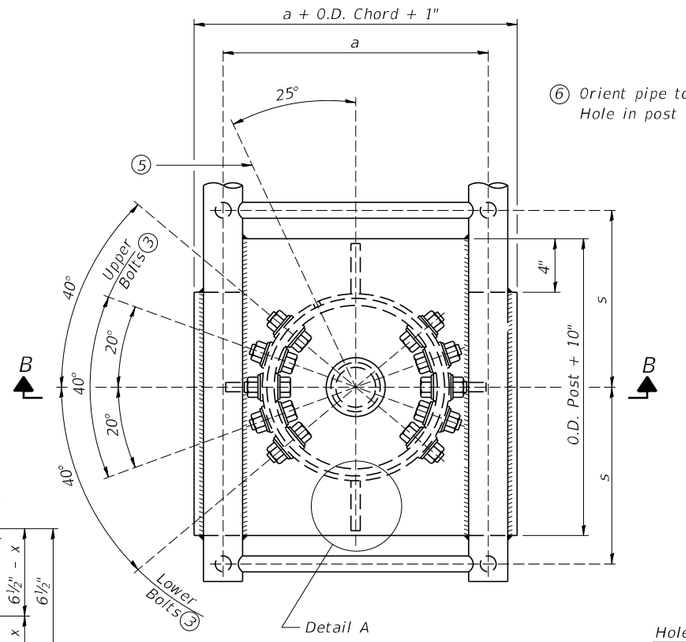


CONTOURED WASHERS

Bolt Size	Contoured Washers	
	Hole Dia.	B
⅞"	1"	2½"
1"	1⅛"	3"
1¼"	1⅜"	3¼"

DETAIL OF STAINLESS STEEL SLEEVE

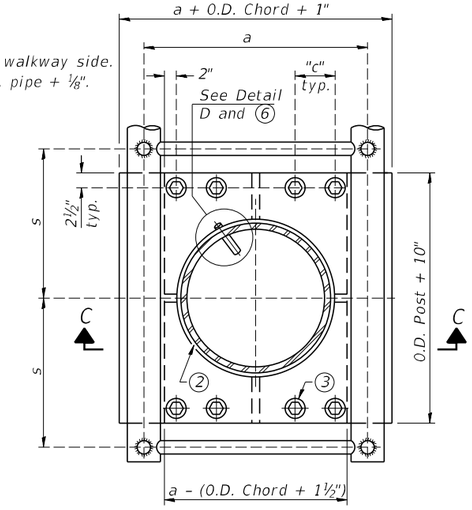
Weld to post after galvanizing.
(Prepare post surface to insure tight, uniform fit and allow welding.)
Welds to be 1½" long at 6" cts. along top edge and at ¼" opening.



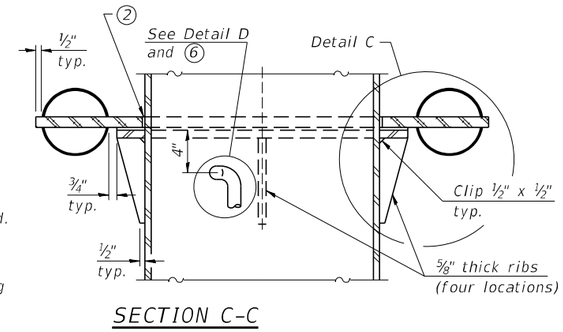
PLAN VIEW - TOP OF COLUMN

⑤ Optional full penetration weld in collar.
(Two locations maximum....(180° apart)....X-ray or UT 100%)

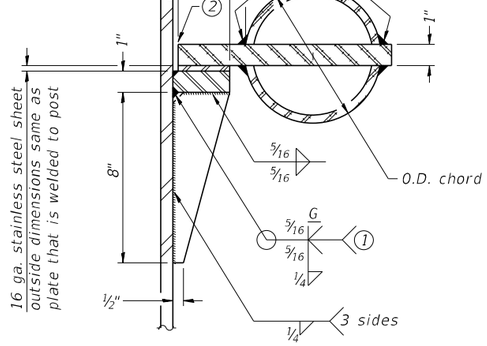
⑥ Orient pipe toward walkway side. Hole in post = O.D. pipe + ⅛".



SECTION THRU POST ABOVE LOWER CHORDS



SECTION C-C



DETAIL C

Truss Type	Post Size	Upper & Lower Connection Bolt Diameter ③	Lower Juncture Bolt Spacing Dimension "c" ③	Opening in Cap Plate "HH"	Collar Thickness (t)	Side Ribs	
						x	y
I-C-A	16" Ø (83#/')	⅞"	3¼"	8"	⅝"	1¾"	2¼"
II-C-A	24" Ø (125#/')	1"	3½"	12"	⅞"	2"	1¼"
III-C-A (35' max.)	24" Ø (125#/')	1¼"	3½"	12"	⅞"	2"	1"
III-C-A (>35' to 40')	24" Ø (171#/')	1¼"	3½"	12"	⅞"	2"	1"

① Grind top if required to fully seat aluminum plate and stainless steel sheet.

② After tightening lower connection bolts, fill gap with non-hardening, silicone caulk suitable for exterior exposure and acceptable to the Engineer. Cost is included in Overhead Sign Structure Cantilever.

③ Upper and lower connection bolts in collar and bolts at lower chord connection shall be high strength with matching locknuts. Connection bolts shall have 2 stainless steel flat washers each.

OSC-A-3 2-17-2017

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PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - JUNCTURE DETAILS
ALUMINUM TRUSS & STEEL POST

SHEET 19 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	856
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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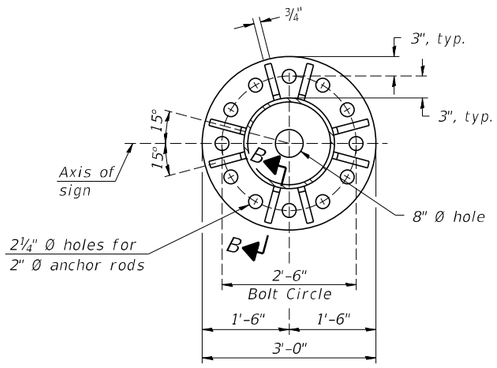
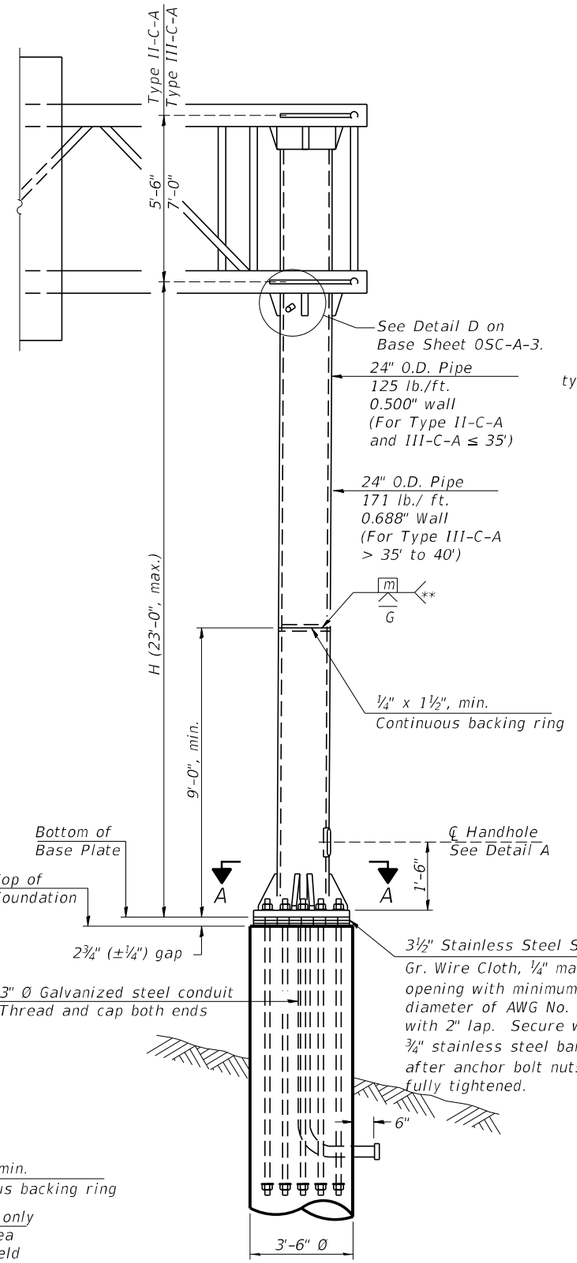
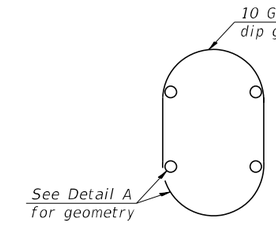


SECTION A-A

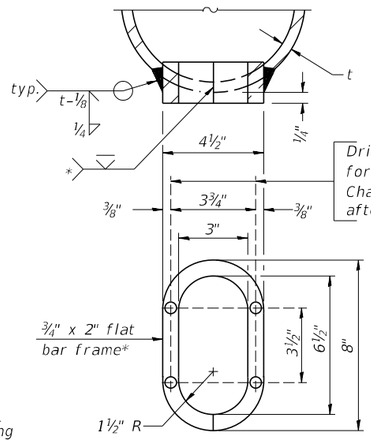


FRONT ELEVATION

For Foundation Details see Base Sheet OSC-A-9.



HANDHOLE COVER

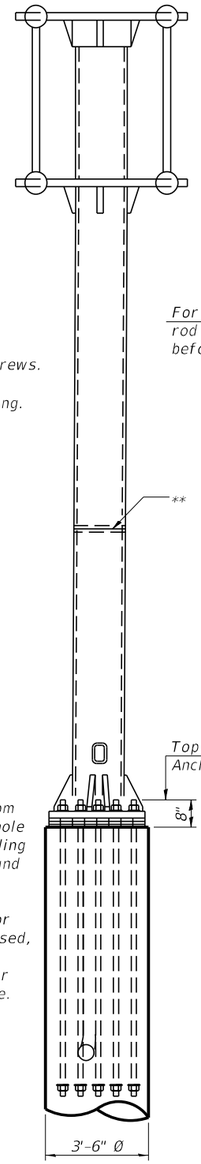


Provide 8" x 4½" cover. Outside corners = 2¼" radius. Provide 4-$\frac{5}{16}$" Ø holes in cover for ¼" - 20 round head hot dip galvanized or stainless steel machine screws. (See cover details.)

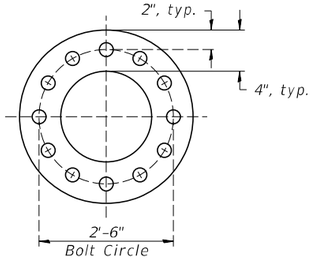
DETAIL A

* Bent bars may be butt welded top and bottom or bottom only. In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500μ in or less.

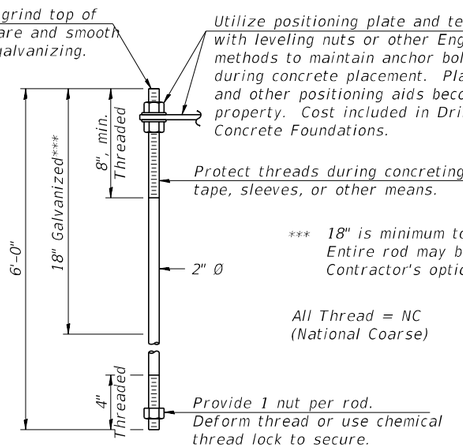
** Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.



SIDE ELEVATION

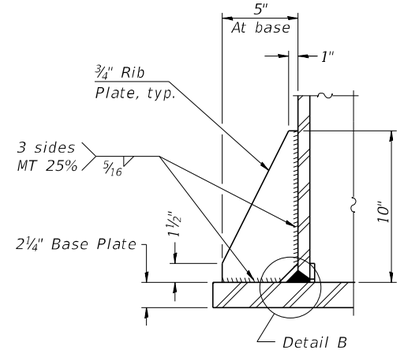


SUGGESTED POSITIONING PLATE

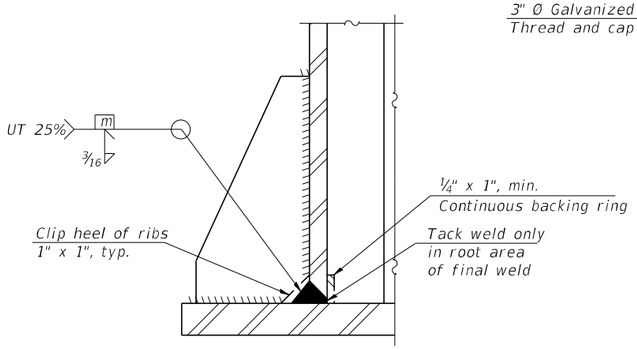


ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize the upper 18" (minimum***) and associated AASHTO M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide a nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III inspector, qualified in accord with ANSI guidelines, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.



SECTION B-B



DETAIL B

(Typical rib)

Structure Number	Station	H
1C099I055R252.1	NB I-55, 306+00	21'-5⅛"
1C099S059R000.0	RAMP D/IL 59 (DDI SB), 7021+43	22'-1⅝"

Note: "H" based on 15'-0" or actual sign height, whichever is greater.

OSC-A-5 2-17-2017

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Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10740

USER NAME = kkenny	DESIGNED - WKK	REVISED -	
	CHECKED - JHG	REVISED -	
PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – TYPE II-C-A & III-C-A
TRUSS SUPPORT POST – ALUMINUM TRUSS & STEEL POST

SHEET 20 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	857
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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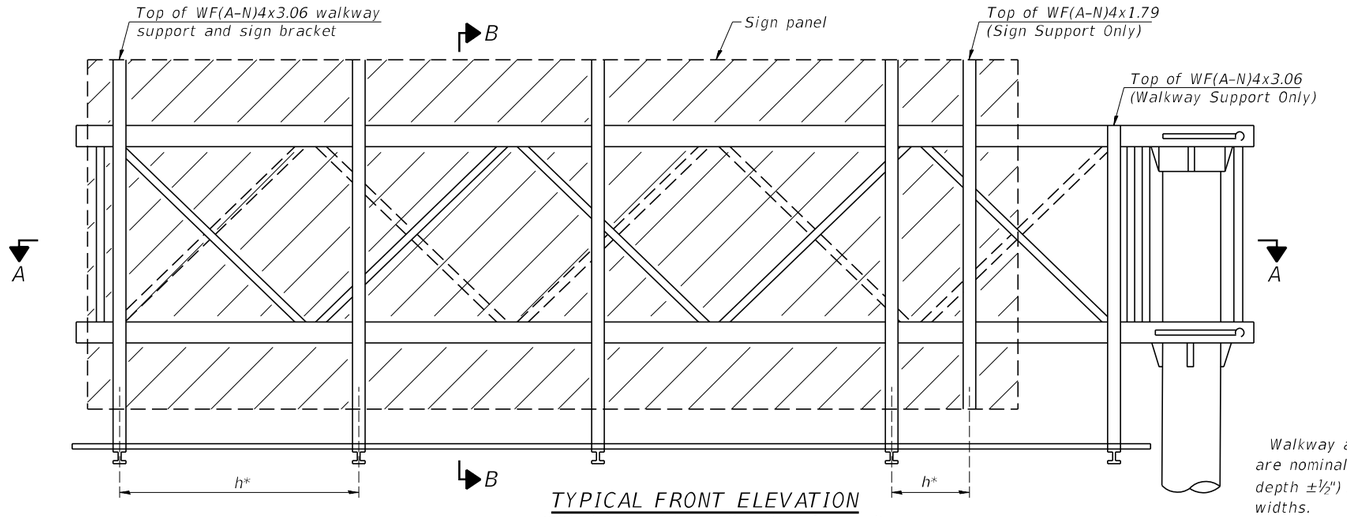
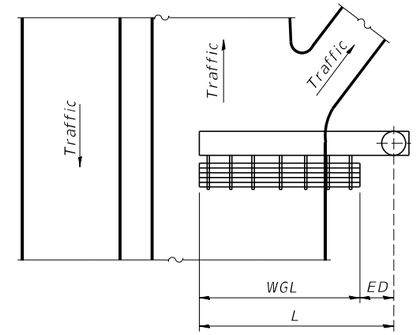


TYPICAL FRONT ELEVATION

With lights and handrail omitted for clarity.

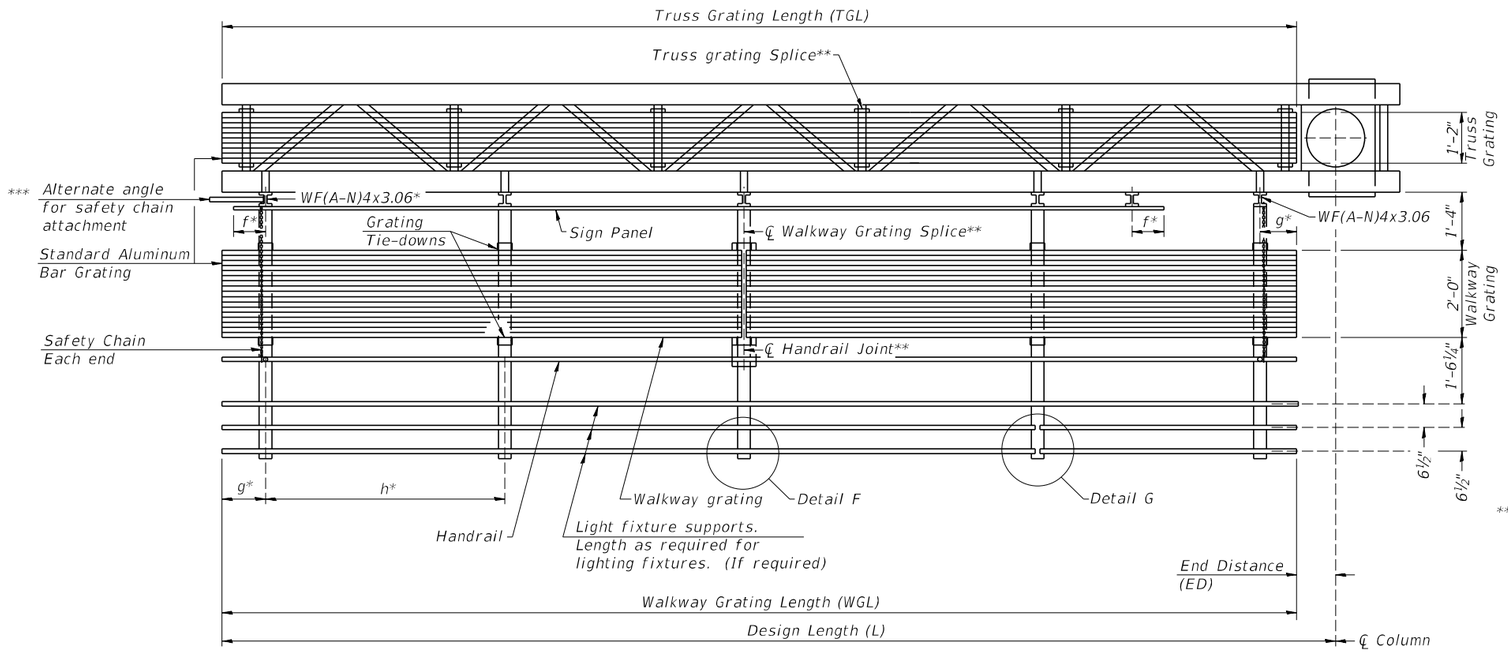
Walkway and truss grating dimensions are nominal and may vary (width ±½", depth ±½") based on available standard widths.



PLAN

WALKWAY AND HANDRAIL SKETCH

(Road plan beneath truss varies)



SECTION A-A

Truss grating to facilitate inspection shall run full length of cantilevers. Cost of truss grating is included in Overhead Sign Structure Cantilever.

Handrail and walkway grating shall span a minimum of three brackets between splices.

** *Use and location of handrail joints or grating splices are optional, based on lengths needed and material availability.*

$$TGL = L - \left(\frac{\text{Post O.D.}}{2} + 6"\right)$$

Walkway grating, walkway supports, handrail, and lighting are not included in this contract. Information shown on this sheet shall be used for truss grating and sign brackets only.

Structure Number	Station	WGL	ED	TGL
1C099I055R252.1	NB I-55, 306+00	–	–	33'-6"
1C099S059R000.0	RAMP D/IL 59 (DDI SB), 7021+43	–	–	38'-6"

Notes:

* *Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:*

f = 12" maximum, 4" minimum (End of sign to ℄ of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway to ℄ of nearest bracket)
h = 6'-0" maximum (℄ to ℄ sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)

*** *If walkway bracket at safety chain location is behind sign, add angle to bracket.*

For details of sign placement, sign/walkway brackets, truss and walkway gratings, grating splices and Section B-B, see Base Sheet CS08.

BRACKET TABLE

WF(A-N)4x1.79 or WF(A-N)4x3.06
ASTM B308, Alloy 6061-T6

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

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0SC-A-6 2-17-2017

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Alfred Benesch & Company
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Chicago, Illinois 60601
312-565-0450 Job No. 10740

USER NAME = kkenny	DESIGNED - WKK	REVISED -
	CHECKED - JHG	REVISED -
PLOT SCALE =	DRAWN - AJB	REVISED -
DATE = 02/04/2022	CHECKED - JHG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – ALUMINUM WALKWAY
DETAILS – ALUMINUM TRUSS & STEEL POST

SHEET 21 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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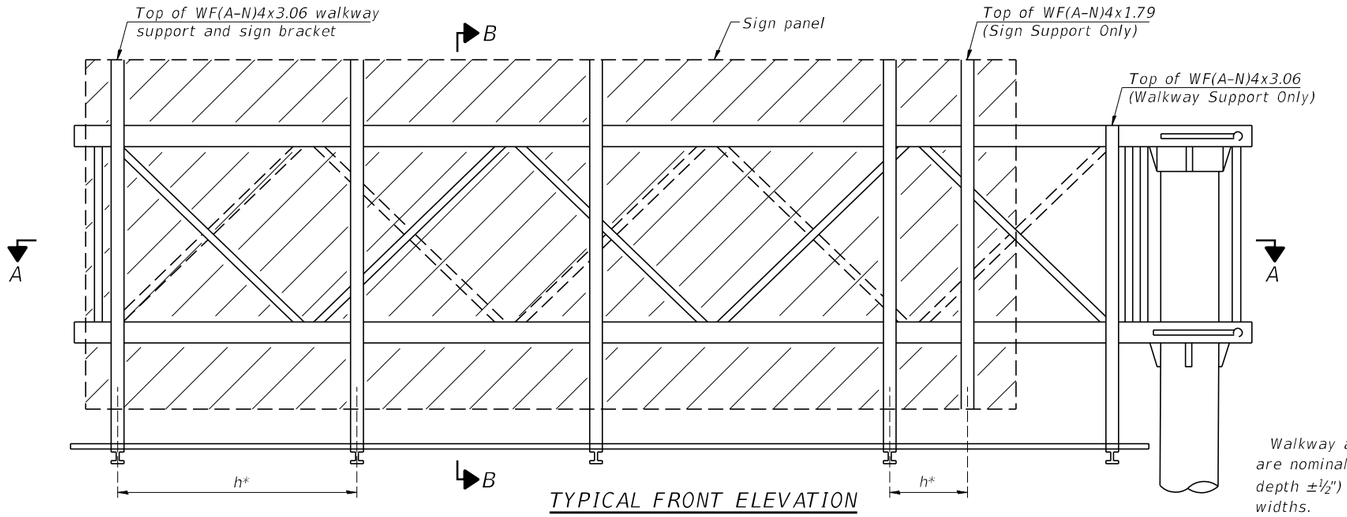
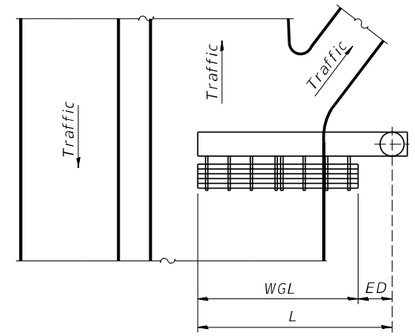
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



TYPICAL FRONT ELEVATION

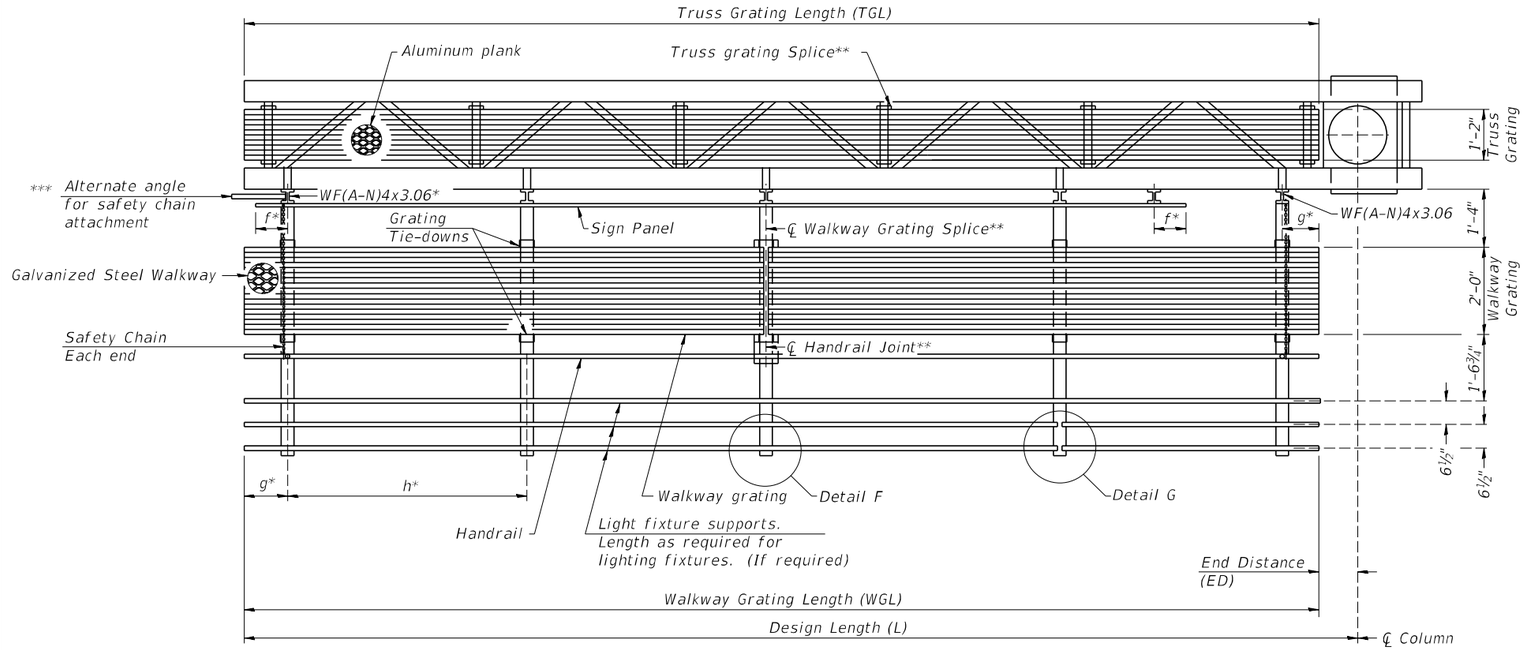
With lights and handrail omitted for clarity.

Walkway and truss grating dimensions are nominal and may vary (width ±½", depth ±½") based on available standard widths.



PLAN
WALKWAY AND HANDRAIL SKETCH

(Road plan beneath truss varies)



SECTION A-A

Truss grating to facilitate inspection shall run full length of cantilevers. Cost of truss grating is included in Overhead Sign Structure Cantilever.

** Handrail and walkway grating shall span a minimum of three brackets between splices. Use and location of handrail joints or grating splices are optional, based on lengths needed and material availability.

$$TGL = L - \left(\frac{\text{Post O.D.}}{2} + 6" \right)$$

Walkway grating, walkway supports, handrail, and lighting are not included in this contract. Information shown on this sheet shall be used for truss grating and sign brackets only.

Structure Number	Station	WGL	ED	TGL
1C099I055R252.1	NB I-55, 306+00	-	-	33'-6"
1C099S059R000.0	RAMP D/IL 59 (DDI SB), 7021+43	-	-	38'-6"

Notes:

* Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:

f = 12" maximum, 4" minimum (End of sign to ℄ of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway to ℄ of nearest bracket)
h = 6'-0" maximum (℄ to ℄ sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)

*** If walkway bracket at safety chain location is behind sign, add angle to bracket.

For details of sign placement, sign/walkway brackets, truss and walkway gratings, grating splices and Section B-B, see Base Sheet CS09.

