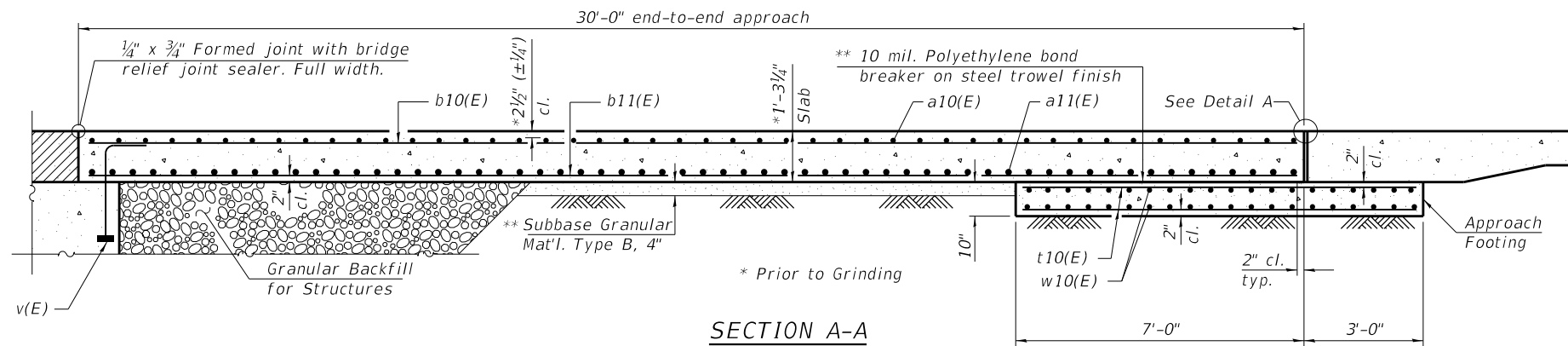
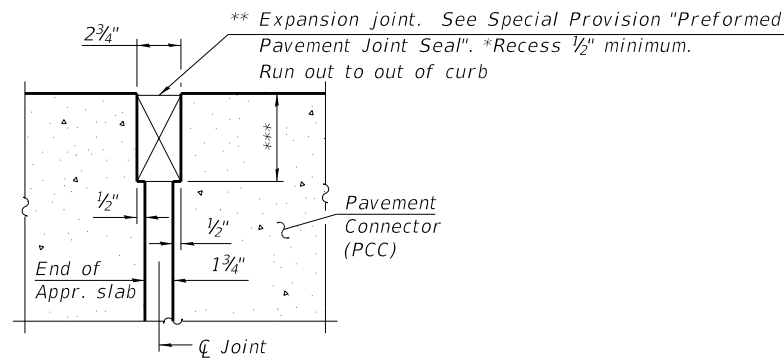


INSIDE ELEVATION OF PARAPET AND CURB



SECTION A-A

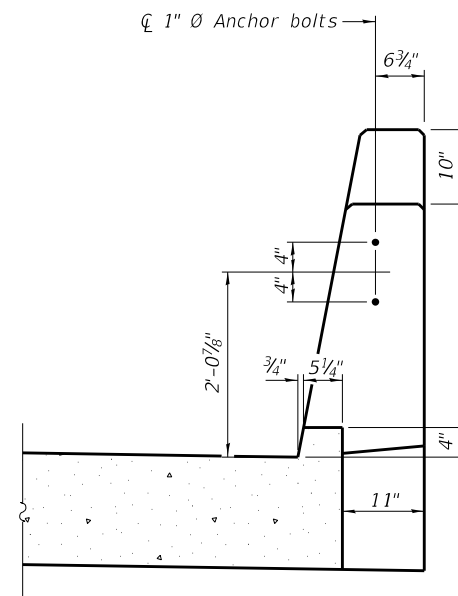


DETAIL A

(Detail A shown, applies to Highway Standard 420401 only. Detail A for pavement connector (HMA) may be found on Highway Standard 420406.)

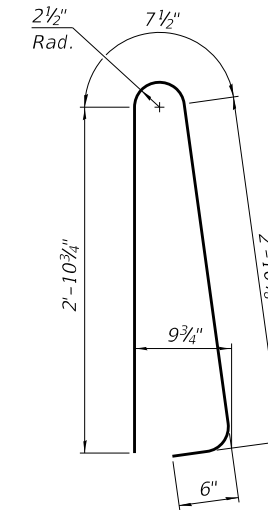
** Cost included with Concrete Superstructure (Approach Slab).

*** Per manufacturer recommendations

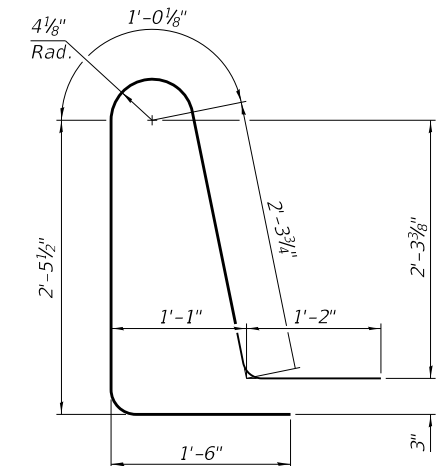


VIEW B-B

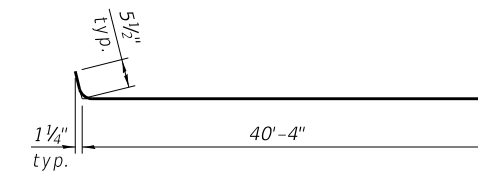
Notes:
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Omax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 40.



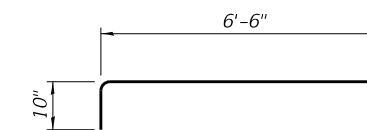
BAR d10(E)



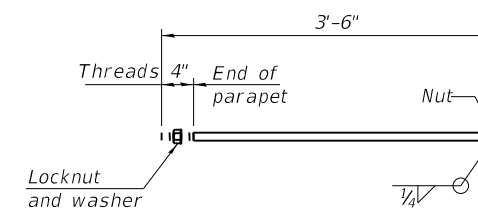
BAR d11(E)



BAR a10(E)



BAR a12(E)



**** 1" Ø ANCHOR BOLT**

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)

(Sheet 2 of 2)

**BILL OF MATERIAL (TWO APPROACHES)
 068-0049 (N.B.)**

Bar	No.	Size	Length	Shape
a10(E)	92	#5	41'-3"	┌───┐
a11(E)	120	#8	40'-8"	┌───┐
a12(E)	92	#5	7'-4"	┌───┐
b10(E)	124	#5	29'-8"	┌───┐
b11(E)	196	#9	29'-8"	┌───┐
b12(E)	16	#5	14'-8"	┌───┐
b13(E)	4	#4	14'-8"	┌───┐
d10(E)	96	#5	7'-0"	┌───┐
d11(E)	96	#5	8'-6"	┌───┐
e10(E)	48	#4	15'-8"	┌───┐
t10(E)	168	#4	9'-8"	┌───┐
w10(E)	80	#5	40'-8"	┌───┐
Concrete Superstructure			Cu. Yd.	9.0
Concrete Superstructure (Approach Slab)			Cu. Yd.	118.8
Concrete Structures			Cu. Yd.	25.4
Reinforcement Bars, Epoxy Coated			Pound	48110

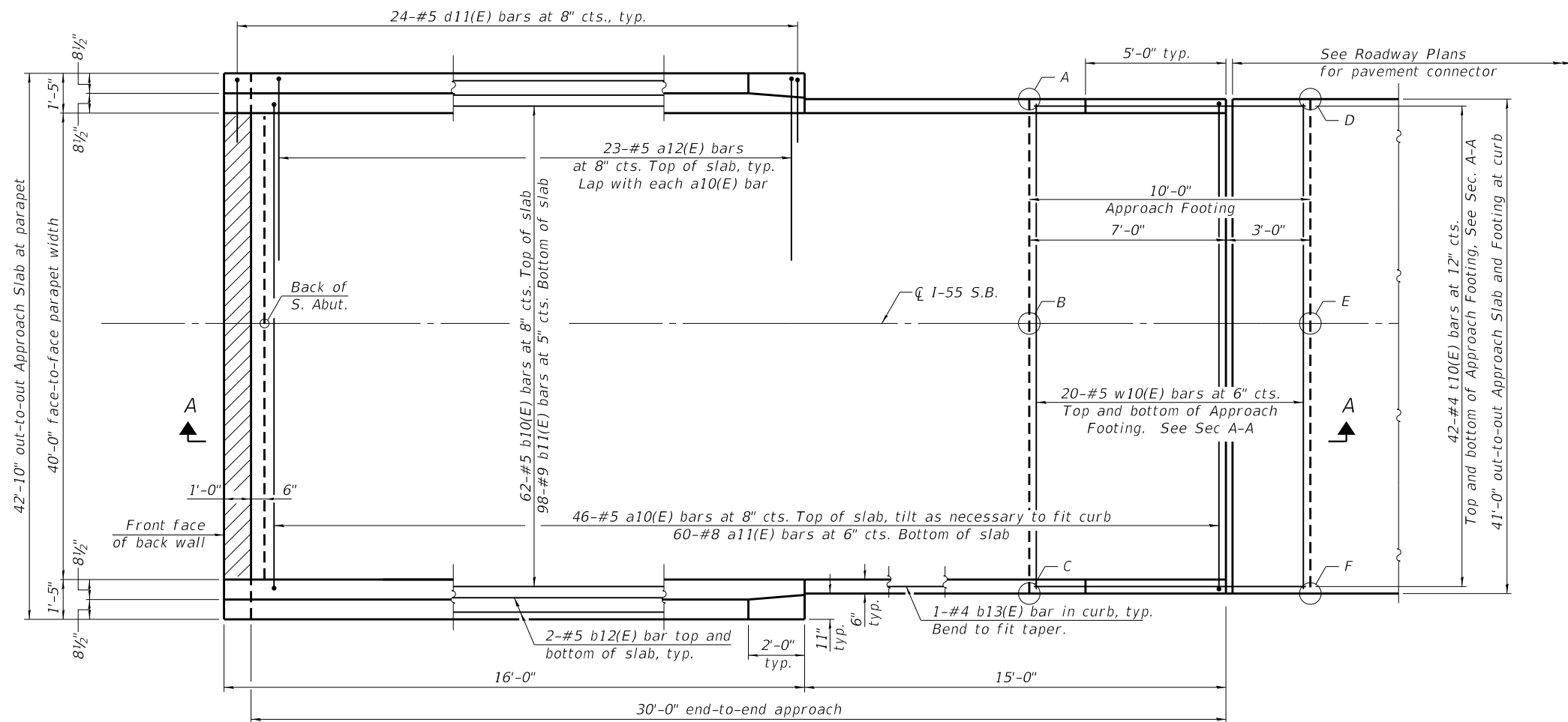
FILE NAME = 022-App Slab Details NB	USER NAME =	DESIGNED - CMV	REVISED -
BACON FARMER WORKMAN ENGINEERING & TESTING, INC.		CHECKED - GBR	REVISED -
803 NORTH COURT STREET NAPERVILLE, IL 60563 PHONE - 630.987.9100	PLOT SCALE =	DRAWN - BJV	REVISED -
	PLOT DATE = 1/6/2020	CHECKED - CMV	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 068-0049 (NB)**

SHEET NO. 22 OF 40 SHEETS

F.A.I. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	68-1,3 RS-3, 68-2 RS-5(BR)	MONTGOMERY	307	201
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	

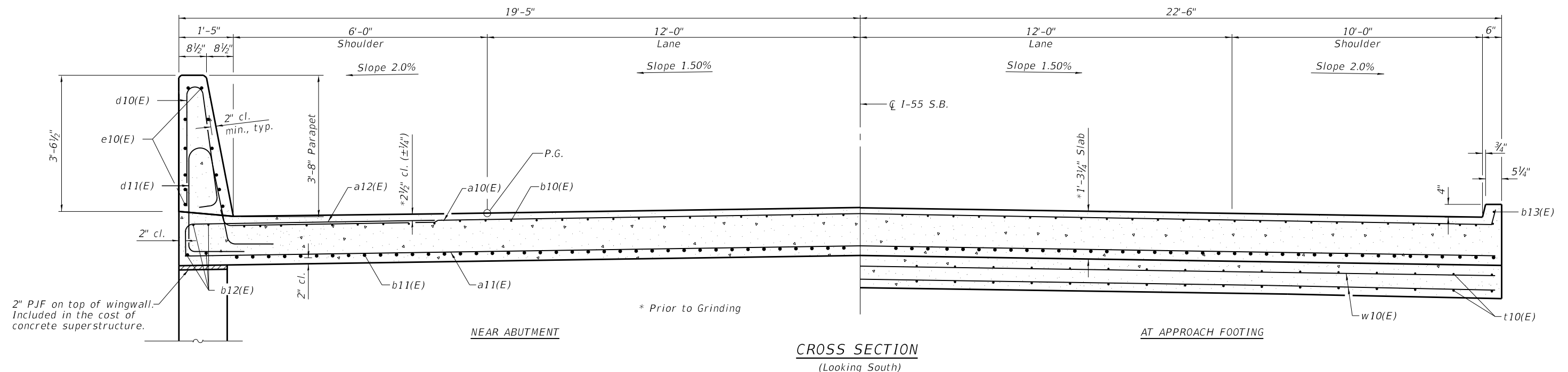
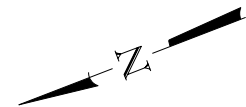


**TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING
SN 068-0048 (I-55 S.B.)**

Point	North Approach		South Approach	
	Top	Bottom	Top	Bottom
A	699.93	699.09	700.65	699.82
B	700.24	699.40	700.96	700.13
C	699.85	699.01	700.57	699.74
D	699.87	699.04	700.65	699.81
E	700.18	699.35	700.96	700.12
F	699.79	698.96	700.57	699.73

PLAN

(South Approach (SN 068-0048) shown,
North Approach (SN 068-0048) similar
by Mirror Image)



CROSS SECTION
(Looking South)

(Sheet 1 of 2)

FILE NAME = 023-App Slab Details SB	USER NAME =	DESIGNED - CMV	REVISED -
BACON FARMER WORKMAN ENGINEERING & TESTING, INC.		CHECKED - GBR	REVISED -
303 NORTH COURT STREET NAPLES, FLORIDA 34104 PHONE - (813) 987-9100	PLOT SCALE =	DRAWN - BJV	REVISED -
	PLOT DATE = 1/6/2020	CHECKED - GBR	REVISED -

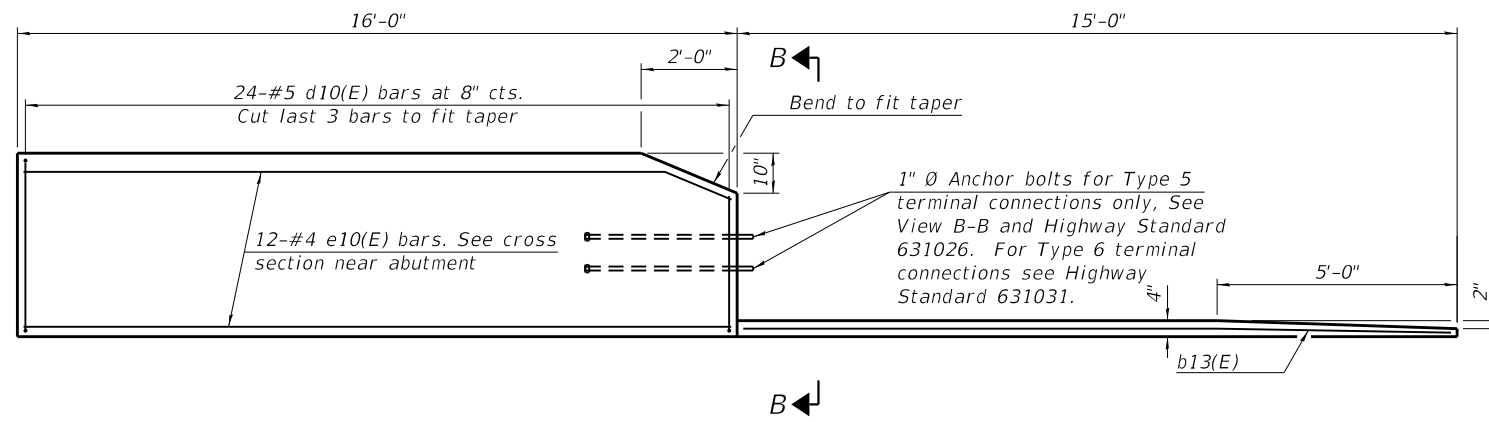
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 068-0048 (SB)**

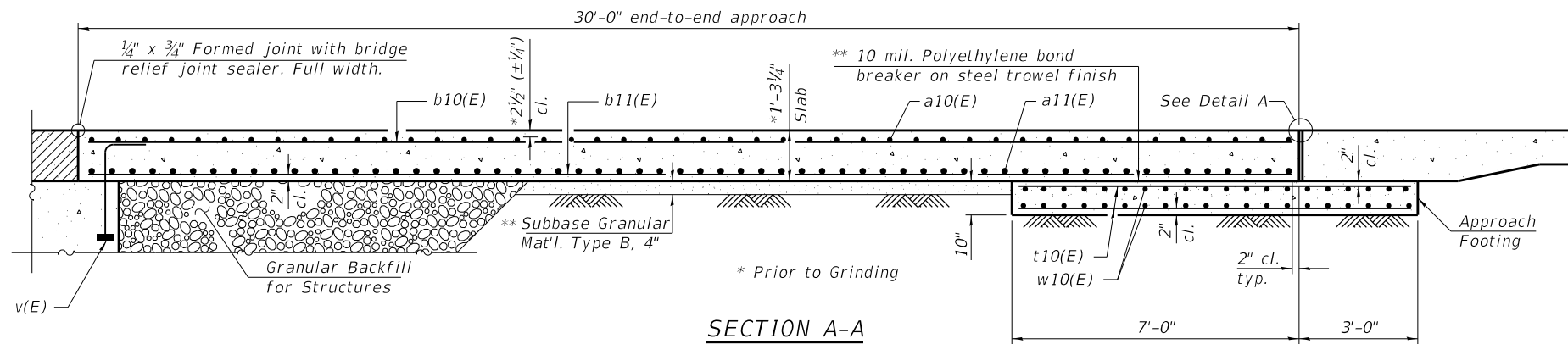
SHEET NO. 23 OF 40 SHEETS

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	68-1,3 RS-3, 68-2 RS-5)BR	MONTGOMERY	307	202
CONTRACT NO. 72D31				

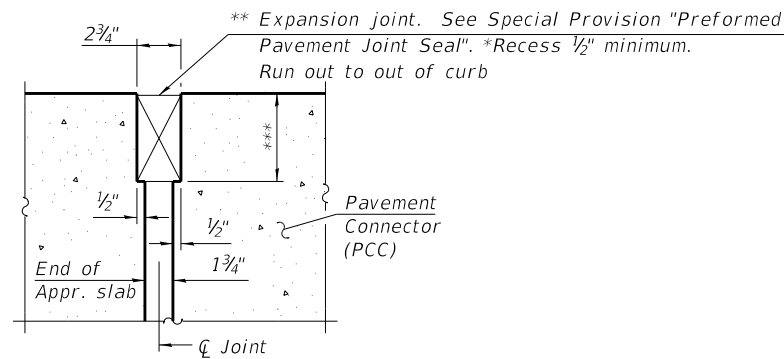
ILLINOIS FED. AID PROJECT



INSIDE ELEVATION OF PARAPET AND CURB



SECTION A-A

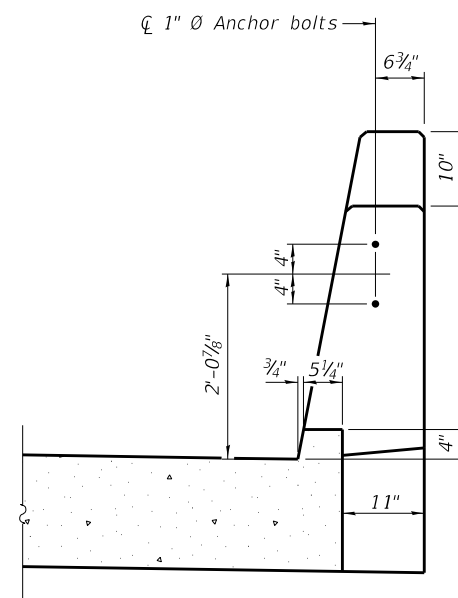


DETAIL A

(Detail A shown, applies to Highway Standard 420401 only. Detail A for pavement connector (HMA) may be found on Highway Standard 420406.)

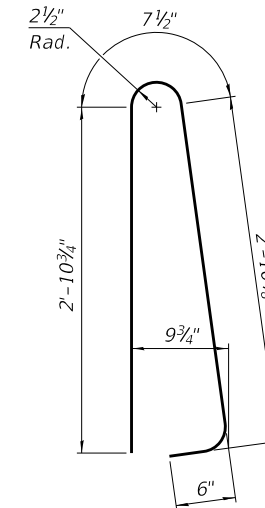
** Cost included with Concrete Superstructure (Approach Slab).

*** Per manufacturer recommendations

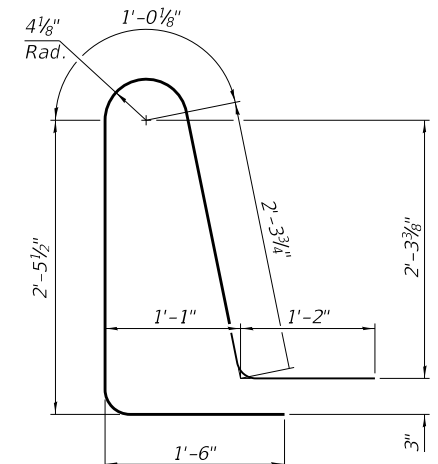


VIEW B-B

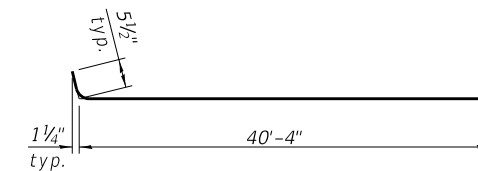
Notes:
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 40.



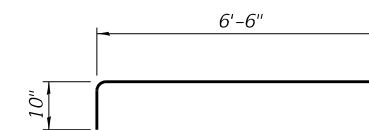
BAR d10(E)



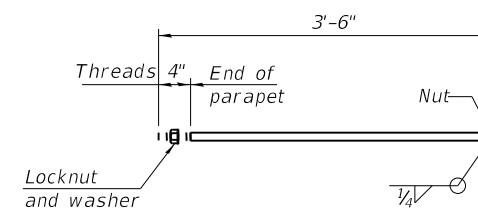
BAR d11(E)



BAR a10(E)



BAR a12(E)



**** 1" Ø ANCHOR BOLT**

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)

(Sheet 2 of 2)

**BILL OF MATERIAL (TWO APPROACHES)
 068-0048 (S.B.)**

Bar	No.	Size	Length	Shape
a10(E)	92	#5	41'-3"	┌───┐
a11(E)	120	#8	40'-8"	┌───┐
a12(E)	92	#5	7'-4"	┌───┐
b10(E)	124	#5	29'-8"	┌───┐
b11(E)	196	#9	29'-8"	┌───┐
b12(E)	16	#5	14'-8"	┌───┐
b13(E)	4	#4	14'-8"	┌───┐
d10(E)	96	#5	7'-0"	┌───┐
d11(E)	96	#5	8'-6"	┌───┐
e10(E)	48	#4	15'-8"	┌───┐
t10(E)	168	#4	9'-8"	┌───┐
w10(E)	80	#5	40'-8"	┌───┐
Concrete Superstructure		Cu. Yd.	9.0	
Concrete Superstructure (Approach Slab)		Cu. Yd.	118.8	
Concrete Structures		Cu. Yd.	25.4	
Reinforcement Bars, Epoxy Coated		Pound	48110	

FILE NAME = 024-App Slab Details SB	USER NAME =	DESIGNED - CMV	REVISED -
BACON FARMER WORKMAN ENGINEERING & TESTING, INC.		CHECKED - GBR	REVISED -
303 NORTH COURT STREET NAPERVILLE, IL 60563 PHONE - 630.987.9100	PLOT SCALE =	DRAWN - BJV	REVISED -
	PLOT DATE = 1/6/2020	CHECKED - GBR	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 068-0048 (SB)**

SHEET NO. 24 OF 40 SHEETS

F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	68-1,3 RS-3, 68-2 RS-5)BR	MONTGOMERY	307	203
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	

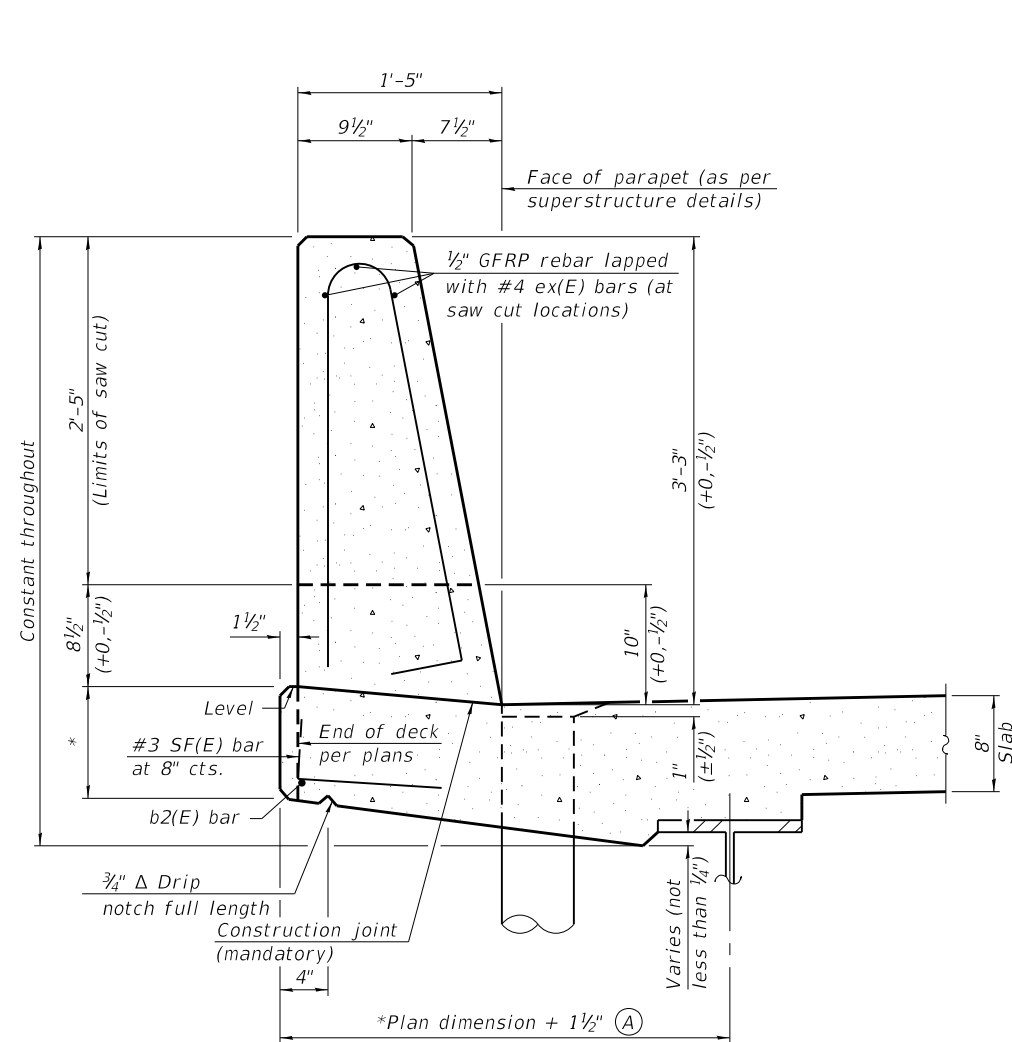
GENERAL NOTES

All dimensions shall remain the same as shown on superstructure details, except dimension A which is to be revised as shown. Additional concrete needed to revise dimension A = 0.00348 cu. yds./ft. for 39" and 44" parapets.

Place full depth aluminum sheets as shown on superstructure details.

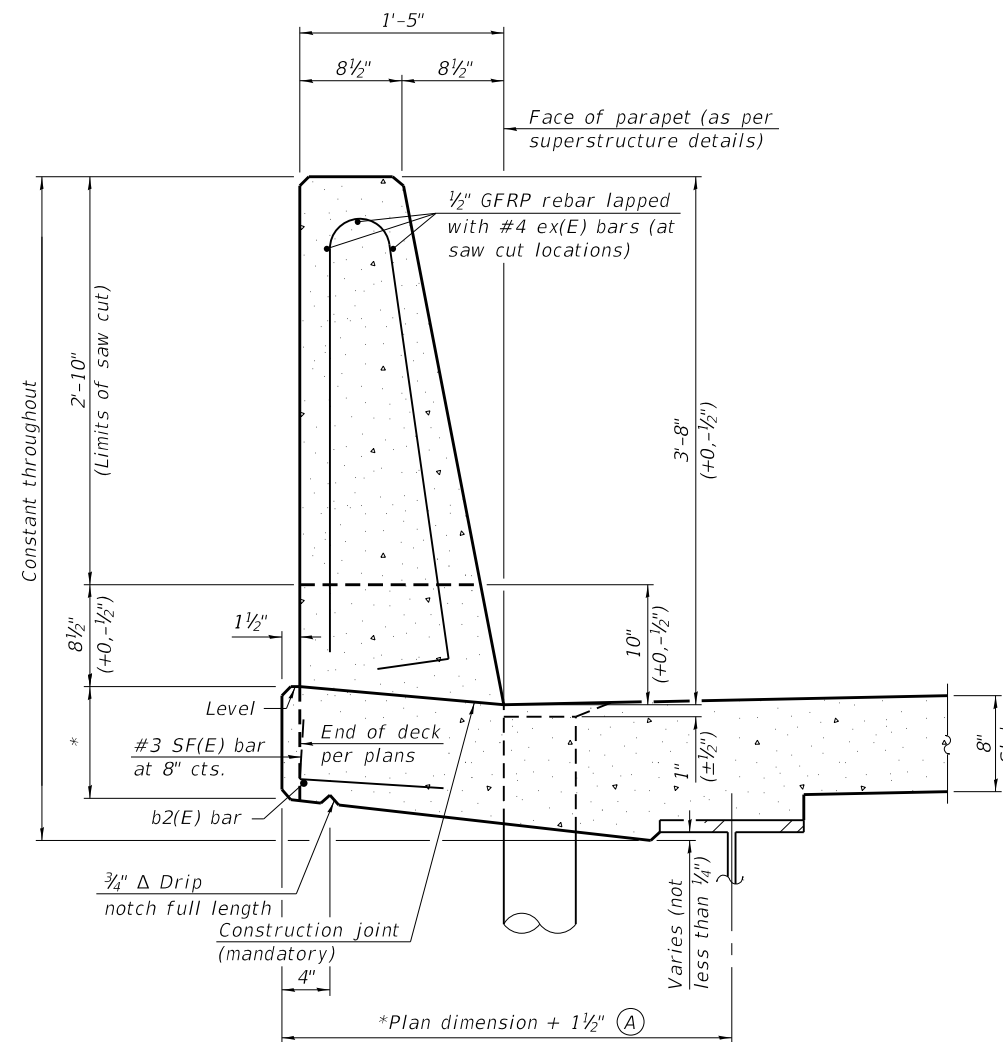
Replace all cork joint filler locations with a full thickness saw cut.

Steel superstructure shown. Other superstructure types similar.



**39" CONSTANT-SLOPE
PARAPET SECTION**

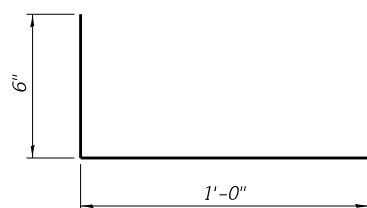
(Showing dimensions, d(E), and 1/2" Ø GFRP rebar)



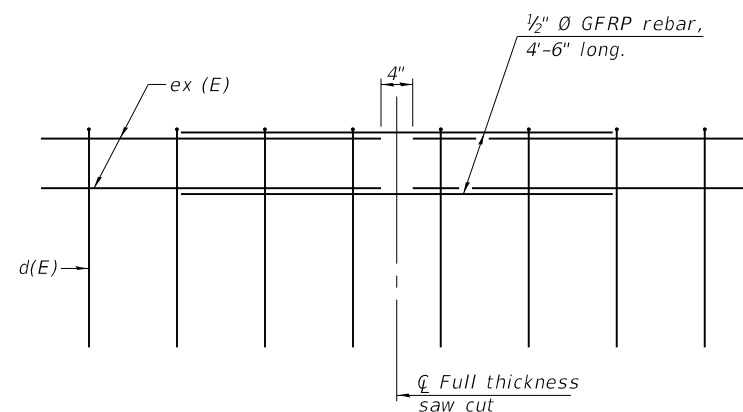
**44" CONSTANT-SLOPE
PARAPET SECTION**

(Showing dimensions, d(E), and 1/2" Ø GFRP rebar)

*See Superstructure Details.



#3 (E) BAR



GFRP REBAR STIFFENING DETAIL

(Place as shown in parapet section at each parapet joint location.)

SFP 39-44

1-14-2019



USER NAME =	DESIGNED - CMV	REVISD -
PLOT SCALE =	CHECKED - GBR	REVISD -
PLOT DATE = 1/6/2020	DRAWN - BJV	REVISD -
	CHECKED - CMV	REVISD -

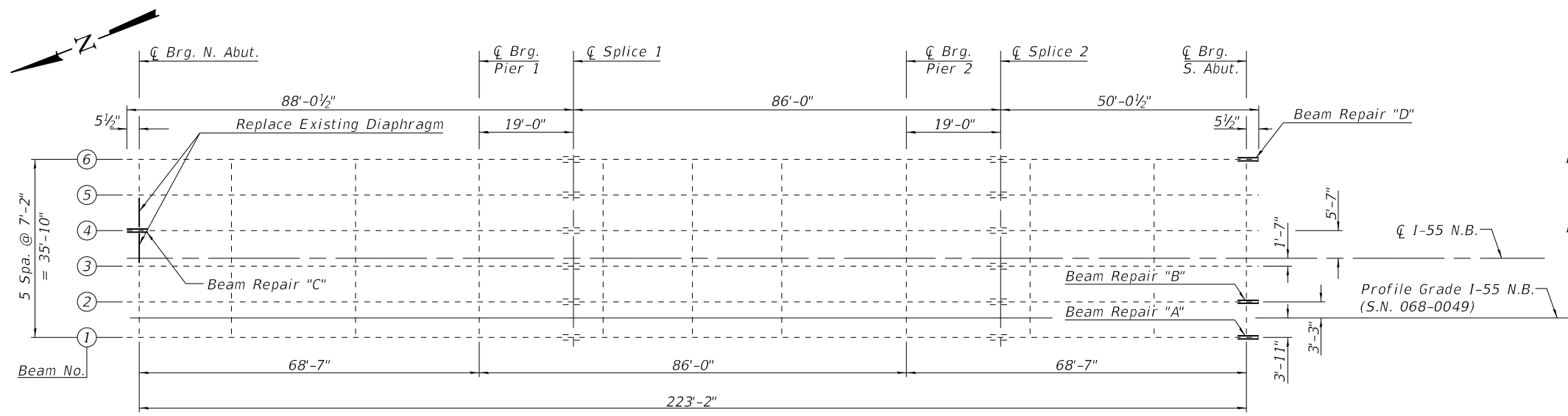
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NO. 068-0048 (SB) & 068-0049 (NB)**

SHEET NO. 25 OF 40 SHEETS

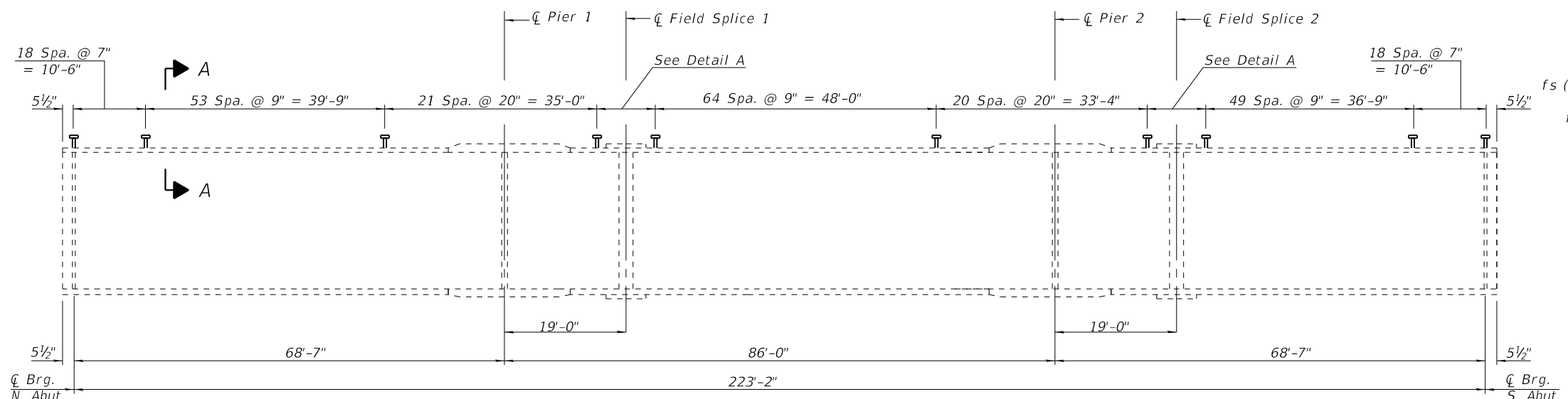
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	68-1.3 RS-3, 68-2 RS-5)BR	MONTGOMERY	307	204
				CONTRACT NO. 72D31

ILLINOIS FED. AID PROJECT



FRAMING PLAN

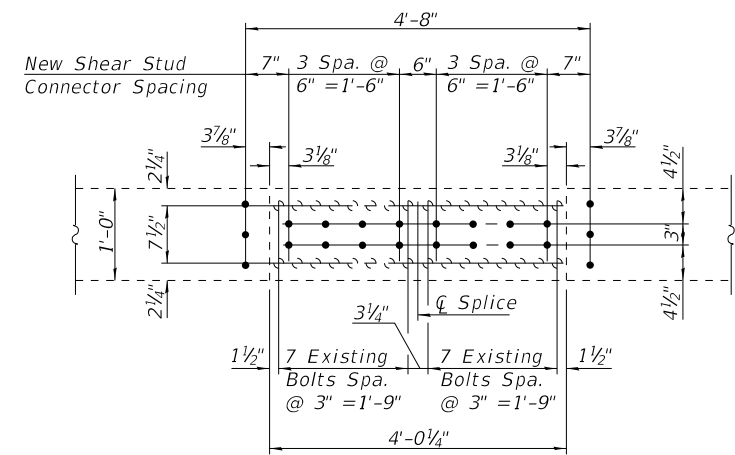
Note:
See Sheet 28 & 29 of 40 for Beam Repair and Diaphragm Replacement Details.



GIRDER ELEVATION

- I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total and Overload) due to non-composite dead loads (in^4 and in^3).
- $I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total and Overload) due to short-term composite live loads (in^4 and in^3).
- $I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total and Overload) due to long-term composite (superimposed) dead loads (in^4 and in^3).
- $I_c(cr), S_c(cr)$: Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_s (Total and Overload) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in^4 and in^3).
- Z: Plastic Section Modulus of the steel section in non-composite areas (in^3).
- ρ : Un-factored non-composite dead load (kips/ft.).
- $M\rho$: Un-factored moment due to non-composite dead load (kip-ft.).
- $s\rho$: Un-factored long-term composite (superimposed) dead load (kips/ft.).
- $M_s\rho$: Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).
- M_L : Un-factored live load moment (kip-ft.).
- MI: Un-factored moment due to impact (kip-ft.).
- M_a : Factored design moment (kip-ft.).
 $1.3 [M\rho + M_s\rho + \frac{5}{3} (M_L + MI)]$
- M_u : Compact composite moment capacity according to AASHTO LFD 10.50.1.1 or compact non-composite moment capacity according to AASHTO LFD 10.48.1 (kip-ft.).
- f_s (Overload): Sum of stresses as computed from the moments below (ksi).
 $M\rho + M_s\rho + \frac{5}{3} (M_L + MI)$
- f_s (Total): Sum of stresses as computed from the moments below on non-compact section (ksi).
 $1.3 [M\rho + M_s\rho + \frac{5}{3} (M_L + MI)]$
- VR: Maximum ℓ + impact shear range within the the span for stud shear connector design (kips).

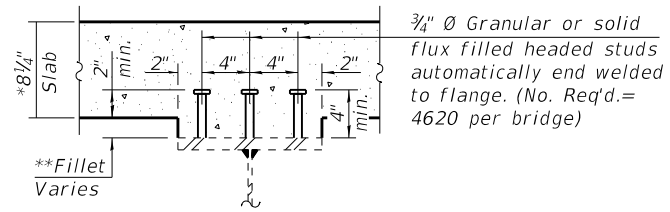
	N. Abut./ S. Abut	Pier 1 or 2
$R\rho$ (k)	37.7	127.4
R_L (k)	37.1	52.6
R_i (k)	9.60	12.9
R_{Total} (k)	84.4	192.9



DETAIL A

	N. Abut./ S. Abut	Pier 1 or 2
$R\rho$ (k)	34.0	114.5
R_L (k)	43.9	55.1
R_i (k)	11.4	13.6
R_{Total} (k)	89.3	183.2

*** Compact composite section - Positive Moment Region
**** Non-compact composite section - Negative Moment Region

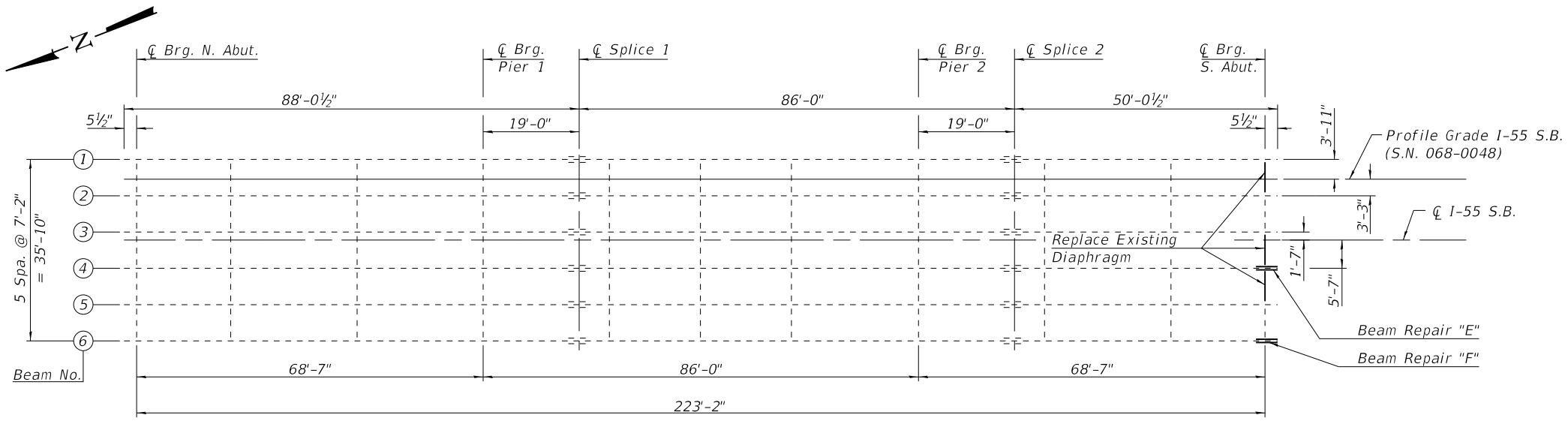


SECTION A-A

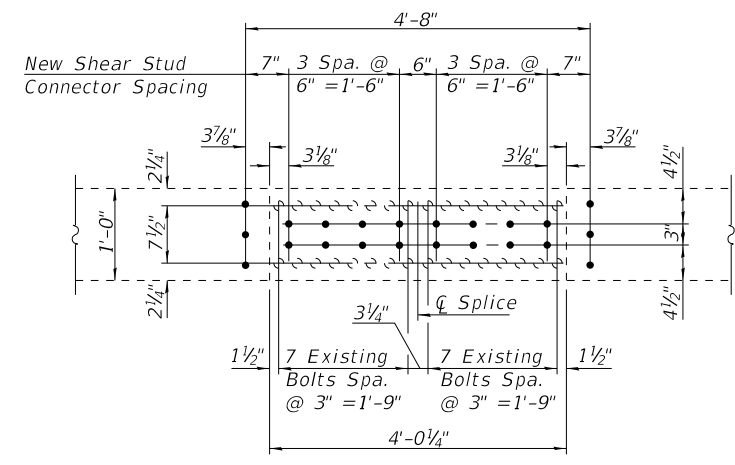
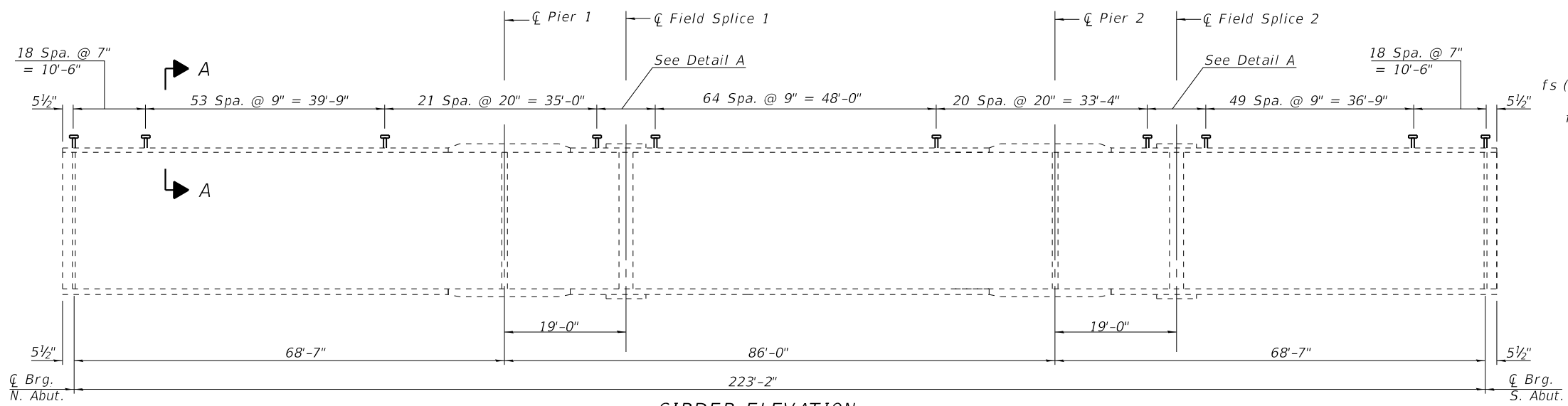
* Prior to grinding
** Estimated Fillet height varies from 2 3/8" to 5 1/2"

	0.4 Sp. 1 or 0.6 Sp. 3	Pier 1 or Pier 2	0.5 Sp. 2
I_s (in^4)	13797	19738	13797
$I_c(n)$ (in^4)	33446	-	33446
$I_c(3n)$ (in^4)	25509	-	25509
$I_c(cr)$ (in^4)	-	24175	-
S_s (in^3)	627.1	877.3	627.1
$S_c(n)$ (in^3)	848.5	-	848.5
$S_c(3n)$ (in^3)	785.1	-	785.1
$S_c(cr)$ (in^3)	-	944.5	-
Z (in^2)	-	-	-
ρ (k/ft)	0.960	1.009	0.960
$M\rho$ (k)	300.4	-605.7	283.0
$s\rho$ (k/ft)	0.357	0.357	0.357
$M_s\rho$ (k)	111.8	-224.2	106.3
M_L (k)	501.8	-464.8	504.3
MIM (k)	129.8	-114.9	119.6
$^5_3 [M_L + i]$ (k)	1053	-966.2	1040
M_a (k)	1905	-2335	1858
M_u (k)	2396	-	2405
$f_s\rho$ non-comp (ksi)	5.75	-8.29	5.42
$f_s\rho$ (comp) (ksi)	1.71	-2.85	1.62
$f_s^3 [M_L + M_i]$ (ksi)	14.9	-12.3	14.7
f_s (Overload) (ksi)	22.4	-23.4	21.7
f_s (Total) (ksi)	-	-30.4	-
VR (k)	49.1	49.1	44.9

	0.4 Sp. 1 or 0.6 Sp. 3	Pier 1 or Pier 2	0.5 Sp. 2
I_s (in^4)	13797	19738	13797
$I_c(n)$ (in^4)	33366	-	33366
$I_c(3n)$ (in^4)	25427	-	25427
$I_c(cr)$ (in^4)	-	24170	-
S_s (in^3)	627.1	877.3	627.1
$S_c(n)$ (in^3)	847.9	-	847.9
$S_c(3n)$ (in^3)	784.3	-	784.3
$S_c(cr)$ (in^3)	-	944.0	-
Z (in^2)	-	-	-
ρ (k/ft)	1.109	1.158	1.109
$M\rho$ (k)	346.9	-698.6	327.0
$s\rho$ (k/ft)	0.357	0.357	0.357
$M_s\rho$ (k)	111.8	-224.2	106.3
M_L (k)	476.6	-441.4	479.0
MIM (k)	123.3	-109.2	113.6
$^5_3 [M_L + i]$ (k)	999.8	-917.7	987.7
M_a (k)	1896	-2394	1847
M_u (k)	2373	-	2383
$f_s\rho$ non-comp (ksi)	6.64	-9.57	6.26
$f_s\rho$ (comp) (ksi)	1.71	-2.85	1.63
$f_s^3 [M_L + M_i]$ (ksi)	14.2	-11.7	14.0
f_s (Overload) (ksi)	22.6	-24.1	21.9
f_s (Total) (ksi)	-	-31.4	-
VR (k)	53.5	53.5	54.2

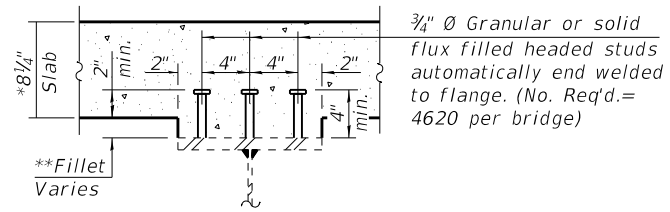


Note:
See Sheet 30 of 40 for Beam Repair and Diaphragm Replacement Details.