BRACKET TABLE

WF(A-N)4x1.79 or WF(A-N)4x3.06
ASTM B308, Alloy 6061-T6

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

0SC-A-6S 2-17-2017

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USER NAME = kkenny	DESIGNED - WKK	REVISED -	
	CHECKED - JHG	REVISED -	
PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – ALTERNATE STEEL
WALKWAY DETAILS – ALUMINUM TRUSS & STEEL POST

SHEET 22 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	859
		CONTRACT NO. 62H15		

* FAI 55, FAP 338 | ILLINOIS | FED. AID PROJECT

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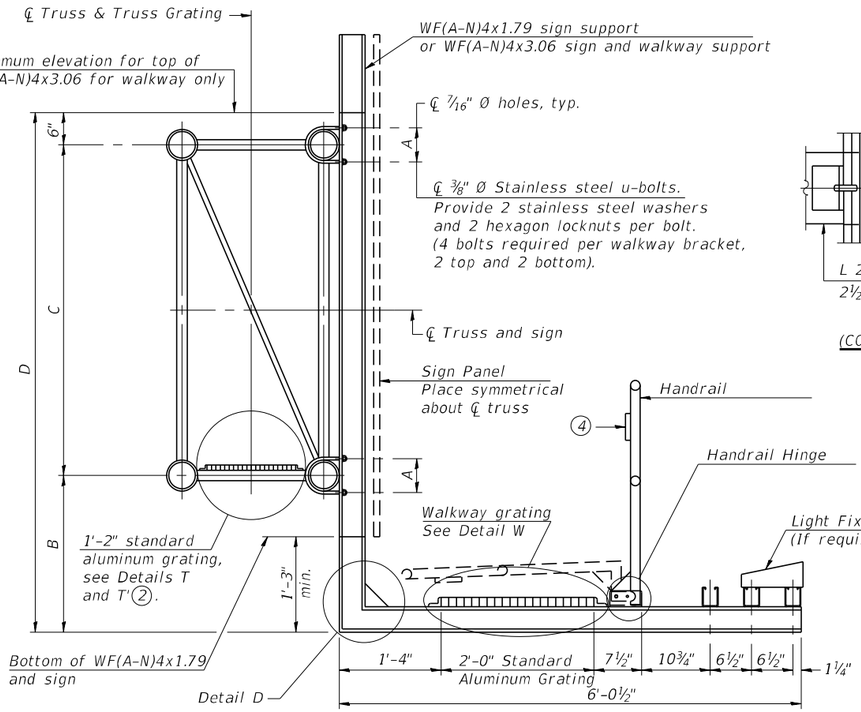
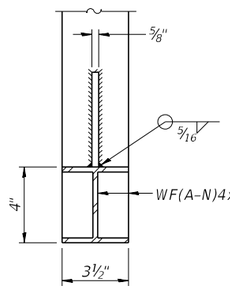
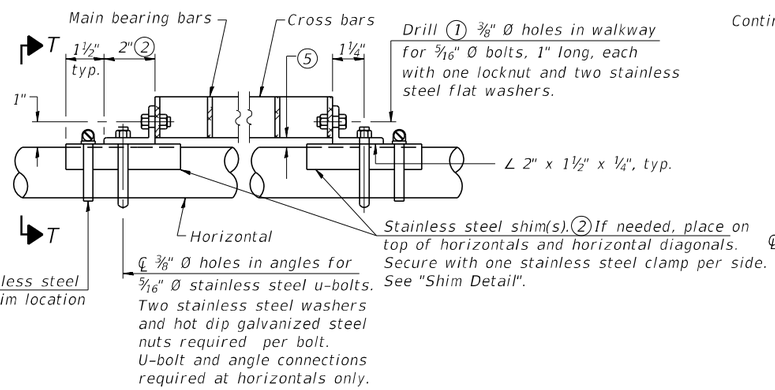


SECTION B-B

Sign shall be even with the top of the bracket, but it may extend no more than 6" above the top of the bracket for field adjustments.

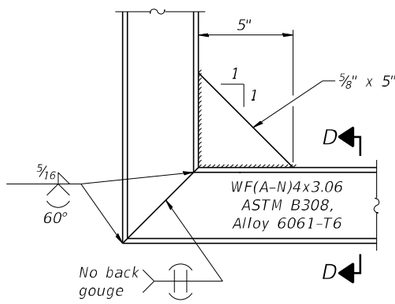


SECTION D-D



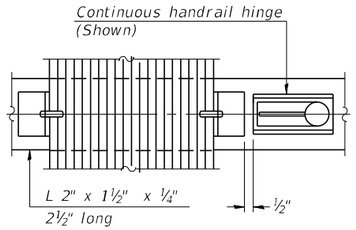
DETAIL T

(Continuous Truss grating)

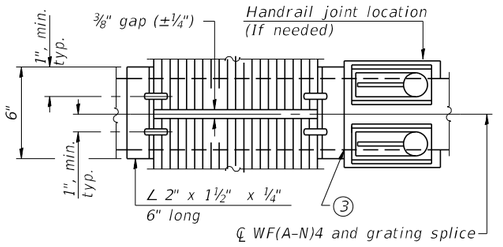


DETAIL D

Walkway grating, walkway supports, handrail, and lighting are not included in this contract. Information shown on this sheet shall be used for truss grating and sign brackets only.

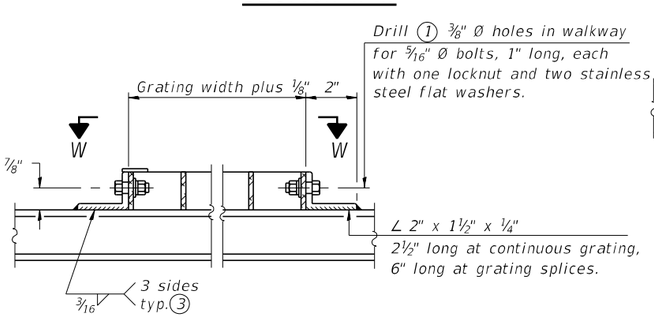


(CONTINUOUS WALKWAY GRATING)



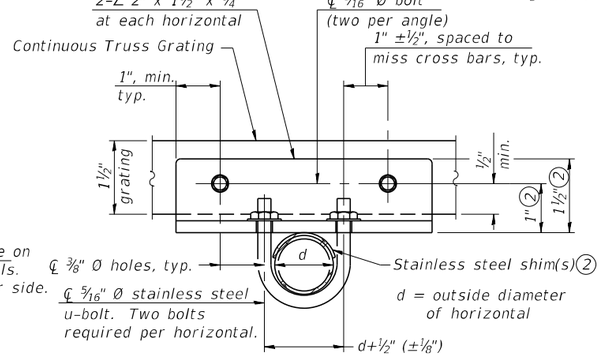
(AT WALKWAY GRATING SPLICE)

SECTION W-W

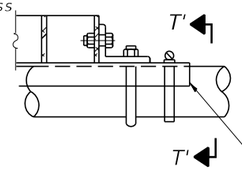


DETAIL W

(Walkway grating)



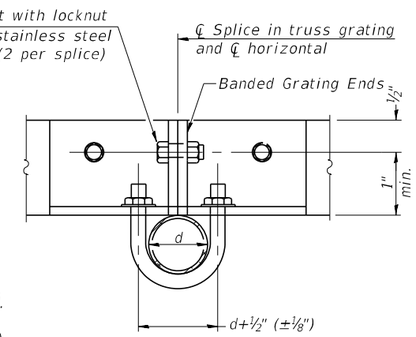
SECTION T-T



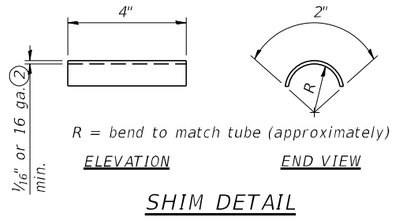
DETAIL T'

(Truss grating splice)

Details not shown same as Detail T.
Alternate materials may be used subject to the Engineer's review and approval.



SECTION T'-T'



SHIM DETAIL

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars (MBB) shall be 3/16" x 1½" on 1 3/16" centers and conform to ASTM B211 Alloy 6061-T6.

Cross bars (CB) shall be 3/16" x 1½" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "t" sections for main bearing bars shall meet the following requirements:

Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1½", spaced on 1 3/16" centers.

Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	(6) B	C	(6) D
1C099I055R252.1	NB I-55, 306+00	8½"	-	7'-0"	7'-6"
1C099S059R000.0	RAMP D/IL 59 (DDI SB), 7021+43	8½"	-	7'-0"	7'-6"

(1) Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.

(2) Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.

(3) If Handrail Joint present, weld angle to WF(A-N)4 and ¼" extension bars.

(4) PL ⅛" x ½" x 2" welded to handrail posts to protect locations that contact grating.

(5) Tube to grating gap may vary from 0 to ½", max. to align walkway, allow for camber, etc.

(6) Based on actual sign height, Ds, given on OSC-A-1.

OSC-A-7

2-17-2017

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Job No. 10740

USER NAME = kkenny | DESIGNED - WKK | REVISED -
PLOT SCALE = | CHECKED - JHG | REVISED -
DATE = 02/04/2022 | DRAWN - AJB | REVISED -
CHECKED - JHG | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - WALKWAY
DETAILS - ALUMINUM TRUSS & STEEL POST

SHEET 23 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	860
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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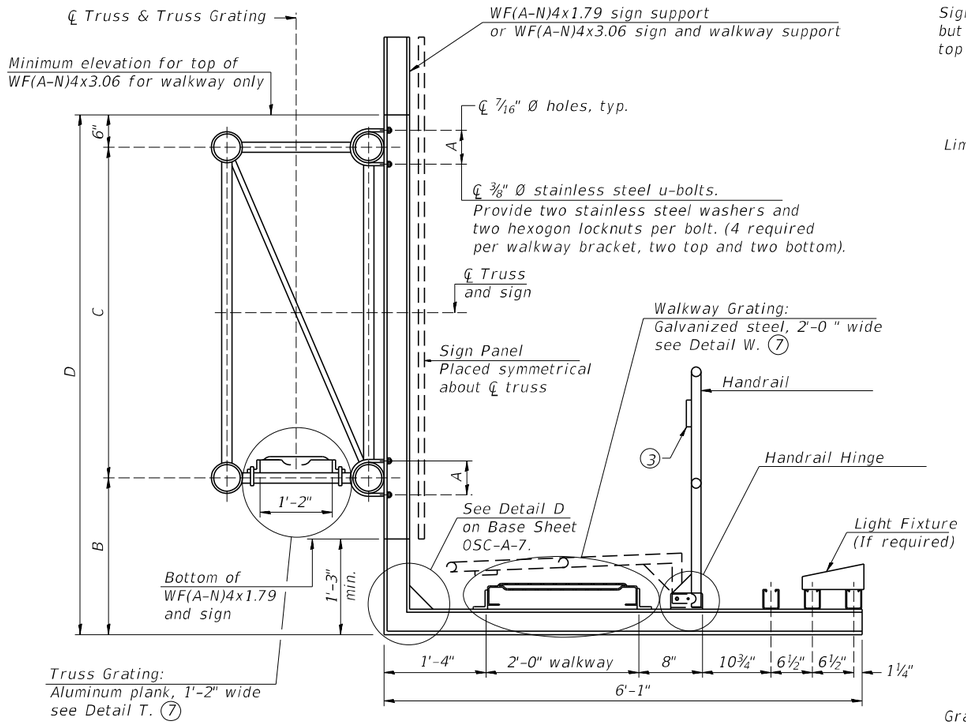
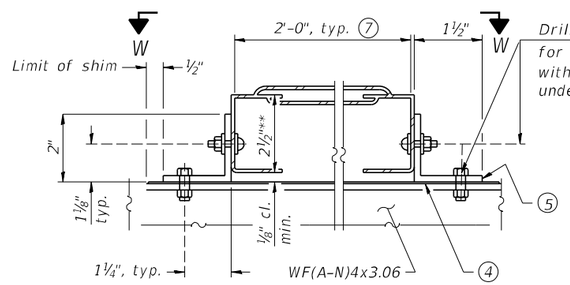


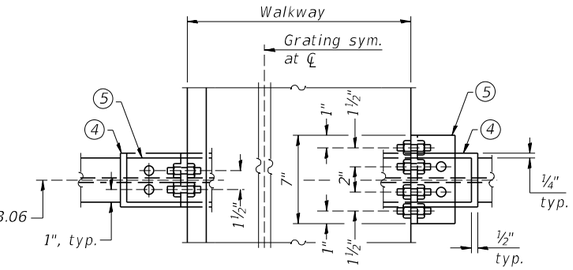
SECTION B-B

Sign shall be even with the top of the bracket, but it may extend no more than 6" above the top of the bracket for field adjustments.



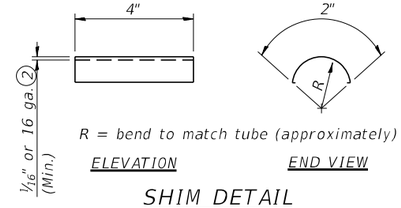
DETAIL W

GALVANIZED STEEL WALKWAY GRATING



WALKWAY GRATING CONTINUOUS AT WALKWAY GRATING SPLICE

SECTION W-W



R = bend to match tube (approximately)

ELEVATION END VIEW

SHIM DETAIL

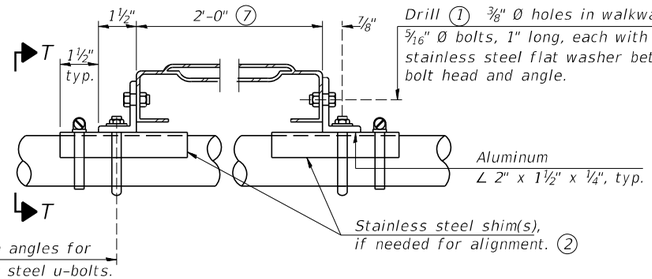
SECTION T-T

(Truss Grating Continuous)

SECTION T-T

(Truss Grating Splice)

Alternate splice details and locations may be used subject to the Engineer's review and approval.



DETAIL T

(Truss grating at horizontal)

ALUMINUM TRUSS GRATING

Structure Number	Station	A	(6) B	C	(6) D
1C099I055R252.1	NB I-55, 306+00	8½"	-	7'-0"	7'-6"
1C099S059R000.0	RAMP D/IL 59 (DDI SB), 7021+43	8½"	-	7'-0"	7'-6"

Walkway grating, walkway supports, handrail, and lighting are not included in this contract. Information shown on this sheet shall be used for truss grating and sign brackets only.

(1) Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.

(2) Stainless steel shims shall be placed under angles at horizontals and horizonal diagonals if needed to compensate for alignment variations and differences in horizontal diagonal pipe sizes beyond adjustment provided by angles. Secure with one stainless steel clamp per location, se "Shim Detail". Thicker shim plates may be used when needed subject to shims performing properly.

(3) ℄ ⅛" x ½" x 2" welded to handrail posts to protect locations that contact grating.

(4) 1/16" (or 16 ga.) x 2½" x 4" stainless steel shim adhered to top of WF(A-N)4x3.06 beneath each galvanized angle, typ. Adhesives for shims shall be suitable for materials joined and full exposure conditions.

(5) Galvanized steel ∠ 2" x 2" x ¼", 3½" long with continuous grating 7" long at grating splice.

(6) Details shown are considered equal alternatives to Aluminum Walkway Details and may be substituted by Contractor at no charge in contract cost.

(7) Perforated or expanded metal grating providing a skid resistant (non-serrated) surface and capable of supporting a 500 pound concentrated load with a 6'-0" clear span. Walkway and truss grating dimensions are nominal and may vary (width ±½", depth ½") based on available standard sizes. Cut ends of grating shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.

(8) Based on actual sign height, Ds, given on 0SC-A-1.

0SC-A-7S 2-17-2017

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10740

USER NAME = kkenny	DESIGNED - WKK	REVISED -
	CHECKED - JHG	REVISED -
PLOT SCALE =	DRAWN - AJB	REVISED -
DATE = 02/04/2022	CHECKED - JHG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

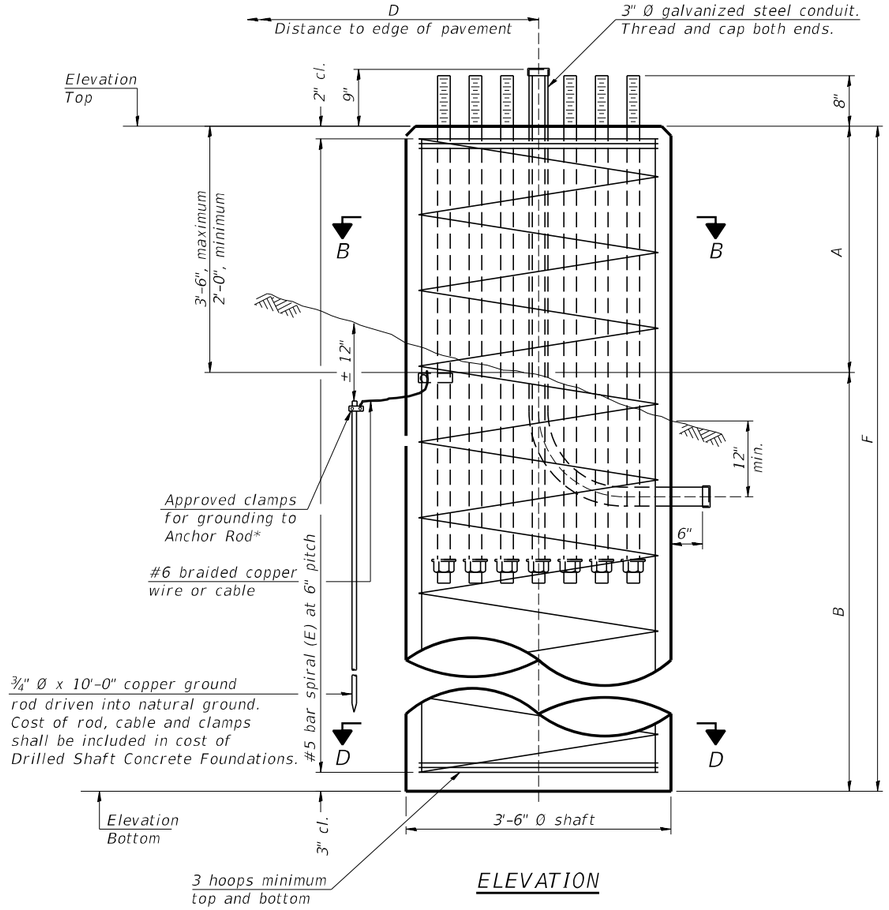
CANTILEVER SIGN STRUCTURES
ALTERNATE WALKWAY DETAILS

SHEET 24 OF 35 SHEETS

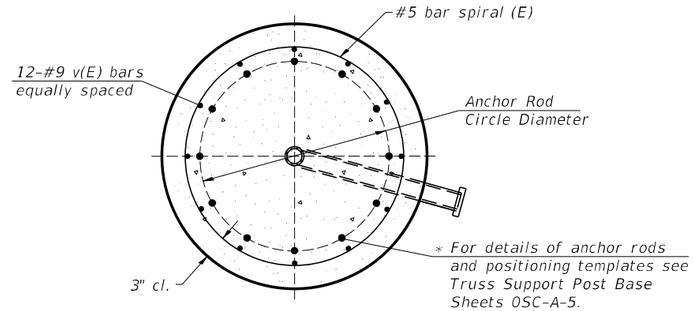
F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	861
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\benesch-pwbentley.com:benesch-pw-01\Documents\10708A\10740.00\Eng Docs Phase II\Structures\SignStructures\Final\D1H2H15-CS07-alt walk dtls

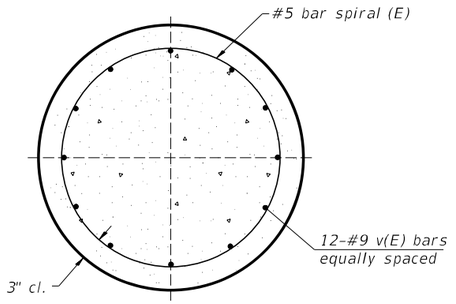
* Grind anchor rod to bright finish at ground clamp location before installing clamp.



ELEVATION



SECTION B-B



SECTION D-D

NOTES:

The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown in the Foundation Data Table will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

FOUNDATION DESIGN TABLE

Truss Type	Post Base Sheet	Maximum Cantilever Length (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anchor Rods		Anchor Rod Circle Diameter (in)
						No.	Diameter (in)	
I-C-A	0SC-A-4	25	170	3.0	16.0	8	2	22
II-C-A	0SC-A-5	30	170	3.5	17.0	12	2	30
II-C-A	0SC-A-5	30	340	3.5	21.5	12	2	30
III-C-A	0SC-A-5	35	170	3.5	19.0	12	2	30
III-C-A	0SC-A-5	35	250	3.5	22.5	12	2	30
III-C-A	0SC-A-5	35	400	3.5	26.5	12	2	30
III-C-A	0SC-A-5	40	400	3.5	32.0	12	2	30

FOUNDATION DATA TABLE

Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Qu	A	B	F	Class DS Concrete Cubic Yards
1C099I055R252.1	NB I-55, 306+00	III-C-A	3'-6"	601.24	571.54	1.75	3'-2½"	26'-6"	29'-8½"	10.6
1C099S059R000.0	RAMP D/IL 59 (DDI SB), 7021+43	III-C-A	3'-6"	614.77	579.77	2.40	3'-0"	32'-0"	35'-0"	12.5

0SC-A-9 2-17-2017

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312-565-0450 Job No. 10740

USER NAME = kkenny | DESIGNED - WKK | REVISED -
PLOT SCALE = | DRAWN - AJB | REVISED -
DATE = 02/04/2022 | CHECKED - JHG | REVISED -
CHECKED - JHG | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – DRILLED SHAFT
ALUMINUM TRUSS & STEEL POST
SHEET 25 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	862
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\benesch-pw.bentley.com:benesch-pw-01\Documents\10708\10740.00\Eng Docs_Phase II\Structures\SignStructures\Final\01E2H15-CS10-drilled shaft fdn dtls

Illinois Department of Transportation
Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 3/27/20

ROUTE I-55 and IL 59 DESCRIPTION I-55 NB OHS LOGGED BY MH

SECTION 2018-075-R LOCATION I-55 NB off shoulder, SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-01
Station 218+99.00
Offset 81.30ft RT
Ground Surface Elev. 588.43 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 577.4 ft ▼
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
2 inches of Topsoil 588.26			
Black, Brown and Gray, Moist FILL: SILTY CLAY, trace sand and gravel	4		
Sand seam at 1.5 feet	9 4	2.0 P	20
584.93			
Brown and Gray, Moist FILL: SILTY CLAY, trace gravel	3		
-5	6 9	6.0 P	19
	3		
	6 10	5.5 P	20
	4		
-10	7 10	5.5 P	15
Sand seam from 10 to 11 feet			
577.43 ▼	3		
Stiff Gray, Moist SILTY CLAY, with sand, trace gravel (CL/ML)	7 8	1.8 P	15
	5		
-15	7 8	2.0 P	
Auger and split spoon refusal at 15.5 feet 572.93			
End of Boring			
-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
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SOIL BORING LOG

Page 1 of 1

Date 5/4/20

ROUTE I-55 and IL 59 DESCRIPTION I-55 NB OHS LOGGED BY MH

SECTION 2018-075-R LOCATION I-55 NB median, SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-02
Station 218+99.00
Offset 3.50ft RT
Ground Surface Elev. 588.00 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 577.0 ft ▼
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
16 inches of Asphalt			
586.67	8		
Gray, Moist FILL: SAND and GRAVEL, trace cobbles	16 16		6
	9		
-5	8 6		6
582.00	3		
Gray, Black, Brown, Moist FILL: SILTY CLAY, trace sand and gravel	5 6	3.5 B	20
579.50	3		
Hard Brown and Gray, Moist SILTY CLAY, trace gravel (CL/ML)	8 10	6.0 B	20
-10			
577.00 ▼	2		
Very Stiff Gray, Moist SILTY CLAY LOAM, trace limestone fragments (ML/CL) Sand seam at 11.5 feet	3 5	2.5 B	19
	3		
-15	4 11	3.0 P	9
	6		
	9 13	3.5 P	11
Auger and split spoon refusal at 19.0 feet 569.00	50/6"		
End of Boring			12
-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 3/27/20

ROUTE I-55 and IL 59 DESCRIPTION I-55 NB OHS LOGGED BY MH

SECTION 2018-075-R LOCATION I-55 NB off shoulder, SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-03
Station 233+99.07
Offset 3.40ft RT
Ground Surface Elev. 588.24 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 577.2 ft ▼
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
3 inches of Topsoil 587.99			
Brown and Gray, Moist FILL: SILTY CLAY, with sand	3		
586.74			
Sand seam at 1.5 feet	6 9	3.5 P	20
Very Stiff Brown and Gray, Moist SILTY CLAY, trace gravel (CL/ML)			
	2		
-5	6 8	4.0 P	19
582.24			
Medium Dense Brown and Gray, Wet SAND, trace gravel (SP)	3 5 6		20
580.24			
Very Stiff Gray, Moist SILTY CLAY, trace sand (CL/ML)	3		
-10	4 5	2.3 P	15
577.24 ▼			
LIMESTONE, highly weathered	5 50/3"		15
Auger and split spoon refusal at 13.0 feet 575.24	50/2"		
End of Boring			5
-15			
-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10740

USER NAME = kkenny	DESIGNED - WKK	REVISED -	
	CHECKED - JHG	REVISED -	
PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SOIL BORING LOGS (1 OF 10)

SHEET 26 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2018-075-R	WILL	1510	863
		CONTRACT NO. 62H15		
-	FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT	

Illinois Department of Transportation
Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 5/4/20

ROUTE I-55 and IL 59 DESCRIPTION I-55 NB OHS LOGGED BY MH

SECTION 2018-075-R LOCATION I-55 NB median, SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-04
Station 233+99.07
Offset 78.70ft RT
Ground Surface Elev. 589.00 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 576.0 ft
Upon Completion N/A ft
After N/A Hrs. N/A ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
17 inches of Asphalt 4 inches of Aggregate Base Course		15		
	587.25	29		6
Brown and Gray, Moist FILL: SAND and GRAVEL		17		
	585.50			
Black, Brown, and Gray, Moist FILL: SILTY CLAY LOAM		2		
		5	6.0	15
	-5	6	P	
		2		
		5	4.0	10
		7	B	
	580.50			
Hard Brown and Gray, Very Moist SILTY CLAY, trace gravel and sand (CL/ML)		4		
		7	4.2	30
	-10	10	B	
	578.00			
Very Stiff Gray, Moist SILTY CLAY LOAM (ML/CL)		3		
		3	3.1	14
		6	B	
	575.50			
LIMESTONE - highly weathered, with sand		48		
		42		8
	-15	12		
Auger and split spoon refusal at 16.0 feet	573.00	50/1"		
End of Boring				3
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 4/10/20

ROUTE I-55 and IL 59 DESCRIPTION Il 59 (DDI) NB OHS LOGGED BY AB

SECTION 2018-075-R LOCATION I-55 NB off shoulder, SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-05
Station 1105+60.41
Offset 50.00ft LT
Ground Surface Elev. 585.38 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 574.4 ft
Upon Completion N/A ft
After N/A Hrs. N/A ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
8 inches of Topsoil	584.72			
Medium Stiff Very Stiff Brown and Gray, Moist SILTY CLAY, trace gravel (CL/ML)		2		
		3	0.8	24
		3	P	
		3		
		4	3.1	7
	-5	6	B	
		3		
		4	2.1	21
		5	B	
	576.88			
Very Stiff Gray, Moist SILTY CLAY, trace gravel (CL/ML)		4		
		5	2.3	20
	-10	6	B	
		5		
		9	2.5	11
		9	B	
		8		
		8	2.9	11
	-15	10	B	
Auger and split spoon refusal at 15.5 feet	569.88			
End of Boring				
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 4/10/20

ROUTE I-55 and IL 59 DESCRIPTION Il 59 (DDI) NB OHS LOGGED BY AB

SECTION 2018-075-R LOCATION I-55 NB off shoulder, SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-06
Station 1105+60.41
Offset 25.90ft RT
Ground Surface Elev. 585.85 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 574.9 ft
Upon Completion N/A ft
After N/A Hrs. N/A ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
7 inches of Topsoil	585.27			
Very Stiff to Hard Brown, Black and Gray, Moist SILTY CLAY, trace gravel (CL/ML)		3		
		3	3.3	25
		4	B	
		4		
		6	6.0	20
	-5	7	B	
		13		
Cobbles at 6.5 feet		16	4.5	21
		11	P	
	577.35			
Very Stiff Gray, Moist SILTY CLAY, trace gravel (CL/ML)		5		
		5	3.0	22
	-10	6	P	
		3		
		6	2.5	11
		12	B	
		6		
		7	4.5	10
	-15	13	P	
Auger and split spoon refusal at 16.5 feet	569.35	32		
End of Boring		50/1"		
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

MODEL: Default
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benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
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312-565-0450 Job No. 10748

USER NAME = kkenny	DESIGNED - WKK	REVISED -	
	CHECKED - JHG	REVISED -	
PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SOIL BORING LOGS (2 OF 10)
SHEET 27 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	864
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 2

Date 3/27/20

ROUTE I-55 and IL 59 DESCRIPTION I-55 Entrance Ramp B from SB DDI LOGGED BY PS

SECTION 2018-075-R LOCATION West of IL 59, SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-07
Station 7021+38.77
Offset 1.07ft RT
Ground Surface Elev. 615.05 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 582.0 ft ▼
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
9 inches of Asphalt 614.30			
Black and Gray, Moist FILL:SILTY CLAY, with sand, trace gravel	8		
	11 9	1.3 P	12
	3		
-5	6 4	0.6 B	9
	3		
608.55 Gray and Brown, Dry to Very Moist FILL: SILTY CLAY LOAM, trace gravel	3 3	3.1 B	17
	3		
-10	4 7	1.9 B	16
	3		
	6 8	2.5 B	32
	4		
-15	5 7	4.0 B	27
Cobbles at 18.5 feet 596.05	15		
-20	8 8	0.8 R	3
Medium Stiff to Hard Brown and Gray, Moist SILTY CLAY, trace sand, gravel and cobbles (CL/ML) *(continued)*			
	5		
-25	7 13	4.5 P	16
	10		
-30	9 /	2.0 P	50
582.05 ▼ Very Stiff Gray, Moist SILTY CLAY, trace gravel (CL/ML)	6		
	6 9	2.3 P	18
Rock fragments at 33 to 34 feet			
-35	4		
-40	6 7	2.5 B	23

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
GSG Consultants

SOIL BORING LOG

Page 2 of 2

Date 3/27/20

ROUTE I-55 and IL 59 DESCRIPTION I-55 Entrance Ramp B from SB DDI LOGGED BY PS

SECTION 2018-075-R LOCATION West of IL 59, SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-07
Station 7021+38.77
Offset 1.07ft RT
Ground Surface Elev. 615.05 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 582.0 ft ▼
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Gray, Moist SILTY CLAY, trace gravel (CL/ML)			
Rock fragments at 33 to 34 feet *(continued)* 572.05			
LIMESTONE, highly weathered	12		
	14		7
-45	50/2"		
Auger and split spoon refusal at 46.0 feet 569.05	50/1"		
End of Boring			10
-50			
-55			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 3/11/20