	N. Abut./ S. Abut.	Pier 1 or 2	
R _l	(k)	34.1	115.1
R _t	(k)	43.9	55.1
R _i	(k)	11.4	13.6
R _{Total}	(k)	89.4	183.8

*** Compact composite section - Positive Moment Region
**** Non-compact composite section - Negative Moment Region



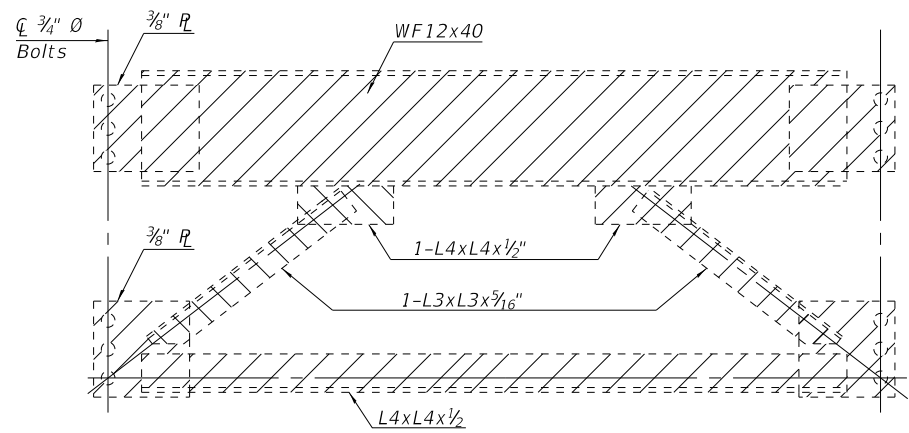
* Prior to grinding
** Estimated Fillet height varies from 3" to 5 3/4"

- Is, Ss: Non-composite moment of inertia and section modulus of the steel section used for computing fs(Total and Overload) due to non-composite dead loads (in.⁴ and in.³).
- Ic(n), Sc(n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing fs(Total and Overload) due to short-term composite live loads (in.⁴ and in.³).
- Ic(3n), Sc(3n): Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing fs(Total and Overload) due to long-term composite (superimposed) dead loads (in.⁴ and in.³).
- Ic(cr), Sc(cr): Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing fs (Total and Overload) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.⁴ and in.³).
- Z: Plastic Section Modulus of the steel section in non-composite areas (in.³).
- ρ: Un-factored non-composite dead load (kips/ft.).
- M_ρ: Un-factored moment due to non-composite dead load (kip-ft.).
- s_ρ: Un-factored long-term composite (superimposed) dead load (kips/ft.).
- M_{sρ}: Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).
- M_l: Un-factored live load moment (kip-ft.).
- M_I: Un-factored moment due to impact (kip-ft.).
- M_a: Factored design moment (kip-ft.).
1.3 [M_ρ + M_{sρ} + 5/3 (M_l + M_I)]
- M_u: Compact composite moment capacity according to AASHTO LFD 10.50.1.1 or compact non-composite moment capacity according to AASHTO LFD 10.48.1 (kip-ft.).
- fs (Overload): Sum of stresses as computed from the moments below (ksi).
M_ρ + M_{sρ} + 5/3 (M_l + M_I)
- fs (Total): Sum of stresses as computed from the moments below on non-compact section (ksi).
1.3 [M_ρ + M_{sρ} + 5/3 (M_l + M_I)]
- VR: Maximum_t + impact shear range within the the span for stud shear connector design (kips).

	N. Abut./ S. Abut.	Pier 1 or 2	
R _l	(k)	37.9	128.1
R _t	(k)	37.1	52.6
R _i	(k)	9.60	12.9
R _{Total}	(k)	84.6	193.6

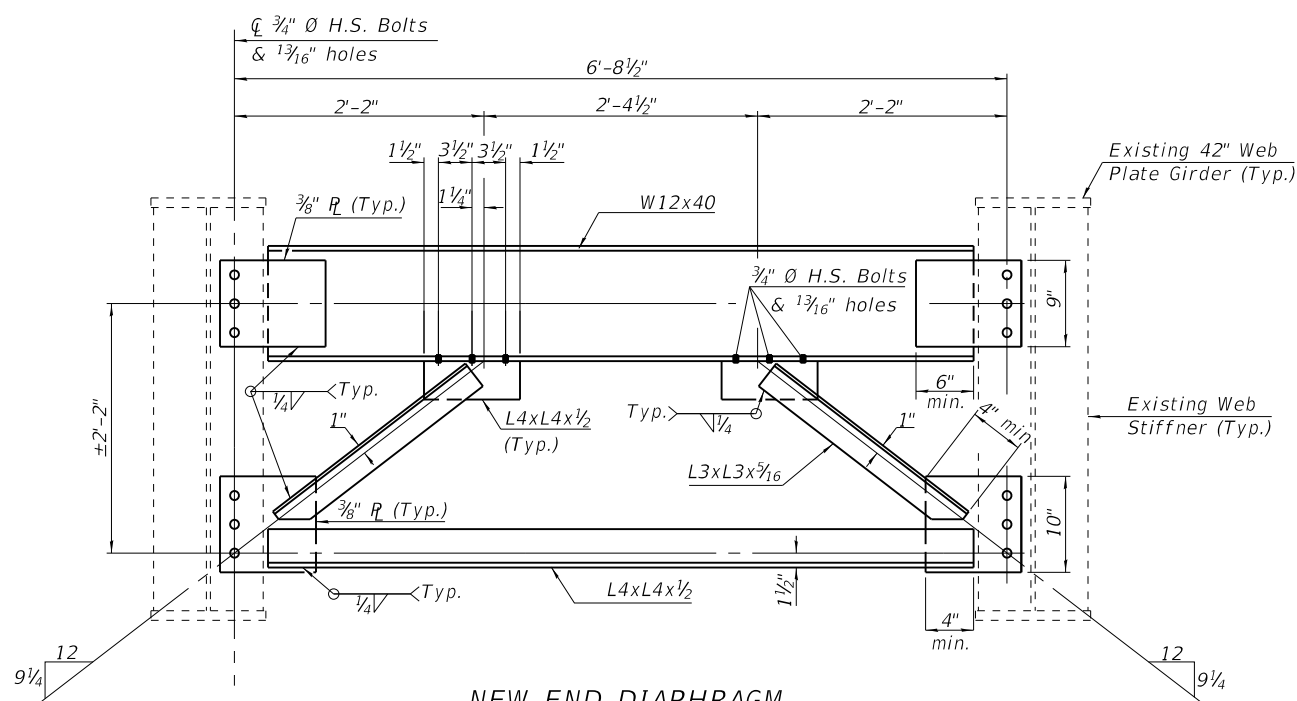
	0.4 Sp. 1 or 0.6 Sp. 3	Pier 1 or Pier 2	0.5 Sp. 2	
Is	(in ⁴)	13797	19738	13797
Ic(n)	(in ⁴)	33446	-	33446
Ic(3n)	(in ⁴)	25509	-	25509
Ic(cr)	(in ⁴)	-	24175	-
Ss	(in ³)	627.1	877.3	627.1
Sc(n)	(in ³)	848.5	-	848.5
Sc(3n)	(in ³)	785.1	-	785.1
Sc(cr)	(in ³)	-	944.5	-
Z	(in ²)	-	-	-
ρ	(k/')	0.967	1.016	0.967
M _ρ	(k)	302.9	-610.4	285.3
s _ρ	(k/')	0.357	0.357	0.357
M _{sρ}	(k)	111.8	-224.2	106.3
M _l	(k)	501.8	-464.8	504.3
M _I	(k)	129.8	-114.9	119.6
5/3 [M _l + i]	(k)	1053	-966.2	1040
M _a	(k)	1908	-2341	1861
M _u	(k)	2395	-	2403
fs ρ non-comp	(ksi)	5.80	-8.35	5.46
fs ρ (comp)	(ksi)	1.71	-2.85	1.62
fs 5/3 [M _l + M _I]	(ksi)	14.9	-12.3	14.7
fs (Overload)	(ksi)	22.4	-23.5	21.8
fs (Total)	(ksi)	-	-30.6	-
VR	(k)	49.1	49.1	44.9

	0.4 Sp. 1 or 0.6 Sp. 3	Pier 1 or Pier 2	0.5 Sp. 2	
Is	(in ⁴)	13797	19738	13797
Ic(n)	(in ⁴)	33366	-	33366
Ic(3n)	(in ⁴)	25427	-	25427
Ic(cr)	(in ⁴)	-	24170	-
Ss	(in ³)	627.1	877.3	627.1
Sc(n)	(in ³)	847.9	-	847.9
Sc(3n)	(in ³)	784.3	-	784.3
Sc(cr)	(in ³)	-	944.0	-
Z	(in ²)	-	-	-
ρ	(k/')	1.116	1.165	1.116
M _ρ	(k)	349.2	-704.1	329.2
s _ρ	(k/')	0.357	0.357	0.357
M _{sρ}	(k)	111.8	-224.2	106.3
M _l	(k)	476.6	-441.4	479.0
M _I	(k)	123.3	-109.2	113.6
5/3 [M _l + i]	(k)	999.8	-917.7	987.7
M _a	(k)	1899	-2400	1850
M _u	(k)	2372	-	2382
fs ρ non-comp	(ksi)	6.68	-9.63	6.30
fs ρ (comp)	(ksi)	1.71	-2.85	1.63
fs 5/3 [M _l + M _I]	(ksi)	14.2	-11.7	14.0
fs (Overload)	(ksi)	22.6	-24.2	21.9
fs (Total)	(ksi)	-	-31.5	-
VR	(k)	53.5	53.5	54.2



EXISTING DIAPHRAGM REMOVAL DETAIL

Remove 2 End Diaphragms and discard as shown on Sheet 26 of 40.
(Cost included with Structural Steel Removal)



NEW END DIAPHRAGM

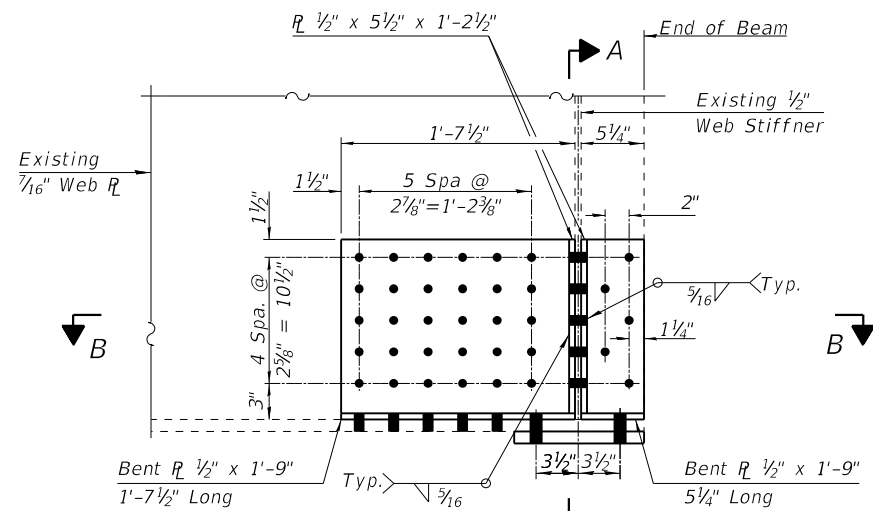
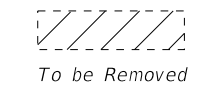
Install 2 New End Diaphragms per locations indicated on Sheet 26 of 40.
(Cost included with Furnishing and Erecting Structural Steel)

BOLT HOLE LEGEND

- - Field drill using existing steel as template
- - Shop drill holes in new steel and field drill holes in existing steel using new steel as template

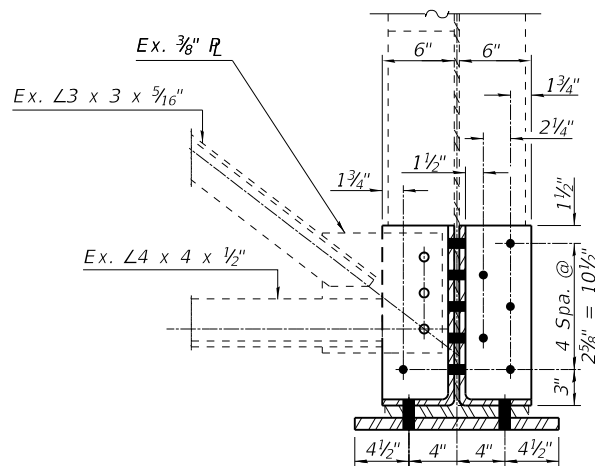
Note:
Two hardened washers required for each diaphragm connection.

LEGEND

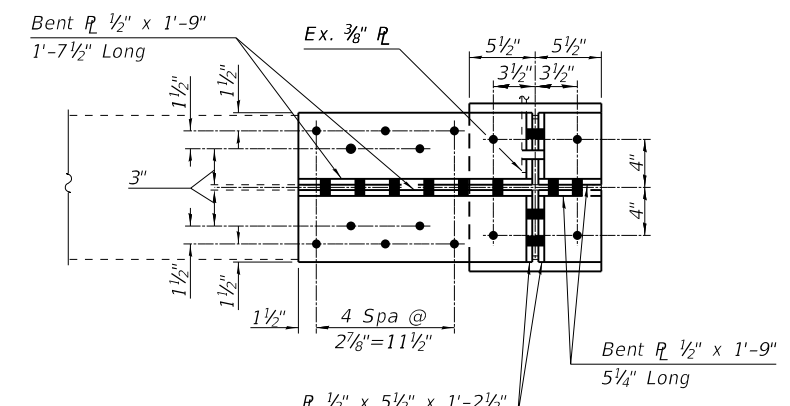


REPAIR "A" (BEAM 1 - SOUTH ABUTMENT)

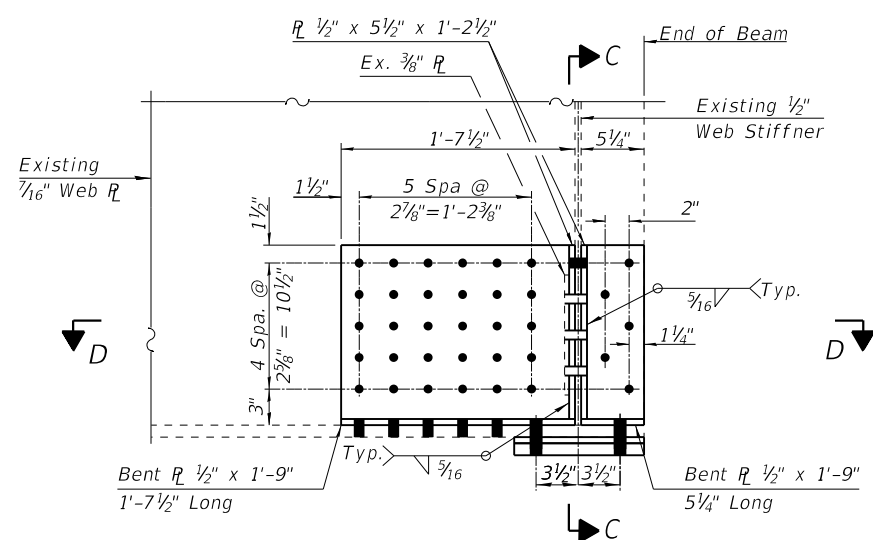
(Looking East)
(Cost included with Structural Steel Repair)



SECTION A-A

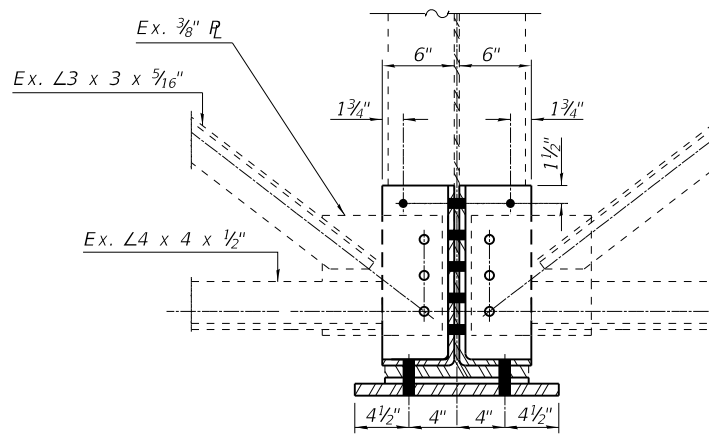


SECTION B-B

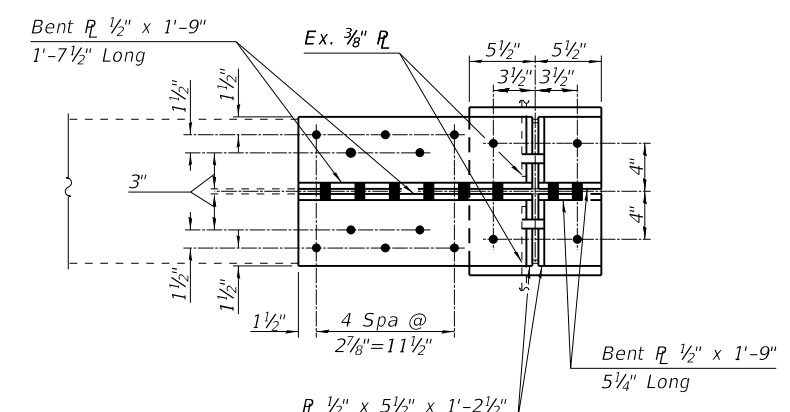


REPAIR "B" (BEAM 2 - SOUTH ABUTMENT)

(Looking East)
(Cost included with Structural Steel Repair)



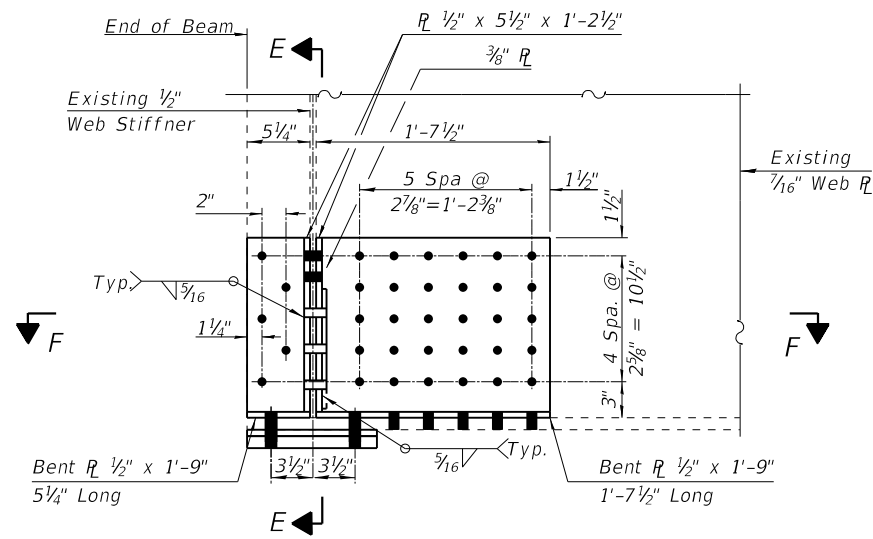
SECTION C-C



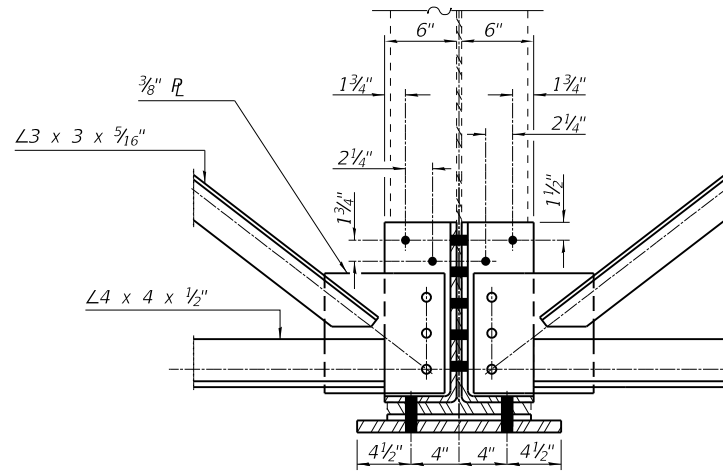
SECTION D-D

(Sheet 1 of 2)

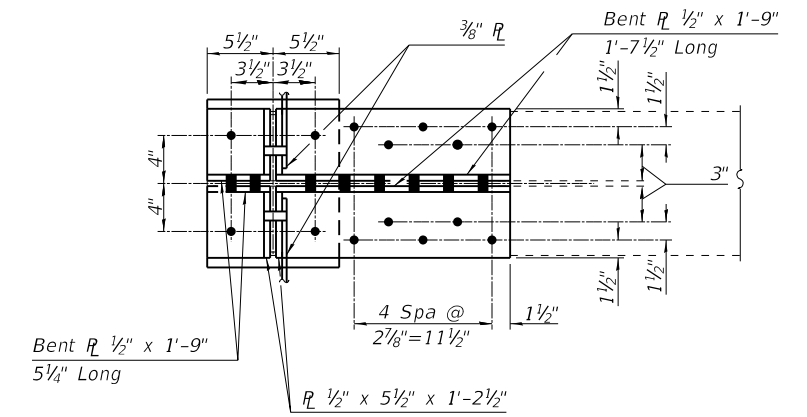
FILE NAME = 028-Steel Repairs NB BACON FARMER WORKMAN ENGINEERING & TESTING, INC. 	USER NAME = PLOT SCALE = PLOT DATE = 1/6/2020	DESIGNED - CMV CHECKED - GBR DRAWN - BJV CHECKED - CMV	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL STEEL REPAIRS STRUCTURE NO. 068-0049 (NB) SHEET NO. 28 OF 40 SHEETS	F.A.I. RE. = 55	SECTION = 68-1,3 RS-3, 68-2 RS-5)BR	COUNTY = MONTGOMERY	TOTAL SHEETS = 307	SHEET NO. = 207
						CONTRACT NO. 72D31 ILLINOIS FED. AID PROJECT				



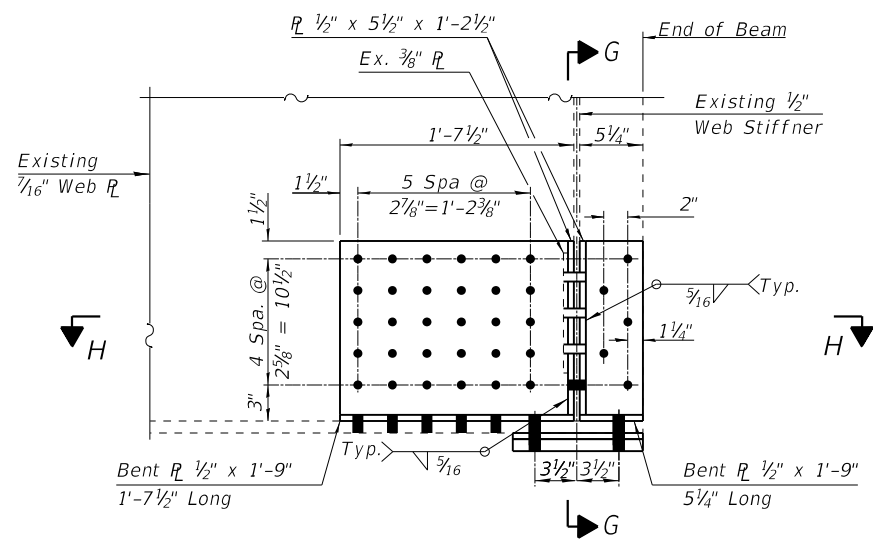
REPAIR "C" (BEAM 4 - NORTH ABUTMENT)
(Looking East)
(Cost included with Structural Steel Repair)



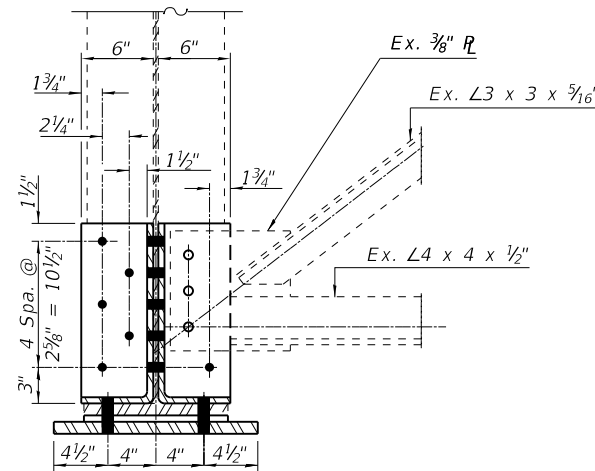
SECTION E-E



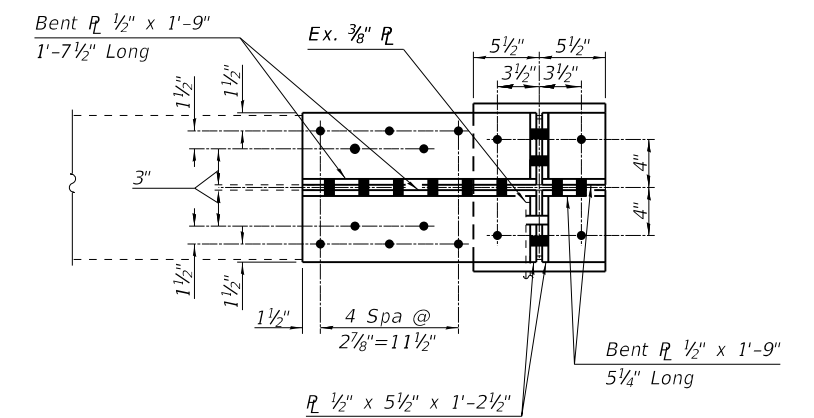
SECTION D-D



REPAIR "D" (BEAM 6 - SOUTH ABUTMENT)
(Looking East)
(Cost included with Structural Steel Repair)



SECTION G-G



SECTION H-H

BILL OF MATERIAL (068-0049)

Item	Unit	Total
Structural Steel Removal	Pound	850
Structural Steel Repair	Pound	910
Furnishing and Erecting Structural Steel	Pound	850

(Sheet 2 of 2)

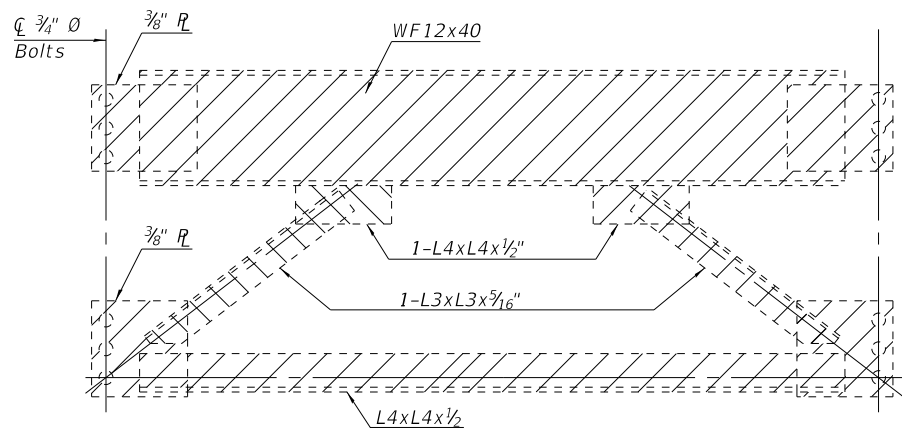
FILE NAME = 029-Steel Repairs NB 2	USER NAME =	DESIGNED - CMV	REVISED -
BACON FARMER WORKMAN ENGINEERING & TESTING, INC.		CHECKED - GBR	REVISED -
403 NORTH COURT STREET NORTON, ILLINOIS 60454 PHONE - 630.987.9100	PLOT SCALE =	DRAWN - BJV	REVISED -
	PLOT DATE = 1/6/2020	CHECKED - CMV	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL STEEL REPAIRS
STRUCTURE NO. 068-0049 (NB)**

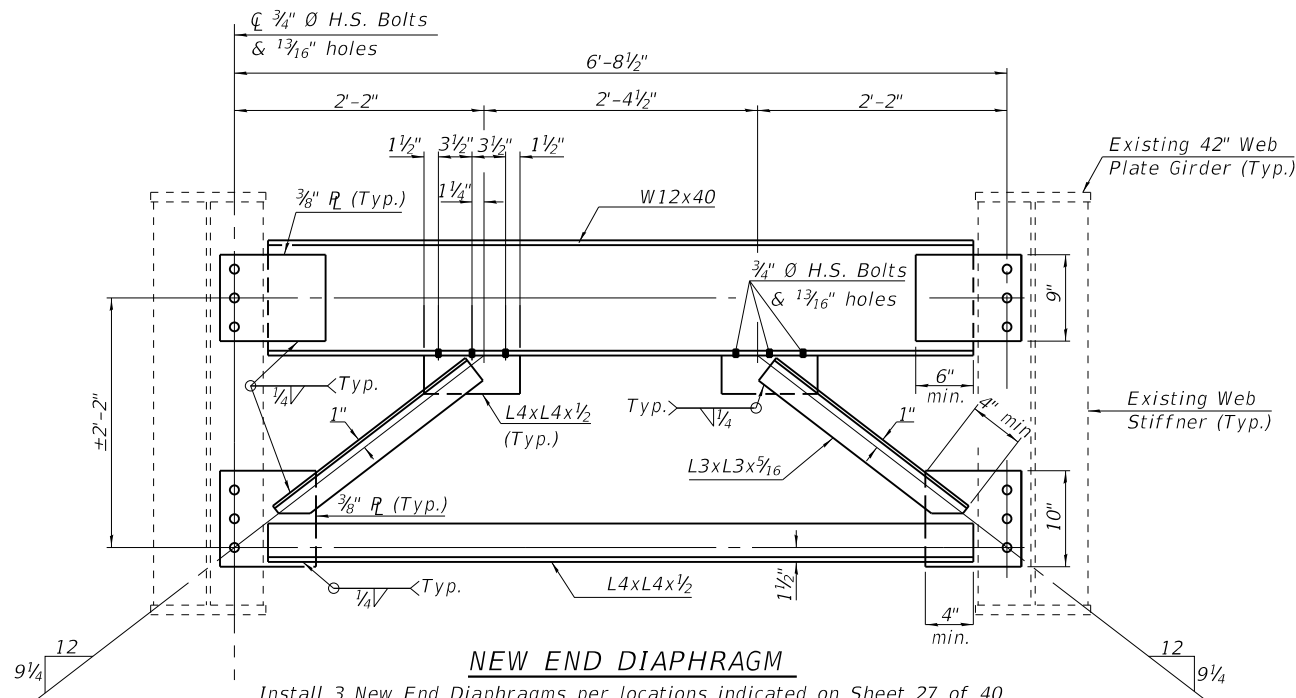
SHEET NO. 29 OF 40 SHEETS

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	68-1,3 RS-3, 68-2 RS-5)BR	MONTGOMERY	307	208
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	



EXISTING DIAPHRAGM REMOVAL DETAIL

Remove 3 End Diaphragms and discard as shown on Sheet 27 of 40.
(Cost included with Structural Steel Removal)



NEW END DIAPHRAGM

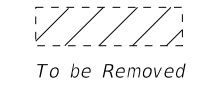
Install 3 New End Diaphragms per locations indicated on Sheet 27 of 40.
(Cost included with Furnishing and Erecting Structural Steel)

BOLT HOLE LEGEND

- - Field drill using existing steel as template
- - Shop drill holes in new steel and field drill holes in existing steel using new steel as template

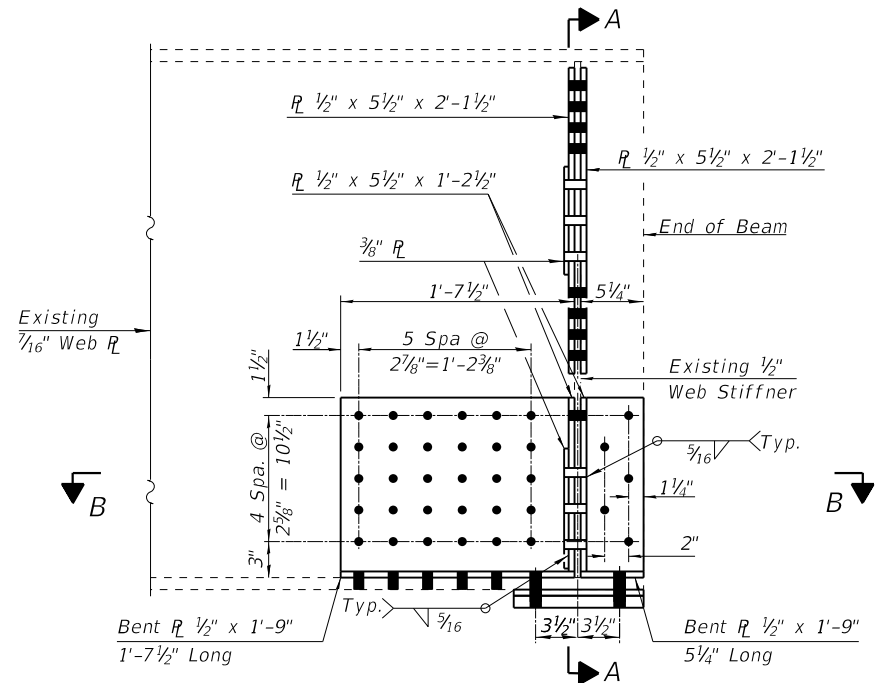
Note:
Two hardened washers required for each diaphragm connection.

LEGEND



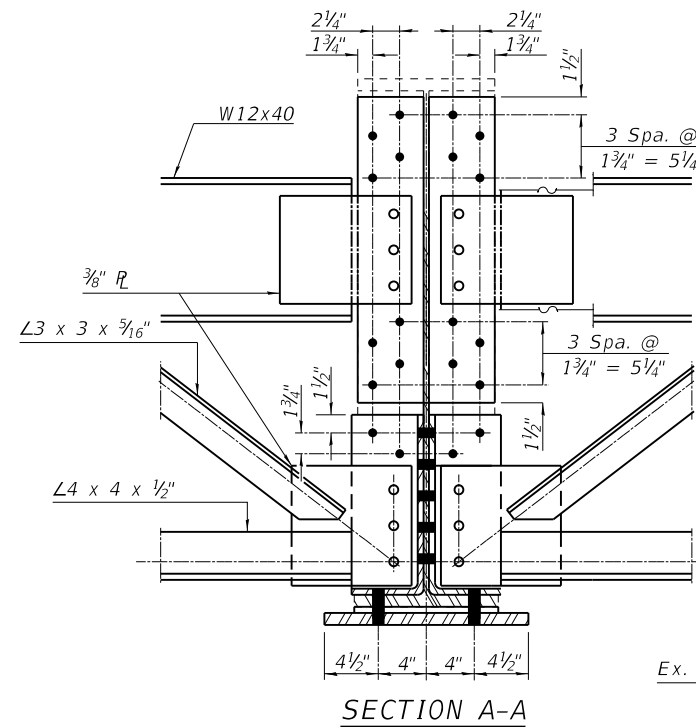
BILL OF MATERIAL (068-0048)

Item	Unit	Total
Structural Steel Removal	Pound	1270
Structural Steel Repair	Pound	550
Furnishing and Erecting Structural Steel	Pound	1270

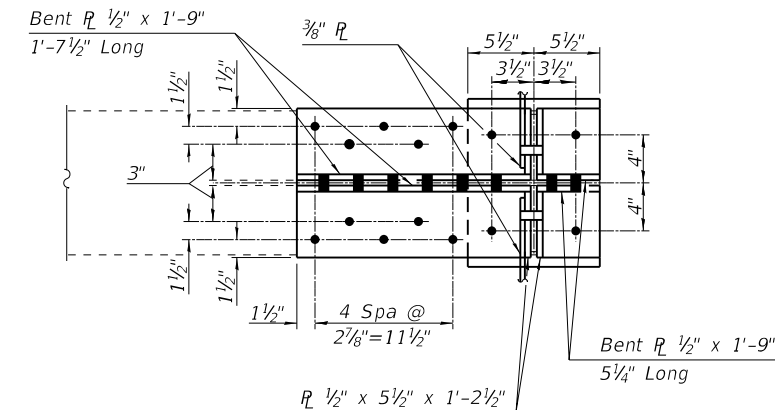


REPAIR "E" (BEAM 4 - SOUTH ABUTMENT)

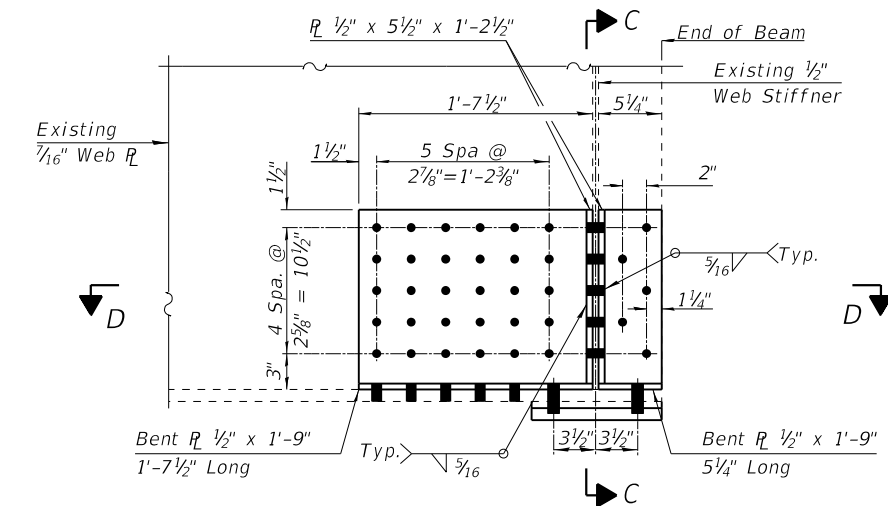
(Looking East - Cost included with Structural Steel Repair)



SECTION A-A

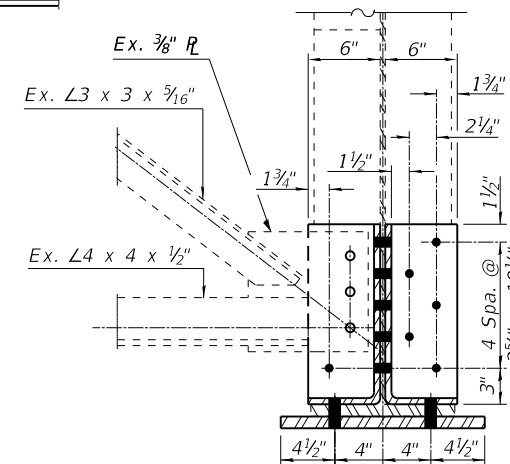


SECTION B-B

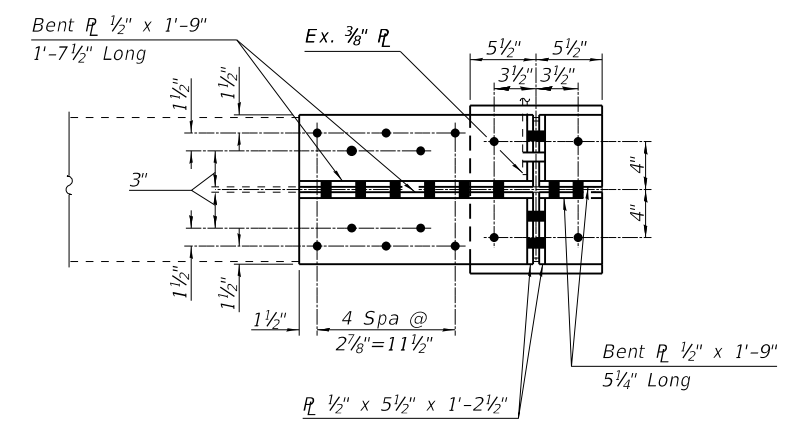


REPAIR "F" (BEAM 6 - SOUTH ABUTMENT)

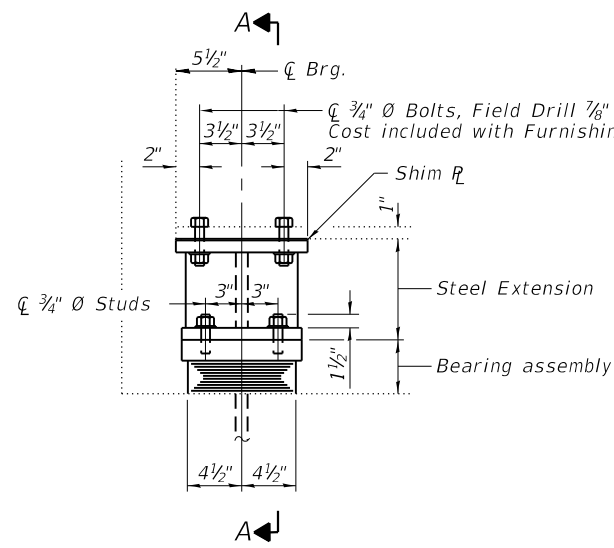
(Looking East - Cost included with Structural Steel Repair)



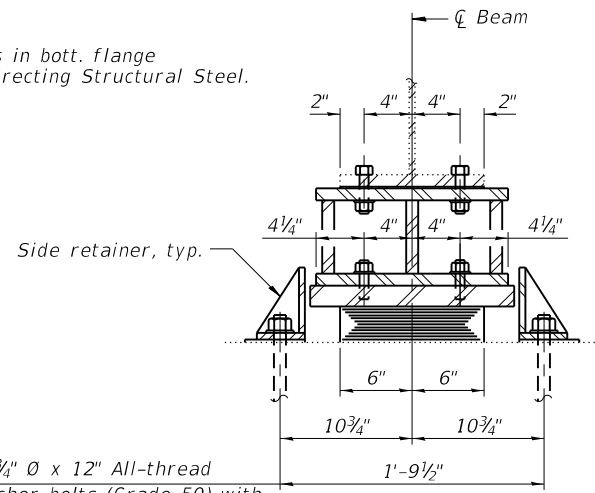
SECTION C-C



SECTION D-D

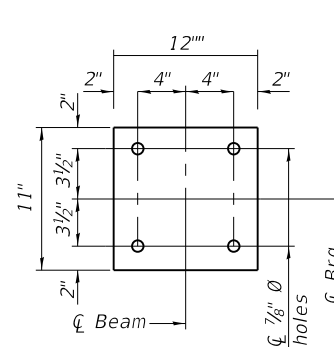


ELEVATION AT ABUT.

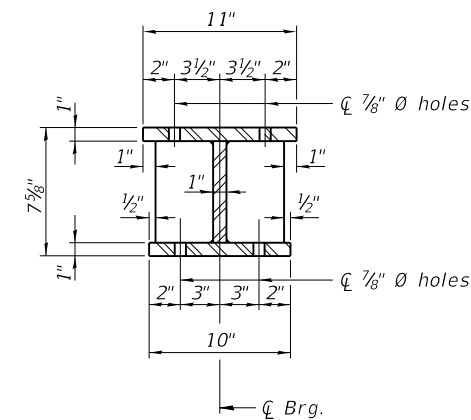


SECTION A-A

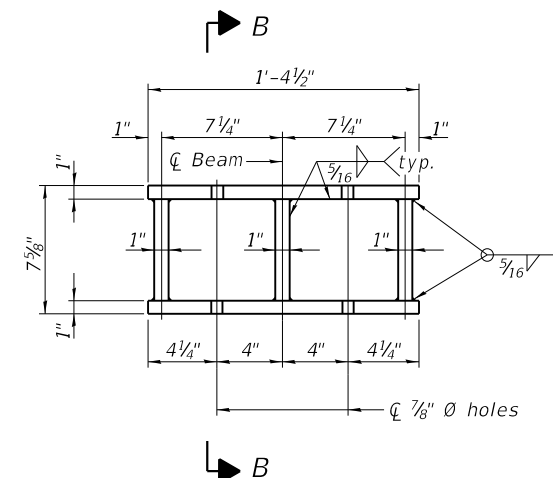
3/4" Ø x 12" All-thread anchor bolts (Grade 50) with 2" x 2" x 3/16" R washer under nut.



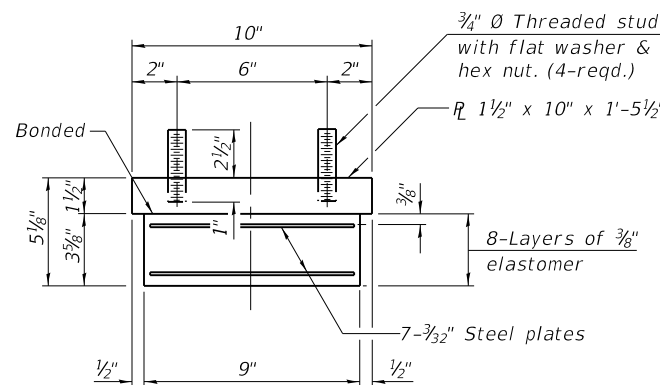
SHIM PLATE DETAIL



SECTION B-B



ELEVATION



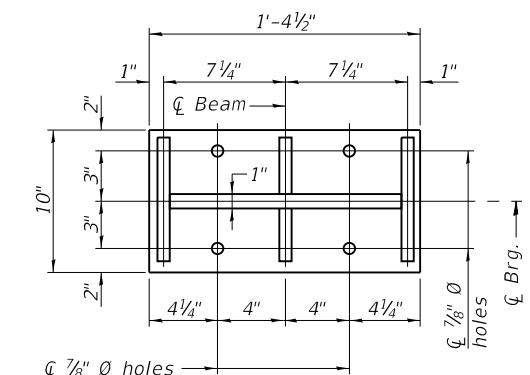
BEARING ASSEMBLY

Note:
Existing bearing stiffener plates and proposed beam end repairs not shown for clarity. See Sheet 28 to 30 of 40 for beam end repair details.

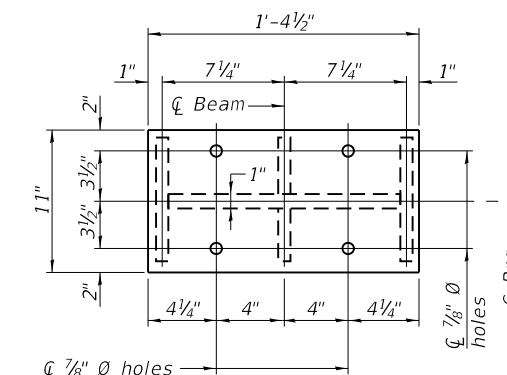
BEARING SHIM PLATES AT NORTH ABUTMENTS

	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6
S.N. 068-0048 (SB)	1"	1 1/4"	1/2"	-	3/8"	1/8"
S.N. 068-0049 (NB)	3/8"	7/8"	3/8"	1 1/4"	1/2"	1/2"

TYPE I ELASTOMERIC EXP. BRG. AT NORTH ABUTMENTS
(6 Required - S.N. 068-0048 (SB) & 6 Required - S.N. 068-0049 (NB))



BOTTOM. - PLAN STEEL EXTENSION

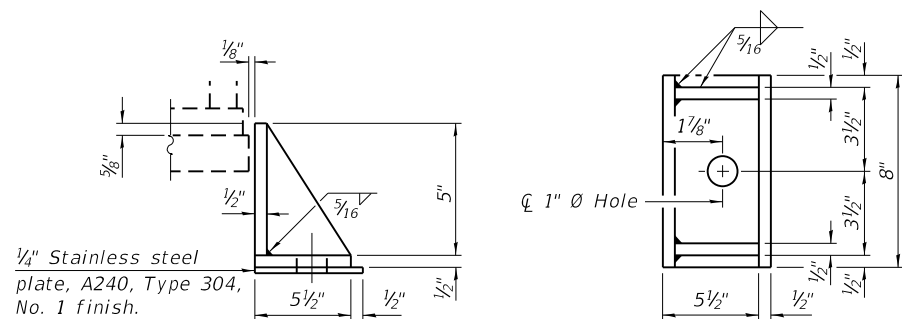


TOP - PLAN STEEL EXTENSION

STEEL EXTENSIONS AT NORTH ABUTMENTS

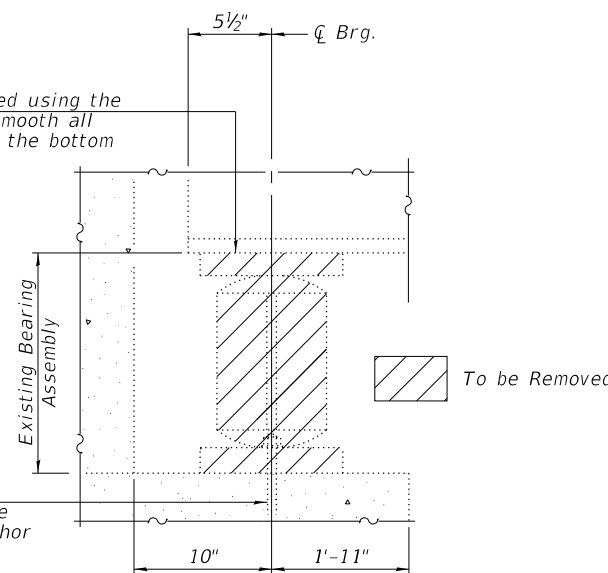
(6 Required - S.N. 068-0048 (SB) & 6 Required - S.N. 068-0049 (NB))

Notes:
The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
Shim plates shall not be placed under bearing assembly. Shim plates shall be placed on top of Steel Extension.
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.
Cost of plates and fasteners for Steel Extensions, and shim plates is included with Furnishing and Erecting Structural Steel.
Prior to ordering any material, the Contractor shall verify in the field all Steel Extension, and shim thickness dimensions.
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
Minimum jack capacity per bearing = 5 Tons (weight of steel only)



SIDE RETAINER
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

Existing Plate to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange.

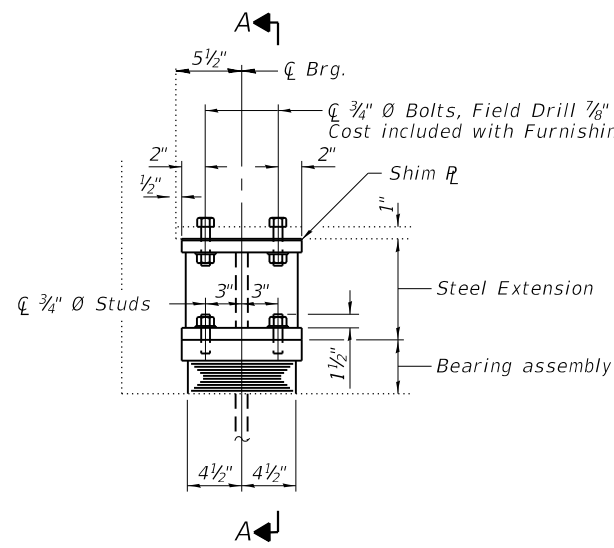


EXISTING BEARING REMOVAL DETAIL
(Cost is included with Jack and Remove Existing Bearings)

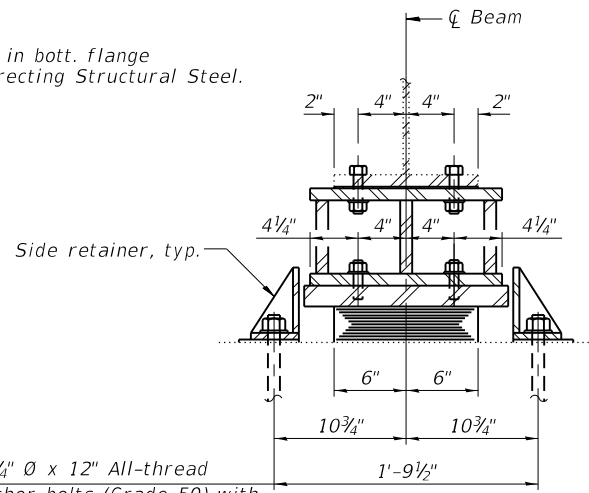
Burn existing anchor bolts flush with existing concrete surface. Grind existing anchor bolts smooth and seal with epoxy.

BILL OF MATERIAL (TWO ABUTMENTS)

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	2390
Elastomeric Bearing Assembly Type I	Each	12
Anchor Bolts, 3/4"	Each	24
Jack and Remove Existing Bearings	Each	12

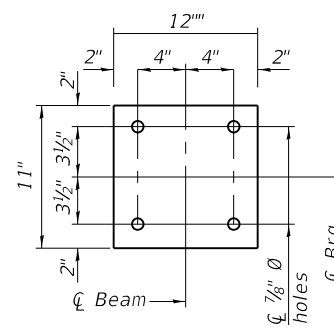


ELEVATION AT ABUT.