ROUTE I-55 and IL 59 DESCRIPTION Ramp A from I-55 SB to IL-59 LOGGED BY AB

SECTION 2018-075-R LOCATION West of I-55, SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-08
Station 912+61.18
Offset 27.82ft RT
Ground Surface Elev. 596.04 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 575.0 ft ▼
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6 inches of Topsoil 595.54			
Brown, Gray and Black, Moist to Very Moist FILL: SILTY CLAY, with gravel	3		
	4 4	2.3 B	34
	2		
-5	3 3	1.5 B	20
590.04 Very Stiff to Hard Brown and Gray, Moist SILTY CLAY, trace gravel	3		
	4 11	7.5 B	19
	4		
-10	8 10	5.2 B	20
	4		
	6 7	2.9 B	21
	3		
-15	4 6	3.5 B	21
580.04 Very Stiff Gray, Moist SILTY CLAY (CL/ML)	4		
	7 7	2.9 B	19
	3		
Sand Seam at 19 feet	4 10	3.3 B	19
-20			
Very Stiff Gray, Moist SILTY CLAY (CL/ML) *(continued)*			
	12		
	50/4"		6
Auger and split spoon refusal at 23.5 feet 572.54			
	50/2"		
End of Boring			12
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

MODEL: Default
FILE NAME: pw:\\benesch-pwbentley.combenesch-pw-01\Documents\10700s\10740.00\Eng_Docs_Phase_II\Structures\SignStructures\Final\D162H15-SSIB-boring_logs003.dgn

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10740

USER NAME = kkenny	DESIGNED - WKK	REVISED -	
	CHECKED - JHG	REVISED -	
PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SOIL BORING LOGS (3 OF 10)

SHEET 28 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2018-075-R	WILL	1510	865
		CONTRACT NO. 62H15		
-	FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT	

Illinois Department of Transportation
Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 4/2/20

ROUTE I-55 and IL 59 DESCRIPTION IL-59 NB LOGGED BY ES

SECTION 2018-075-R LOCATION East of IL 59 SEC. , TWP. , RNG. ,
Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-09
Station 8005+40.47
Offset 21.25ft LT
Ground Surface Elev. 607.63 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 584.1 ft ▼
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
607.13 6 inches of Asphalt			
Brown, Moist FILL: SAND AND GRAVEL	12		
	50/5"		6
603.63	6		
Brown and Gray, Moist FILL: SILTY CLAY, trace gravel	9	8.3	14
-5	14	B	
Limestone fragments at 6 feet	3		
	5	3.5	13
	6	P	
	4		
	6	1.0	13
-10	8	B	
	6		
594.13	5	3.1	12
Very Stiff Brown and Gray, Moist SILTY CLAY, trace gravel (CL/ML)	9	B	
	4		
-15	7	2.1	11
	9	B	
	3		
	3	2.9	22
	6	B	
	4		
	7	4.0	19
-20	10	B	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Brown and Gray, Moist SILTY CLAY, trace gravel (CL/ML) (continued) 586.13	4		
Very Stiff Brown and Gray, Moist SILTY CLAY LOAM, with gravel (CL/ML)	3	3.1	19
▼	3	B	
	2		
	4	2.5	12
-25	11	P	
581.63	4		
Very Stiff Gray, Moist SILTY CLAY (CL/ML)	6	2.1	16
	9	B	
	3		
	5	3.1	16
-30	6	B	
576.63 LIMESTONE, highly weathered	15		
	19		6
Auger and split spoon refusal at 575.13 32.5 feet	50/3"		
End of Boring			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 3/24/20

ROUTE I-55 and IL 59 DESCRIPTION Ramp D from IL-59 SB to SW Frontage Rd LOGGED BY AB

SECTION 2018-075-R LOCATION West of IL 59 SEC. , TWP. , RNG. ,
Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-10
Station 402+36.60
Offset 17.21ft LT
Ground Surface Elev. 592.15 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 573.7 ft ▼
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
591.65 6 inches of Topsoil			
Brown, Black and Gray, Moist FILL: SILTY CLAY, trace gravel and organics	2		
	3	1.5	20
	4	B	
	4		
	7	6.0	19
-5	9	B	
586.15	5		
Gray and Brown, Moist FILL: SILTY CLAY, trace gravel	6	4.0	20
	8	B	
	3		
	4	3.1	22
-10	6	B	
581.15	5		
Very Stiff Gray, Moist SILTY CLAY (CL/ML)	8	3.5	19
	10	P	
	4		
	6	3.0	19
-15	8	P	
576.15	8		
LIMESTONE, highly weathered	13		7
▼	13		
	32		
Auger and split spoon refusal at 572.15	50/2"		6
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
20.0 feet End of Boring			
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 4/3/20

ROUTE I-55 and IL 59 DESCRIPTION I-55 NB OHS LOGGED BY EH

SECTION 2018-075-R LOCATION I-55 NB off shoulder, SEC. , TWP. , RNG. ,
Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-11
Station 305+98.12
Offset 71.92ft RT
Ground Surface Elev. 596.23 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 563.2 ft ▼
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
595.98 3 inches of Topsoil			
Brown and Gray, Moist FILLL: SILTY CLAY, trace gravel	5		
	7	2.9	12
	7	B	
	4		
	6	2.1	9
-5	6	B	
590.23	3		
Soft to Hard Gray, Moist SILTY CLAY, trace gravel (CL/ML)	4	0.4	10
	6	B	
	2		
	4	1.7	15
-10	6	B	
	3		
	4	3.3	18
	8	B	
	2		
	6	2.5	14
-15	7	B	
	6		
	8	4.5	19
	13	P	
577.73	9		
Dense Gray, Moist SILTY LOAM (ML)	15		17
-20	20		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dense Gray, Moist SILTY LOAM (ML) (continued)	7		
	15		18
572.73	19		
Stiff to Very Stiff Gray, Moist SILTY CLAY (CL/ML), with gravel (CL/ML)	6		
	5	1.7	21
-25	6	B	
	4		
	5	1.9	19
-30	7	B	
	7		
	9	1.0	8
▼ 562.73 Auger and split spoon refusal at 33.5 feet	50/6"	P	
End of Boring			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

MODEL: Default
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benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10740

USER NAME = kkenny	DESIGNED - WKK	REVISED -	
	CHECKED - JHG	REVISED -	
PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SOIL BORING LOGS (4 OF 10)
SHEET 29 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	866
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 5/6/20

ROUTE I-55 and IL 59 DESCRIPTION I-55 SB OHS LOGGED BY MH

SECTION 2018-075-R LOCATION I-55 SB median, SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-12
Station 314+98.73
Offset 0.26ft RT
Ground Surface Elev. 601.00 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 562.5 ft
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
14 inches of Asphalt			
599.84			
Brown and Gray, Moist FILL: SAND and GRAVEL	24		
	17		10
	7		
597.50			
Brown and Gray, Moist FILL: SILTY CLAY, with gravel	4		
	5	5.0	15
-5	9	P	
595.00			
Hard	4		
Brown and Gray, Moist SILTY CLAY LOAM, trace gravel (ML/CL)	7	5.0	17
	8	B	
	3		
	5	5.5	23
-10	6	P	
590.00			
Very Stiff to Hard Gray, Moist to Very Moist SILTY CLAY, trace sand (CL/ML)	3		
	7	4.4	28
	8	B	
	4		
	5	3.8	27
-15	6	B	
	2		
	4	4.2	25
	6	B	
582.50			
Very Stiff Gray, Moist SILTY CLAY LOAM (ML/CL)	2		
	5	3.5	23
-20	7	P	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Gray, Moist SILTY CLAY LOAM (ML/CL) (continued)			
579.50			
Dense to Very Dense Gray, Very Moist SILTY LOAM (ML)	11		
	25		23
	31		
	15		
	28		19
-25	40		
	13		
	19		20
	25		
572.50			
Stiff to Hard Gray, Moist to Very Moist SILTY CLAY LOAM (ML/CL)	4		
	5	1.9	8
-30	8	B	
	4		
	5	2.1	32
	5	B	
	5		
	10	6.5	18
-35	12	P	
562.00			
LIMESTONE, highly weathered	50/1"		13
561.00 -40			

End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 3/4/20

ROUTE I-55 and IL 59 DESCRIPTION I-55 SB OHS LOGGED BY AB

SECTION 2018-075-R LOCATION I-55 SB off shoulder, SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-13
Station 315+4.25
Offset 70.10ft LT
Ground Surface Elev. 599.70 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 578.7 ft
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6 inches of Topsoil			
599.20			
Brown and Gray, Very Moist FILL: SILTY CLAY, trace gravel	3		
	4	1.5	28
	4	B	
595.70			
Hard Brown and Gray, Moist to Very Moist SILTY CLAY, trace gravel (CL/ML)	3		
	4	5.0	15
-5	6	B	
	4		
	7	5.0	17
	8	B	
	4		
	6	5.4	17
-10	8	B	
	4		
	6	5.2	26
	8	B	
	3		
	5	2.1	12
-15	7	B	
583.70			
Very Stiff Gray, Moist to Very Moist SILTY CLAY (CL/ML)	3		
	4	3.1	25
	6	B	
	3		
	5	3.3	26
-20	8	B	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
578.70			
Medium Dense to Extremely Dense Gray, Moist SILTY LOAM (ML)	6		
	12		17
	23		
	16		
	23		18
-25	24		
	15		
	30		18
	29		
	15		
	15		17
-30	9		
	10		
	10		17
	10		
	7		
	9		13
-35	12		
	24		
	11		9
	10		
	50/4"		
559.70 -40			13

End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 5/6/20

ROUTE I-55 and IL 59 DESCRIPTION I-55 SB OHS LOGGED BY MH

SECTION 2018-075-R LOCATION I-55 SB median, SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-14
Station 375+98.61
Offset 3.98ft LT
Ground Surface Elev. 580.00 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 569.0 ft
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
14 inches of Asphalt			
578.84			
Gray and Brown, Moist FILL: SAND and GRAVEL	10		
	19		4
	20		
576.00			
Black, Brown, and Gray, Moist FILL: SILTY CLAY, with sand and gravel	7		
	9	2.0	24
-5	6	P	
	2		
	2	0.5	25
	4	P	
571.50			
Brown and Gray, Moist to Wet FILL: SANDY LOAM, with gravel	4		
	4		16
-10	5		
Cobbles at 11-12.5 feet	5		
	8		8
	6		
566.50			
Very Stiff Gray, Moist SILTY CLAY LOAM, trace gravel (ML/CL)	4		
	9	3.0	13
-15	50/2"	P	
564.00			
Hard Gray, Moist SILTY CLAY LOAM, with limestone fragments	10		
	7		13
	5		
	6		
	22	5.0	7
-20	41	P	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray, Moist SILTY CLAY LOAM, with limestone fragments (ML/CL) (continued)			
	13		
	33	5.5	14
557.50	50/6"	P	
Auger and split spoon refusal at 22.5 feet			
End of Boring			
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

MODEL: Default
FILE NAME: p:\benesch-pwbentley.combenesch-pw-01\Documents\107408\107408-Eng_Docs_Phase_II\Structures\SignStructures\Final\DI62H15-SS20-boring_logs005.dgn

benesch
Alfred Benesch & Company
25 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10740

USER NAME = kkenny	DESIGNED - WKK	REVISED -	
	CHECKED - JHG	REVISED -	
PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SOIL BORING LOGS (5 OF 10)
SHEET 30 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	867
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation

Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 5/1/20

ROUTE I-55 and IL 59 DESCRIPTION I-55 SB OHS LOGGED BY MH

SECTION 2018-075-R LOCATION I-55 SB off shoulder, SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-15
Station 375+99.86
Offset 63.66ft LT
Ground Surface Elev. 579.05 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 573.1 ft
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	SOIL AND ROCK DESCRIPTION
				10 inches of Asphalt 5 inches of Aggregate Base Course
577.64	7			
	8		14	Brown and Gray, Moist FILL: SAND and GRAVEL
	10			
	9			
	5		NR	
-5	4			
	6			
	9		13	
	10			
	11			
	5		14	
-10	3			
568.05	7			
	4	3.0	11	Very Stiff to Hard Gray, Moist SILTY CLAY LOAM, trace gravel and limestone fragments (ML/CL)
	11	P		
	5			
	9	5.0	11	
-15	5	P		
563.05	13			
	50/6"		12	Extremely Dense Gray, Moist SANDY LOAM, with gravel and limestone fragments (SM)
560.05	14			Auger and split spoon refusal refusal at 19.0 feet
	50/2"		10	
-20				End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation

Division of Highways
GSG Consultants

SOIL BORING LOG

Page 1 of 1

Date 9/25/18

ROUTE I-55 and IL 59 DESCRIPTION LOGGED BY F. Bozga

SECTION 2018-075-R LOCATION , SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. Retaining Wall #6
Station

BORING NO. RW-07
Station 4015+90.36
Offset 64.49ft RT
Ground Surface Elev. 592.46 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 572.0 ft
Upon Completion 571.0 ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	SOIL AND ROCK DESCRIPTION
				3-inch thick, black SILTY LOAM --TOPSOIL--
592.21	8			Hard, brown and gray SILTY CLAY LOAM FILL --RDR 2--
	9	4.5	11	
	8	P		
589.46				
	3			Very stiff, brown and gray CLAY to SILTY CLAY --RDR 2--
	4	3.8	22	
-5	5	B		
586.96	2			Very stiff to hard, brown and gray SILTY CLAY --RDR 2--
	3	2.3	17	
	5	B		
	6			
	9			
-10	11	NR		
	6			
	9	4.3	22	
	13	B		
	7			-- silt lenses; moist--
	10	4.2	16	
-15	14	B		
576.96	10			Medium dense, gray SILT; damp --RDR 2--
575.71	8	0.8	31	Medium stiff, gray CLAY to SILTY CLAY --RDR 2--
	0	B		
573.96	4			
	10		13	
-20	6	NP		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	SOIL AND ROCK DESCRIPTION
				Medium dense to very dense, gray SILTY LOAM, little gravel; moist --RDR 2 to 4-- --hard drilling; 20 to 23 feet-- *(continued)*
	5			
	11			
	40	NP	11	
569.46				Strong, light grayish gray, very poor quality DOLOSTONE; closely spaced, fresh, horizontal joints, with <0.05 inch opening, slightly rough walls, and no infill; few chert nodules. --RUN 1: 23.0 to 25.5 feet-- --RECOVERY = 93%-- --RQD = 17%-- Boring terminated at 25.50 ft End of Boring
-25				
566.96				
-30				
-35				
-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Wang Engineering

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Lombard, IL 60148
Telephone: (630) 953-9928
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BORING LOG OS-01

Page 1 of 1

WEI Job No.: 555-16-04

Client IDOT
Project I-55 at IL 59
Location Will County, IL

Datum: NAVD 88
Elevation: 592.00 ft
North: 1763561.07 ft
East: 1021400.37 ft
Station: 290+82.79
Offset: 82.12 LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blws/6 in)	Qu (tsf)	Moisture Content (%)
591.6	5-inch thick, black SILTY CLAY --TOPSOIL--						
	Very stiff, black CLAY, trace organic matter --RDR 2--			1	2 4 5	2.30 B	29
587.3	Stiff to very stiff, black to gray SILTY CLAY --RDR 2--	5		2	2 3 4	1.00 P	28
				3	3 5 6	1.00 P	22
583.0	Medium dense, brown to gray, SANDY GRAVEL, few sandy loam lenses; moist to saturated --RDR 2--	10		4	6 8 10	NP	14
580.5	Hard, brown to gray SILTY CLAY, trace gravel --RDR 2--			5	5 4 7	4.02 B	21
		15		6	4 7 12	4.18 R	21
576.5	Medium dense, gray SILT; moist --RDR 2--			7	6 10 10	NP	21
573.0	Very stiff to hard, gray SILTY CLAY; moist --RDR 2 to 3--	20		8	6 8 12	3.94 B	23
				9	4 5 7	2.38 B	31
567.5	Dense, gray GRAVEL; wet	25		10	10 39 21	4.92 B	22

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blws/6 in)	Qu (tsf)	Moisture Content (%)
565.5	--AUGER REFUSAL-- Boring terminated at 26.50 ft			11	50/6"		14
		30					
		35					
		40					
		45					
		50					

GENERAL NOTES

Begin Drilling 10-08-2018 Complete Drilling 10-08-2018
Drilling Contractor Wang Drill Rig D25 ATV [93%]
Driller N&K Logger M. Sadowski Checked by C. Marin
Drilling Method 2.25" ID HSA; auto hammer; boring grouted backfilled

WATER LEVEL DATA

While Drilling ▽ 9.00 ft
At Completion of Drilling ▼ 6.00 ft
Time After Drilling NA
Depth to Water ▽ NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 555164.GPJ WANGENG.GDT 11/29/18

MODEL: Default
FILE NAME: pw:\benesch-pw.bentley.com:benesch-pw-21\Documents\10708s\10748.08\Eng Docs, Phase II\Structures\SignStructures\Final\D62H15-SS21-boring logs005.dgn

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10748

USER NAME = kkenny	DESIGNED - WKK	REVISED -	
	CHECKED - JHG	REVISED -	
PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SOIL BORING LOGS (6 OF 10)

SHEET 31 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	868
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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BORING LOG OS-01A

WEI Job No.: 555-16-04

Client: IDOT
Project: I-55 at IL 59
Location: Will County, IL

Datum: NAVD 88
Elevation: 597.23 ft
North: 1763578.02 ft
East: 1021486.18 ft
Station: 291+21.40
Offset: 3.81 LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / Recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
596.1	14-inch thick ASPHALT --PAVEMENT--						
	Dense, gray SANDY GRAVEL; moist --BASE COURSE--			1	10 19 17	NP	7
594.2	Medium stiff, brown, black, and gray SILTY CLAY LOAM --FILL-- --RDR 1--	5		2	7 4 3	0.75 P	18
591.7	Stiff to very stiff, brown, black, and gray CLAY to SILTY CLAY --RDR 2--			3	2 2 4	1.48 B	27
	--brown-- --trace gravel--	10		4	2 3 3	2.46 B	21
587.3	Brown SAND; wet						
586.3	Very stiff, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel --RDR 2--			5	4 4 9	2.95 B	12
584.2	Very stiff to hard, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel --RDR 2--	15		6	4 4 7	2.46 D	16
	--<1-inch thick silt lenses--			7	7 8 13	4.92 B	22
579.2	Medium dense, gray SILT; damp to moist --RDR 2-- --<1-inch thick clay lenses--	20		8	4 11 13	NP	19
				9	11 9 19	NP	18
574.2	Very stiff, gray SILTY CLAY --RDR 2--	25		10	8 8 11	3.28 B	20
571.7	Medium dense, gray SILT; wet --RDR 2--			11	4 6 12	NP	18
569.2	Dense, gray SILTY LOAM, trace gravel; moist --RDR 3 to 5--	30		12	7 11 21	NP	11
	--hard drilling; 30 to 31 feet-- --AUGER REFUSAL--						
566.2	Strong, light grayish gray, fair quality, DOLOSTONE; closely spaced, fresh, horizontal joints, with 0.05 - 0.2 inch opening, rough walls, and no infill. --RUN 1: 31.0 to 41.0 feet-- --RECOVERY = 94%-- --RQD = 55%--	35		13			
		40					
556.2	Boring terminated at 41.00 ft	45					
		50					

GENERAL NOTES

Begin Drilling: 10-08-2018 Complete Drilling: 10-08-2018
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: J&K Logger: F. Bozga Checked by: C. Marin
Drilling Method: 3.25" ID HSA; auto hammer; boring grouted backfilled

WATER LEVEL DATA

While Drilling: 10.00 ft
At Completion of Drilling: 23.00 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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BORING LOG OS-03

WEI Job No.: 555-16-04

Client: IDOT
Project: I-55 at IL 59
Location: Will County, IL

Datum: NAVD 88
Elevation: 590.72 ft
North: 1762477.18 ft
East: 1020825.94 ft
Station: 7005+20.63
Offset: 50.83 RT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / Recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
590.1	8-inch thick, black SILTY CLAY --TOPSOIL--						
	Hard, brown to gray SILTY CLAY, trace gravel <<R>>--RDR 2--			1	3 6 10	4.92 B	19
587.7	--FILL-- Very stiff to hard, brown to gray CLAY to SILTY CLAY; moist --RDR 2--	5		2	7 8 8	4.02 B	21
583.7	--saturated sand lens--			3	6 7 10	3.69 B	20
		10		4	3 5 10	3.26 B	21
580.2	Very stiff, gray to brown SILTY CLAY LOAM, little gravel; moist --RDR 2--			5	5 9 12	2.36 B	22
		15		6	5 12 12	2.46 D	18
574.7	Very dense, gray DOLOSTONE fragments; wet --AUGER REFUSAL			7	50/5"	NP	10
574.2	Boring terminated at 16.50 ft	20					
		25					

GENERAL NOTES

Begin Drilling: 10-08-2018 Complete Drilling: 10-08-2018
Drilling Contractor: Wang Drill Rig: D25 ATV [93%]
Driller: N&K Logger: M. Sadowski Checked by: C. Marin
Drilling Method: 2.25" ID HSA; auto hammer; boring grouted backfilled

WATER LEVEL DATA

While Drilling: 7.00 ft
At Completion of Drilling: 16.50 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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BORING LOG OS-04

WEI Job No.: 555-16-04

Client: IDOT
Project: I-55 at IL 59
Location: Will County, IL

Datum: NAVD 88
Elevation: 607.11 ft
North: 1762439.87 ft
East: 1020906.15 ft
Station: 7005+38.81
Offset: 27.81 LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / Recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
607.0	Black SILTY CLAY --TOPSOIL--						
	Hard, gray SILTY CLAY LOAM, trace gravel --FILL-- --RDR 3--			1	6 10 10	> 4.50 P	11
604.4							
603.9	Possible sand; wet spoon						
	Stiff to hard, brown and gray SILTY CLAY LOAM to SILTY CLAY, trace gravel --FILL-- --RDR 2 to 4--	5		2	6 8 8	> 4.50 P	17
				3	3 5 50/3"	1.72 B	14
	--brown, black and gray--	10		4	5 7 11	2.00 P	14
		15		5	8 9 10	6.15 B	18
591.6	Hard, brown and gray CLAY to SILTY CLAY, trace gravel --RDR 2--			6	4 6 7	2.46 R	13
				7	4 6 9	4.18 B	20
		20		8	3 6 11	4.43 B	20
586.6	Loose to medium dense, brown SANDY GRAVEL; saturated --RDR 2--			9	2 3 4	NP	18
		25		10	4 7 9	NP	11
581.6	Hard, gray SILTY CLAY, silt lenses --RDR 2 to 4--			11	5 7 12	5.82 B	18
		30		12	7 8 15	4.10 B	22
	--hard drilling; 31 to 31.5 feet-- --AUGER REFUSAL--			13	50/1"	NR	
575.5	Boring terminated at 31.58 ft	35					
		40					
		45					
		50					

GENERAL NOTES

Begin Drilling: 10-09-2018 Complete Drilling: 10-09-2018
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: J&K Logger: F. Bozga Checked by: C. Marin
Drilling Method: 2.25" ID HSA; auto hammer; boring grouted backfilled

WATER LEVEL DATA

While Drilling: 3.00 ft
At Completion of Drilling: 23.00 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
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312-565-0450
Job No. 10740

USER NAME = kkenny	DESIGNED - WKK	REVISED -
	CHECKED - JHG	REVISED -
PLOT SCALE =	DRAWN - AJB	REVISED -
DATE = 02/04/2022	CHECKED - JHG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SOIL BORING LOGS (7 OF 10)

SHEET 32 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	869
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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BORING LOG OS-08

WEI Job No.: 555-16-04

Client: IDOT
Project: I-55 at IL 59
Location: Will County, IL

Datum: NAVD 88
Elevation: 595.52 ft
North: 1761560.00 ft
East: 1021054.50 ft
Station: 8022+78.37
Offset: 178.02 LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
594.5	8-inch thick, black SILTY CLAY LOAM --TOPSOIL--							
	Very stiff to hard, brown SILTY CLAY LOAM, trace gravel --FILL-- --RDR 2 to 4--				1	7 7 7	3.25 P	20
		5			2	6 7 9	4.00 P	20
590.0	--hard drilling; 5 to 6 feet-- Very stiff to hard, brown and gray CLAY to SILTY CLAY --RDR 2--				3	14 9 10	3.12 B	21
		10			4	3 5 7	2.05 B	27
	- moist silt lenses--				5	5 8 11	4.51 B	20
	--moist silt lenses--	15			6	5 8 11	2.87 D	20
579.2	Medium dense, gray SILT; moist --RDR 2--				7	6 12 13	NP	27
575.5	Very stiff, gray SILTY CLAY --RDR 2--				8	5 5 6	1.64 B	25
	--hard drilling; 20 to 21 feet--	20						
574.0	Very dense, gray SANDY GRAVEL; saturated --WEATHERED BEDROCK-- --AUGER REFUSAL--				9	50/3"	NP	11
	Boring terminated at 21.50 ft	25						

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	10-04-2018	Complete Drilling	10-04-2018	While Drilling	20.00 ft
Drilling Contractor	Wang Testing Services	Drill Rig	D25 ATV [93%]	At Completion of Drilling	19.50 ft
Driller	N&K	Logger	F. Bozga	Checked by	C. Marin
Drilling Method	2.25" ID HSA; auto hammer; boring grouted backfilled			Time After Drilling	NA
				Depth to Water	NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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BORING LOG OS-08A

WEI Job No.: 555-16-04

Client: IDOT
Project: I-55 at IL 59
Location: Will County, IL

Datum: NAVD 88
Elevation: 594.58 ft
North: 1761615.41 ft
East: 1021125.31 ft
Station: 8022+80.38
Offset: 88.12 LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
593.8	10-inch thick, black SILTY CLAY LOAM --TOPSOIL--							
	Stiff to hard, brown and gray SILTY CLAY --RDR 2--				1	3 5 6	1.72 B	27
		5			2	4 6 8	3.12 B	19
					3	9 10 12	2.00 P	20
	--<1-inch thick sand seams; moist-- --trace gravel--	10			4	4 10 20	6.56 B	21
					5	6 7 12	3.28 B	22
		15			6	6 8 11	3.94 D	19
577.6	Gray SILT; wet --RDR 3--				7	5 6 13	1.64 B	25
576.6	Medium dense, gray SANDY GRAVEL; saturated --RDR 3 to 5--				8	7 14 15	NP	14
	--hard drilling; 20 to 21 feet-- --AUGER REFUSAL--	20						
573.6	Boring terminated at 21.00 ft				9	50/0"	NR	
		25						

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	10-04-2018	Complete Drilling	10-04-2018	While Drilling	17.00 ft
Drilling Contractor	Wang Testing Services	Drill Rig	D25 ATV [93%]	At Completion of Drilling	14.00 ft
Driller	N&K	Logger	F. Bozga	Checked by	C. Marin
Drilling Method	2.25" ID HSA; auto hammer; boring grouted backfilled			Time After Drilling	NA
				Depth to Water	NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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BORING LOG OS-10

WEI Job No.: 555-16-04

Client: IDOT
Project: I-55 at IL 59
Location: Will County, IL

Datum: NAVD 88
Elevation: 586.34 ft
North: 1760392.81 ft
East: 1021434.21 ft
Station: 8008+36.25
Offset: 63.83 LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
585.8	6-inch thick, black SILTY CLAY LOAM --TOPSOIL--							
	Very stiff to hard, brown SILTY CLAY LOAM, trace gravel --FILL-- --RDR 2--				1	4 7 10	5.33 B	20
		5			2	5 5 5	2.21 B	27
580.8	Medium dense, brown and gray SANDY GRAVEL; wet to saturated --RDR 2 to 3--				3	7 10 10	NP	10
		10			4	6 18 9	NP	11
575.8	Medium dense, gray SILT; saturated --RDR 2--				5	9 11 13	NP	21
573.3	Very stiff, gray CLAY to SILTY CLAY --RDR 2--	15			6	7 8 9	2.05 R	30
570.8	Medium dense to very dense, gray SILTY LOAM; wet to damp --RDR 2 to 5--				7	9 11 12	NP	10
	--hard drilling; 19.5 to 20.5 feet-- --possible cobbles-- --AUGER REFUSAL--	20			8	17 39 60/4"	NP	8
565.8	Boring terminated at 20.58 ft				9	50/1"	NR	
		25						

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	10-05-2018	Complete Drilling	10-05-2018	While Drilling	5.50 ft
Drilling Contractor	Wang Testing Services	Drill Rig	D25 ATV [93%]	At Completion of Drilling	8.00 ft
Driller	N&K	Logger	F. Bozga	Checked by	C. Marin
Drilling Method	2.25" ID HSA; auto hammer; boring grouted backfilled			Time After Drilling	NA
				Depth to Water	NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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312-565-0450
Job No. 10740

USER NAME = kkenny	DESIGNED - WKK	REVISED -	
	CHECKED - JHG	REVISED -	
PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SOIL BORING LOGS (8 OF 10)

SHEET 33 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	870
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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BORING LOG OS-11

WEI Job No.: 555-16-04

Client: IDOT
Project: I-55 at IL 59
Location: Will County, IL

Datum: NAVD 88
Elevation: 588.60 ft
North: 1760368.99 ft
East: 1021512.90 ft
Station: 8008+38.43
Offset: 18.36 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
587.6	12-inch thick ASPHALT --PAVEMENT--						
	Medium dense, gray SANDY GRAVEL; moist --BASE COURSE-- --RDR 3--			1	9 7 7	NP	6
585.6	Very stiff, gray SILTY CLAY, trace gravel			2	4 4 23	2.50 P	12
584	--FILL-- --RDR 2-- --hard drilling, 4.5 to 6.0 feet--						
582.6	--wet spoon-- Saturated SANDY GRAVEL			3	2 3 5	1.23 B	29
580.6	Stiff, brown and black SILTY CLAY LOAM, little gravel --RDR 2--						
	Medium dense, brown and gray SANDY GRAVEL; wet to saturated --RDR 2--	10		4	7 8 11	NP	14
				5	8 11 14	NP	12
574.6	Very stiff, gray SILTY CLAY --RDR 2--	15		6	5 6 8	3.12 D	19
				7	3 4 6	2.46 B	30
570.6	Medium dense to very dense, gray SILTY LOAM, trace gravel; moist --RDR 2 to 3--	20		8	8 10 14	NP	11
566.1	--hard drilling; 22.5 to 24.0 feet-- RDR 3 to 5--			9	19 24 50	NP	10
564.6	Possible WEATHERED BEDROCK	25		10	50/0"	NR	

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	--AUGER REFUSAL-- Boring terminated at 24.00 ft	30					
		35					
		40					
		45					
		50					

GENERAL NOTES

Begin Drilling: 10-09-2018 Complete Drilling: 10-09-2018
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: J&K Logger: F. Bozga Checked by: C. Marin
Drilling Method: 2.25" ID HSA; auto hammer; boring grouted backfilled

WATER LEVEL DATA

While Drilling: 5.50 ft
At Completion of Drilling: 7.00 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 555104.GPJ WANGENG.GDT 11/29/18

Illinois Department of Transportation
Division of Highways
GSG Consultants, Inc.

SOIL BORING LOG

Date 12/10/20

ROUTE I-55 and IL 59 DESCRIPTION I-55 SB OHS LOGGED BY MH
SECTION 2018-075-R LOCATION I-55 NB Median, SEC. , TWP. , RNG. ,
Latitude , Longitude
COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-18
Station 355+61.48
Offset 2.81ft RT
Ground Surface Elev. 579.43 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
First Encounter 570.4 ft ▼
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	15 inches of Asphalt		
578.18			
	Gray, Moist FILL: SAND, with gravel		
	15 23 18		
575.93			
	Brown and Gray, Moist FILL: SILTY CLAY, with sand and gravel		
	7 8 8	2.0 P	
-5			
	4 4 4	1.5 P	
570.43 ▼	Auger refusal at 9.0 feet		
	50	3.0 P	
	LIMESTONE - Gray and Light Pink, Moderately Weathered, Vugs, Fractured, trace shale seams		
-10			
	Run 1: 9.0 to 19.0 feet Recovery: 94.6% RQD: 41.7%		
-15			
560.43			
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	Run 2: 19.0 to 24.0 feet Recovery: 100% RQD: 35.0% *(continued)*		
555.43			
	End of Boring		
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
GSG Consultants, Inc.

SOIL BORING LOG

Date 12/10/20

ROUTE I-55 and IL 59 DESCRIPTION I-55 SB OHS LOGGED BY MH
SECTION 2018-075-R LOCATION I-55 SB off shoulder, SEC. , TWP. , RNG. ,
Latitude , Longitude
COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. OHS-19
Station 355+54.35
Offset 87.89ft LT
Ground Surface Elev. 574.94 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
First Encounter 568.9 ft ▼
Upon Completion N/A ft
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	5 inches of Topsoil		
574.52			
	Brown and Gray, Moist FILL: SILTY CLAY, trace gravel		
	3 4 6	1.0 P	
571.44			
	Medium Dense to Dense Brown and Gray, Moist SAND, with gravel and limestone fragments (SP)		
	4 5 9		
-15			
	14 15		
567.94	LIMESTONE, highly weathered		
	50		
566.44	Auger refusal at 8.5 feet		
	End of Boring		
-15			
-29			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

MODEL: Default
FILE NAME: p:\benesch-pw:benteycombenesch-pw-01\Documents\10700s\10740.02\Eng_Docs_Phase_II\Structures\SignStructures\Final\D162H15-SS24-boring_logs09.dgn

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312-565-0450 Job No. 10740

USER NAME = kkenny	DESIGNED - WKK	REVISED -	
	CHECKED - JHG	REVISED -	
PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SOIL BORING LOGS (9 OF 10)
SHEET 34 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	871
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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1145 Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG SB05-01

WEI Job No.: 555-11-01

Client: **Illinois Department of Transportation**
Project: **I-55 Reconstuction**
Location: **Will County, IL**

Datum: NGVD
Elevation: 588.01 ft
North: 1759300.34 ft
East: 1021365.90 ft
Station: 248+24.67
Offset: 2.39 RT

Elevation (ft)	Depth (ft)	SOIL AND ROCK DESCRIPTION	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
588.01							
587.5	0	6-Inch thick, brown SILTY CLAY LOAM --TOPSOIL--					
		Very stiff, brown SILTY CLAY --FILL--		1	3 3 5	2.13 B	21
585.0	3	Medium dense, brown, coarse SAND		2	6 11 9	NP	7
	5			3	5 7 8	NP	7
	10			4	5 7 9	NP	6
				5	8 11 10	NP	6
	15			6	5 9 12	NP	14
571.8				7	3 5 7	1.31 B	14
	20	Stiff to very stiff, gray CLAY to SILTY CLAY		8	8 12 16	3.94 B	18
565.0	25	Very dense, gray SILTY CLAY to SILTY LOAM		9	9 16 14	2.21 B	14
564.0		--AUGER REFUSAL		10	50/2"	NP	11
		Boring terminated at 24.00 ft					
	30						
	35						
	40						

GENERAL NOTES

Begin Drilling: **03-26-2006** Complete Drilling: **03-26-2006**
Drilling Contractor: **Precon Drilling** Drill Rig: **CME-75 ATV**
Driller: **J&S** Logger: **K. Jacob** Checked by: **CTF**
Drilling Method: **3.25 IDA HSA, Boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **14.00 ft**
At Completion of Drilling:
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Wang Engineering, INC.
Consulting Geotechnical and Environmental Engineers
wangeng3@wangeng.com
1145 Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG SB05-02

WEI Job No.: 555-11-01

Client: **Illinois Department of Transportation**
Project: **I-55 Reconstuction**
Location: **Will County, IL**

Datum: NGVD
Elevation: 591.57 ft
North: 1759302.88 ft
East: 1021459.97 ft
Station: 248+24.30
Offset: 96.49 RT

Elevation (ft)	Depth (ft)	SOIL AND ROCK DESCRIPTION	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
591.57							
591.4	0	2-inch thick, ASPHALT --PAVEMENT--					
		Hard, brown and gray SILTY CLAY --FILL--		1	4 7 6	> 4.50 P	21
588.6	3	Stiff, brown SILTY CLAY LOAM		2	2 3 3	1.64 B	24
586.1	5	Loose to medium dense, brown, coarse SAND		3	2 4 5	NP	8
	10			4	7 7 7	NP	6
580.1		Loose, brown SILTY LOAM		5	4 3 2	NP	21
578.6	15	Medium dense, brown GRAVELLY SAND		6	4 11 11	NP	11
574.8		Very stiff to hard, gray SILTY CLAY		7	7 5 8	2.46 B	15
	20			8	5 4 12	8.20 B	18
571.1	20	571.1 Very dense, gray, gravelly SILTY LOAM		9	8 21 33	NP	14
566.6	25	--AUGER REFUSAL--		10	50/4"	NP	9
		Boring terminated at 25.00 ft					
	30						
	35						
	40						

GENERAL NOTES

Begin Drilling: **03-22-2006** Complete Drilling: **03-22-2006**
Drilling Contractor: **Precon Drilling** Drill Rig: **CME-75 ATV**
Driller: **J & L** Logger: **S. Suglarto** Checked by: **CTF**
Drilling Method: **3.25 IDA HSA, Boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **11.50 ft**
At Completion of Drilling: **NA**
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 5551101.GPJ WANGENG.GDT 4/14/06

MODEL: Default
FILE NAME: p:\benesch-pw.bentley.com\benesch-pw-01\Documents\10700s\10740.02\Eng_Docs_Phase_II\Structures\SignStructures\Final\D162H15-5525-boring_logs010.dgn

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10740

USER NAME = kkenny	DESIGNED - WKK	REVISED -	
	CHECKED - JHG	REVISED -	
PLOT SCALE =	DRAWN - AJB	REVISED -	
DATE = 02/04/2022	CHECKED - JHG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SOIL BORING LOGS (10 OF 10)
SHEET 35 OF 35 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	872
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL SUMMARY OF SCHEDULE OF QUANTITES

ITEM DESCRIPTION	UNITS	TOTAL QTY.	IL RTE 59 SEIL RD	IL RTE 59 & I-55 SB RAMPS	IL RTE 59 & I-55 NB RAMPS	INTERCONNECT
SIGN PANEL - TYPE 1	SQ FT	112	40	36	36	-
SIGN PANEL - TYPE 2	SQ FT	96	-	48	48	-
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	4,995	791	1,332	1,341	1,531
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	757	122	297	338	-
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	5,077	657	2,275	2,145	-
HANDHOLE	EACH	24	4	9	10	1
HEAVY-DUTY HANDHOLE	EACH	2	1	-	1	-
DOUBLE HANDHOLE	EACH	10	2	3	5	-
MAINTENANCE OF EXISTING TRAFFIC INSTALLATION	EACH	1	-	-	-	1
PAINT NEW TRAFFIC SIGNAL POST	EACH	5	#5	-	-	-
PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	1	#1	-	-	-
PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	2	#2	-	-	-
TRANSCEIVER - FIBER OPTIC	EACH	3	-	-	-	3
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	6,740	-	-	-	6,740
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	6,150	810	4,720	620	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	11,110	1,300	8,630	1,180	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	32,220	3,440	23,070	5,710	-
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	560	560	-	-	-
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	12,480	2,460	4,760	5,260	-
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 2 2 C	FOOT	1,490	-	770	720	-
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	200	200	-	-	-
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	10,100	1,170	4,310	4,620	-
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	16	3	5	8	-
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	6	1	2	3	-
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1	-	-	1	-
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	4	-	2	2	-
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1	-	1	-	-
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1	-	-	1	-
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	2	1	-	1	-
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1	1	-	-	-
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	2	1	1	-	-
CONCRETE FOUNDATION, TYPE A	FOOT	100	20	32	48	-
CONCRETE FOUNDATION, TYPE C	FOOT	12	4	4	4	-
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10	-	-	10	-
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	131	39	48	44	-
DRILL EXISTING HANDHOLE	EACH	1	-	-	-	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	27	8	9	10	-
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	29	6	10	13	-
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	1	-	-	-
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2	2	-	-	-
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10	2	4	4	-
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	29	10	9	10	-
INDUCTIVE LOOP DETECTOR	EACH	31	7	12	12	-
PREFORMED DETECTOR LOOP	FOOT	1,309	319	490	500	-
LIGHT DETECTOR	EACH	9	#3	*3	*3	-
LIGHT DETECTOR AMPLIFIER	EACH	3	#1	*1	*1	-
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1	-	-	-
RELOCATE EXISTING ILLUMINATED SIGN	EACH	3	#3	-	-	-
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7,520	-	-	-	7,520
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	-	-	-
REMOVE EXISTING HANDHOLE	EACH	7	7	-	-	-
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1	1	-	-	-
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7	7	-	-	-
COMMUNICATIONS CABINET AND EQUIPMENT	EACH	1	-	1	-	-
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	5,355	#755	*3,900	*700	-
ROD AND CLEAN EXISTING CONDUIT	FOOT	3,395	-	-	-	3,395
FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1	1	-	-	-
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	3	1	1	1	-
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1	1	-	-	-
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1	1	-	-	-
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	680	#680	-	-	-
CONDUIT SPLICE	EACH	8	-	4	4	-
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	3	1	1	1	-
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	6,740	-	-		6,740
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	11	3	4	4	-
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4	4	-	-	-
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1	-	-	-	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1	-	-	-
DIVERGING DIAMOND INTERCHANGE, FULL-ACTUATED CONTROLLER AND TYP SUPER R CABINET (SPECIAL)	EACH	1	-	-	1	-

* 100% COST TO THE CITY OF JOLIET

100% COST TO THE VILLAGE OF SHOREWOOD

TRAFFIC SIGNAL GENERAL NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FILED, INCLUDING EXACT LOCATIONS OF UTILITES, PRIOR TO ORDERING MATERIALS AND BEGINNING CONSRUCTION. THIS SHALL INCLUDE LOCATING MAST ARM FOUNDATIONS AND VERIFYING THE MAST LENGHTS.

2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FILED VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES, AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811.

3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS AND CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES, AND IDOT.

EAGLE 3D

TS SHT NO. 1

MODEL: Default
FILE NAME: awt\benesch-pw.bentley.com:benesch-pw-01\Documents\107006\107400\Eng_Docs_Phase_II\Signal_ESingh\Sheets\D162H15-sht-ts-soq-001.dgn

D162H15-sht-ts-soq-001.dgn
55509
2022/01/27

SINGH - ASSOCIATES INC. CONSULTING ENGINEERS

USER NAME = echoi	DESIGNED - ECHOI	REVISED -
	DRAWN - ECHOI	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - MGARVIDA	REVISED -
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -

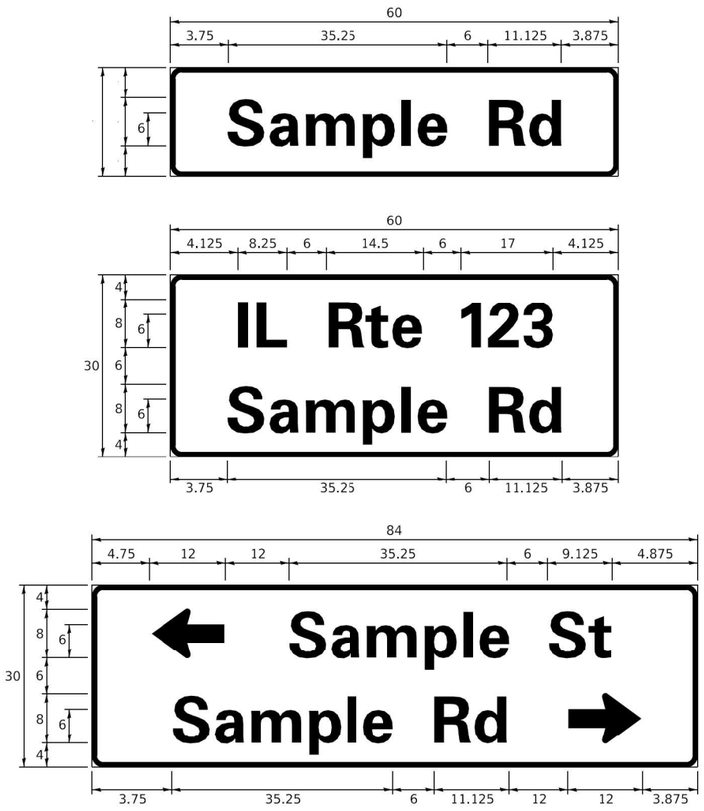
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL
SUMMARY OF SCHEDULE OF QUANTITIES

SCALE: NTS | SHEET OF SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	873
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

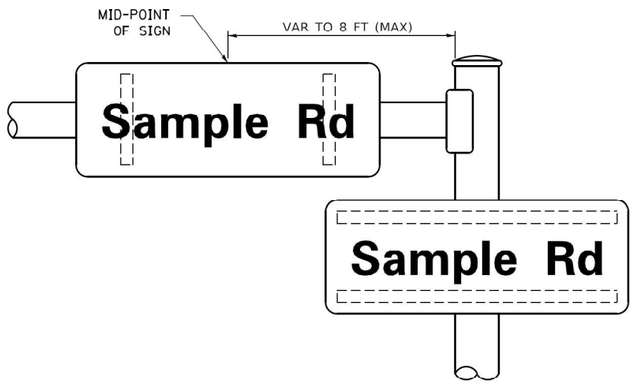
PARTS LISTING:

SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

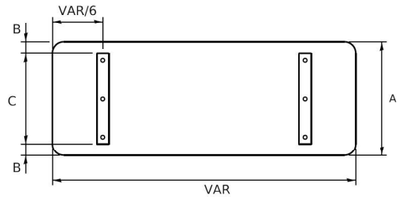
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

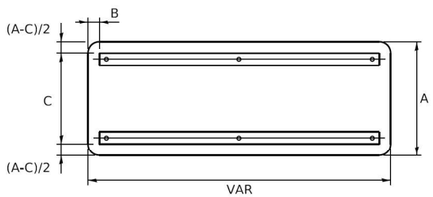
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.432	0.480	B	0.960	5.446	0.400
C	0.720	4.432	0.720	C	0.800	5.446	0.800
D	0.880	4.432	0.720	D	0.960	5.446	0.800
E	0.880	4.032	0.480	E	0.960	4.962	0.400
F	0.880	4.032	0.240	F	0.960	4.962	0.240
G	0.720	4.432	0.720	G	0.800	5.446	0.800
H	0.880	4.432	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.032	0.880	J	0.240	5.122	0.960
K	0.880	4.432	0.480	K	0.960	5.604	0.400
L	0.880	4.032	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.432	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.432	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.432	0.480	R	0.960	5.446	0.400
S	0.480	4.432	0.480	S	0.400	5.446	0.400
T	0.240	4.032	0.240	T	0.240	4.962	0.240
U	0.880	4.432	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.432	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.032	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.032	0.720	d	0.480	4.802	0.800
e	0.480	4.032	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.032	0.720	g	0.480	4.802	0.800
h	0.720	4.032	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.032	0.640	n	0.800	4.722	0.720
o	0.480	4.032	0.480	o	0.480	4.882	0.480
p	0.720	4.032	0.480	p	0.800	4.802	0.480
q	0.480	4.032	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.352	0.240	s	0.320	3.762	0.240
t	0.080	2.832	0.080	t	0.080	3.202	0.080
u	0.640	4.032	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.952	0.160	y	0.160	6.004	0.160
z	0.240	3.352	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.432	0.480	2	0.800	5.446	0.800
3	0.480	4.432	0.480	3	1.440	5.446	0.800
4	0.240	4.952	0.720	4	0.160	6.004	0.960
5	0.480	4.432	0.480	5	0.800	5.446	0.800
6	0.720	4.432	0.720	6	0.800	5.446	0.800
7	0.240	4.432	0.720	7	0.560	5.446	0.560
8	0.480	4.432	0.480	8	0.800	5.446	0.800
9	0.480	4.432	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

TS SHT NO. 2

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USER NAME = footemj	DESIGNED - LP/IP	REVISED - LP 07/01/2015	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS	
	DRAWN - LP	REVISED -			
PLOT SCALE = 50.0000 ' / in.	CHECKED - IP	REVISED -			
PLOT DATE = 3/4/2019	DATE - 10/01/2014	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	874
	TS-02	CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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2022/01/27

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	ECC	CC
MASTER CONTROLLER	EMC	MC
MASTER MASTER CONTROLLER	EMMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H H	H H
DOUBLE HANDHOLE		
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G Y G R Y G Y G P	R Y G Y G R Y G Y G P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G Y G R Y G Y G P R Y G Y G RB	R Y G Y G R Y G Y G P R Y G Y G RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

TS SHT NO. 3

USER NAME = footemj	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	875
TS-05		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\\...

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2022/01/27

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

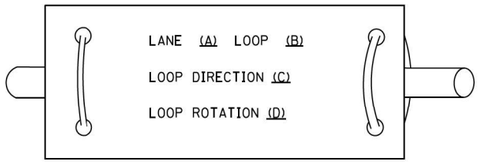
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

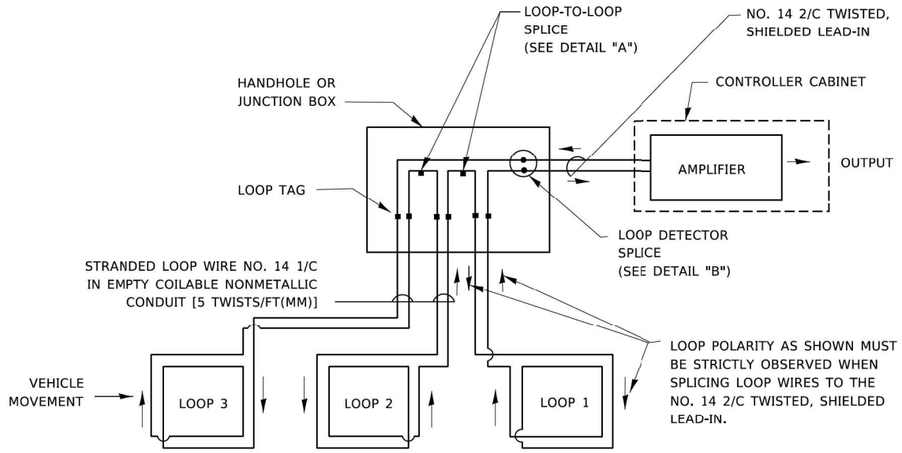


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

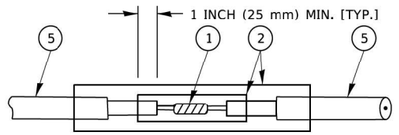
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

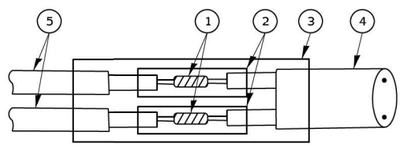


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

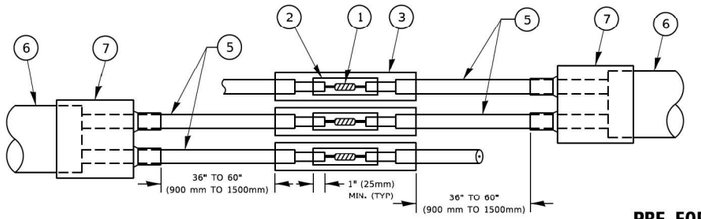


DETAIL "A"
LOOP-TO-LOOP SPLICE



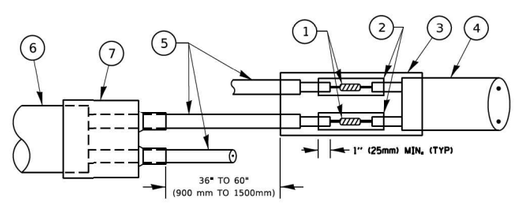
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO. 4

MODEL: Default
FILE NAME: pw:\\bentleysch-pw.bentley.com:bentleysch-pw-010Documents\10700s\10740.00\Eng Docs\Phase III\Signals\Elmgh\Sheets\D162H15-sht-ts-det-003.dgn

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	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	876
	TS-05	CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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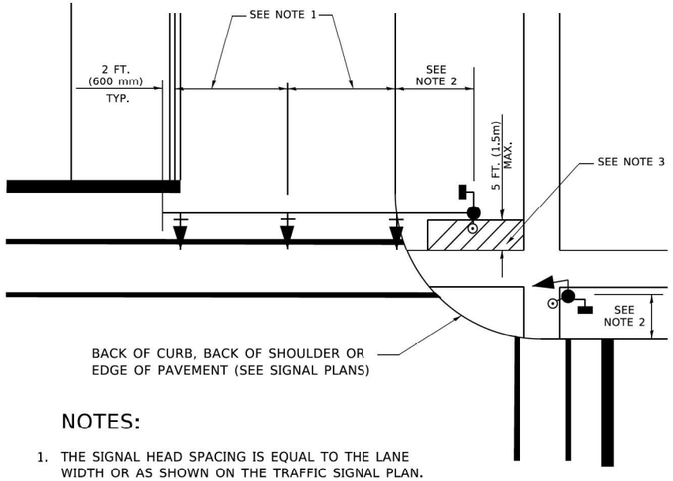
2022/01/27

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

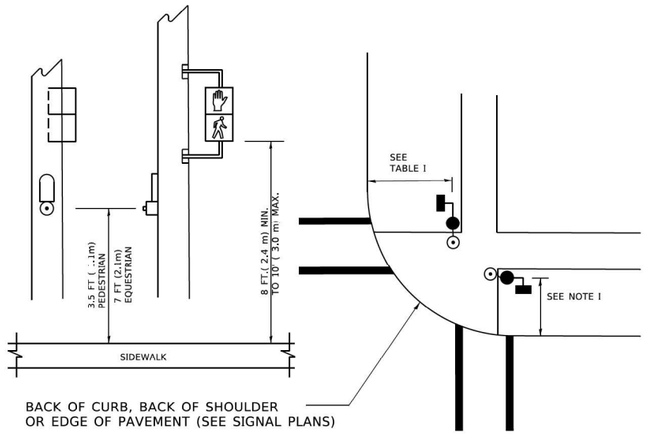
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

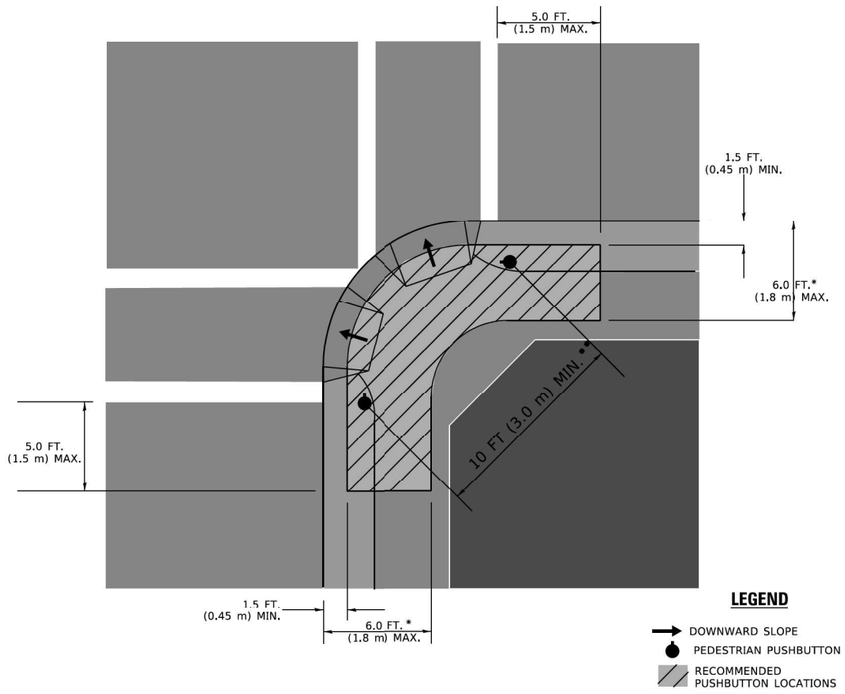
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE 'TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

TS SHT NO. 5

USER NAME = footemj	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.I./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	877
	TS-05	CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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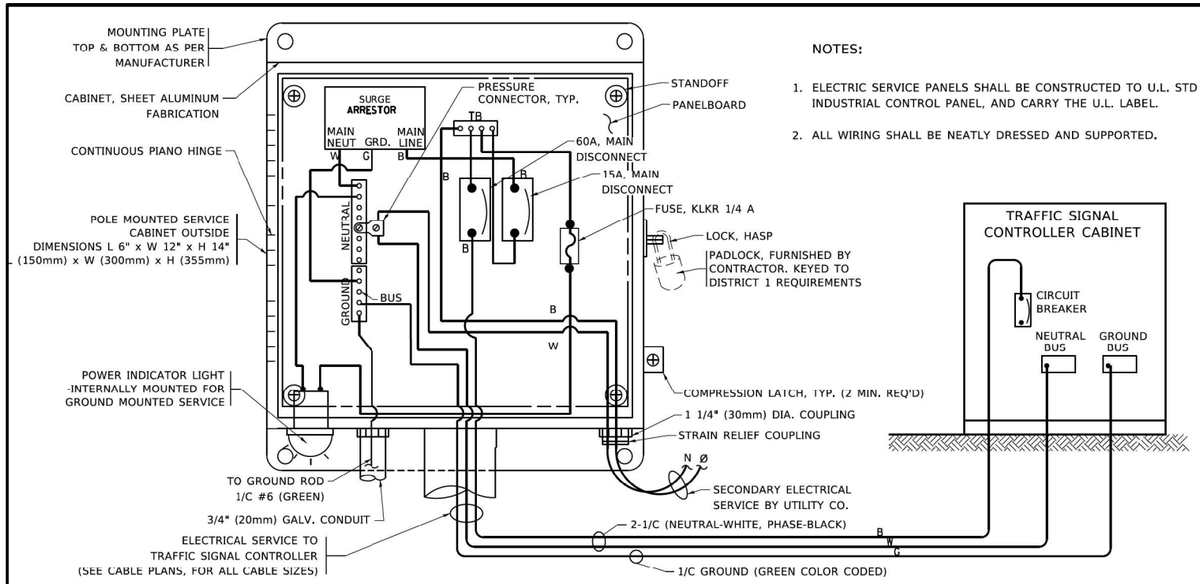
2022/01/27



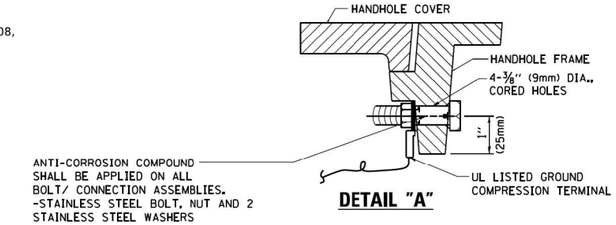
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

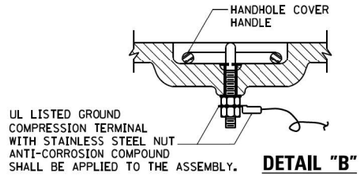
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



DETAIL "A"

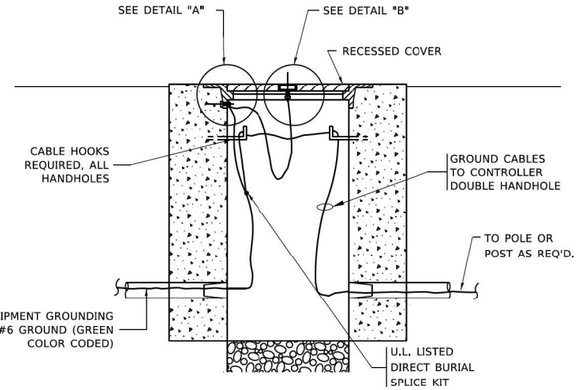


DETAIL "B"