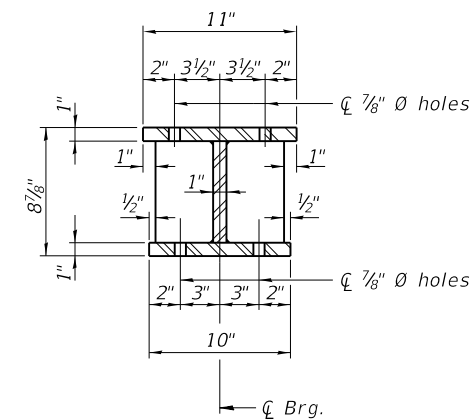


SECTION A-A

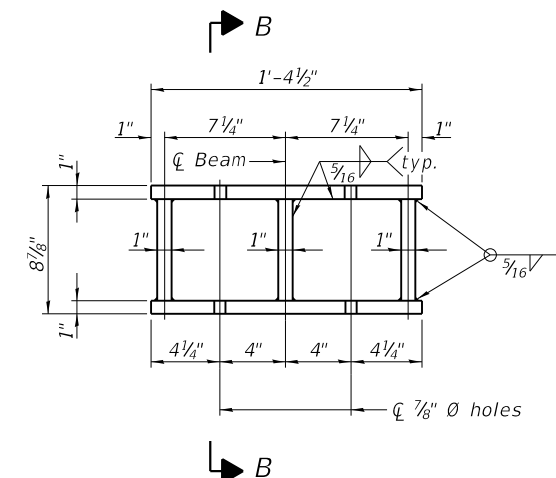
C 3/4" Ø x 12" All-thread anchor bolts (Grade 50) with 2" x 2" x 3/16" R washer under nut.



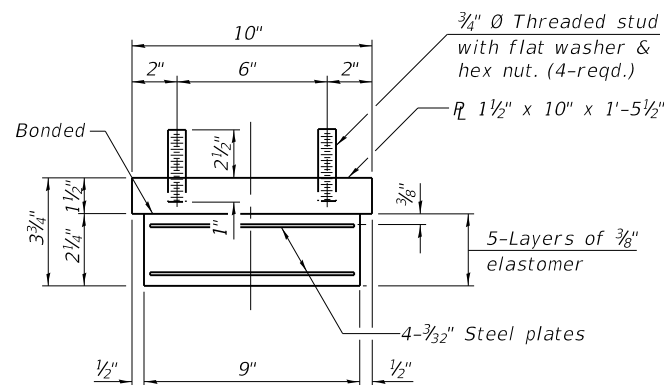
SHIM PLATE DETAIL



SECTION B-B



ELEVATION



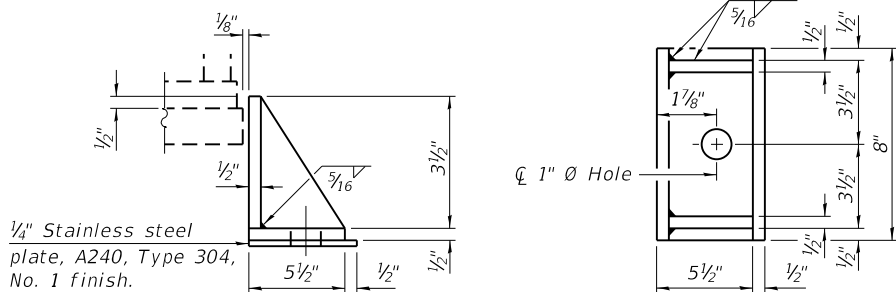
BEARING ASSEMBLY

Note:
Existing bearing stiffener plates and proposed beam end repairs not shown for clarity.
See Sheet 28 & 30 of 40 for beam end repair details.

BEARING SHIM PLATES AT SOUTH ABUTMENTS

	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6
S.N. 068-0048 (SB)	3/4"	7/8"	7/8"	3/8"	3/8"	1/2"
S.N. 068-0049 (NB)	-	1/2"	5/8"	3/4"	1/2"	7/8"

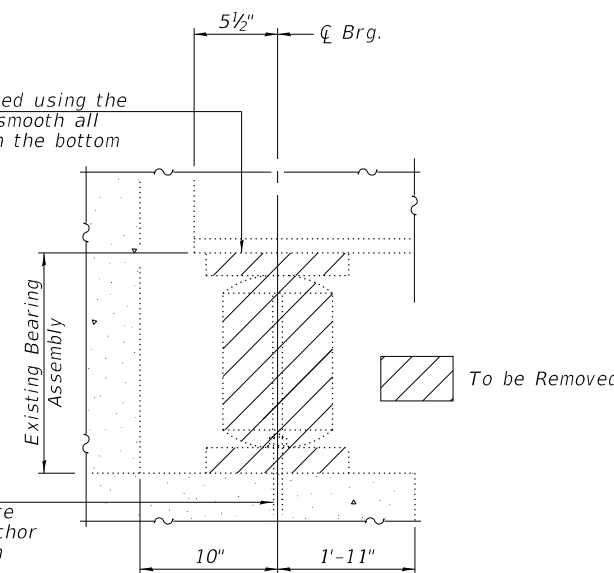
TYPE I ELASTOMERIC EXP. BRG. AT SOUTH ABUTMENTS
(6 Required - S.N. 068-0048 (SB) & 6 Required - S.N. 068-0049 (NB))



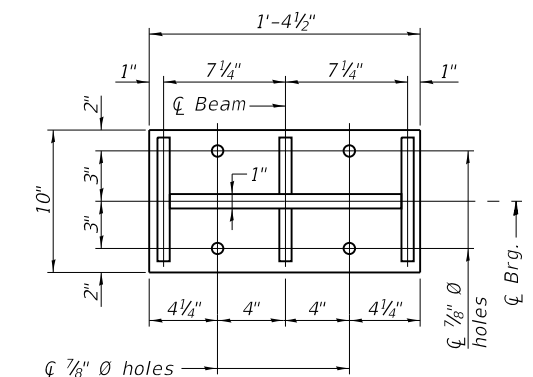
SIDE RETAINER
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

Existing Plate to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange.

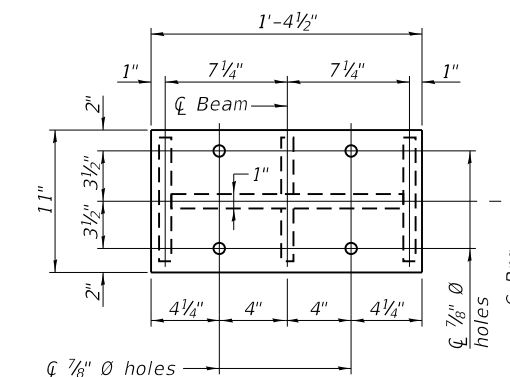
Burn existing anchor bolts flush with existing concrete surface. Grind existing anchor bolts smooth and seal with epoxy.



EXISTING BEARING REMOVAL DETAIL
(Cost is included with Jack and Remove Existing Bearings)



BOTTOM. - PLAN STEEL EXTENSION



TOP - PLAN STEEL EXTENSION

STEEL EXTENSIONS AT SOUTH ABUTMENTS

(6 Required - S.N. 068-0048 (SB) & 6 Required - S.N. 068-0049 (NB))

Notes:
The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
Shim plates shall not be placed under bearing assembly. Shim plates shall be placed on top of Steel Extension.
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.
Cost of plates and fasteners for Steel Extensions, and shim plates is included with Furnishing and Erecting Structural Steel.
Prior to ordering any material, the Contractor shall verify in the field all Steel Extension, and shim thickness dimensions.
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
Minimum jack capacity per bearing = 5 Tons (weight of steel only)

BILL OF MATERIAL (TWO ABUTMENTS)

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	2510
Elastomeric Bearing Assembly Type I	Each	12
Anchor Bolts, 3/4"	Each	24
Jack and Remove Existing Bearings	Each	12

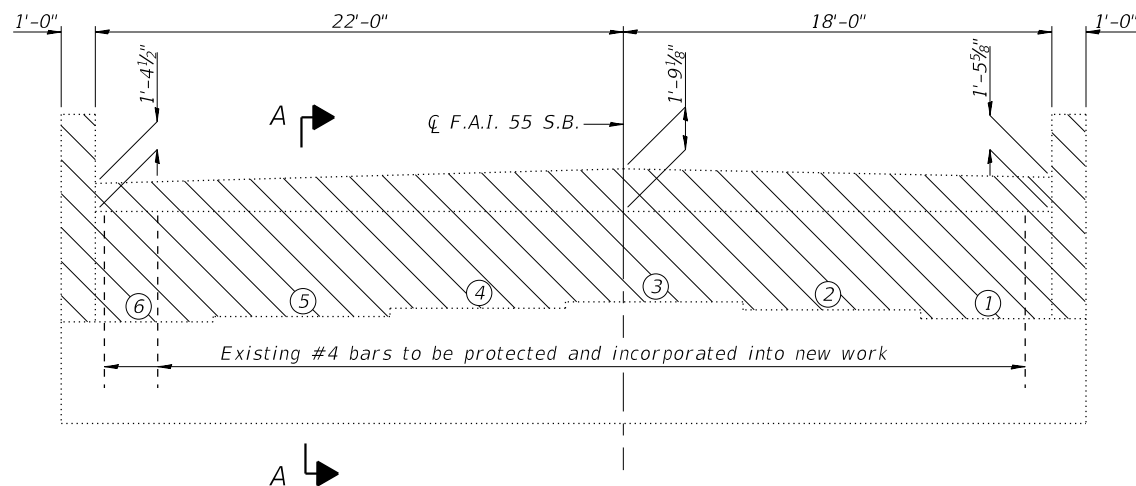
FILE NAME = 032-Bearing Details South Abutment	USER NAME =	DESIGNED - CMV	REVISED -
BACON FARMER WORKMAN ENGINEERING & TESTING, INC.	PLOT SCALE =	CHECKED - GBR	REVISED -
BFW	PLOT DATE = 1/6/2020	DRAWN - BJV	REVISED -
		CHECKED - CMV	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

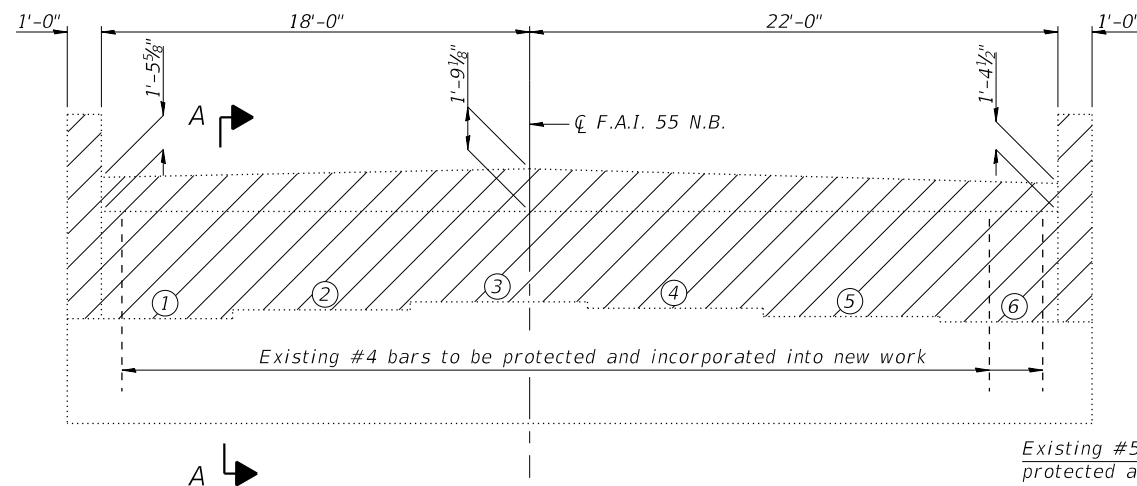
BEARING REPLACEMENT DETAILS AT SOUTH ABUTMENTS
STRUCTURE NO. 068-0048 (SB) & 068-0049 (NB)

SHEET NO. 32 OF 40 SHEETS

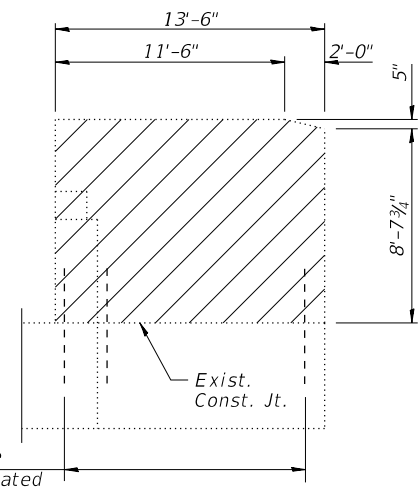
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	68-1,3 RS-3, 68-2 RS-5)BR	MONTGOMERY	307	211
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	



ELEVATION - NORTH ABUTMENT (S.B.)
(Looking North)
(South Abutment (S.B.) Similar)



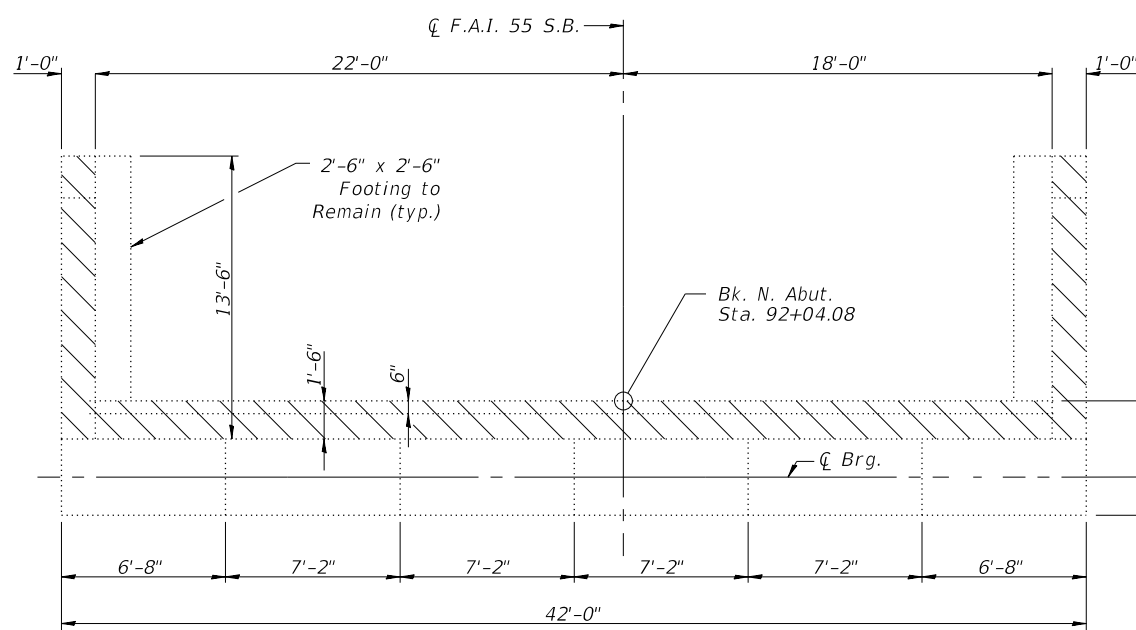
ELEVATION - NORTH ABUTMENT (N.B.)
(Looking North)
(South Abutment (N.B.) Similar)



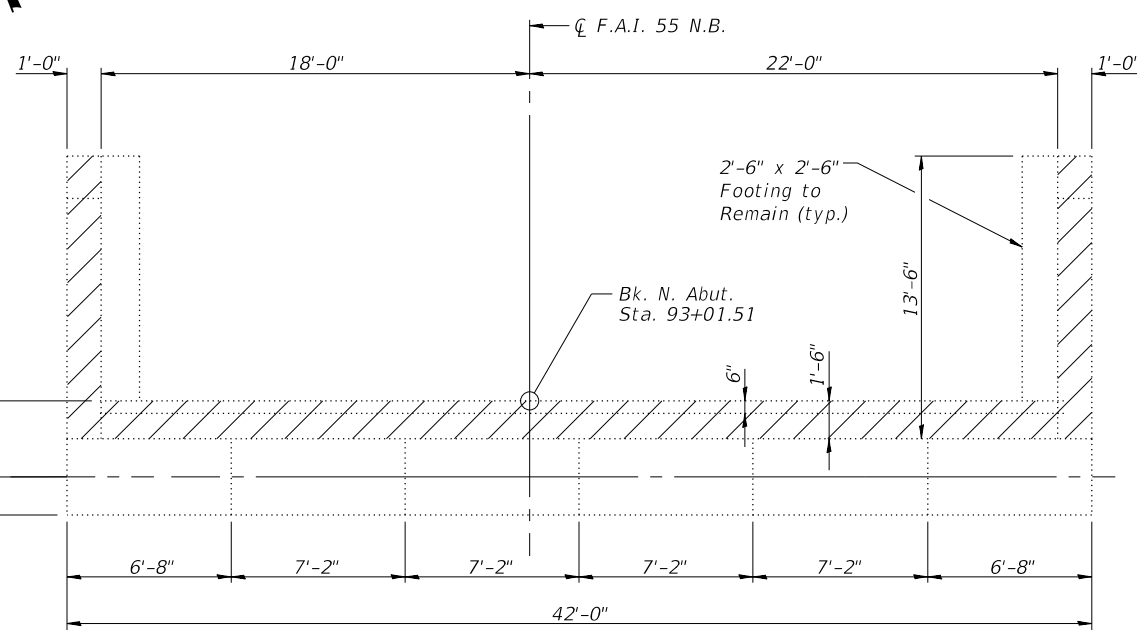
SIDE ELEVATION

LEGEND

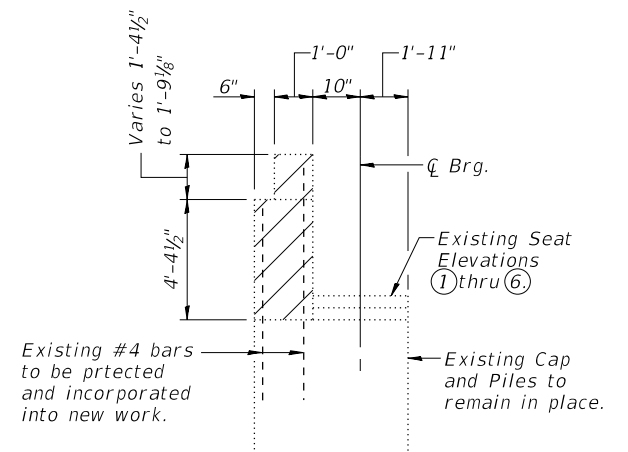
Concrete to be Removed



PLAN - NORTH ABUTMENT (S.B.)
(South Abutment Similar)



PLAN - NORTH ABUTMENT (N.B.)
(South Abutment Similar)



SECTION A-A

EXIST. BEARING SEAT ELEVATIONS
(Southbound Bridge)

Beam No.	N. Abut.	S. Abut.
1	695.45	696.17
2	695.59	696.36
3	695.73	696.45
4	695.68	696.37
5	695.53	696.25
6	695.39	696.11

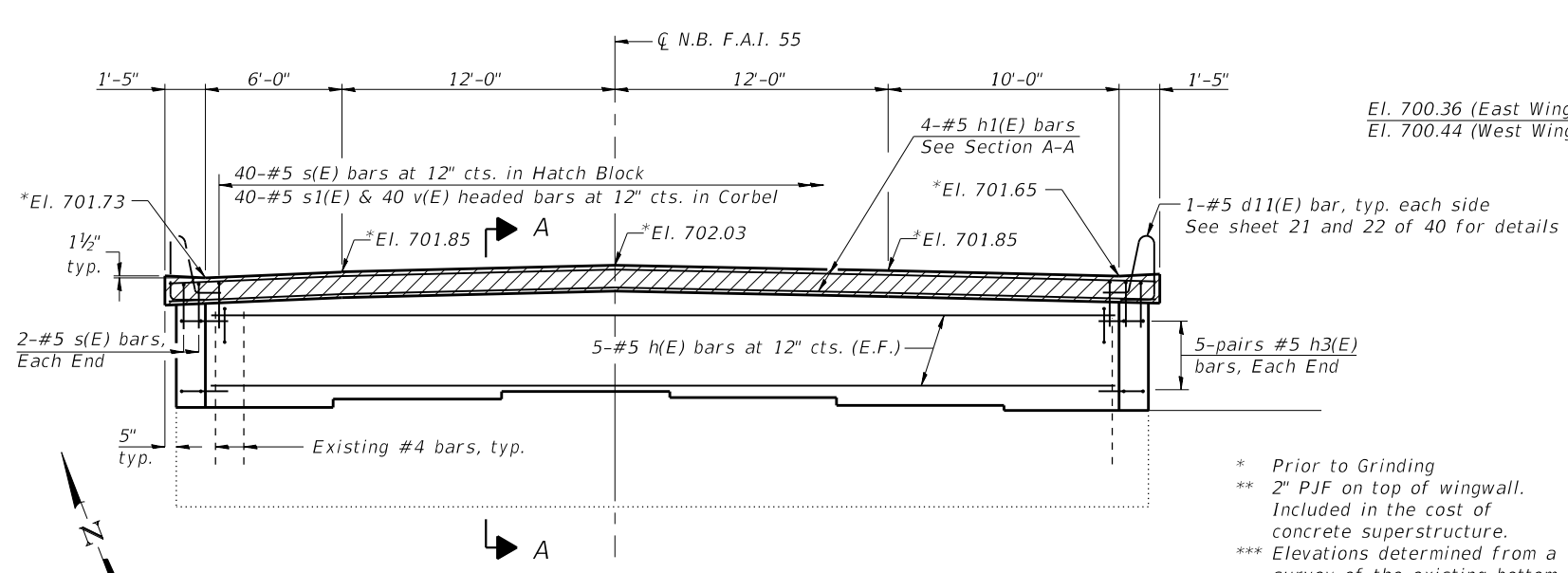
Notes:
Plan elevations relative to the existing bearing seats were determined by using the most recent survey data and recorded field measurements. Measurements were taken from the bottom of the existing beam flanges to the existing bearing seats to determine these elevations.

EXIST. BEARING SEAT ELEVATIONS
(Northbound Bridge)

Beam No.	N. Abut.	S. Abut.
1	695.95	696.26
2	696.06	696.35
3	696.17	696.45
4	696.09	696.41
5	695.94	696.29
6	695.80	696.13

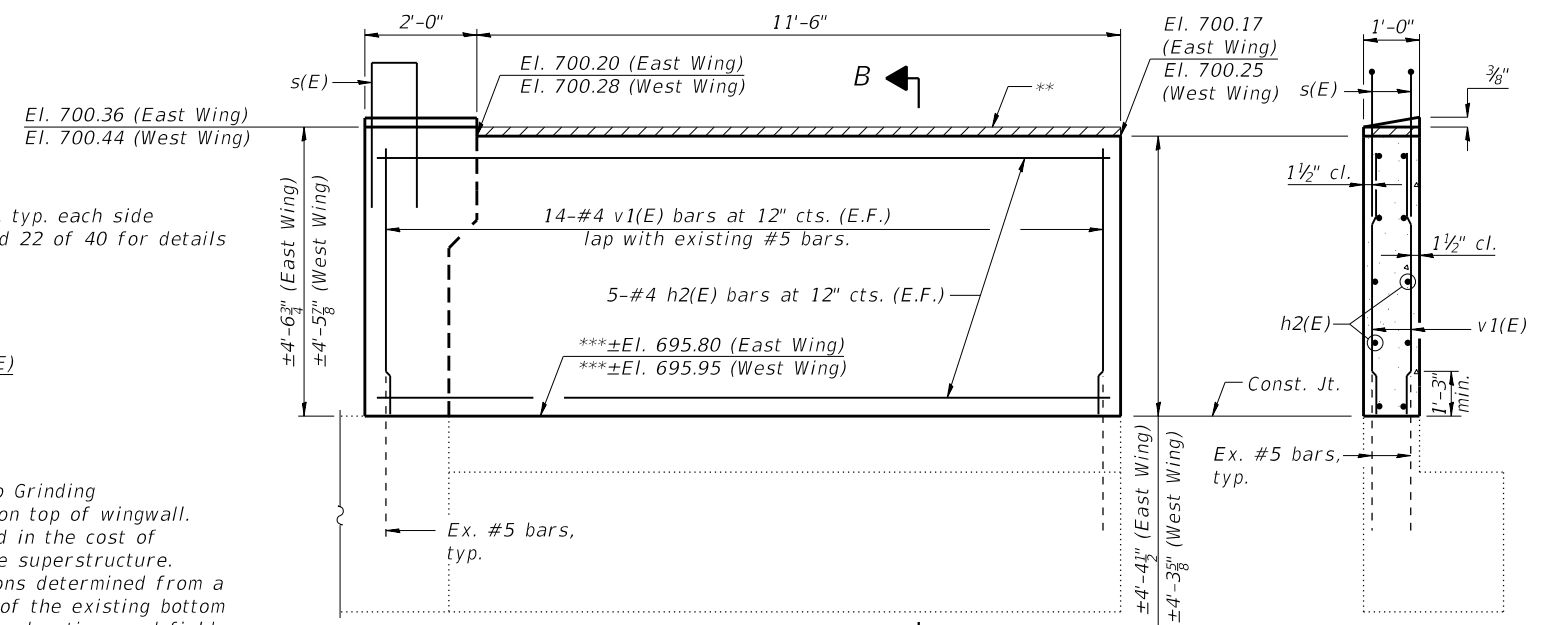
BILL OF MATERIAL (BOTH STRUCTURES)

Item	Unit	Total
Concrete Removal	Cu. Yd.	84.4



ELEVATION - PROPOSED NORTH ABUTMENT
(Looking North)

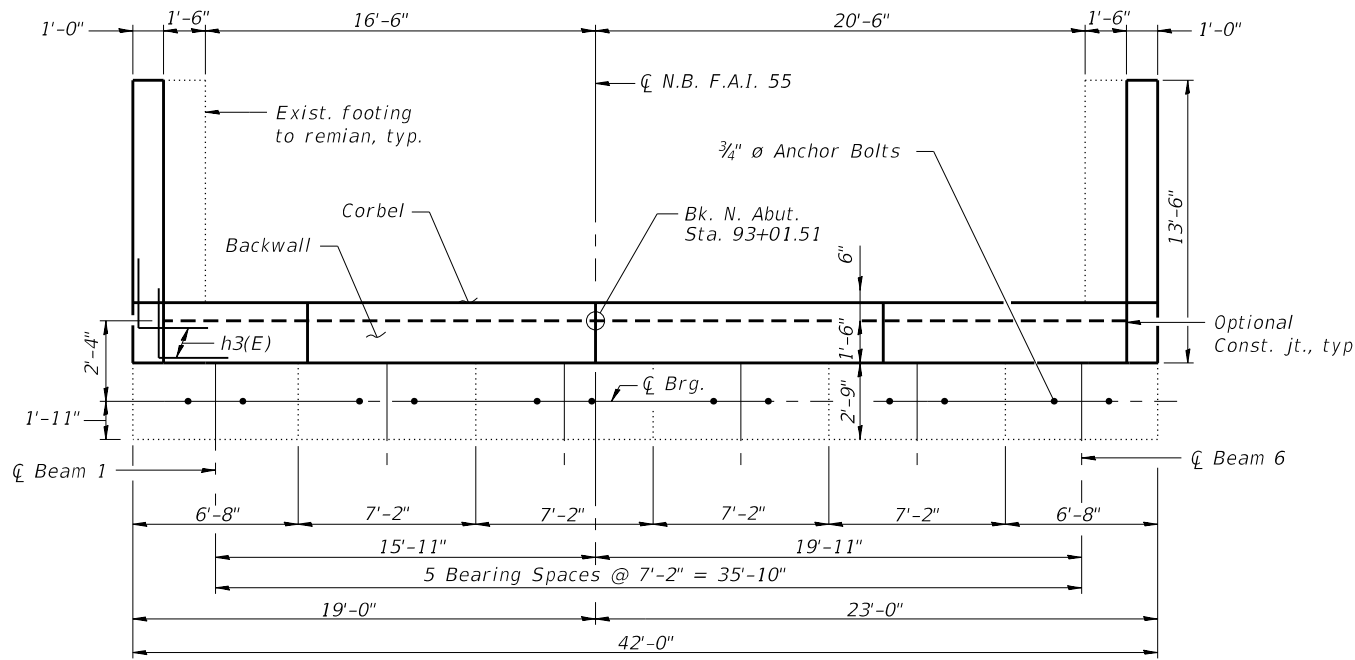
* Prior to Grinding
 ** 2" PJF on top of wingwall. Included in the cost of concrete superstructure.
 *** Elevations determined from a survey of the existing bottom of beam elevations and field measurements of the existing bearing heights.