NOTES:

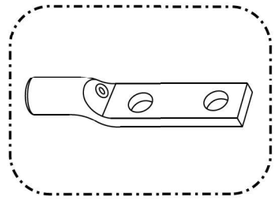
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

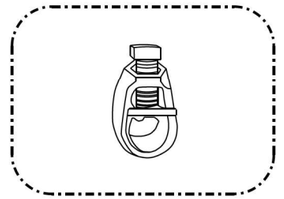


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



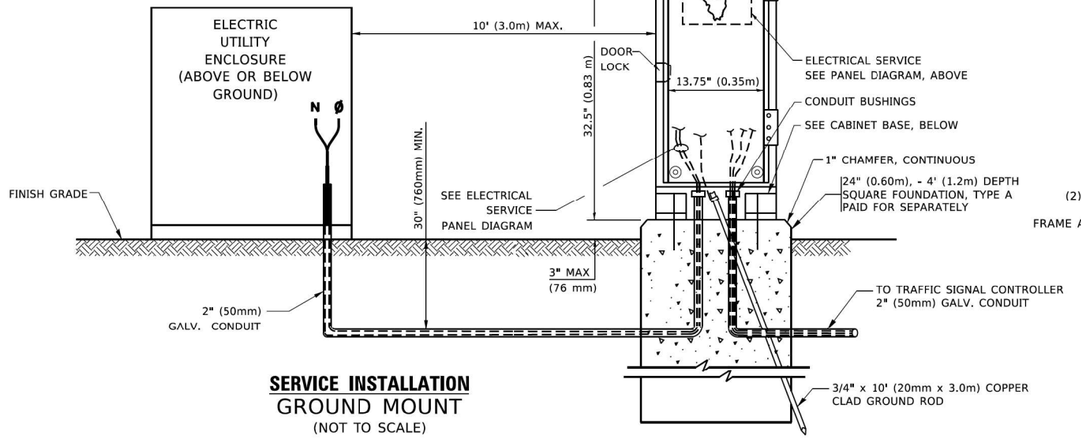
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

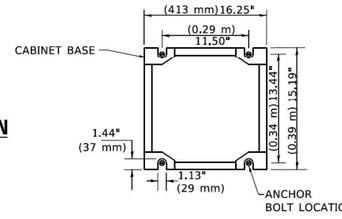
NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



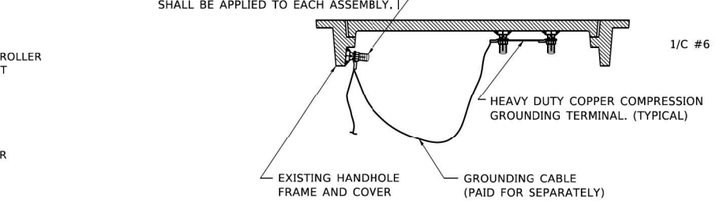
SERVICE INSTALLATION GROUND MOUNT

(NOT TO SCALE)



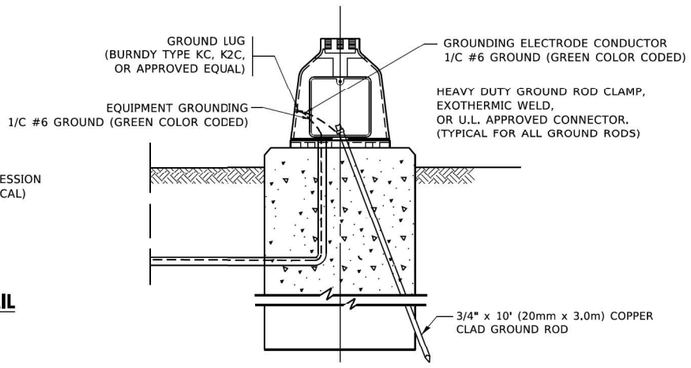
CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

TS SHT NO. 6

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TS-05	CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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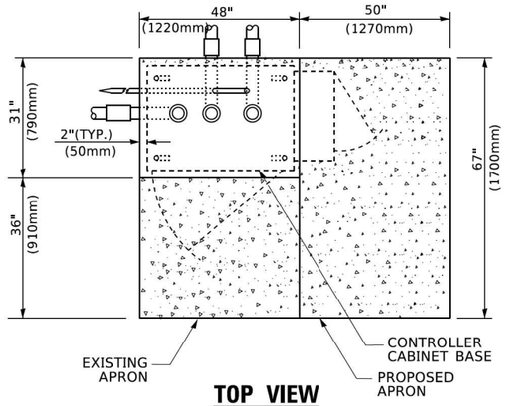
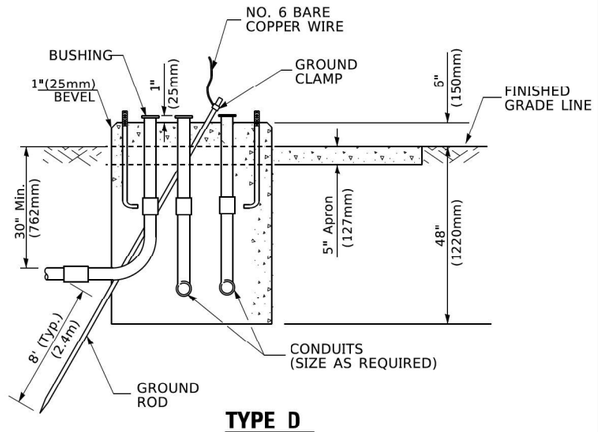
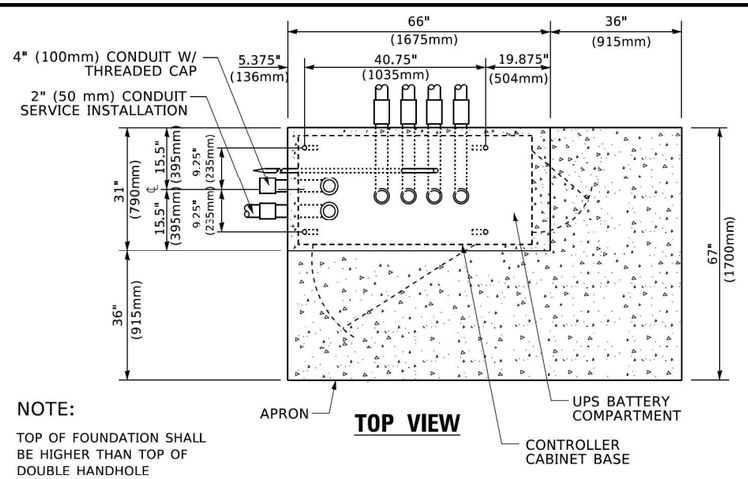
2022/01/27



TOP VIEW



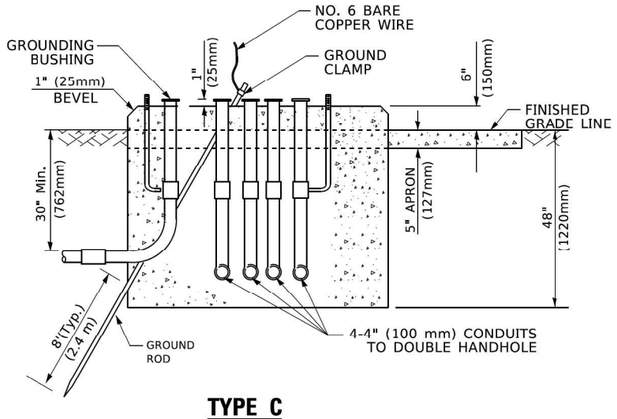
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



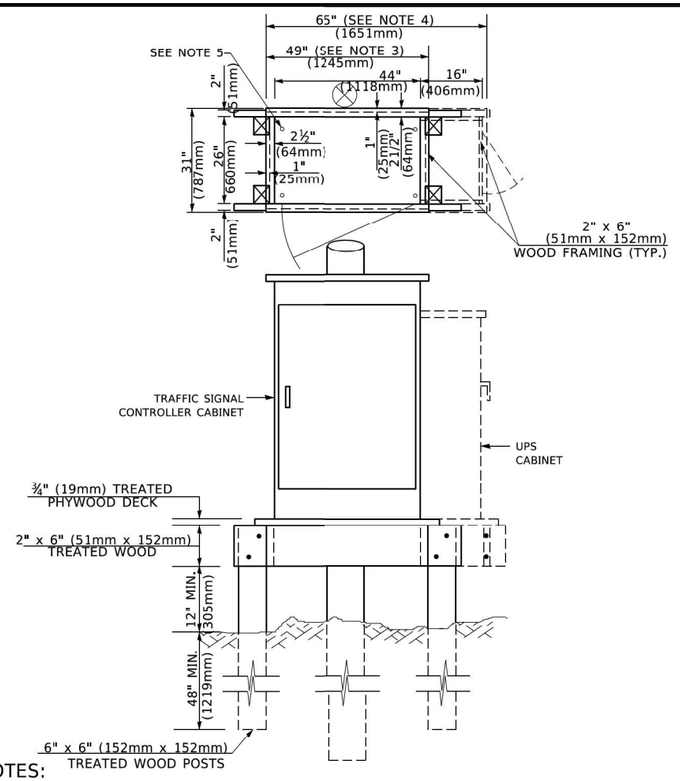
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.I./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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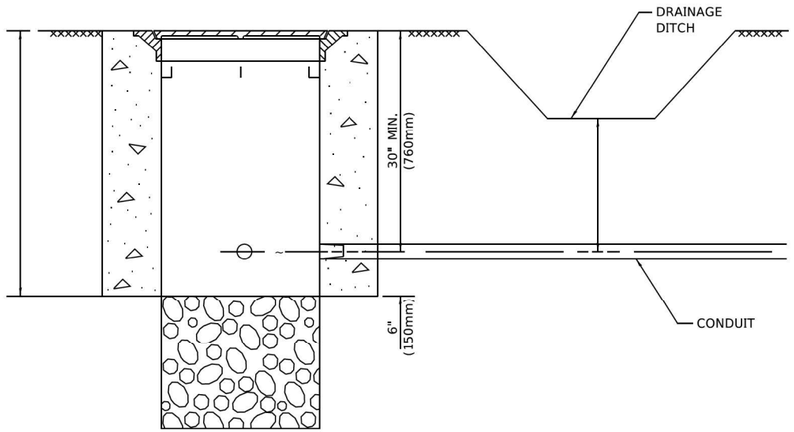
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

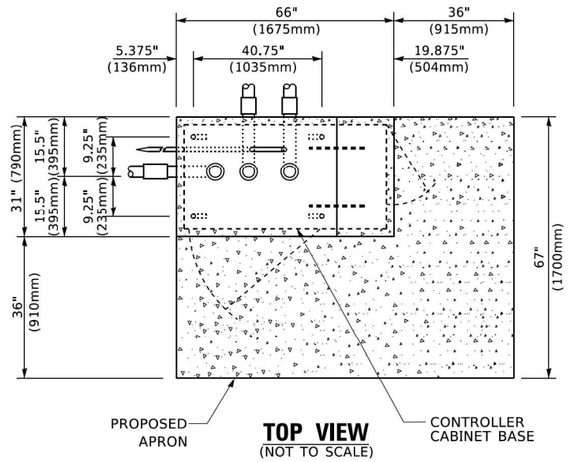


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

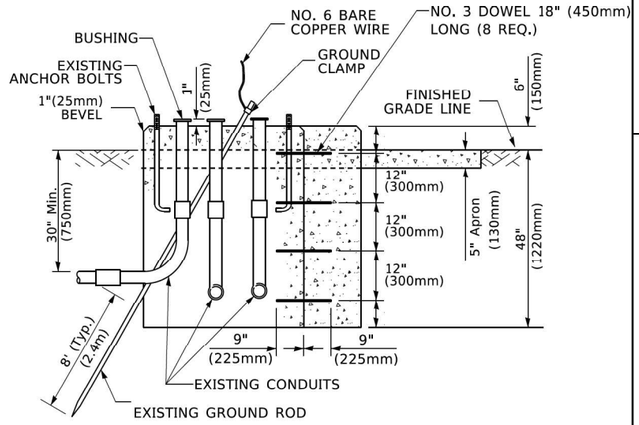
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



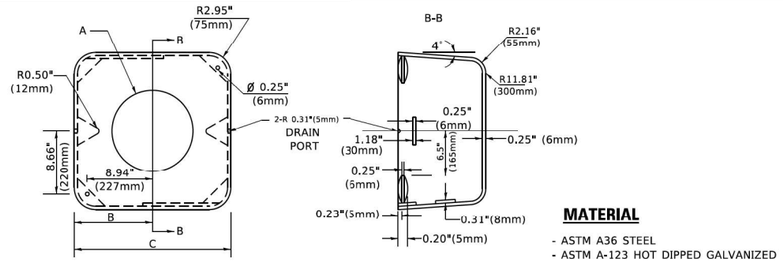
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

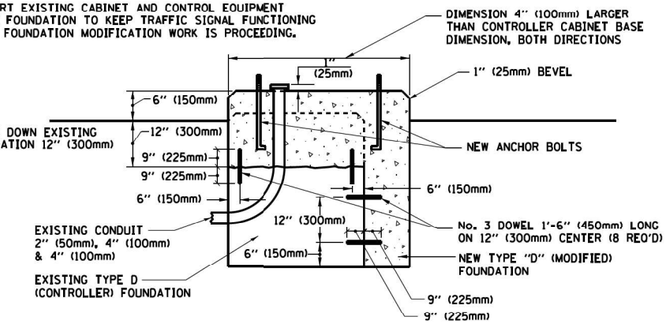
SHROUD

NOTES:

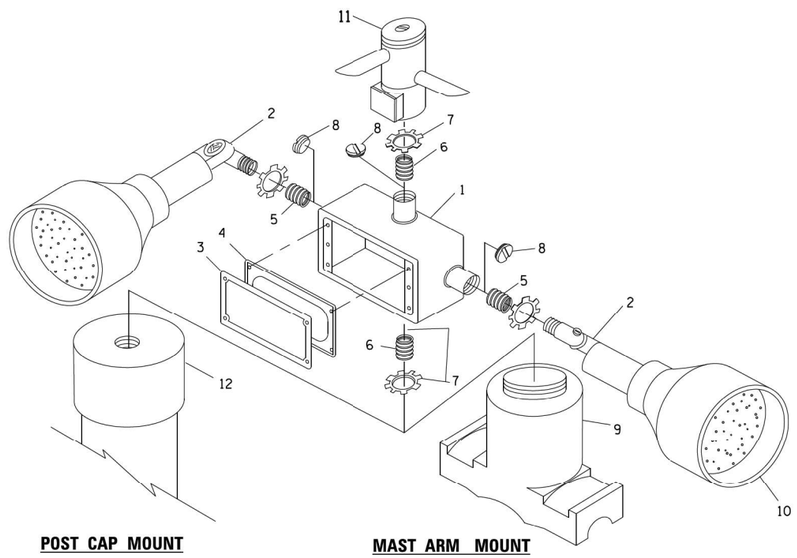
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



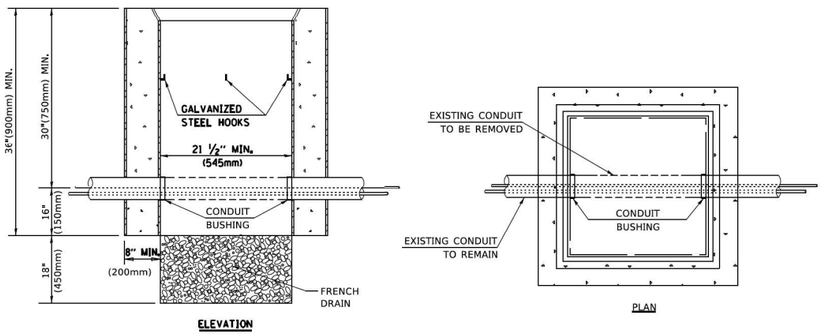
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 8

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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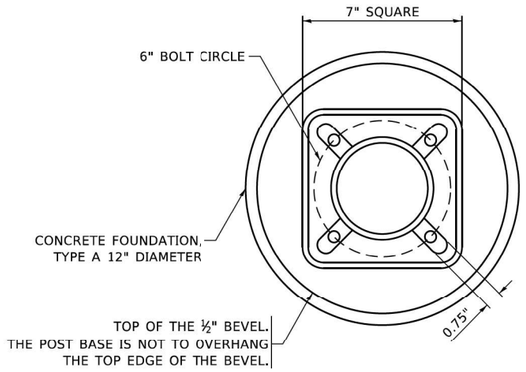
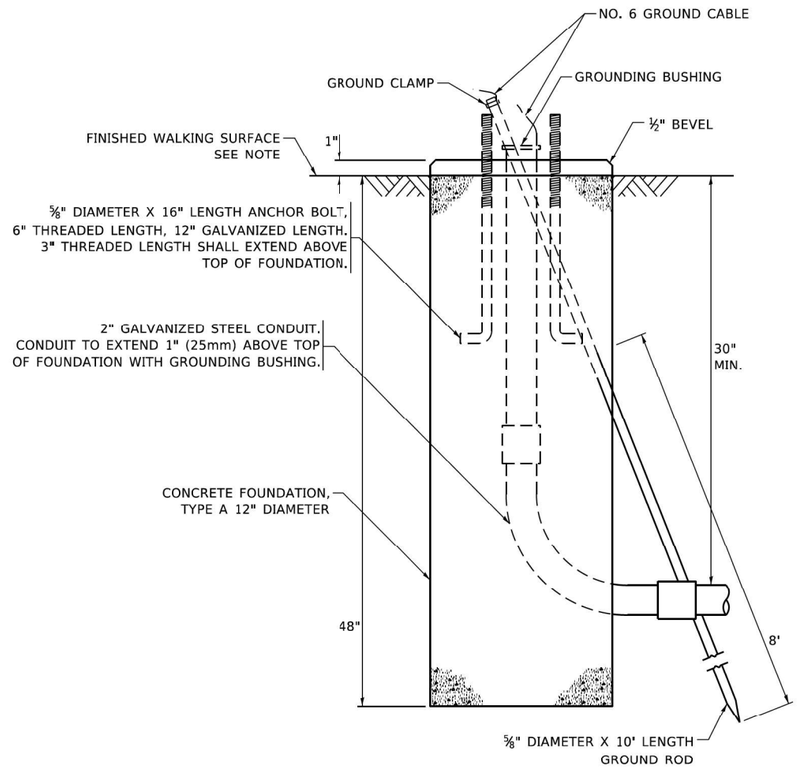
	TS-05	CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



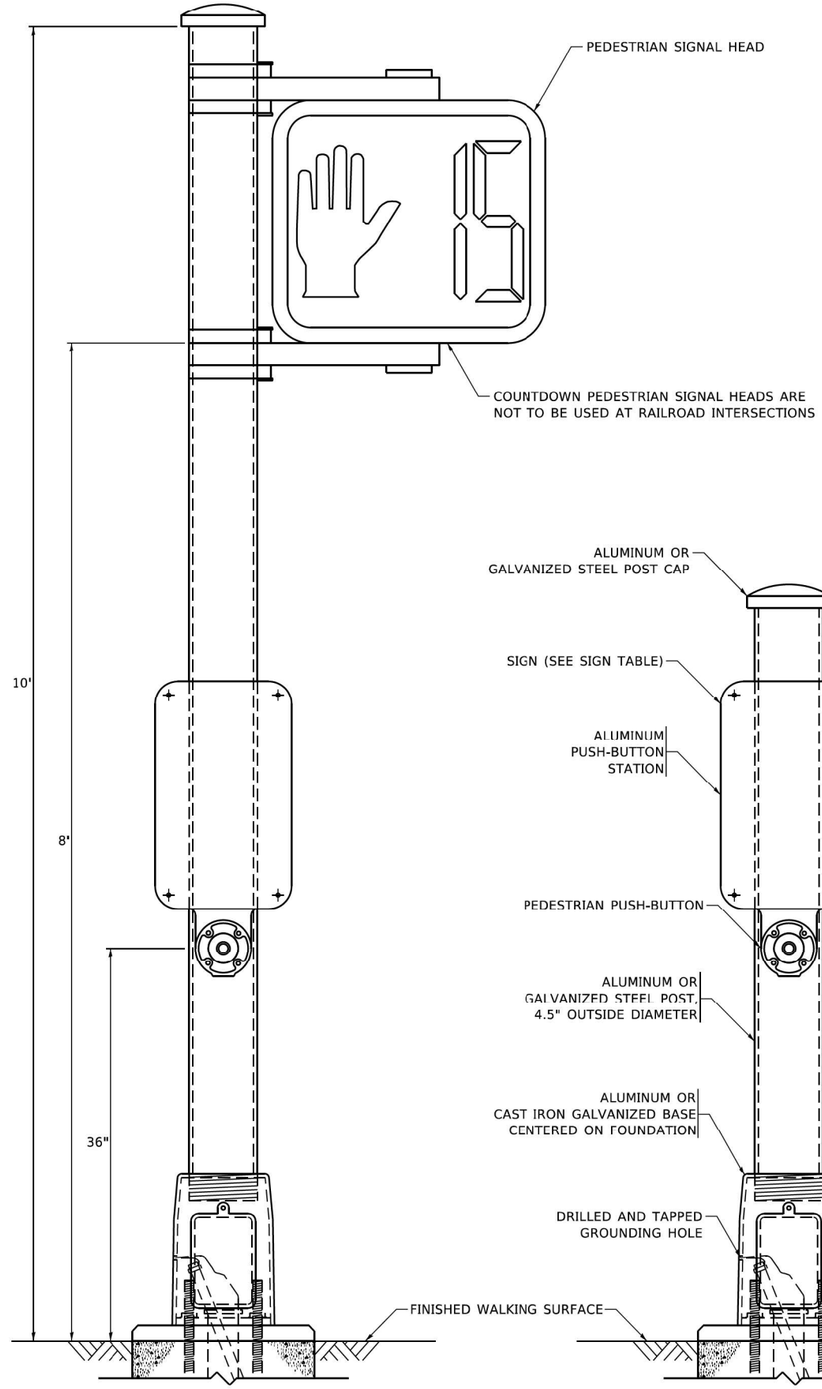
BOLT PATTERN

NOTE:

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.

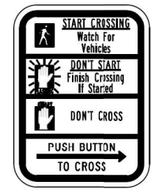


CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



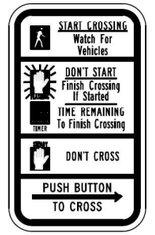
PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.



R10–3b

R10–3d



R10–3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

TS SHT NO. 9

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.I./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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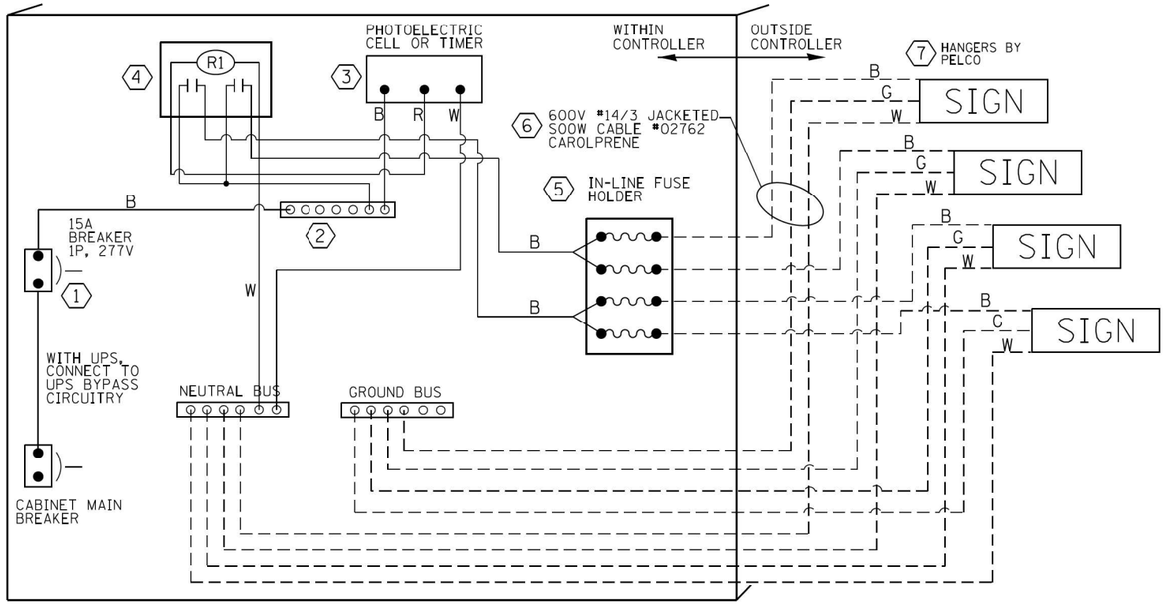
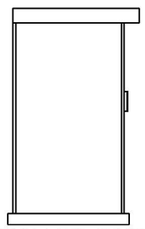
	TS–05	CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



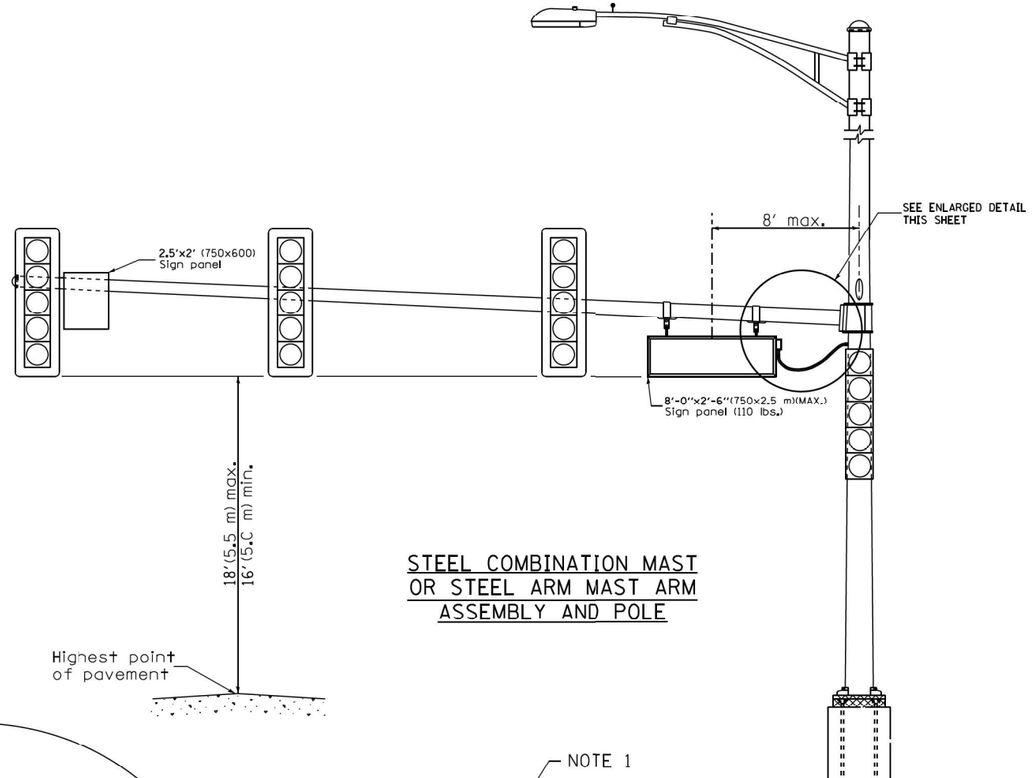
LED SIGN WIRING DETAIL

DESCRIPTION	MANUFACTURER	MODEL	NOTES
1 CIRCUIT BREAKER		15 AMPERE	Molded case, Thermal Mag. min. R.I. of 14K R.M.S. symmetrical ampere at 277V.
2 TERMINAL BLOCK	MARATHON	1502 DJSV	
3 PHOTO ELECTRIC OR TIMER CONTROL (varies by location)			INCLUDED IN THE COST OF LED SIGNS
WEBER & NORMANTOWN	FISHER PIERCE	B124-1.5-07762	PHOTO ELECTRIC
WEBER & WINDHAM/REMINGTON	TORK	DZS200BP	TIMER CONTROL
WEBER & RODEO/REMINGTON	TORK	DZS200BP	TIMER CONTROL
4 CONTROL RELAY	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
5 INLINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMAN	S-8000 BK/S-8-3-4-R	
6 ELECTRIC CABLE, NO. 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE/SOOW	02762	
7 SIGN MOUNTING HARDWARE	PELCO	SE-5015	S.S. HARDWARE

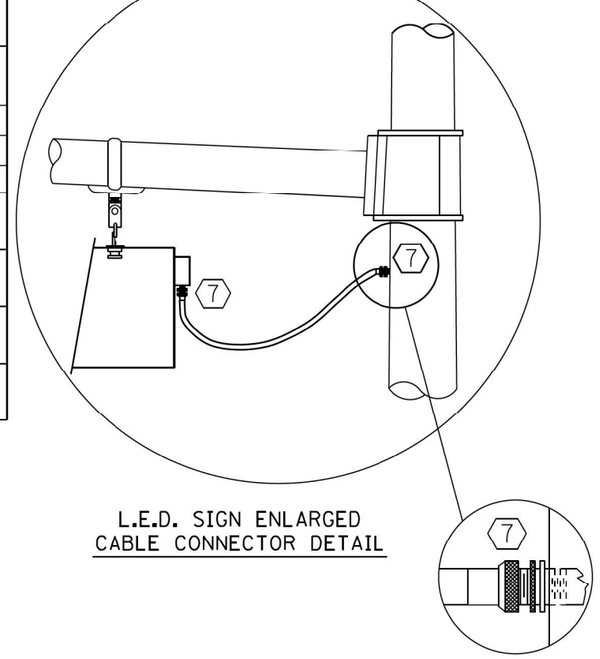
BILL OF MATERIALS



CONTROLLER CABINET
SIDE VIEW



STEEL COMBINATION MAST
OR STEEL ARM MAST ARM
ASSEMBLY AND POLE



L.E.D. SIGN ENLARGED
CABLE CONNECTOR DETAIL

L.E.D. SIGN ENLARGED
CABLE CONNECTOR DETAIL

LED ILLUMINATED SIGN PANEL
8'0 x 2'6" (750 mm x 2.5 mm)(MAX)
C or D FONT

NOTES:

1. SIGNS SHALL BE DUAL SIDED. FRONT AND BACK OF SIGN WILL BE THE SAME.
2. CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER. VILLAGE JURISDICTION IS INDICATED ON SIGN PANEL DETAIL SHEET.
3. SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
4. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
   R = RED BL = BLUE W = WHITE
   B = BLACK Y = YELLOW G = GREEN
5. ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
6. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

TS SHT NO. 10

MODEL: Default
FILE NAME: pw:\beneesch-pw.bentley.com:beneesch-pw-01\Documents\107005\107400.00\Eng Docs Phase III\Signals [Singh]\Sheets\D162H15-sht-ts-det-009.dgn

USER NAME = echoi	DESIGNED - ECHOI	REVISED -	
	DRAWN - ECHOI	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - MGARVIDA	REVISED -	
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -	

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

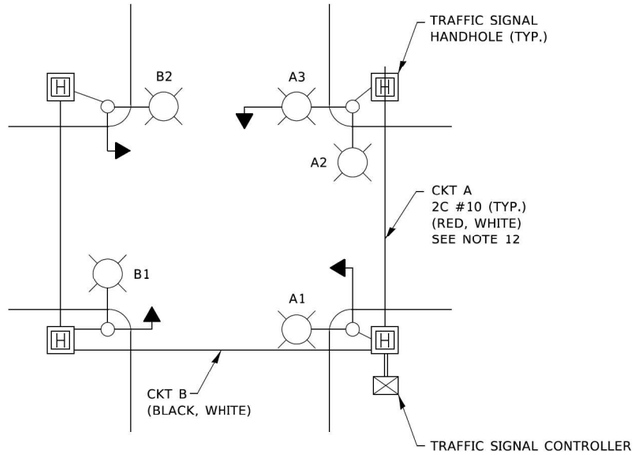
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LED ILLUMINATED STREET NAME
INSTALLATION AND WIRING DIAGRAM

SCALE: NTS | SHEET OF SHEETS | STA. | TO STA.

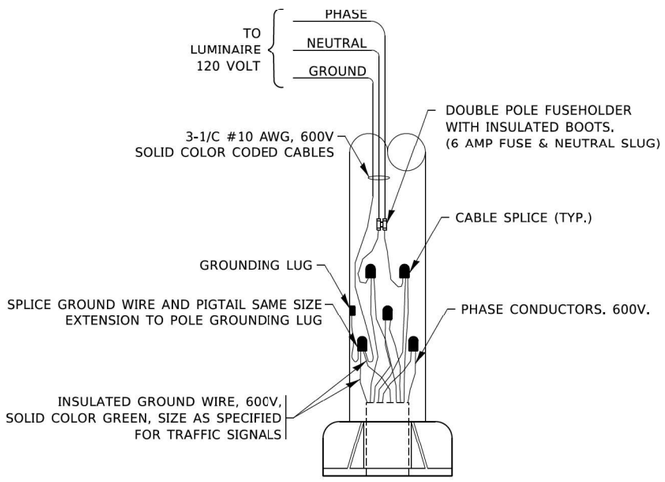
F.A.I./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	882
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

D162H15-sht-ts-det-009.dgn
55509
2022/01/27



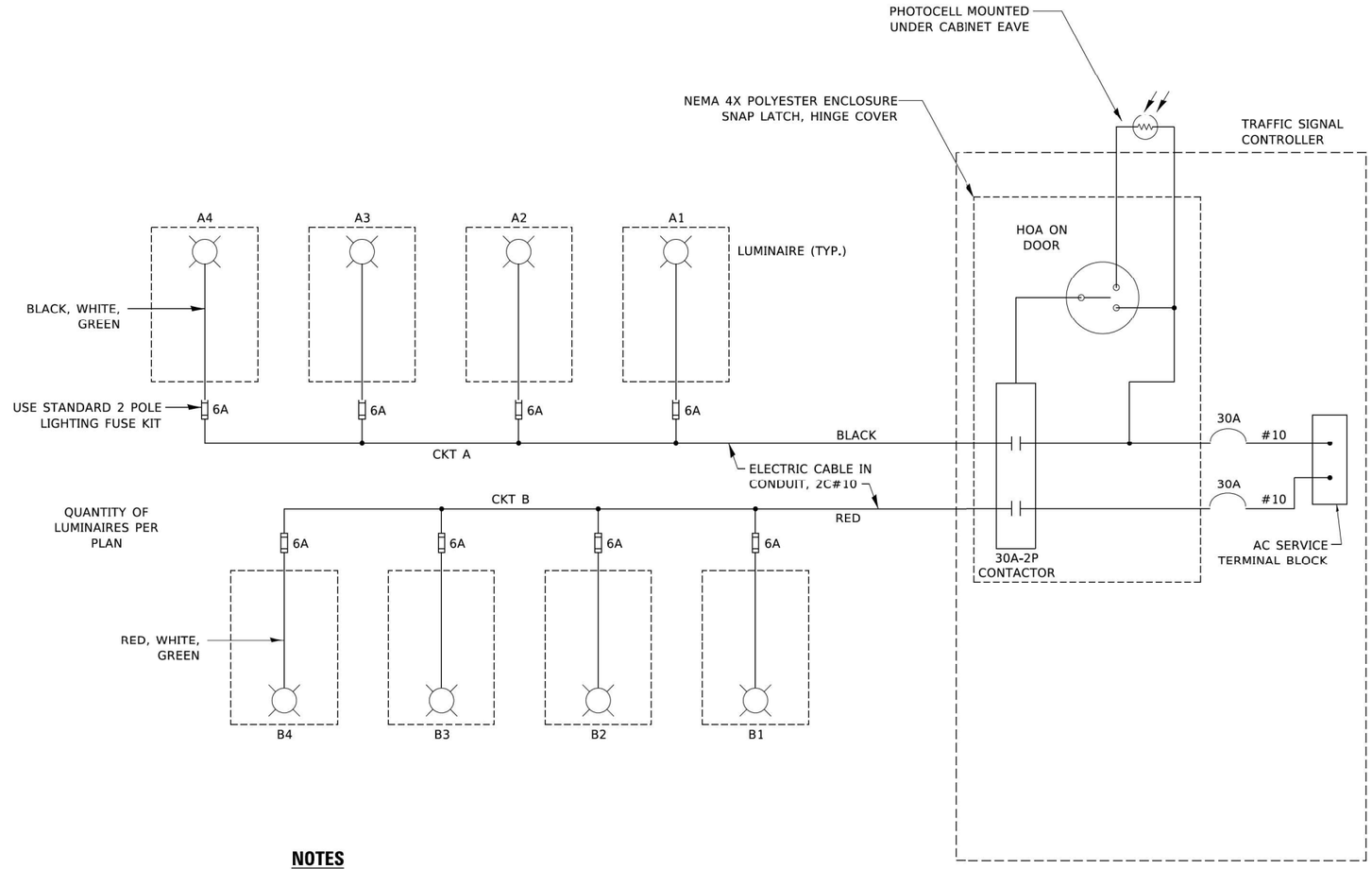
TYPICAL LIGHTING CIRCUIT

(NOT TO SCALE)



COMBINATION POLE WIRING DETAIL

(NOT TO SCALE)



NOTES

1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
2. TWO #10 (XLP-TYPE USE) CABLES TO BE USED FOR LIGHTING CIRCUITS.
3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
5. FOR LIGHTING CIRCUITS, CONNECT TWO CIRCUIT BREAKERS TO AC SERVICE TERMINAL BLOCK.
6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
7. THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
8. LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
9. COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
10. LUMINAIRE VOLTAGE SHALL BE 120V
11. POLE WIRING & FUSE KITS ARE INCLUDED IN THE LUMINAIRE PAY ITEM.
12. THE UNDERGROUND EQUIPMENT GROUND WIRE IS SHOWN IN THE TRAFFIC SIGNAL PLANS AND IS INCLUDED IN THE SIGNAL PLANS. IT IS SHARED GROUND BETWEEN SIGNALS AND LIGHTING.

TS SHT NO. 11

MODE: Default
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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = leysa	DESIGNED - RT	REVISED -	10/13/2015
	DRAWN -	REVISED -	T.G. 4/12/2017
PLOT SCALE = 50.0000 ' / in.	CHECKED - RT	REVISED -	R. TOMSONS 3/22/18
PLOT DATE = 8/6/2021	DATE - 08/18/2014	REVISED -	T.G. 8/03/2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

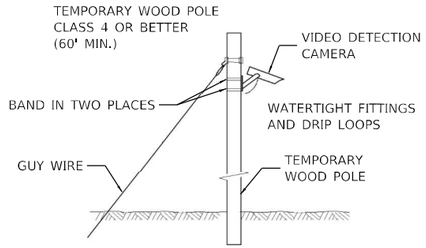
COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC

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

F.A.I./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2018-075-R	WILL	1510	883
	BE-240	CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

0162H15-sht-ts-det-010.dgn
55509
2022/01/27

tse240.dgn 8/6/2021 8:52:40 AM15mediaeva



TEMPORARY VIDEO DETECTION MOUNTING DETAIL

(NOT TO SCALE)

SIGN Ⓐ

LEFT ON GREEN ARROW ONLY

R10-5
30" x 36"
(1 REQUIRED)

SIGNS INCLUDED IN THE UNIT COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION

EXISTING POWER POLE
STA. 4015+51.1, 72.4' RT

EX ROW

SEIL RD

4016

4017

4018

WOOD POLE, CLASS 4, 55 FT
APPROX STA. 4016+38.8, 55.3' RT

WOOD POLE, CLASS 4, 55 FT
APPROX STA. 7475+12.5, 77.4' LT

WOOD POLE, CLASS 4, 55 FT
APPROX STA. 7476+68.5, 85.6' LT

WOOD POLE, CLASS 4, 55 FT
APPROX STA. 7475+20.2, 70.0' RT

WOOD POLE, CLASS 4, 55 FT
APPROX STA. 7476+64.9, 70.3' RT

WOOD POLE, CLASS 4, 55 FT
APPROX STA. 7478+97.5, 52.0' RT

LED STREET NAME SIGN
TO BE RELOCATED (TYP.)

PERM. ESMNT

TEMPORARY FIBER INTERCONNECT TO SCHOOL RD
(SEE TEMPORARY INTERCONNECT PLANS)

IL RTE 59

0 20 40 60
SCALE IN FEET

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: VILLAGE OF SHOREWOOD

2	EACH	LIGHT DETECTOR
2	EACH	CONFIRMATION BEACON
1	EACH	LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACTOR BID PRICE:

1	EACH	CONTROLLER AND CABINET (COMPLETE)
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE
2	EACH	COMBINATION MAST ARM ASSEMBLY AND POLE
3	EACH	TRAFFIC SIGNAL POST
9	EACH	3-SECTION SIGNAL HEAD
2	EACH	5-SECTION SIGNAL HEAD
7	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	SERVICE INSTALLATION
1	EACH	UNINTERRUPTIBLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS:

3	EACH	LED ILLUMINATED STREET NAME SIGN

PRE–STAGE

TS 7493
EAGLE 3D

TS SHT NO. 12

MODEL: Default
FILE NAME: pw:\\benesch-pw.bentley.com:benesch-pw-01\Documents\107005\10740.00\Eng Docs\Phase II\Signal\ [Singh]\Sheets\D162H15-sht-ts-Seil-001.dgn

D162H15-sht-ts-Seil-001.dgn
55509
2022/01/27

SINGH
SINGH + ASSOCIATES,INC
CONSULTING ENGINEERS

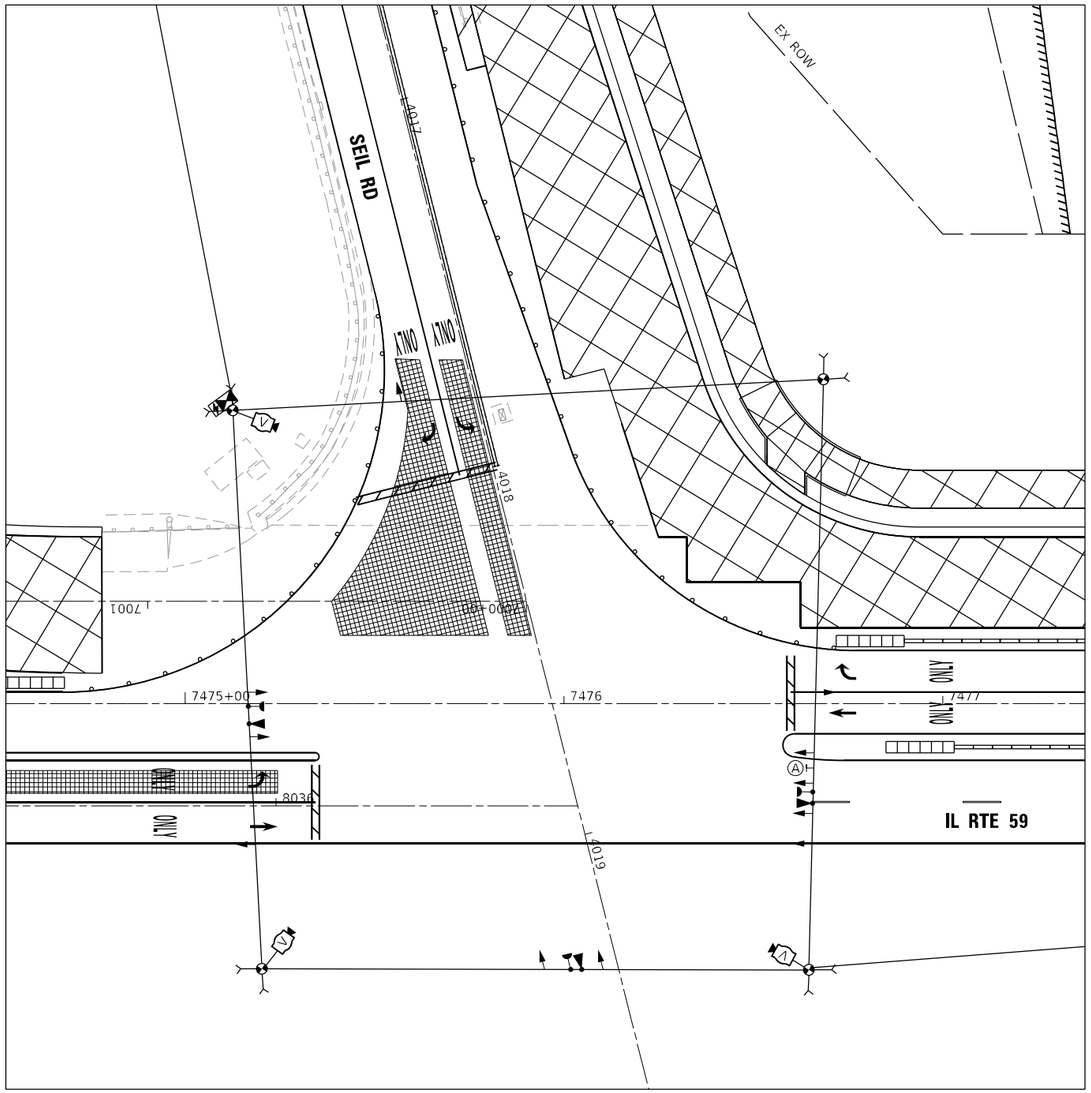
USER NAME = echoi	DESIGNED - ECHOI	REVISED -
	DRAWN - ECHOI	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MGARVIDA	REVISED -
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL RTE 59 AND SEIL RD (PRE–STAGE & REMOVAL)

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

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	884
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



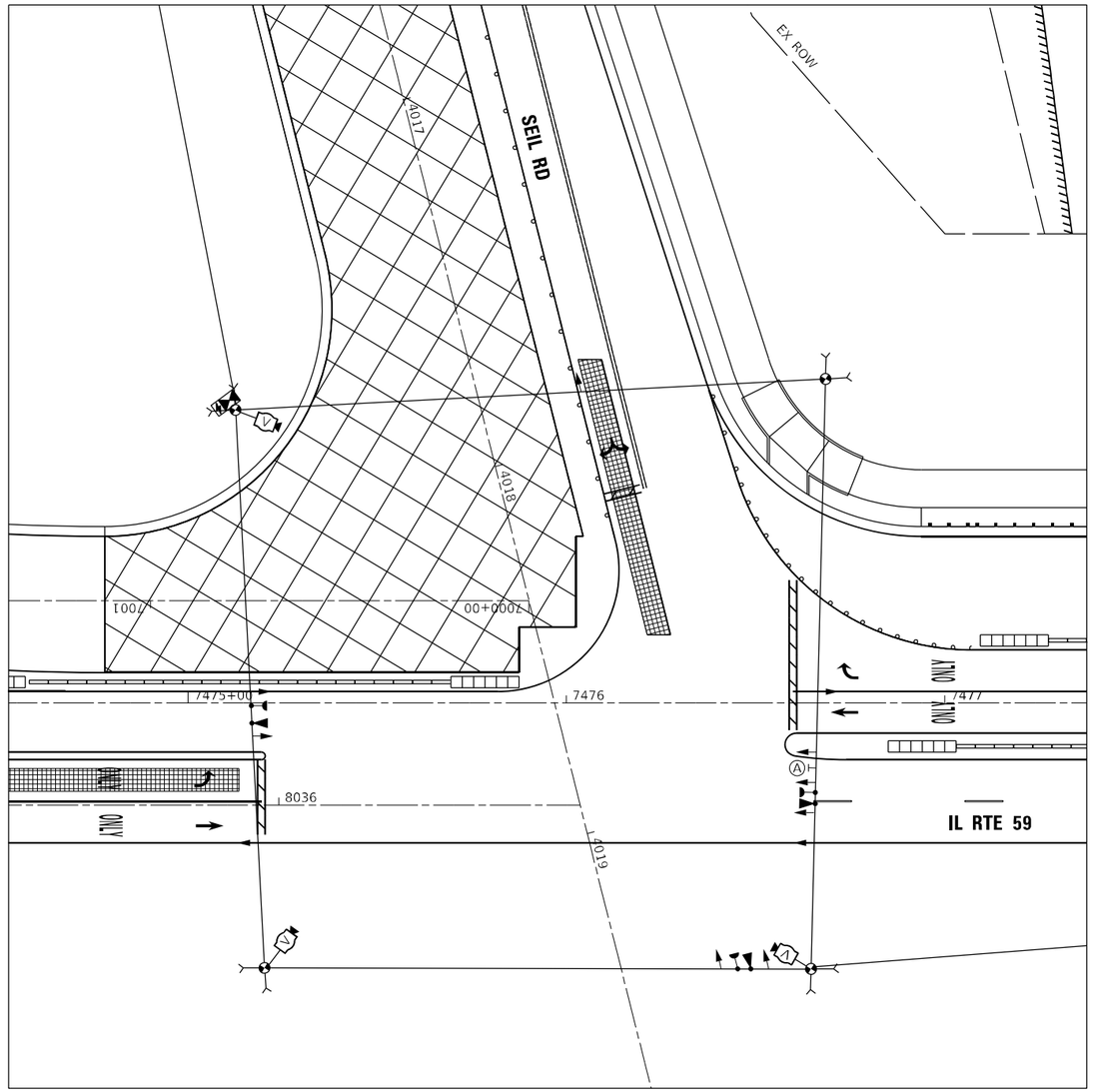
MOT STAGE 1

SIGN (A)

LEFT ON GREEN ARROW ONLY

R10-5
30" x 36"
(1 REQUIRED)

SIGNS INCLUDED IN THE UNIT COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION



MOT STAGE 1A

SIGN (A)

LEFT ON GREEN ARROW ONLY

R10-5
30" x 36"
(1 REQUIRED)

SIGNS INCLUDED IN THE UNIT COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION

N

0 20 40 60
SCALE IN FEET

TS 7493
EAGLE 3D

TS SHT NO. 13

MODEL: Default
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D162H15-sht-ts-Seil-002.dgn
55509
2022/01/27

SINGH
SINGH - ASSOCIATES, INC.
CONSULTING ENGINEERS

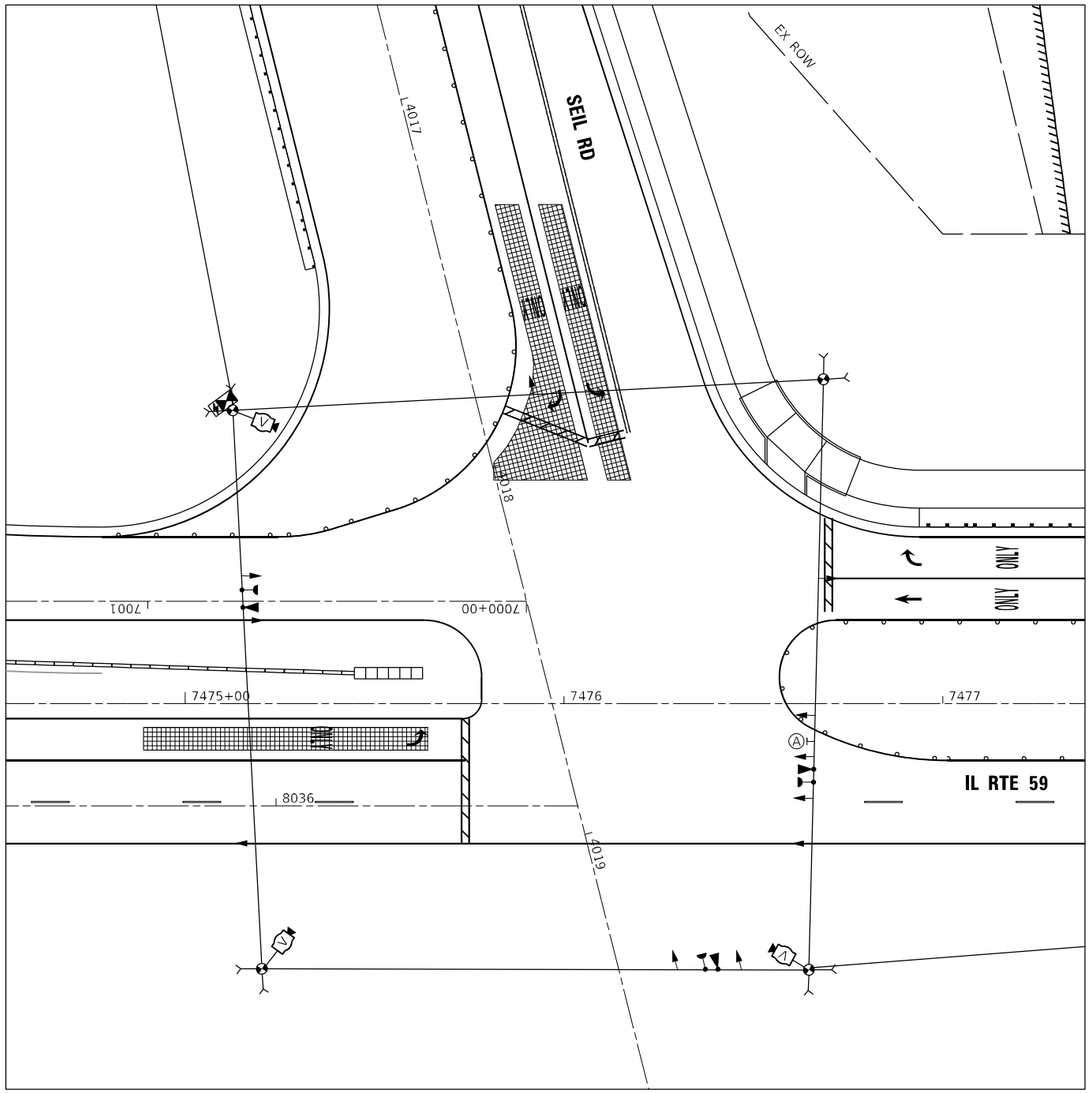
USER NAME = echoi	DESIGNED - ECHOI	REVISED -
	DRAWN - ECHOI	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MGARVIDA	REVISED -
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 59 AND SEIL RD (STAGE 1 & 1A)

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

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	885
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



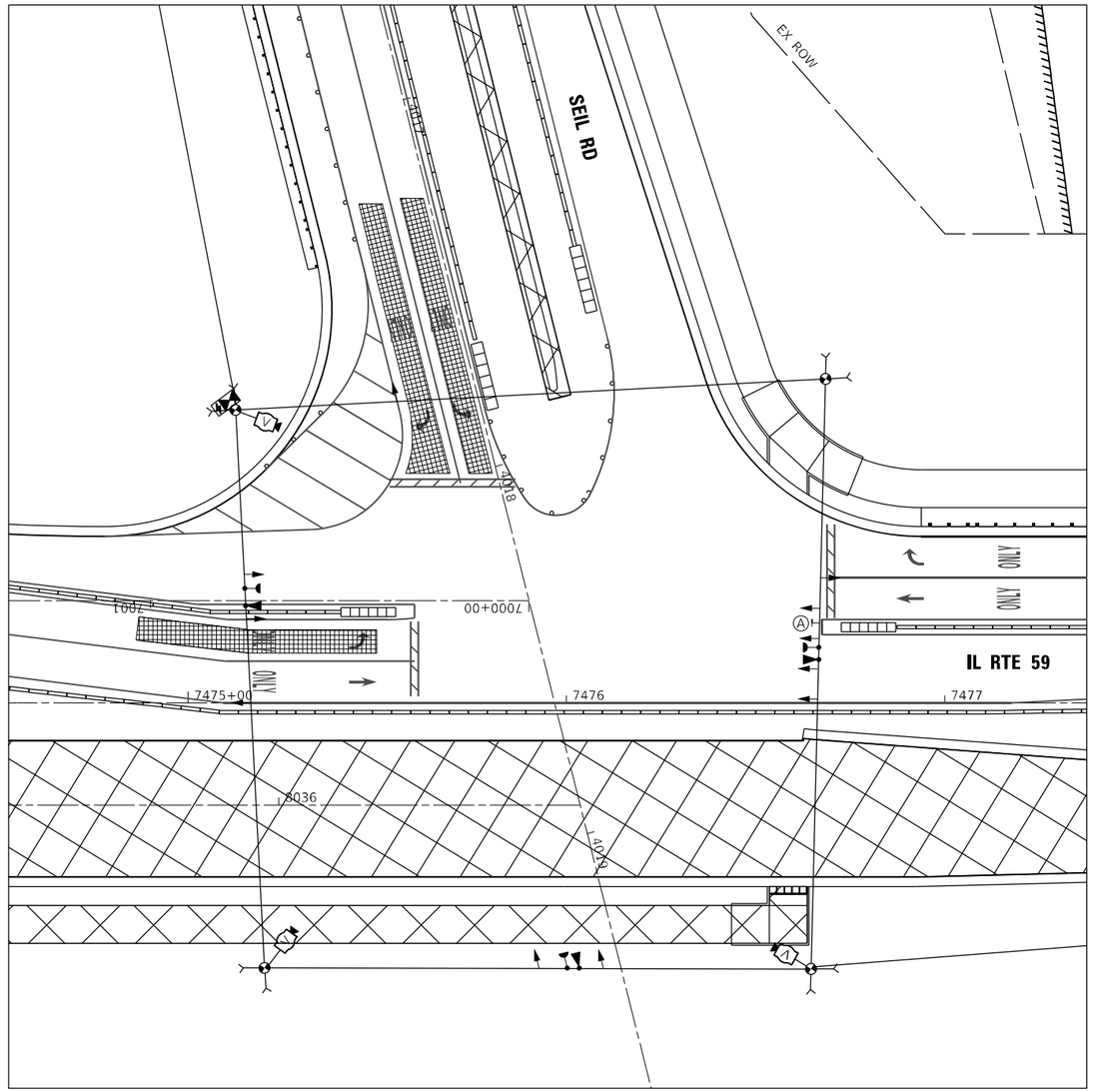
MOT STAGE 2

SIGN Ⓐ

LEFT ON GREEN ARROW ONLY

R10-5
30" x 36"
(1 REQUIRED)

SIGNS INCLUDED IN THE UNIT COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION



MOT STAGE 2A

SIGN Ⓐ

LEFT ON GREEN ARROW ONLY

R10-5
30" x 36"
(1 REQUIRED)

SIGNS INCLUDED IN THE UNIT COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION

N

0 20 40 60
SCALE IN FEET

TS 7493
EAGLE 3D

TS SHT NO. 14

MODEL: Default
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D162H15-sht-ts-Seil-003.dgn
55509
2022/01/27