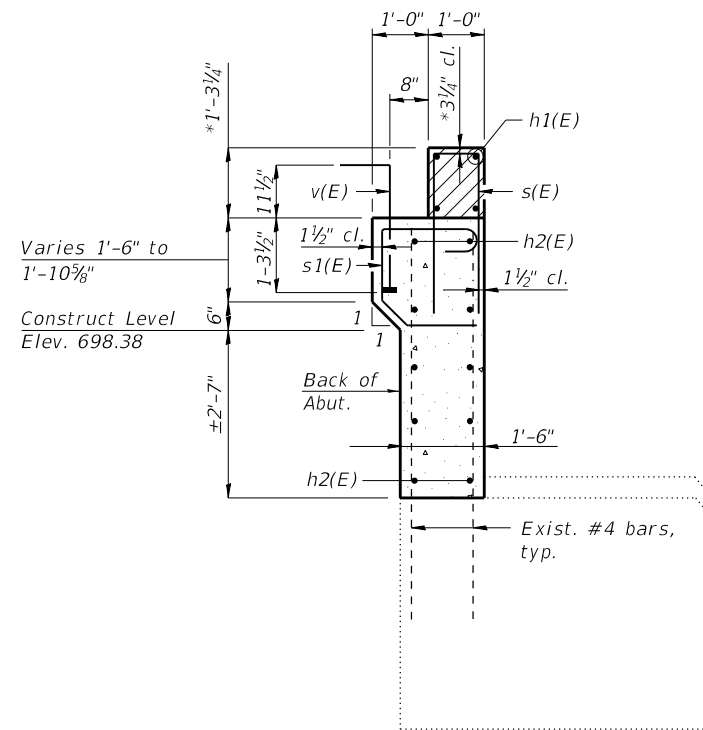
SIDE ELEVATION

SECTION B-B

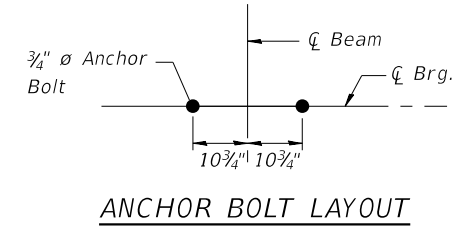
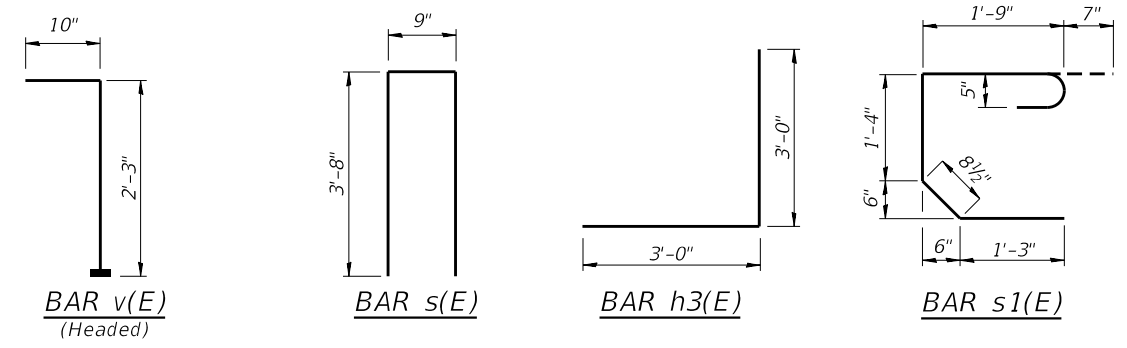
Varies ±4'-4 3/4" to ±4'-4 1/2" (East Wing)
 Varies ±4'-4" to ±4'-3 3/8" (West Wing)



PLAN - PROPOSED NORTH ABUTMENT
(Hatch Block not shown for clarity)



SECTION A-A

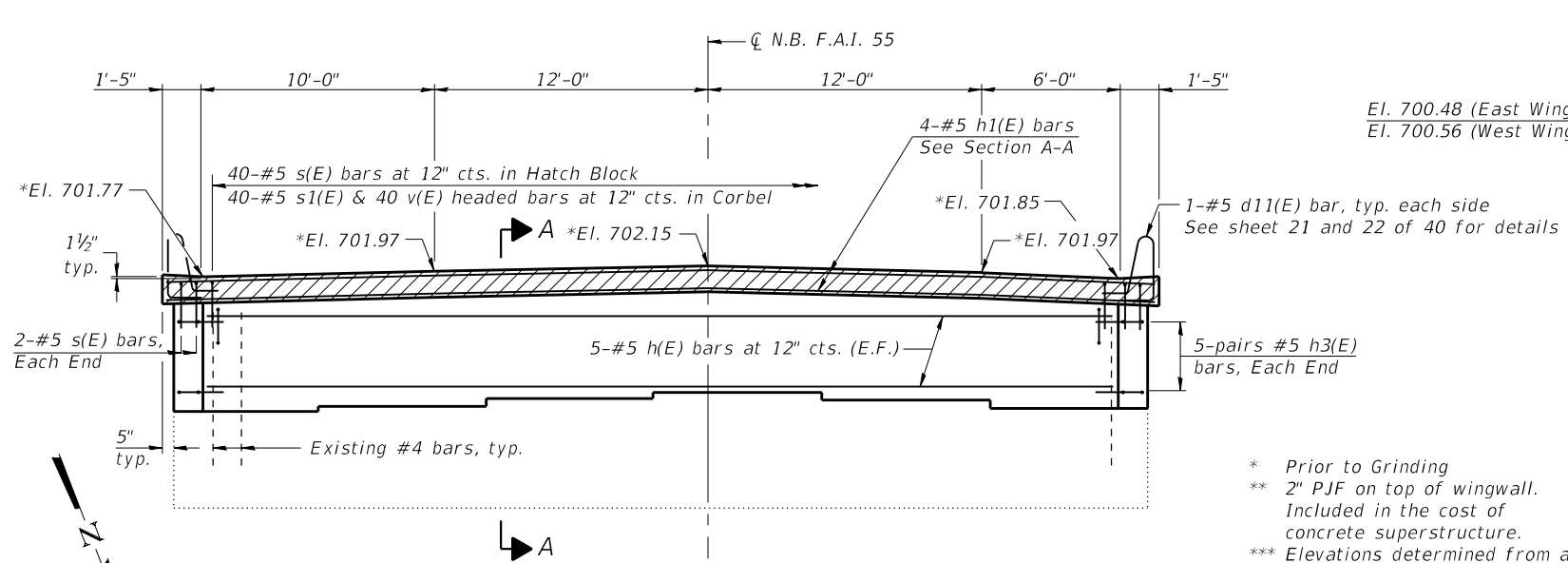


ANCHOR BOLT LAYOUT

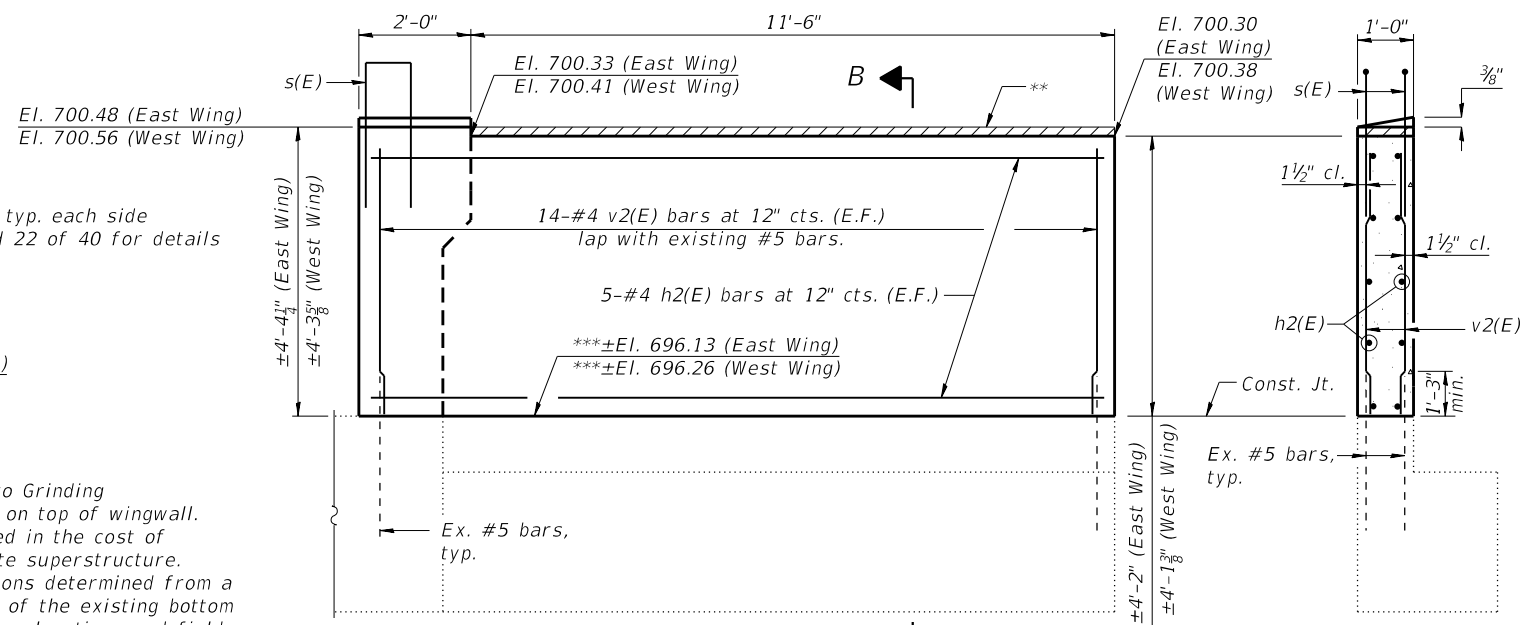
**NORTH ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	10	#5	39'-8"	—
h1(E)	4	#5	42'-6"	—
h2(E)	20	#4	13'-2"	—
h3(E)	20	#5	6'-0"	J
s(E)	44	#5	8'-1"	U
s1(E)	40	#5	5'-8"	C
v(E)	40	#5	3'-1"	┘
v1(E)	56	#4	4'-1"	—
Concrete Structures	Cu. Yd.		16.5	
Reinforcement Bars, Epoxy Coated	Pound		1780	
Structure Excavation	Cu. Yd.		96.0	
Concrete Sealer	Sq. Ft.		193	

Notes:
 Hatched area to be poured after superstructure false work has been removed, quantity of concrete included with Concrete Superstructure.
 Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
 Concrete Sealer shall be applied to front face of backwall.



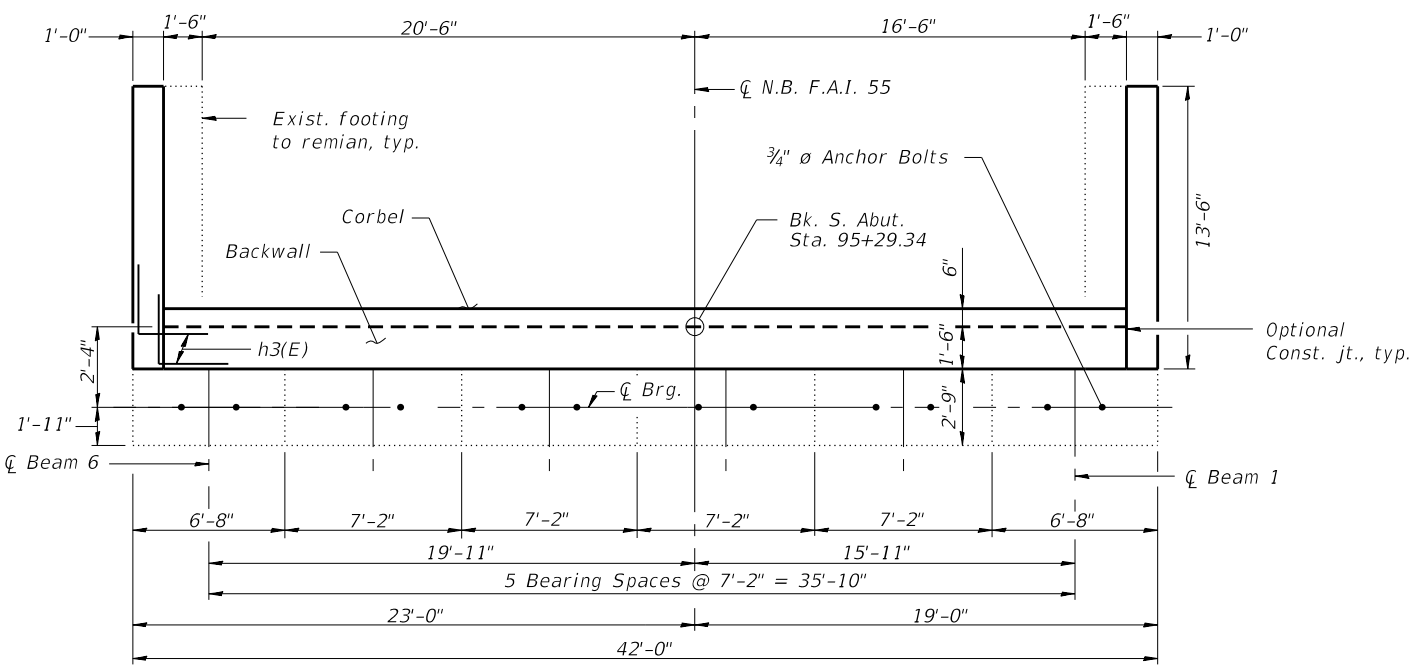
ELEVATION - PROPOSED SOUTH ABUTMENT
(Looking South)



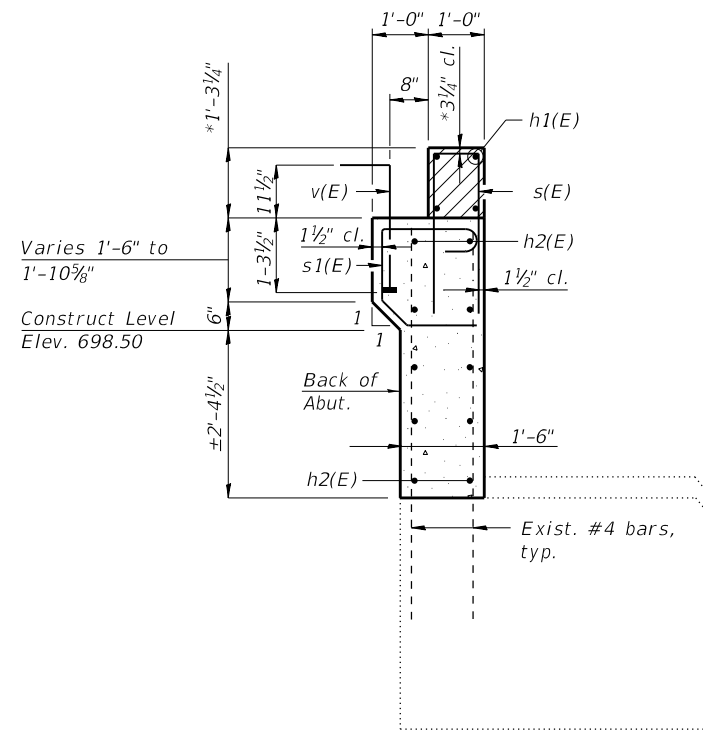
SIDE ELEVATION

SECTION B-B

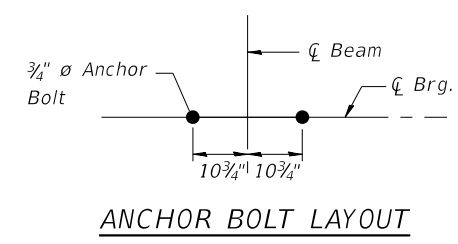
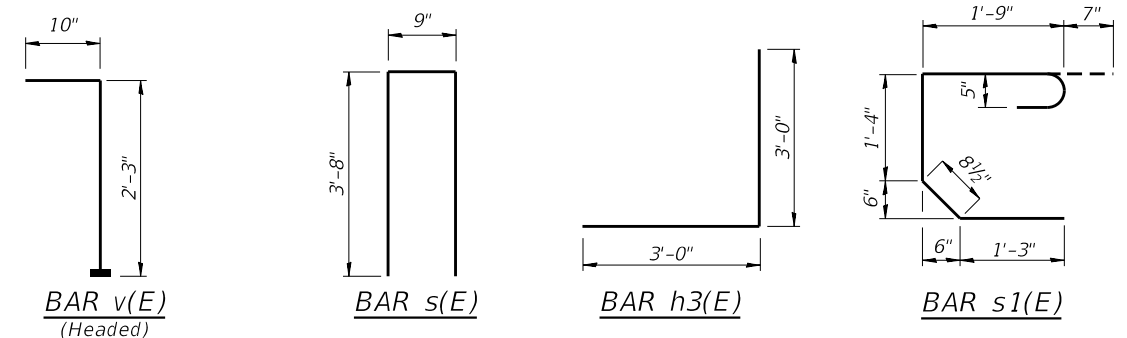
* Prior to Grinding
 ** 2" PJF on top of wingwall. Included in the cost of concrete superstructure.
 *** Elevations determined from a survey of the existing bottom of beam elevations and field measurements of the existing bearing heights.



PLAN - PROPOSED SOUTH ABUTMENT
(Hatch Block not shown for clarity)



SECTION A-A

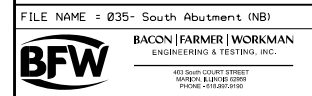


ANCHOR BOLT LAYOUT

**SOUTH ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	10	#5	39'-8"	—
h1(E)	4	#5	42'-6"	—
h2(E)	20	#4	13'-2"	—
h3(E)	20	#5	6'-0"	J
s(E)	44	#5	8'-1"	I
s1(E)	40	#5	5'-8"	C
v(E)	40	#5	3'-1"	└
v2(E)	56	#4	3'-11"	—
Concrete Structures		Cu. Yd.	15.9	
Reinforcement Bars, Epoxy Coated		Pound	1770	
Structure Excavation		Cu. Yd.	96.0	
Concrete Sealer		Sq. Ft.	185	

Notes:
 Hatched area to be poured after superstructure false work has been removed, quantity of concrete included with Concrete Superstructure.
 Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
 Concrete Sealer shall be applied to front face of backwall.

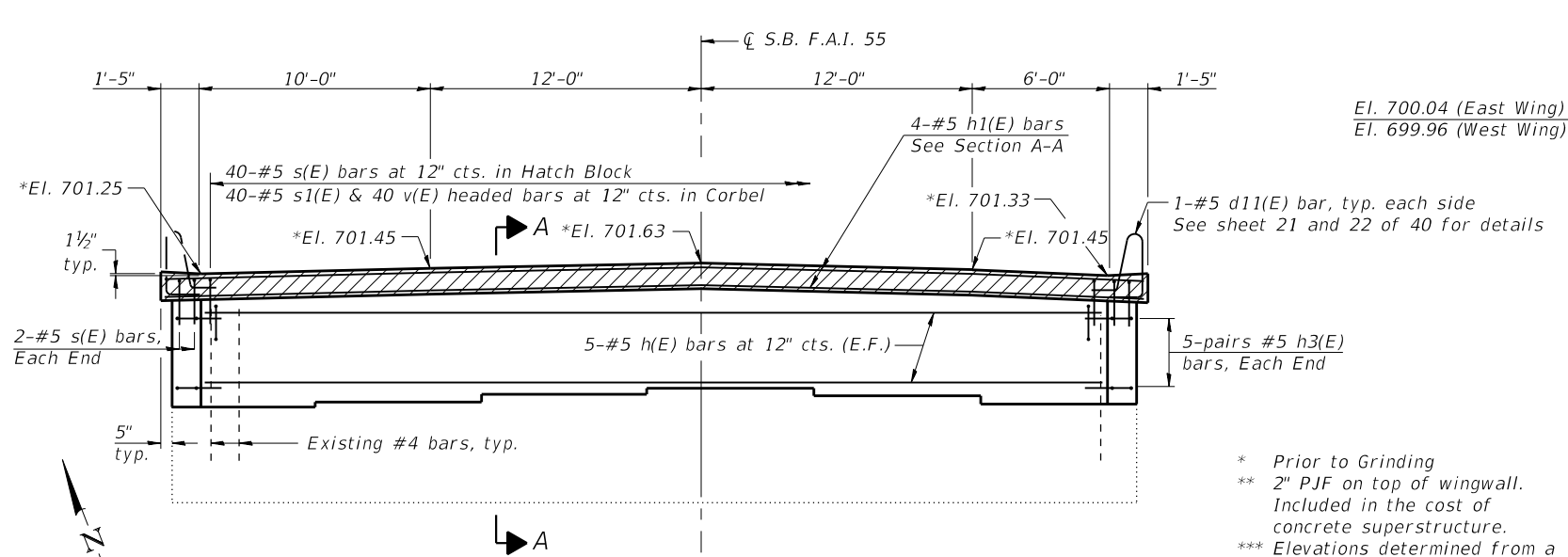


FILE NAME = 035- South Abutment (NB)	USER NAME =	DESIGNED - CMV	REVISED -
		CHECKED - GBR	REVISED -
	PLOT SCALE =	DRAWN - BJV	REVISED -
	PLOT DATE = 1/6/2020	CHECKED - GBR	REVISED -

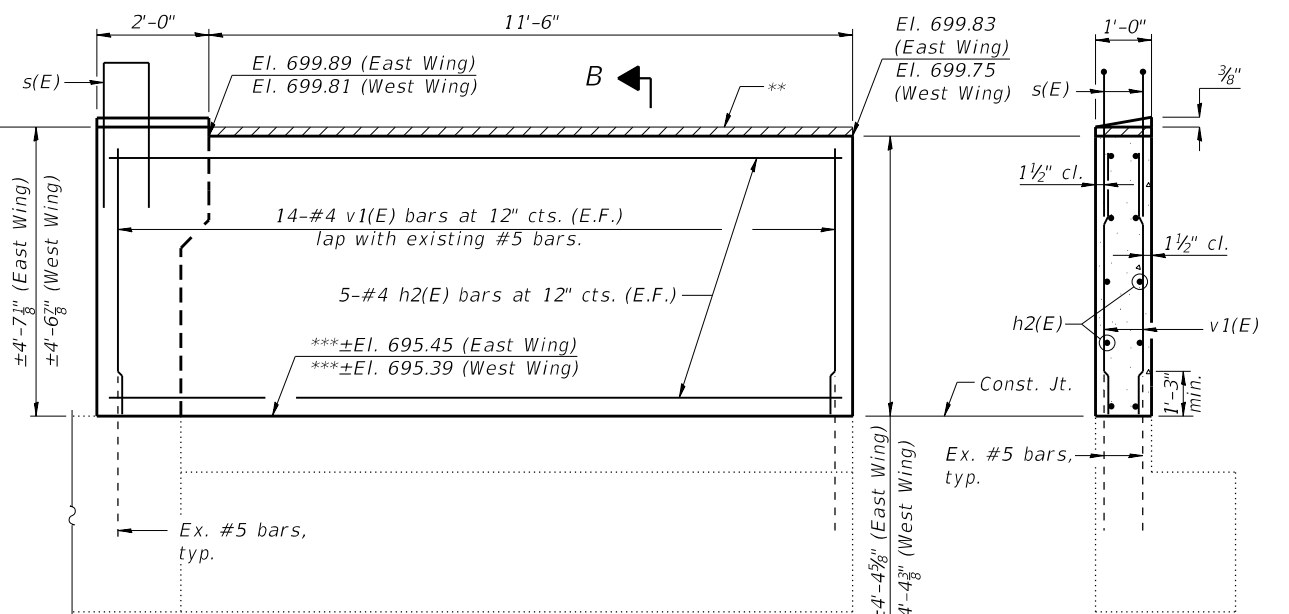
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH ABUTMENT
STRUCTURE NO. 068-0049**
SHEET NO. 35 OF 40 SHEETS