SINGH
SINGH - ASSOCIATES INC.
CONSULTING ENGINEERS

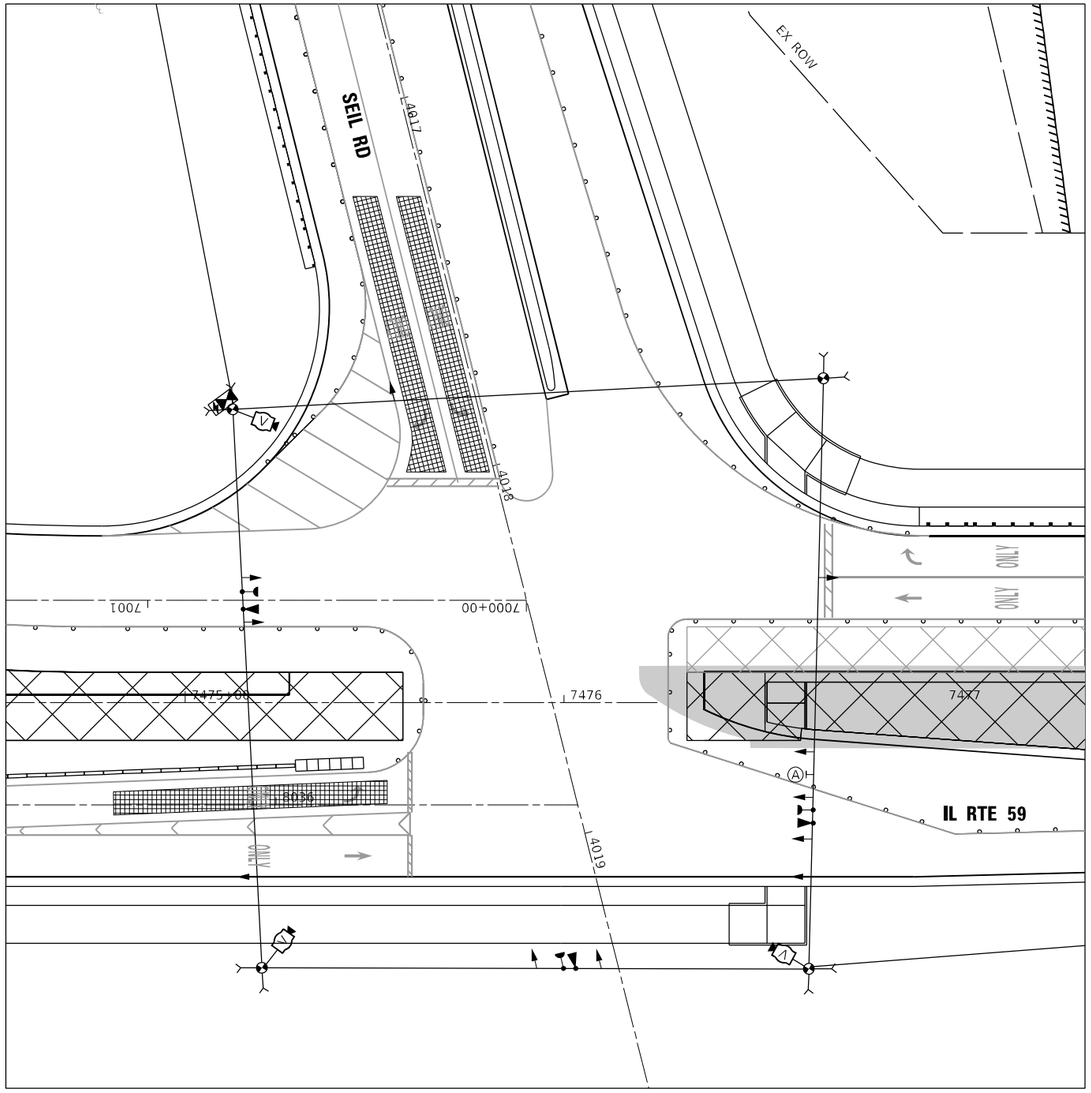
USER NAME = echoi	DESIGNED - ECHOI	REVISED -
	DRAWN - ECHOI	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MGARVIDA	REVISED -
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 59 AND SEIL RD (STAGE 2 & 2A)

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

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	886
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



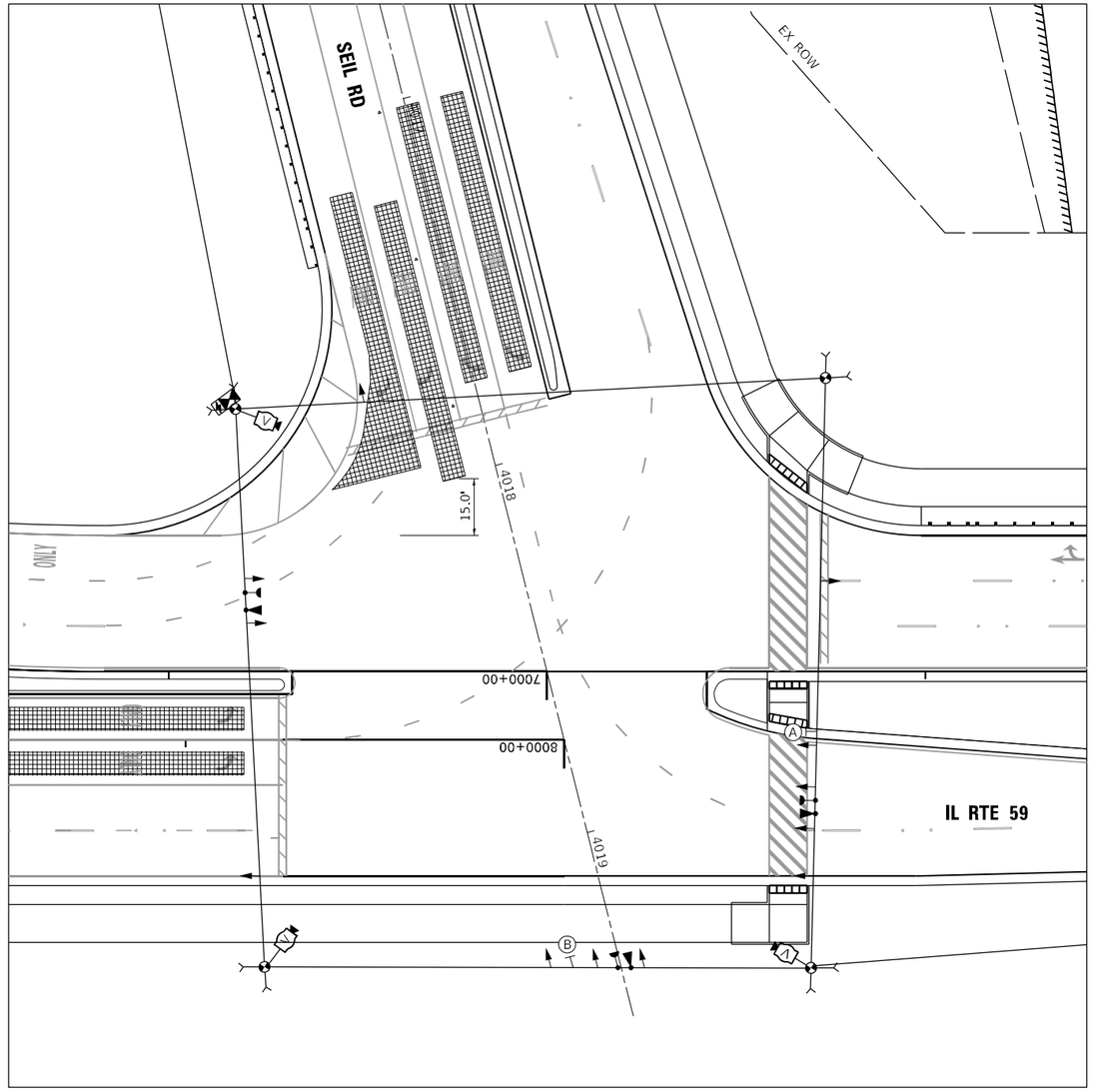
MOT STAGE 3

SIGN (A)

LEFT ON GREEN ARROW ONLY

R10-5
30" x 36"
(1 REQUIRED)

SIGNS INCLUDED IN THE UNIT COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION



POST–STAGE

SIGN (A)

LEFT ON GREEN ARROW ONLY

R10-5
30" x 36"
(1 REQUIRED)

SIGN (B)

NO TURN ON RED EXCEPT FROM RIGHT LANE

R10-11C
30" x 42"
(1 REQUIRED)

SIGNS INCLUDED IN THE UNIT COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION

N

0 20 40 60
SCALE IN FEET

TS 7493
EAGLE 3D

TS SHT NO. 15

MODEL: Default
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USER NAME = echoi	DESIGNED - ECHOI	REVISED -	
	DRAWN - ECHOI	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MGARVIDA	REVISED -	
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -	

SINGH - ASSOCIATES, INC. CONSULTING ENGINEERS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

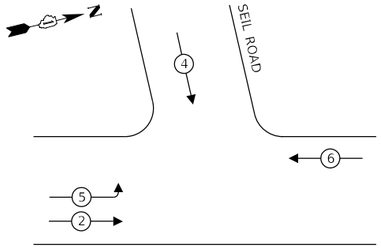
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 59 AND SEIL RD (STAGE 3 & POST–STAGE)

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

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	887
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS FED. AID PROJECT			

D162H15-sht-ts-Seil-004.dgn
55509
2022/01/27

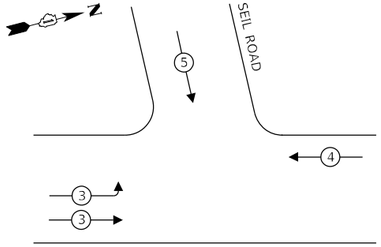
TEMPORARY CONTROLLER SEQUENCE
ALL STAGES



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
ALL STAGES



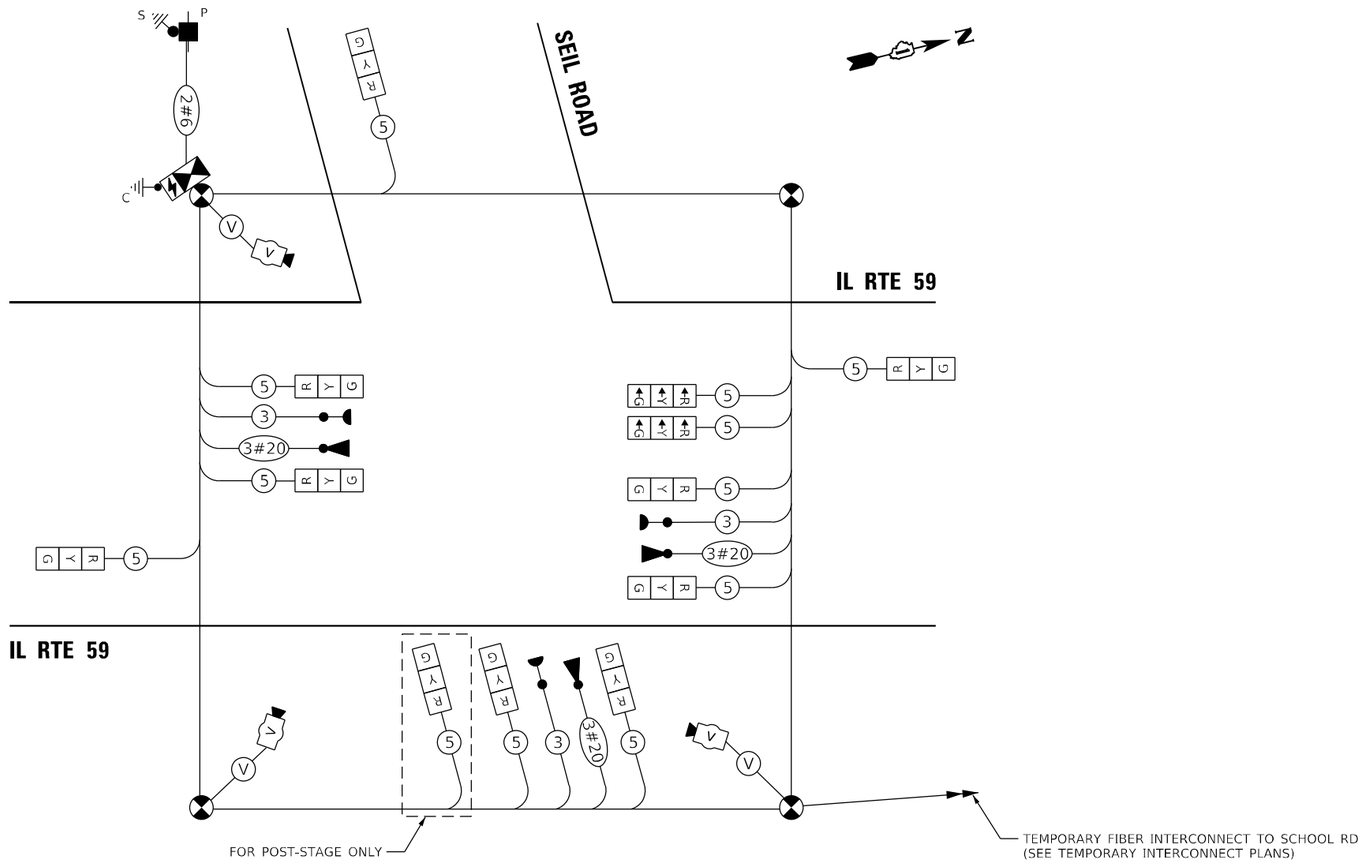
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	11	11	50	60.5
(YELLOW)	11	20	5	11.0
(GREEN)	11	12	45	59.4
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	165	50	-
			TOTAL =	409.9

ENERGY COSTS TO:

VILLAGE OF SHOREWOOD
141 W MAIN STREET
BRAIDWOOD, IL 60408

ENERGY SUPPLY: CONTACT: CHRISTY GOOSSENS
PHONE: 815-724-5982
COMPANY: COMMONWEALTH EDISON
TOWER ACCOUNT NUMBER:



TEMPORARY CABLE PLAN
PRE–STAGE, STAGE 1, 1A, 2, 2A, 3, AND POST–STAGE

(NOT TO SCALE)

TS SHT NO. 16

TS 7493
EAGLE 3D

MODEL: Default
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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = echoi	DESIGNED - ECHOI	REVISED -
	DRAWN - ECHOI	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - MGARVIDA	REVISED -
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 59 AND SEIL RD

SCALE: NTS | SHEET OF SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	888
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS FED. AID PROJECT			

062H15-sht-ts-Seil-005.dgn
55509
2022/01/27

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COLLABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.
2. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
3. ALL TRAFFIC SIGNAL POSTS AND MAST ARMS SHALL BE PAINTED POWDER COATED BLACK.
4. ALL PEDESTRIAN PUSH BUTTONS SHALL BE APS.

SIGN Ⓐ

R10-5
30" x 36"
(3 REQUIRED)

SIGN Ⓑ

R10-11C
30" x 42"
(2 REQUIRED)

TS SHT NO. 17

TS 7493
EAGLE 3D

SINGH + ASSOCIATES INC. CONSULTING ENGINEERS	USER NAME = echoi	DESIGNED - ECHOI	REVISED -
		DRAWN - ECHOI	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MGARVIDA	REVISED -
	PLOT DATE = 4/26/2022	DATE - 04/27/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
IL ROUTE 59 AND SEIL ROAD

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

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	889
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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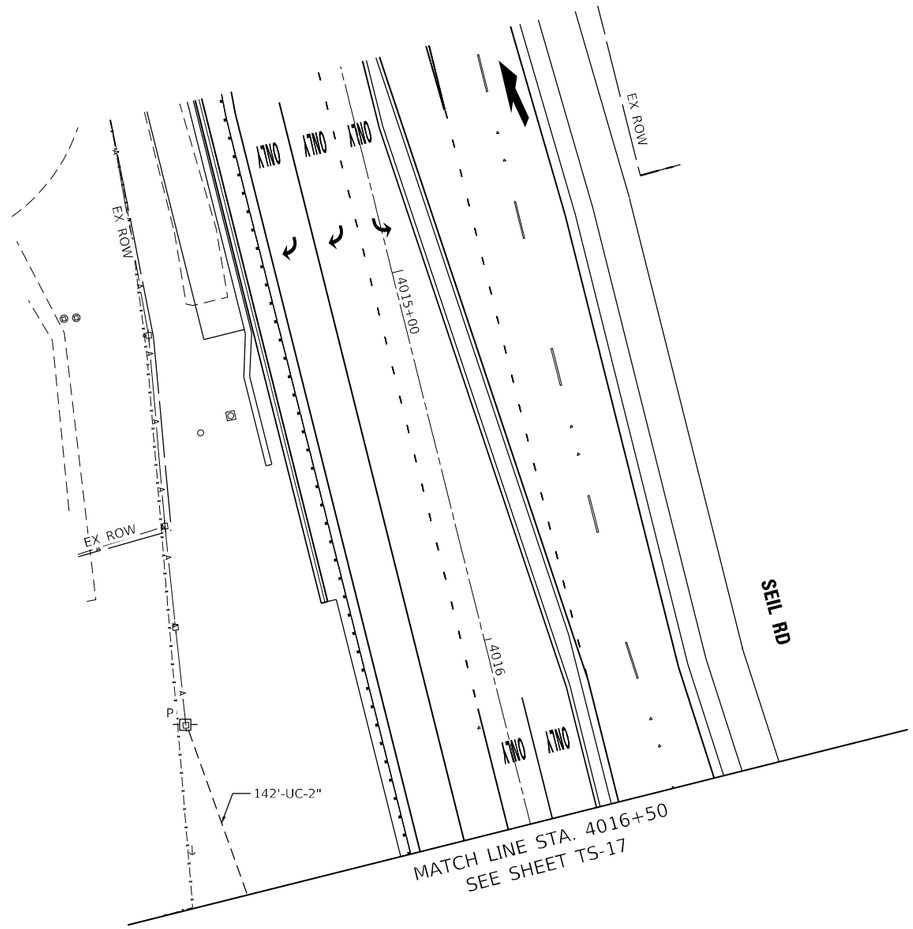
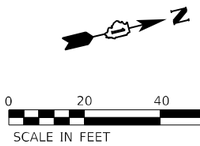
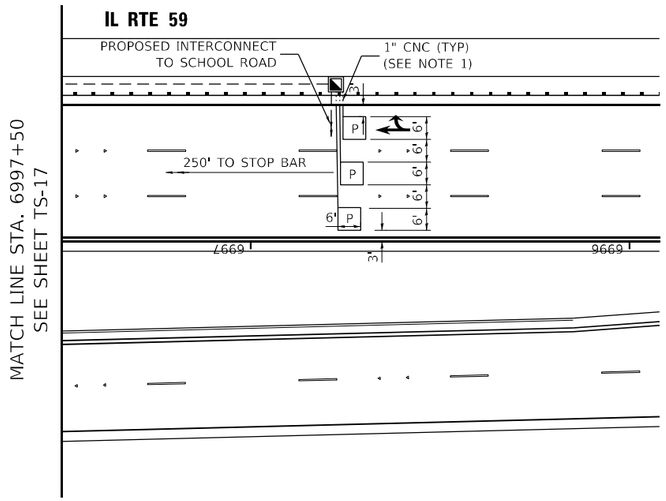
D162H15-sht-ts-Seil-006.dgn
55509
2022/01/27







NOTE:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COLLABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

TS 7493
EAGLE 3D

TS SHT NO. 18

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D162H15-sht-ts-Seil-007.dgn
55509
2022/01/27

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = echoi	DESIGNED - ECHOI	REVISED -
	DRAWN - ECHOI	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MGARVIDA	REVISED -
PLOT DATE = 4/26/2022	DATE - 04/27/2022	REVISED -

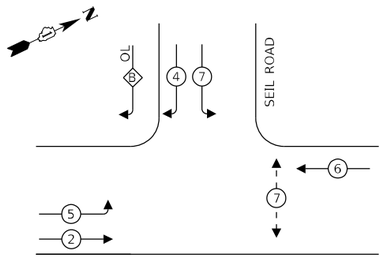
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
IL ROUTE 59 AND SEIL ROAD

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

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	890
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE

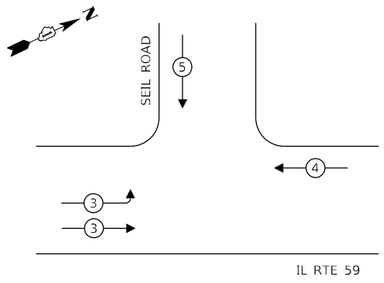


LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



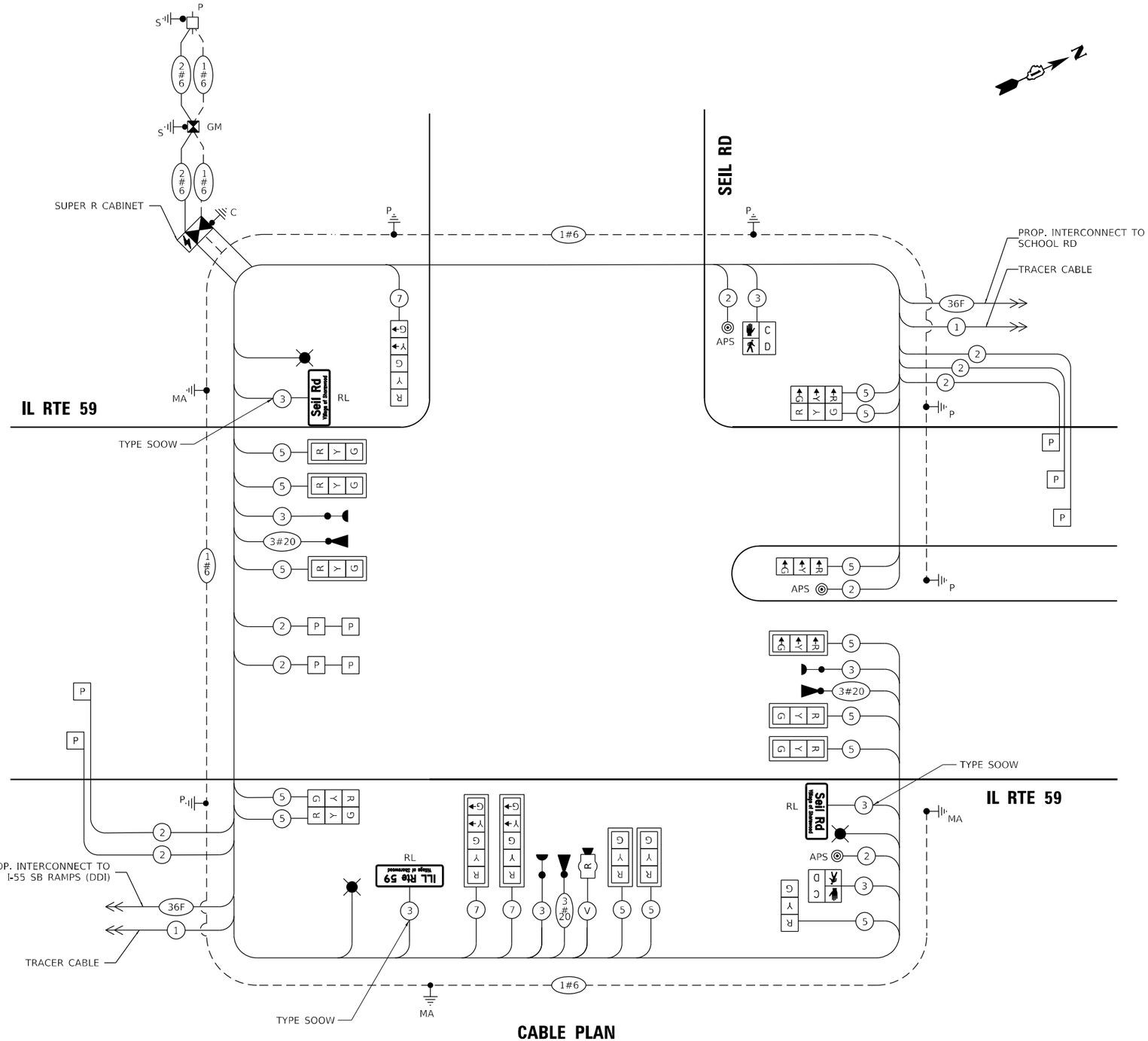
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	17	11	50	93.5
(YELLOW)	17	20	5	17.0
(GREEN)	17	12	45	91.8
PERMISSIVE ARROW	6	10	10	6.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	3	120	50	180.0
LUMINAIRE	3	165	50	247.5
			TOTAL =	800.8

ENERGY COSTS TO:

VILLAGE OF SHOREWOOD
141 W MAIN STREET
BRAIDWOOD, IL 60408

ENERGY SUPPLY: CONTACT: CHRISTY GOOSSENS
PHONE: 815-724-5982
COMPANY: COMMONWEALTH EDISON
TOWER ACCOUNT NUMBER: 11230-65351



CABLE PLAN
(NOT TO SCALE)

TS 7493
EAGLE 3D

TS SHT NO. 19

MODEL: Default
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D162H15-sht-ts-Sell-008.dgn
55509
2022/01/27

SINGH - ASSOCIATES INC. CONSULTING ENGINEERS	USER NAME = echoi	DESIGNED - ECHOI	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - ECHOI	REVISED -	
	PLOT SCALE = 2.0000 ' / in.	CHECKED - MGARVIDA	REVISED -	
	PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -	

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 59 AND SEIL ROAD

SCALE: NTS | SHEET OF SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	891
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY.
	SIGN PANEL - TYPE 1	SQ FT	40
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	791
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	122
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	657
	HANDHOLE	EACH	4
	HEAVY-DUTY HANDHOLE	EACH	1
	DOUBLE HANDHOLE	EACH	2
*	PAINT NEW TRAFFIC SIGNAL POST	EACH	5
*	PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	1
*	PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	2
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	810
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,300
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,440
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	560
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,460
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	200
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,170
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	20
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
	INDUCTIVE LOOP DETECTOR	EACH	7
	PREFORMED DETECTOR LOOP	FOOT	319
*	LIGHT DETECTOR	EACH	3
*	LIGHT DETECTOR AMPLIFIER	EACH	1
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
*	RELOCATE EXISTING ILLUMINATED SIGN	EACH	3
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	7
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	755
	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
*	ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	680
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	3
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE VILLAGE OF SHOREWOOD

TS 7493

EAGLE 3D

TS SHT NO. 20

SINGH
SINGH - ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = echoi	DESIGNED - ECHOI	REVISED -
	DRAWN - ECHOI	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - MGARVIDA	REVISED -
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
IL ROUTE 59 AND SEIL ROAD

SCALE: NTS | SHEET OF SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	892
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS FED. AID PROJECT			

D162H15-sht-ts-Seil-009.dgn
55509
2022/01/27

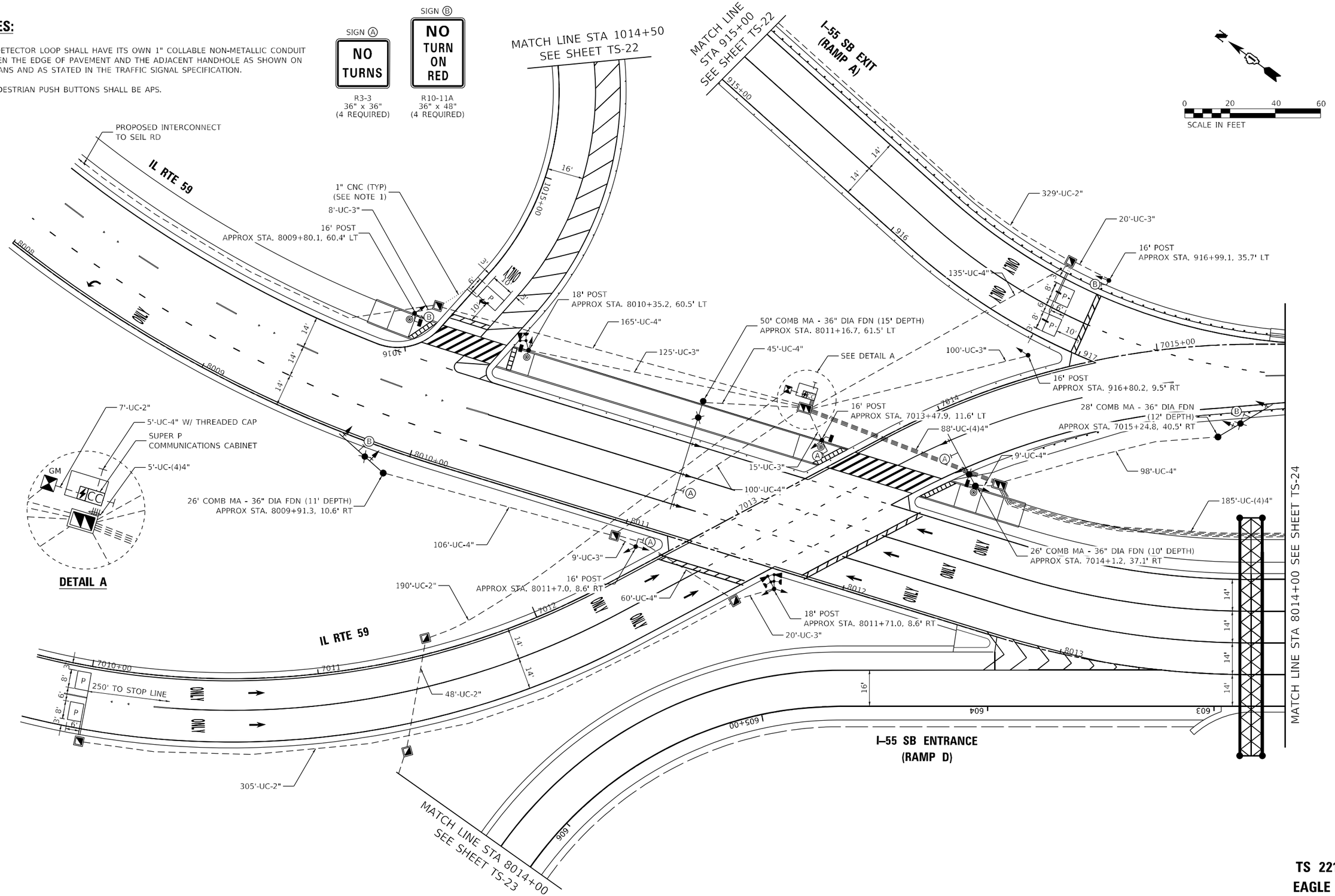
NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COLLABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

2. ALL PEDESTRIAN PUSH BUTTONS SHALL BE APS.

SIGN (A)
NO TURNS
R3-3
36" x 36"
(4 REQUIRED)

SIGN (B)
NO TURN ON RED
R10-11A
36" x 48"
(4 REQUIRED)



TS 22199
EAGLE 3D

TS SHT NO. 21

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USER NAME = echoi	DESIGNED - ECHOI	REVISED -	
	DRAWN - ECHOI	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MGARVIDA	REVISED -	
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -	

SINGH + ASSOCIATES INC
CONSULTING ENGINEERS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 1 OF 3)
IL RTE 59 AND I-55 SOUTHBOUND RAMPS

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

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	893
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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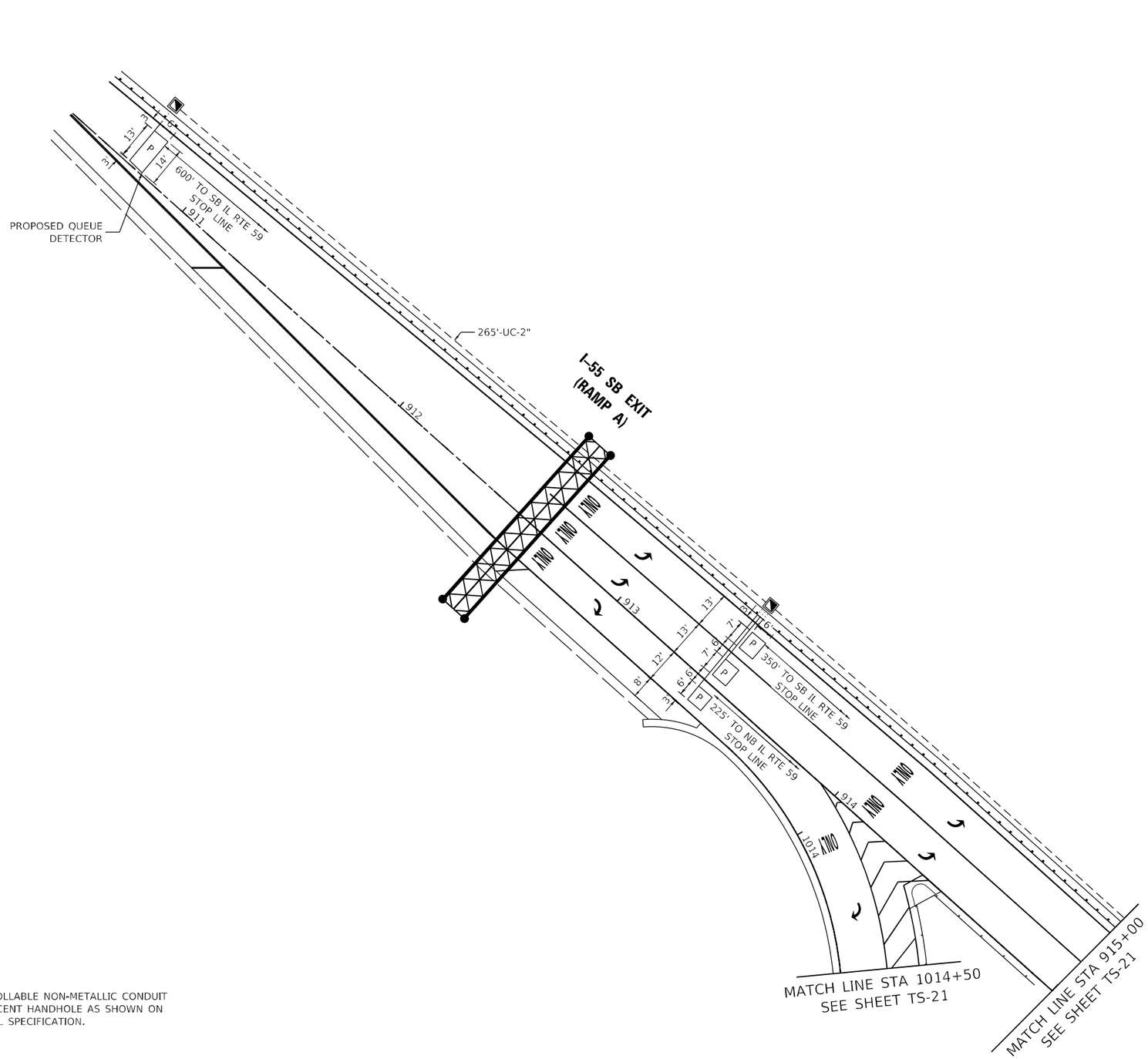
55509
2022/01/27



NOTE:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COLLABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

TS SHT NO. 22

TS 22199

EAGLE 3D

SINGH + ASSOCIATES INC. CONSULTING ENGINEERS	USER NAME = echoi	DESIGNED - ECHOI	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 2 OF 3) IL RTE 59 AND I-55 SOUTHBOUND RAMPS**
		DRAWN - ECHOI	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MGARVIDA	REVISED -		
	PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -		SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	894
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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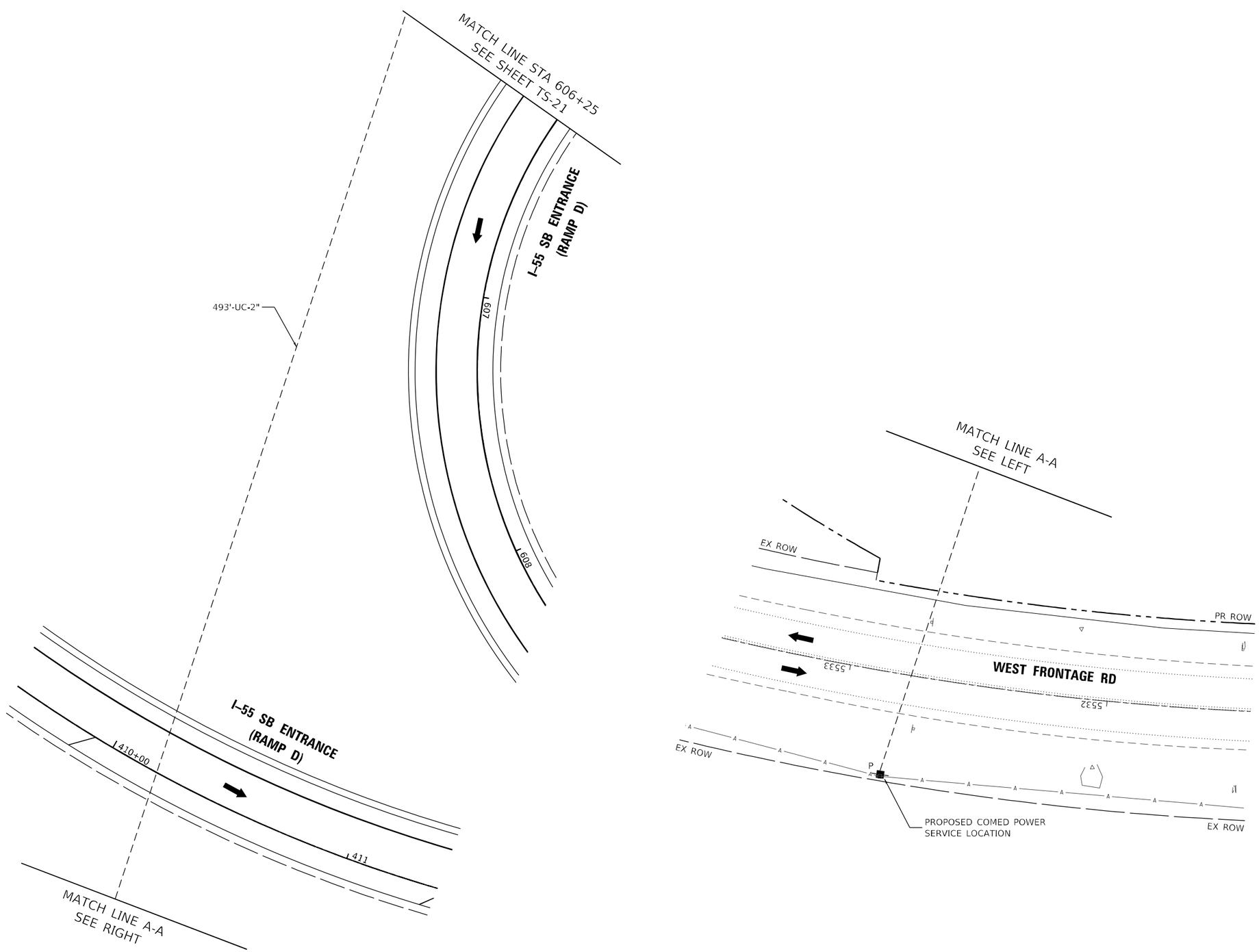
2022/01/27



TS SHT NO. 23

TS 22199

EAGLE 3D

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D162H15-sht-ts-i55-003.dgn
55509
2022/01/27

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

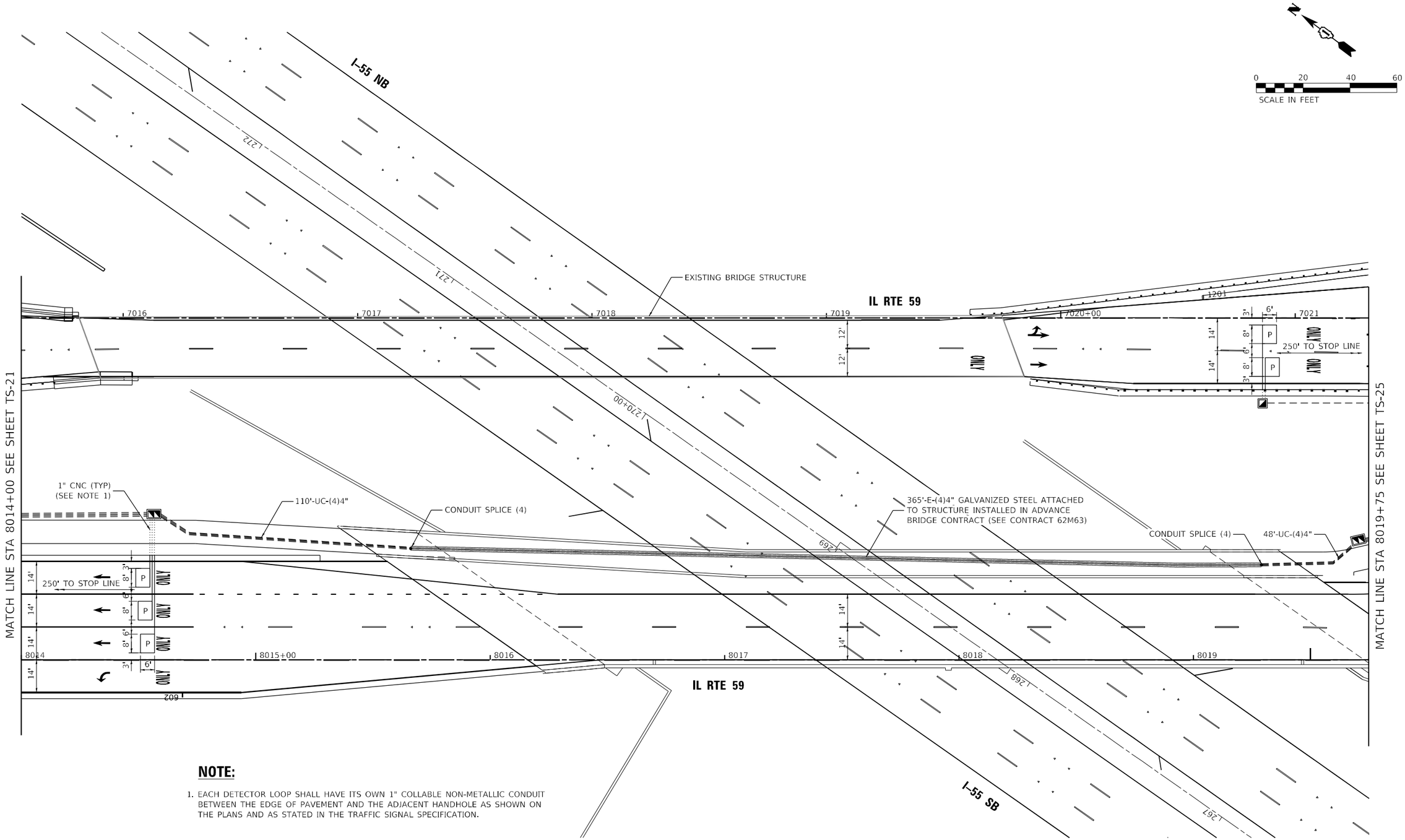
USER NAME = echoi	DESIGNED - ECHOI	REVISED -
	DRAWN - ECHOI	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MGARVIDA	REVISED -
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 3 OF 3)
IL RTE 59 AND I-55 SOUTHBOUND RAMPS

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

F.A.I./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	895
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		



0 20 40 60
SCALE IN FEET

NOTE:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COLLABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

TS SHT NO. 24

TS 22199

EAGLE 3D

SINGH
SINGH + ASSOCIATES INC.
CONSULTING ENGINEERS

USER NAME = echoi	DESIGNED - ECHOI	REVISED -
	DRAWN - ECHOI	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MGARVIDA	REVISED -
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 59 AND I-55 SOUTHBOUND AND NORTHBOUND RAMPS

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

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	896
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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D162H15-sht-ts455-004.dgn
55509
2022/01/27

MATCH LINE STA 1204+40
SEE SHEET TS-26

MATCH LINE STA 1108+50
SEE SHEET TS-26

MATCH LINE STA 8019+75 SEE SHEET TS-24

5'-UC-4" W/
THREADED CAP

SUPER R CABINET

5'-UC-(4)4"

5'-UC-(4)4"

DETAIL A

0 20 40 60
SCALE IN FEET

26' MA - 30" DIA FDN (10' DEPTH)
APPROX STA. 1108+17.9, 30.6' LT

16' POST
APPROX STA. 1107+75.5, 9.6' RT

I–55 NB ENTRANCE (RAMP B)

49'-UC-3"

48'-UC-3"

113'-UC-2"

16' POST
APPROX STA. 1107+75.3, 31.8' LT

9'-UC-3"

99'-UC-2"

144'-UC-4"

GM

SEE DETAIL A

12'-UC-3"

18' POST
APPROX STA. 7023+57.6, 12.1' LT

38' COMB MA - 36" DIA FDN (11" DEPTH)
APPROX STA. 8021+41.1, 49.8' LT

112'-UC-(4)4"

27'-UC-3"

18' POST
APPROX STA. 7023+78.8, 14.5' LT

96'-UC-4"

81'-UC-4"

250' TO STOP LINE

175'-UC-2"

236'-UC-2"

110'-UC-(4)4"

15'-UC-4"

68'-UC-(2)4"

5'-UC-3"

16' POST
APPROX STA. 7024+34.3, 6.6' LT

34' COMB MA - 36" DIA FDN (11" DEPTH)
APPROX STA. 7027+00.0, 12.6' LT

IL RTE 59

98'-UC-3"

16' POST
APPROX STA. 815+31.9, 8.4' RT

60'-UC-3"

16' POST
APPROX STA. 8020+20.9, 36.6' LT

90'-UC-4"

18' POST
APPROX STA. 7026+27.3, 40.5' RT

16' POST
APPROX STA. 707+62.0, 15.5' RT

5'-UC-3"

72'-UC-4"

26' COMB MA - 36" DIA FDN (11' DEPTH)
APPROX STA. 7024+14.5, 38.0' RT

34'-UC-4"

16' POST
APPROX STA. 8022+10.9, 8.5' RT

260'-UC-4"

10'-UC-3"

65'-UC-4"

10'-UC-3"

16' POST
APPROX STA. 815+48.3, 35.6' LT

I–55 NB EXIT (RAMP C)

26' COMB MA - 36" DIA FDN (11' DEPTH)
APPROX STA. 8020+60.8, 22.1' RT

MATCH LINE STA 813+00
SEE SHEET TS-26

MATCH LINE STA 706+75
SEE SHEET TS-26

SIGN Ⓐ

NO TURNS

R3-3
36" x 36"
(4 REQUIRED)

SIGN Ⓑ

NO TURN ON RED

R10-11A
36" x 48"
(4 REQUIRED)

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COLLABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

2. ALL PEDESTRIAN PUSH BUTTONS SHALL BE APS.

TS 22199
EAGLE 3D

TS SHT NO. 25

MODEL: Default
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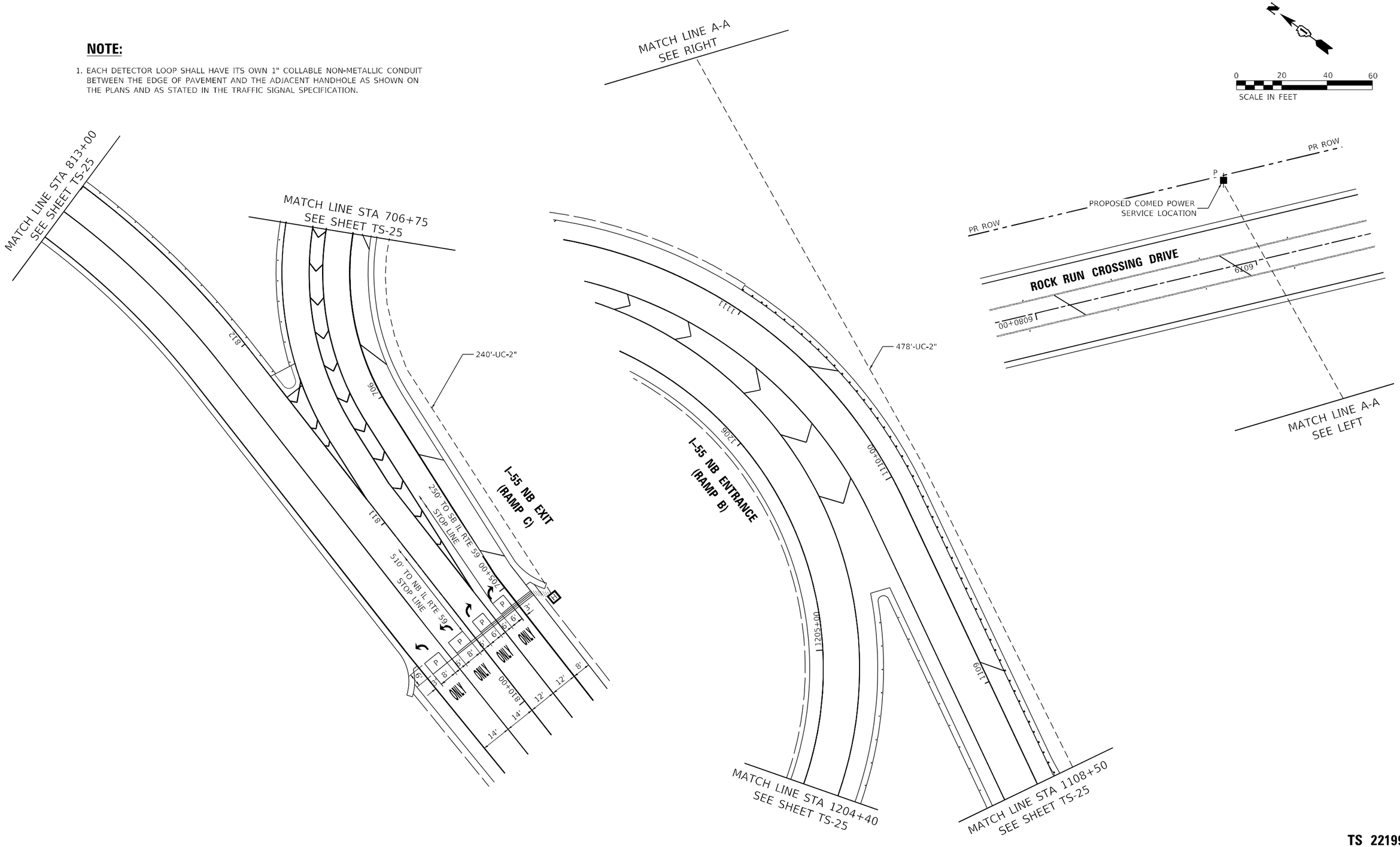
D162H15-sht-ts-455-005.dgn
55509
2022/01/27

SINGH – ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = echoi	DESIGNED - ECHOI	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 1 OF 2) IL RTE 59 AND I–55 NORTHBOUND RAMPS**
		DRAWN - ECHOI	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MGARVIDA	REVISED -		SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -		

F.A.I./P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	897
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

NOTE:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COLLABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.



TS 22199
EAGLE 3D

TS SHT NO. 26

SINGH - ASSOCIATES INC. CONSULTING ENGINEERS	USER NAME = echoi	DESIGNED - ECHOI	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 2 OF 2) IL RTE 59 AND I-55 NORTHBOUND RAMPS**
		DRAWN - ECHOI	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MGARVIDA	REVISED -		SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -		

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	898
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS FED. AID PROJECT			

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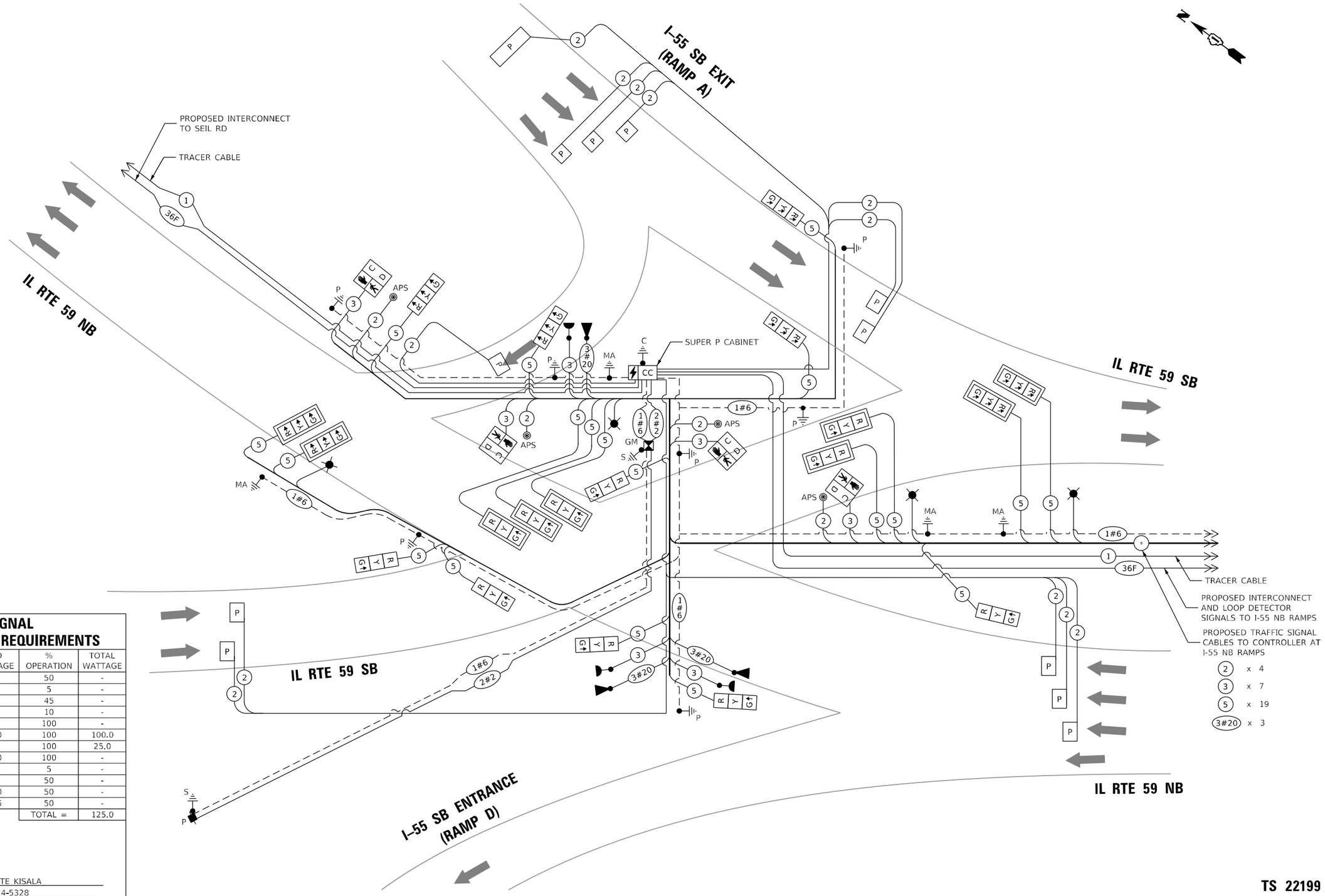
062H15-sht-ts455-006.dgn
55509
2022/01/27



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	-	11	50	-
(YELLOW)	-	20	5	-
(GREEN)	-	12	45	-
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	165	50	-
			TOTAL =	125.0

ENERGY COSTS TO:

CITY OF JOLIET
150 W JEFFERSON STREET
JOLIET, IL 60432

ENERGY SUPPLY: CONTACT: ANNETTE KISALA
PHONE: 815-724-5328
COMPANY: COMMONWEALTH EDISON
TOWER ACCOUNT NUMBER: 31321-49193

TS SHT NO. 27

TS 22199
EAGLE 3D

SINGH
SINGH + ASSOCIATES, INC
CONSULTING ENGINEERS

USER NAME = echoi	DESIGNED - ECHOI	REVISED -	
	DRAWN - ECHOI	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - MGARVIDA	REVISED -	
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
IL RTE 59 AND I-55 SOUTHBOUND RAMPS

SCALE: NTS | SHEET OF SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	899
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS	FED. AID PROJECT		

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D162H15-sht-ts455-007.dgn
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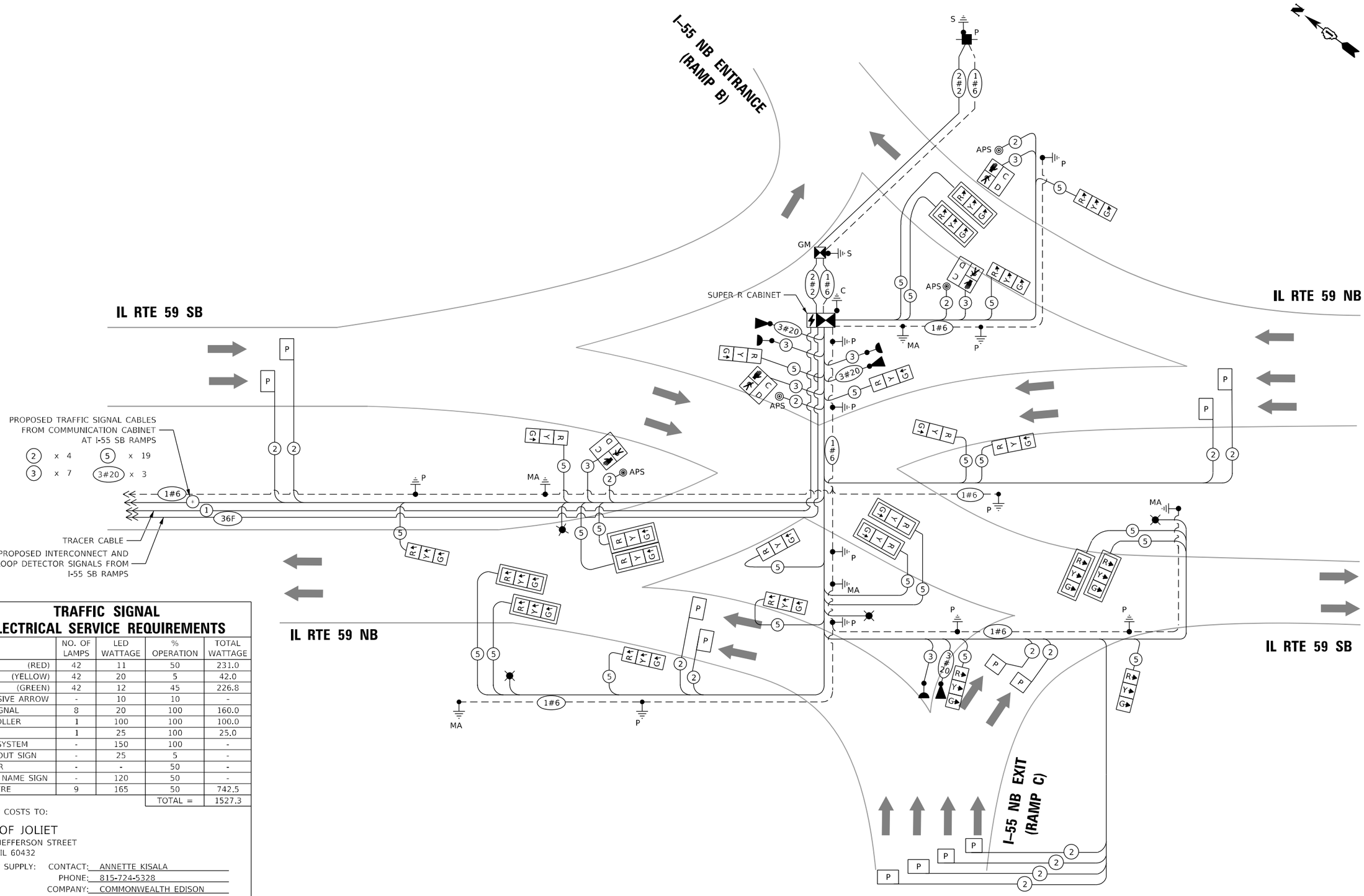
2022/01/27



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	42	11	50	231.0
(YELLOW)	42	20	5	42.0
(GREEN)	42	12	45	226.8
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	9	165	50	742.5
			TOTAL =	1527.3

ENERGY COSTS TO:

CITY OF JOLIET
150 W JEFFERSON STREET
JOLIET, IL 60432

ENERGY SUPPLY: CONTACT: ANNETTE KISALA
PHONE: 815-724-5328
COMPANY: COMMONWEALTH EDISON
TOWER ACCOUNT NUMBER: 31321-49193

TS SHT NO. 28

TS 22199
EAGLE 3D

SINGH
SINGH - ASSOCIATES INC.
CONSULTING ENGINEERS

USER NAME = echoi	DESIGNED - ECHOI	REVISED -
	DRAWN - ECHOI	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - MGARVIDA	REVISED -
PLOT DATE = 3/9/2022	DATE - 03/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
IL RTE 59 AND I-55 NORTHBOUND RAMPS

SCALE: NTS | SHEET OF SHEETS | STA. | TO STA.

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-075-R	WILL	1510	900
		CONTRACT NO. 62H15		
* FAI 55, FAP 338	ILLINOIS FED. AID PROJECT			

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2022/01/27