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	68-1,3 RS-3, 68-2 RS-5)BR	MONTGOMERY	307	214
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	



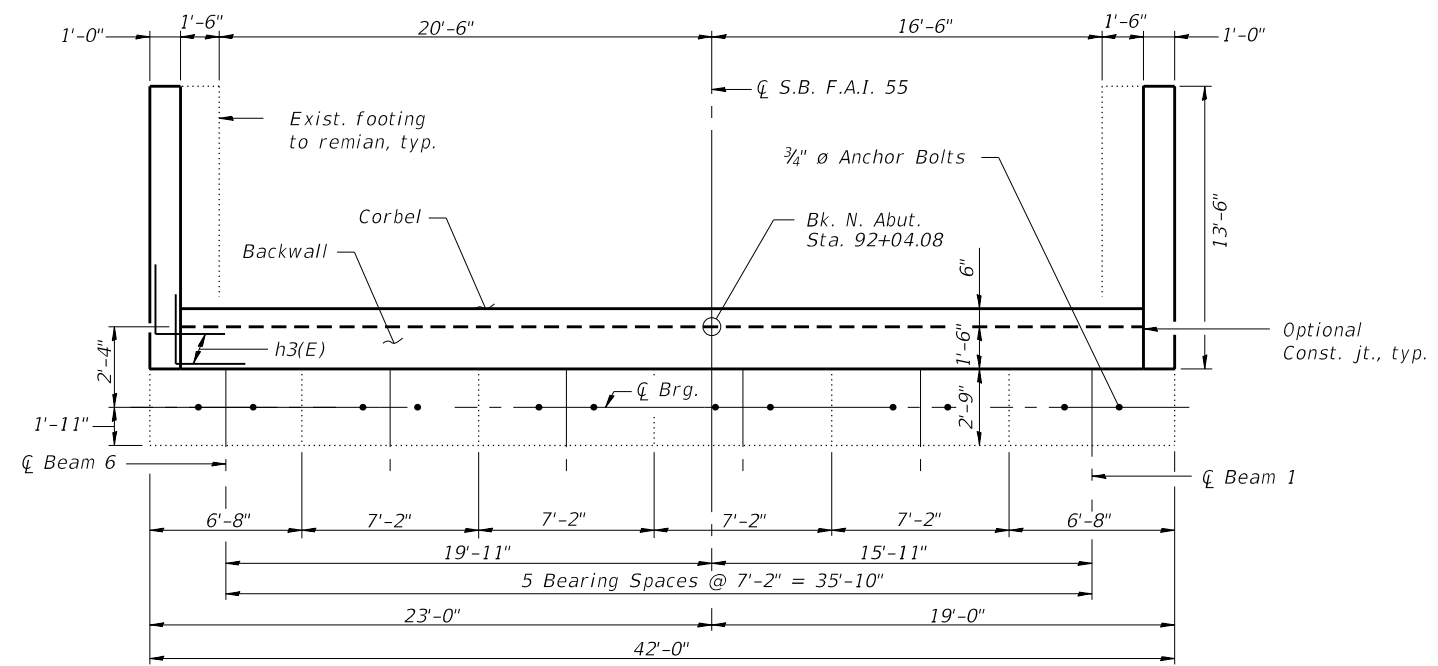
ELEVATION - PROPOSED NORTH ABUTMENT
(Looking North)



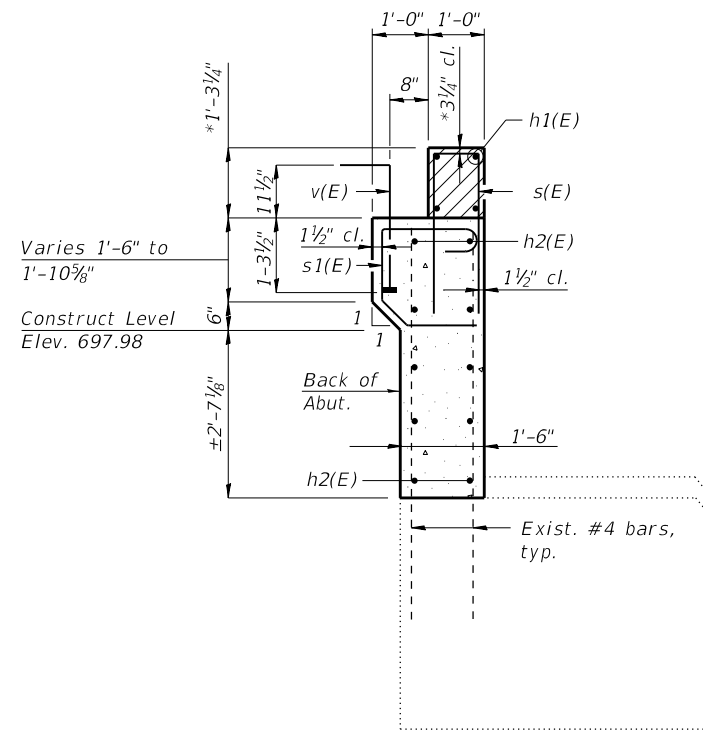
SIDE ELEVATION B

SECTION B-B

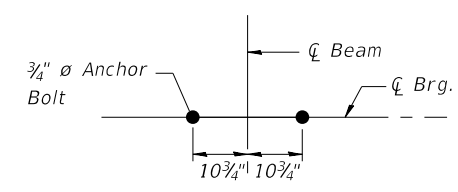
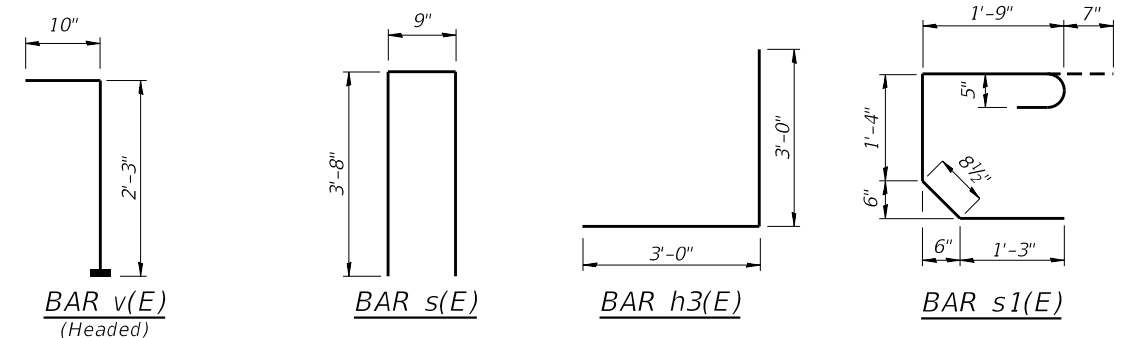
* Prior to Grinding
 ** 2\"/>



PLAN - PROPOSED NORTH ABUTMENT
(Hatch Block not shown for clarity)



SECTION A-A

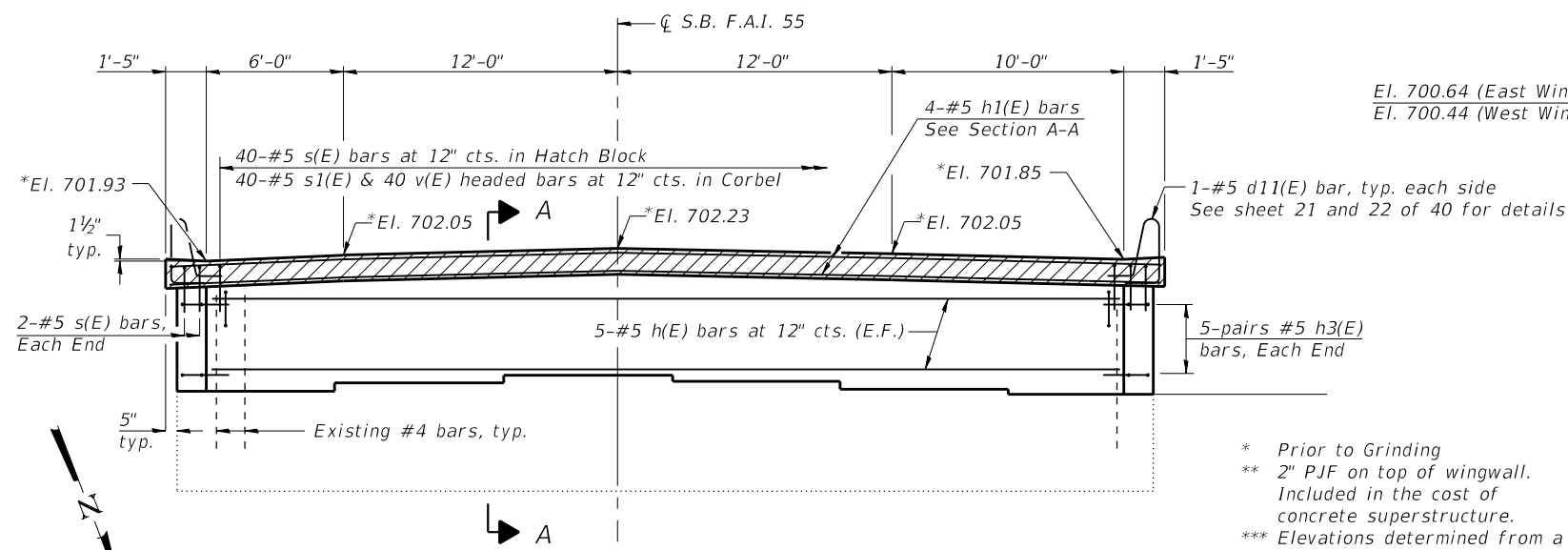


ANCHOR BOLT LAYOUT

**NORTH ABUTMENT
BILL OF MATERIAL**

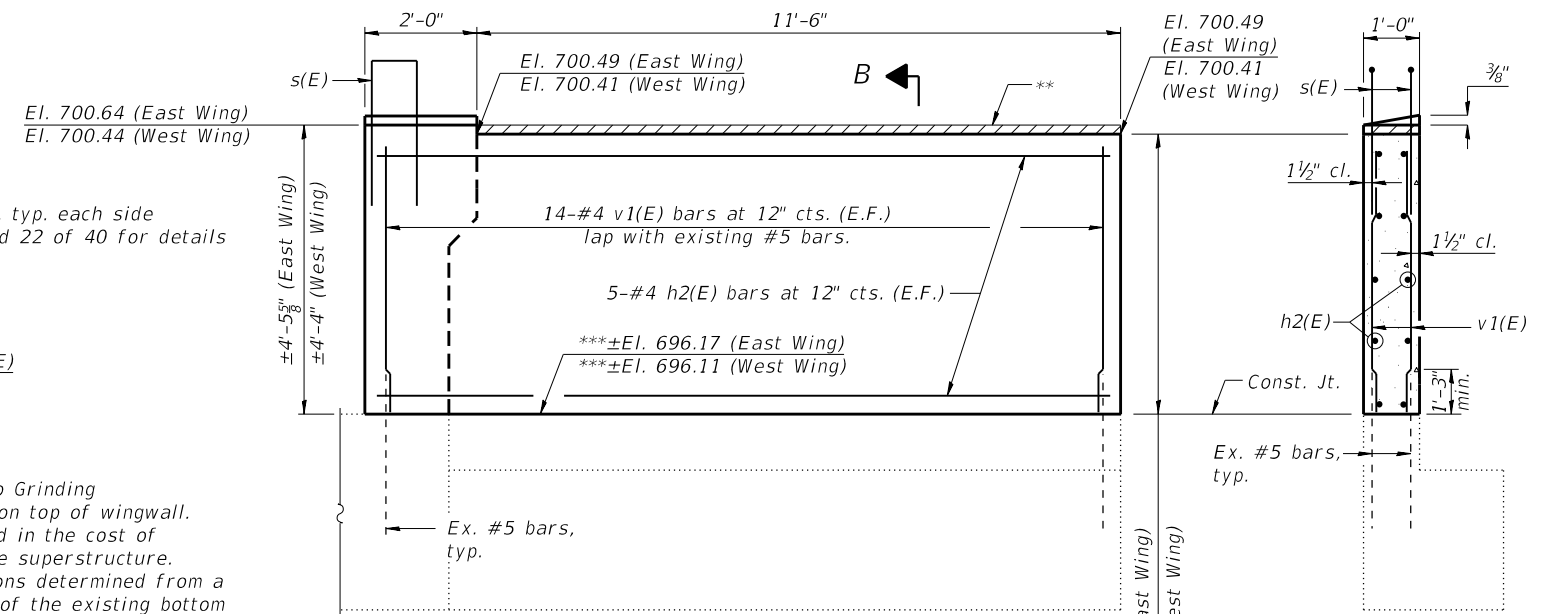
Bar	No.	Size	Length	Shape
h(E)	10	#5	39'-8"	—
h1(E)	4	#5	42'-6"	—
h2(E)	20	#4	13'-2"	—
h3(E)	20	#5	6'-0"	J
s(E)	44	#5	8'-1"	U
s1(E)	40	#5	5'-8"	C
v(E)	40	#5	3'-1"	┘
v1(E)	56	#4	4'-1"	—
Concrete Structures		Cu. Yd.	16.6	
Reinforcement Bars, Epoxy Coated		Pound	1780	
Structure Excavation		Cu. Yd.	96.0	
Concrete Sealer		Sq. Ft.	194	

Notes:
 Hatched area to be poured after superstructure false work has been removed, quantity of concrete included with Concrete Superstructure.
 Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
 Concrete Sealer shall be applied to front face of backwall.



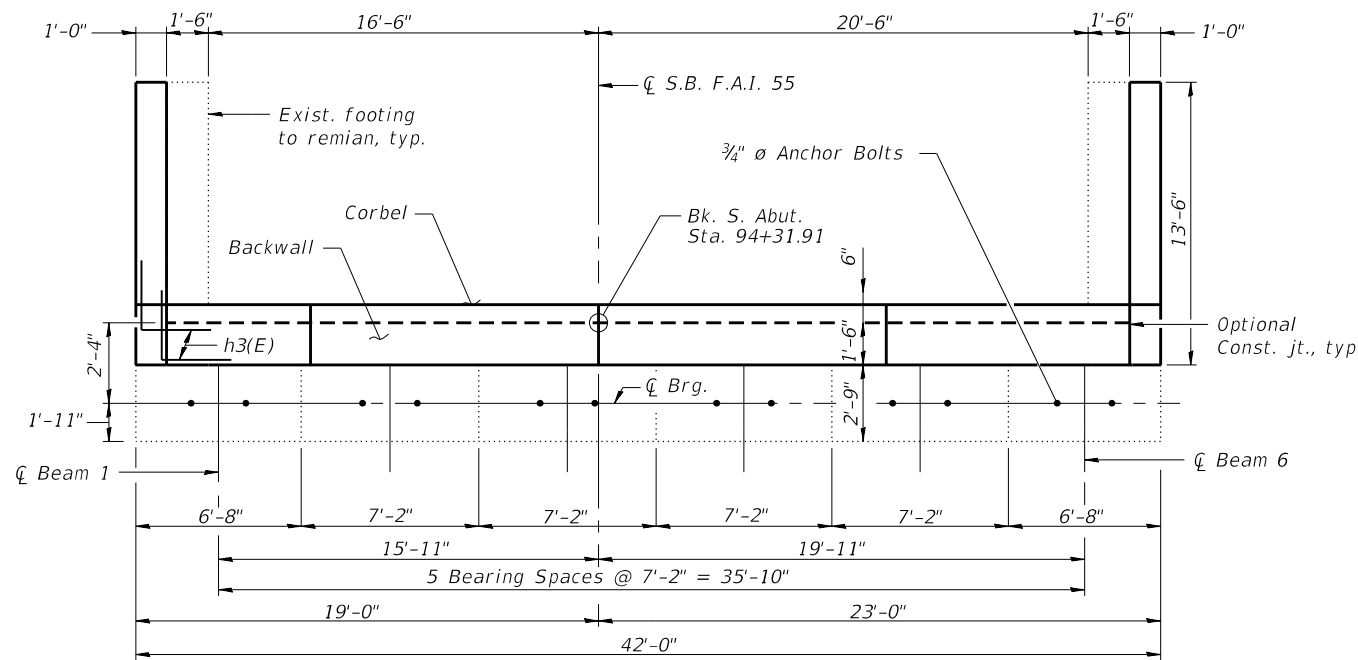
ELEVATION - PROPOSED SOUTH ABUTMENT
(Looking South)

* Prior to Grinding
 ** 2" PJF on top of wingwall. Included in the cost of concrete superstructure.
 *** Elevations determined from a survey of the existing bottom of beam elevations and field measurements of the existing bearing heights.

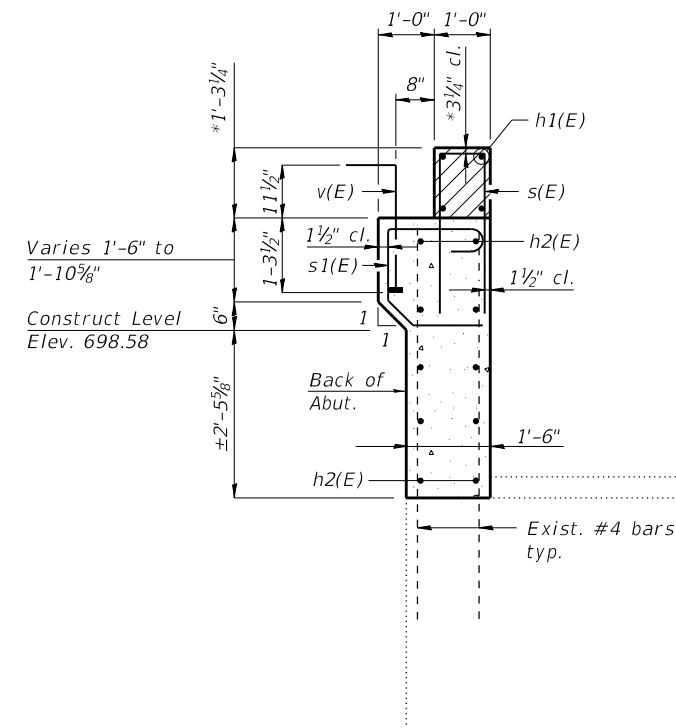


SIDE ELEVATION

SECTION B-B



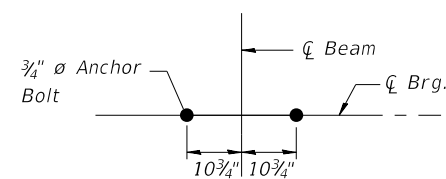
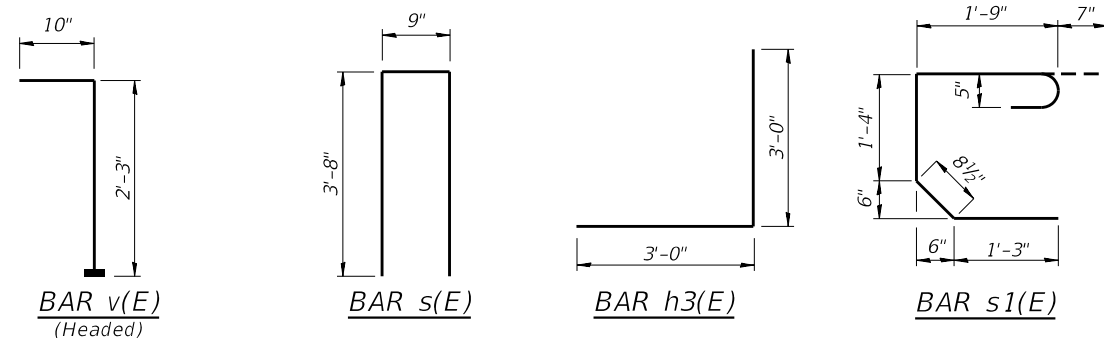
PLAN - PROPOSED SOUTH ABUTMENT
(Hatch Block not shown for clarity)



SECTION A-A

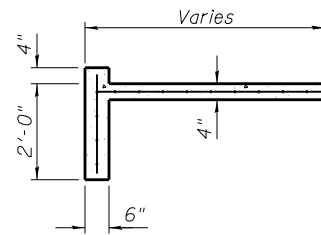
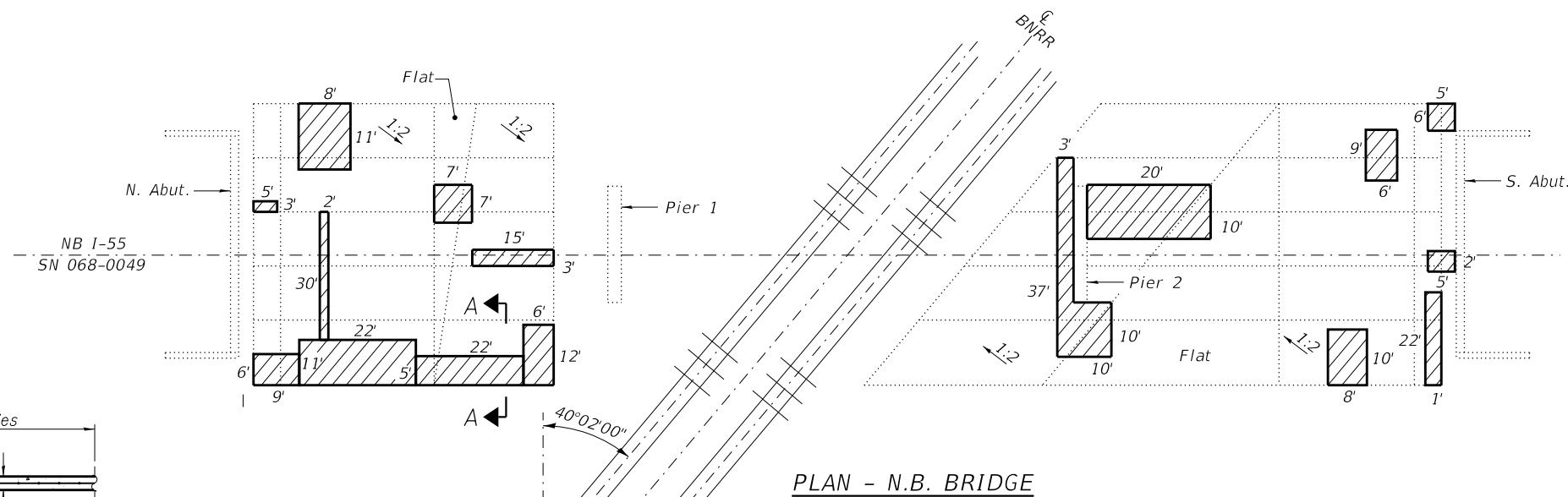
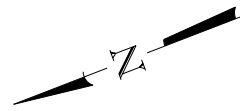
**SOUTH ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	10	#5	39'-8"	—
h1(E)	4	#5	42'-6"	—
h2(E)	20	#4	13'-2"	—
h3(E)	20	#5	6'-0"	J
s(E)	44	#5	8'-1"	U
s1(E)	40	#5	5'-8"	C
v(E)	40	#5	3'-1"	└
v1(E)	56	#4	4'-1"	—
Concrete Structures	Cu. Yd.		16.2	
Reinforcement Bars, Epoxy Coated	Pound		1780	
Structure Excavation	Cu. Yd.		96.0	
Concrete Sealer	Sq. Ft.		189	

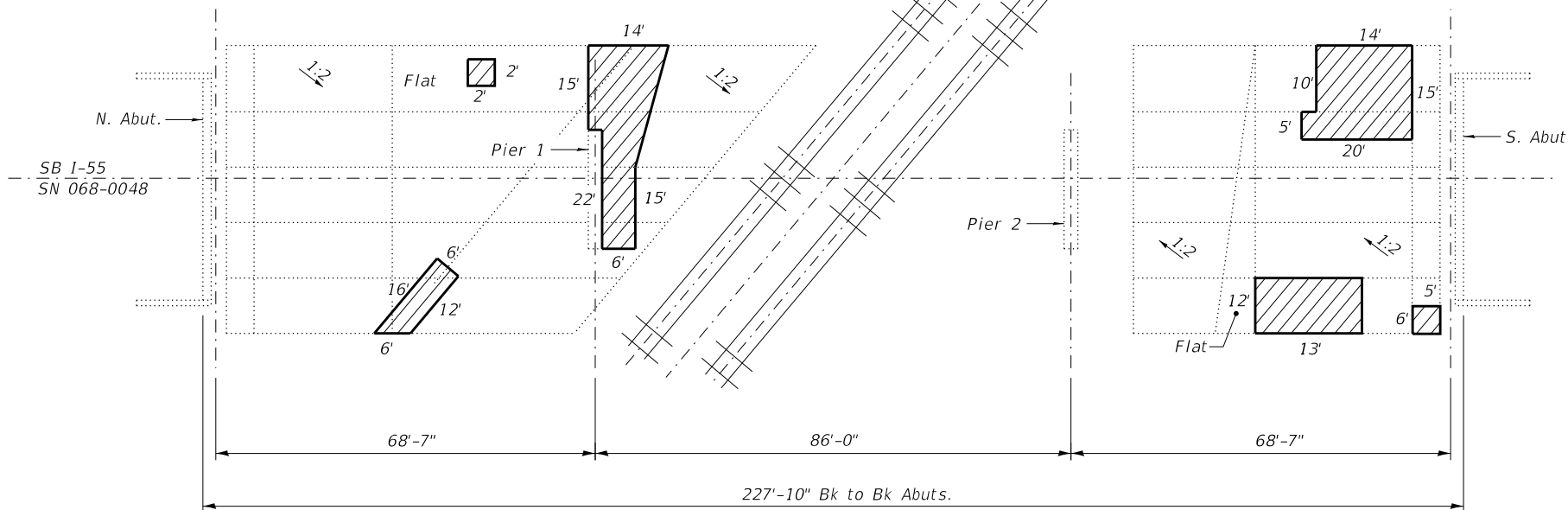


ANCHOR BOLT LAYOUT

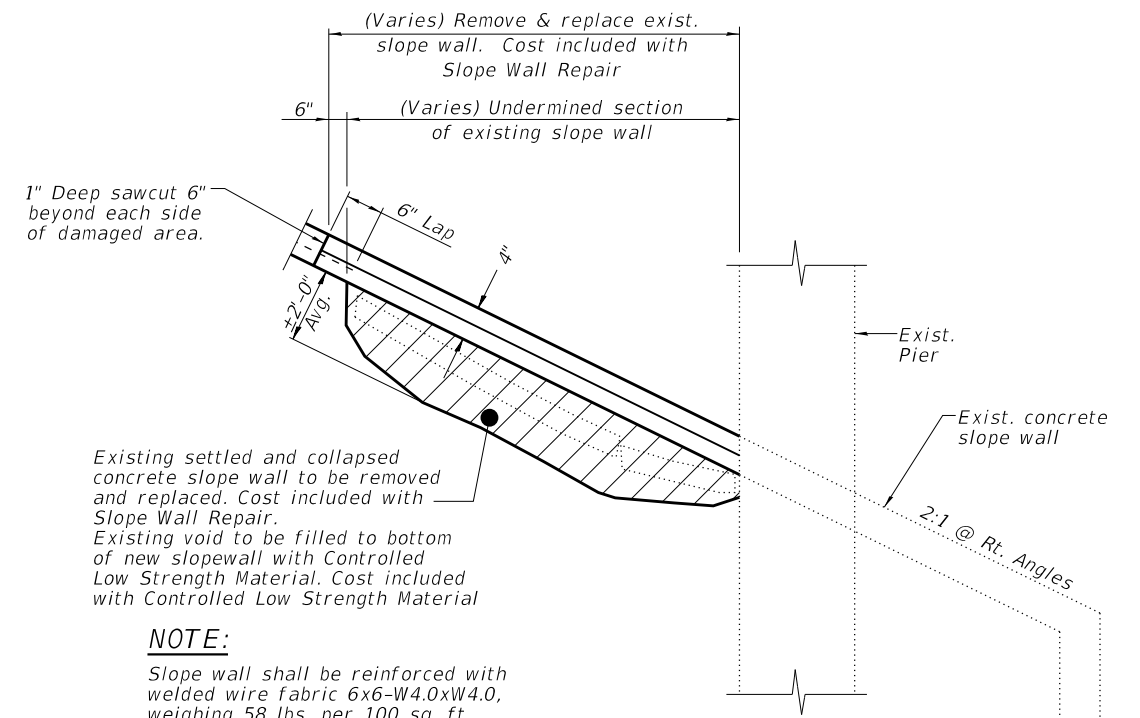
Notes:
 Hatched area to be poured after superstructure false work has been removed, quantity of concrete included with Concrete Superstructure.
 Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
 Concrete Sealer shall be applied to front face of backwall.



SECTION A-A



PLAN - S.B. BRIDGE



NOTE:

Slope wall shall be reinforced with welded wire fabric 6x6-W4.0xW4.0, weighing 58 lbs. per 100 sq. ft.

BILL OF MATERIAL (BOTH STRUCTURES)

ITEM	UNIT	TOTAL
Slope Wall Repair	Sq. Yd.	265
Controlled Low-Strength Material	Cu. Yd.	176.7

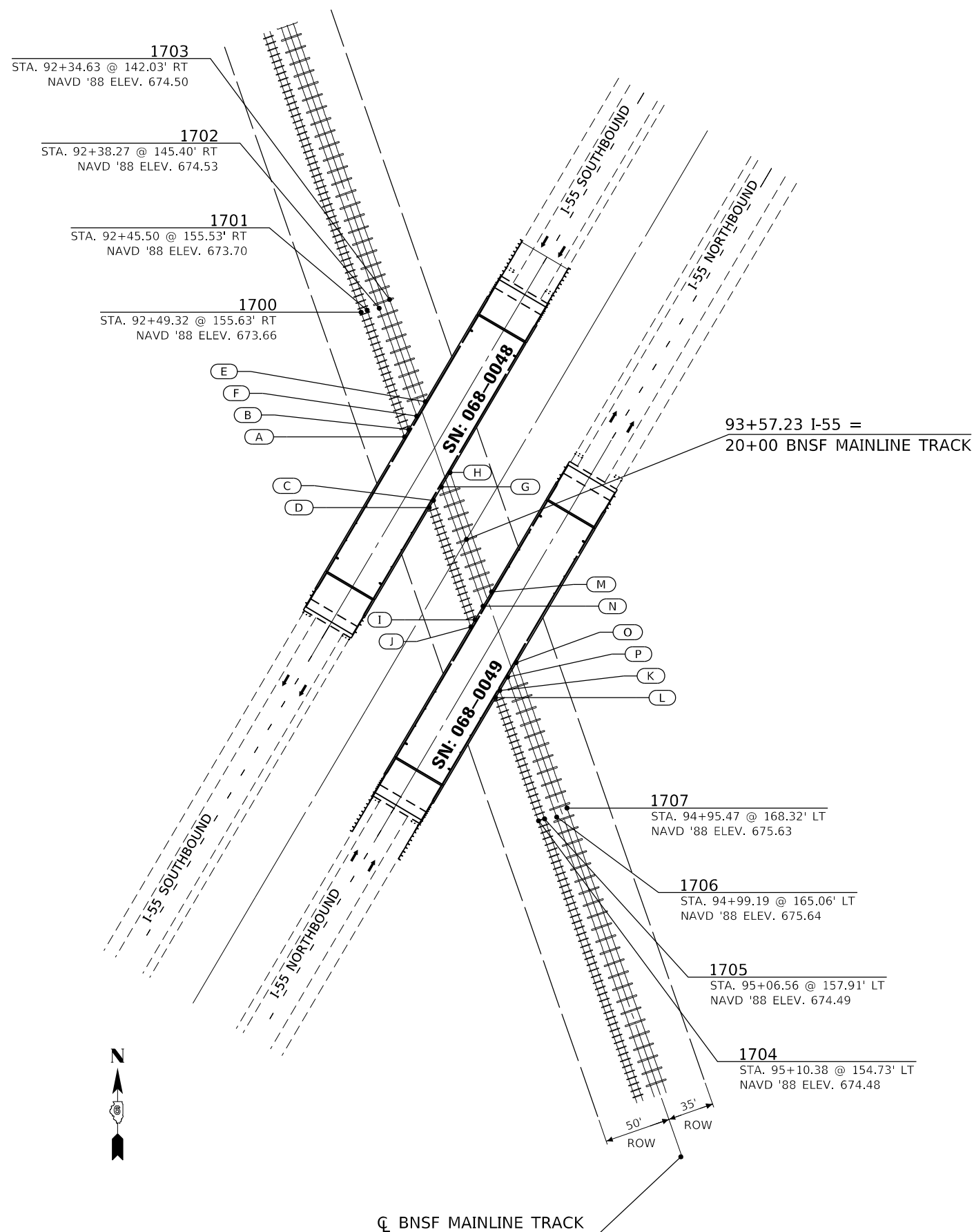
FILE NAME = 038- Slope Wall Repair Details	USER NAME =	DESIGNED - CMV	REVISED -
BACON FARMER WORKMAN ENGINEERING & TESTING, INC.		CHECKED - GBR	REVISED -
403 NORTH COURT STREET NAPLES, FLORIDA 34104 PHONE - (813) 987-9100	PLOT SCALE =	DRAWN - BJV	REVISED -
	PLOT DATE = 1/6/2020	CHECKED - GBR	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SLOPE WALL REPAIR DETAILS
STRUCTURE NO. 068-0048 (SB) & 068-0049 (NB)

SHEET NO. 38 OF 40 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	68-1,3 RS-3, 68-2 RS-5)BR	MONTGOMERY	307	217
				CONTRACT NO. 72D31
ILLINOIS FED. AID PROJECT				



VERTICAL CLEARANCE							
I-55 SBL - SN: 068-0048							
SIDE TRACK				BNSF MAINLINE TRACK			
SOUTH RAIL		NORTH RAIL		SOUTH RAIL		NORTH RAIL	
A	22.95'	B	22.89'	F	22.12'	E	22.11'
D	23.05'	C	23.03'	G	22.20'	H	22.19'

I-55 NBL - SN: 068-0049							
SIDE TRACK				BNSF MAINLINE TRACK			
SOUTH RAIL		NORTH RAIL		SOUTH RAIL		NORTH RAIL	
J	22.94'	I	22.89'	N	22.00'	M	22.02'
L	22.86'	K	22.84'	P	21.87'	O	21.87'

TOP OF RAIL ELEVATIONS							
I-55 SBL - SN: 068-0048							
SIDE TRACK				BNSF MAINLINE TRACK			
SOUTH RAIL		NORTH RAIL		SOUTH RAIL		NORTH RAIL	
A	673.87	B	673.90	F	674.78	E	674.74
D	673.97	C	673.99	G	674.91	H	674.88

I-55 NBL - SN: 068-0049							
SIDE TRACK				BNSF MAINLINE TRACK			
SOUTH RAIL		NORTH RAIL		SOUTH RAIL		NORTH RAIL	
J	674.18	I	674.19	N	675.19	M	675.16
L	674.27	K	674.28	P	675.32	O	675.30

BNSF MINIMUM TEMPORARY CLEARANCES
 * HORIZONTAL : 15 FEET FROM CL OF TRACK (NO FALSEWORK SHALL BE CONSTRUCTED WITHIN 15 FEET OF CL OF TRACK)
 * VERTICAL: 21.5 FEET FROM TOP-OF-RAIL

BNSF ROW
 * MEASURED PERPENDICULAR TO TRACKS
 * ROW EXTENDS 35 FEET EAST FROM CL OF TRACKS
 * ROW EXTENDS 50 FEET WEST FROM CL OF TRACKS

NOTE: POINTS A-P ARE AT OUTSIDE BRIDGE BEAMS

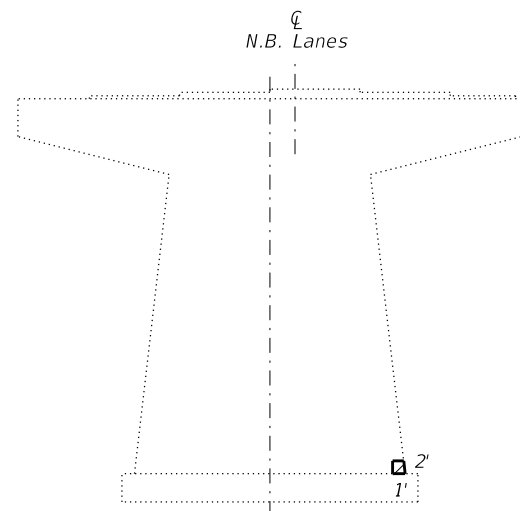
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USER NAME = blakleyba	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100:0' = 1" / in.	CHECKED -	REVISED -
PLOT DATE = 3/12/2020	DATE -	REVISED -

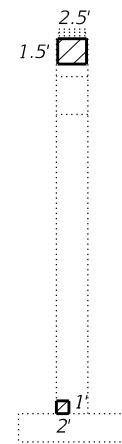
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BNSF ROW, VERTICAL CLEARANCE & TOP OF RAIL ELEVATIONS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

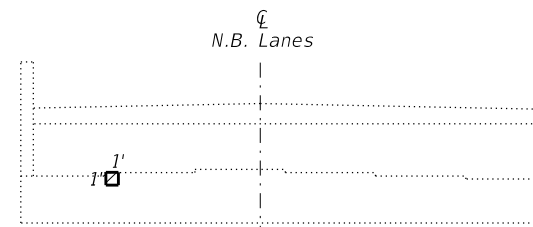
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3, 68-2 RS-5)BR	MONTGOMERY	307	217A
CONTRACT NO. 72D31				
ILLINOIS FED. AID PROJECT				



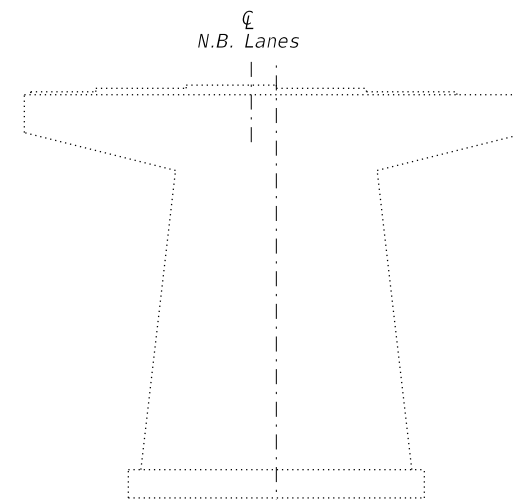
PIER 1 (N. Pier)
(North Face)



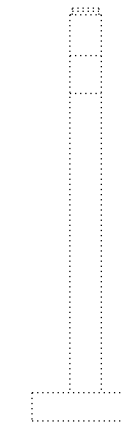
EAST FACE



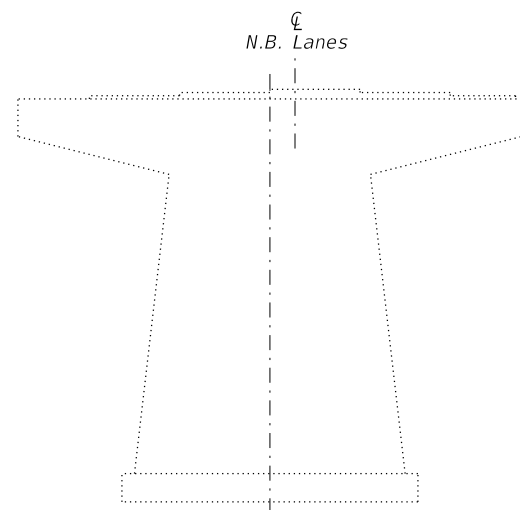
NORTH ABUTMENT.
(Looking North)



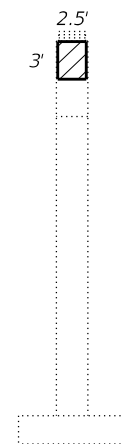
PIER 1 (N. Pier)
(South Face)



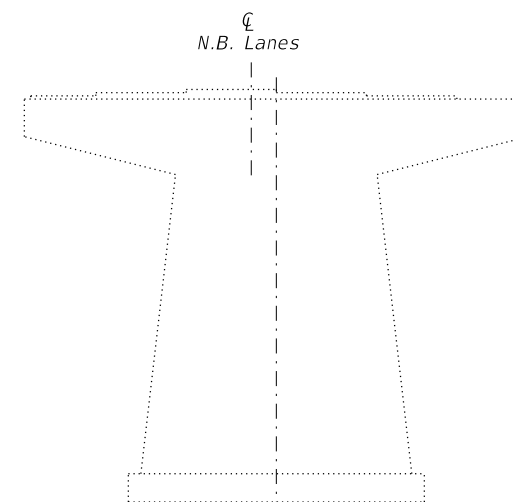
WEST FACE



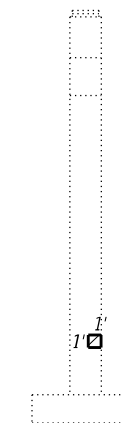
PIER 2 (S. Pier)
(North Face)



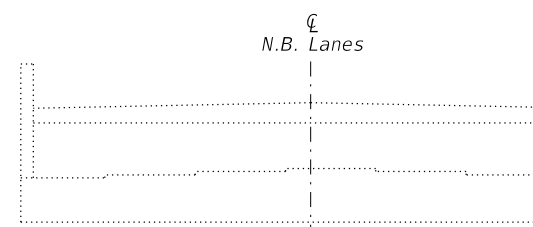
EAST FACE



PIER 2 (S. Pier)
(South Face)



WEST FACE



SOUTH ABUTMENT
(Looking South)

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	17.3

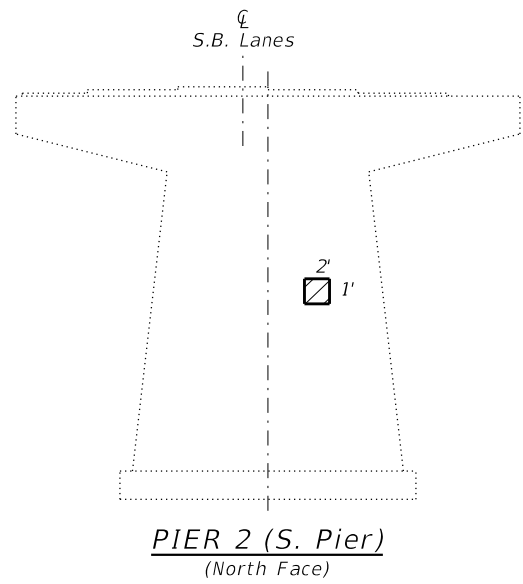
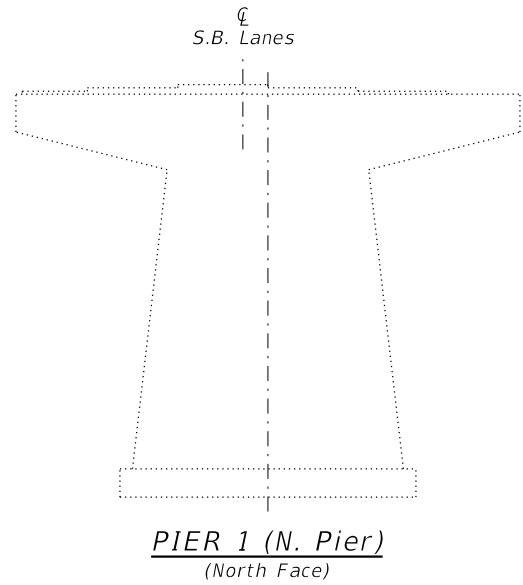
FILE NAME = 039- Concrete Repair Details (NB)	USER NAME =	DESIGNED - CMV	REVISED -
BFW BACON FARMER WORKMAN ENGINEERING & TESTING, INC. 403 NORTH COURT STREET NORTH LAUREL, MD PHONE - 410.987.0100		CHECKED - GBR	REVISED -
	PLOT SCALE =	DRAWN - BJV	REVISED -
	PLOT DATE = 1/6/2020	CHECKED - GBR	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE REPAIR DETAILS
STRUCTURE NO. 068-0049

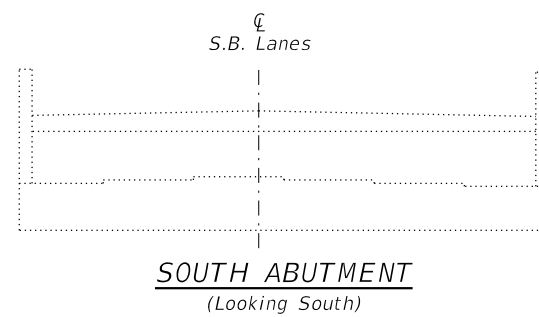
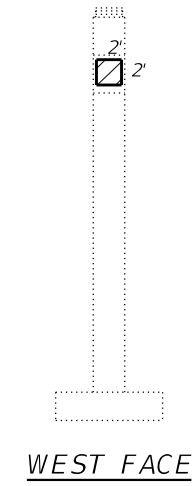
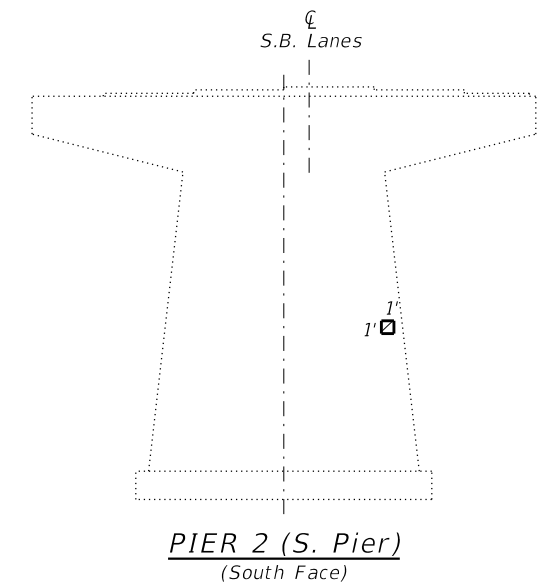
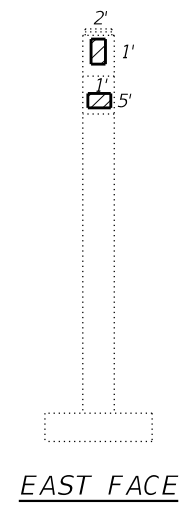
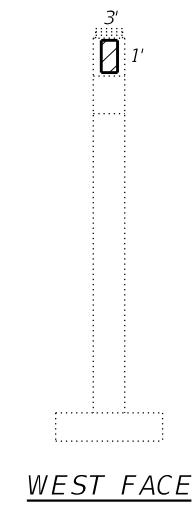
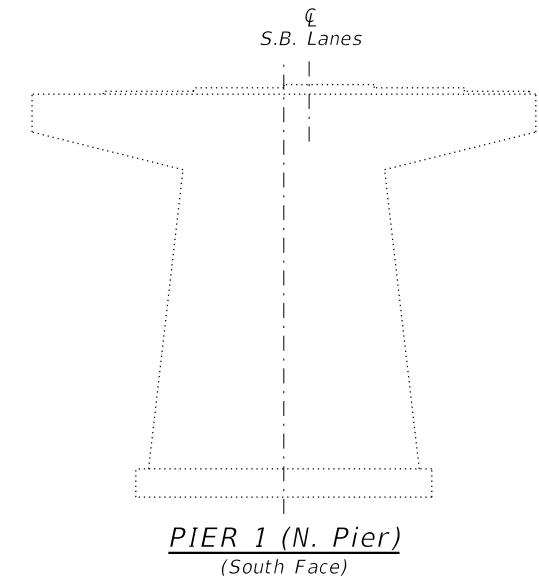
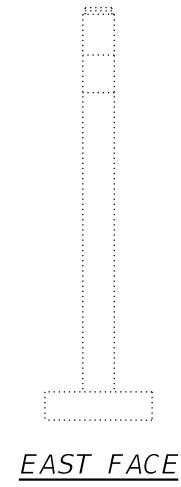
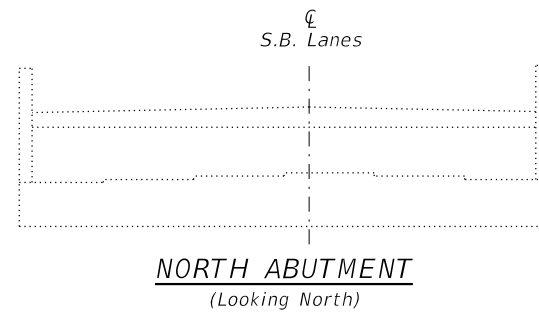
SHEET NO. 39 OF 40 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	68-1,3 RS-3, 68-2 RS-5)BR	MONTGOMERY	307	218
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	



BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	17.0



FILE NAME = 048- Concrete Repair Details (SB)	USER NAME =	DESIGNED - CMV	REVISED -
BFW BACON FARMER WORKMAN ENGINEERING & TESTING, INC. 403 NORTH COURT STREET NORTH LAUREL, OHIO PHONE - 419.987.9100		CHECKED - GBR	REVISED -
	PLOT SCALE =	DRAWN - BJV	REVISED -
	PLOT DATE = 1/6/2020	CHECKED - GBR	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONCRETE REPAIR DETAILS (SB)
STRUCTURE NO. 068-0048**

SHEET NO. 40 OF 40 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	68-1,3 RS-3, 68-2 RS-5)BR	MONTGOMERY	307	219
CONTRACT NO. 72D31				
ILLINOIS FED. AID PROJECT				

EXISTING STRUCTURE - S.N. 068-0050, originally built in 1972, is a two-span, continuous steel, multi-girder structure with vaulted abutments and a 2-columned pier.

Structure is to be repaired as detailed in these plans using stage construction. One lane of traffic to be maintained at all times.

No Salvage

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Structures	Cu. Yd.		4.5	4.5
Reinforcement Bars, Epoxy Coated	Pound		400	400
Silicone Joint Sealer, 1.5"	Feet	59		59

GENERAL NOTES

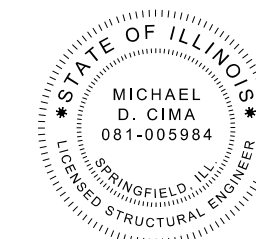
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and detail affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished that the unit price bid for the work.

The Contractor shall provide, erect and maintain all the necessary barricades, cones, drums and lights for the warning and protection of traffic along I-55, as required by IDOT Standard 701101, for any activities that require workers, equipment or materials to be within fifteen feet of the existing edge of pavement. All other activities on I-55 that are beyond these limits shall be completed in accordance with IDOT Standard 701106

The Contractor shall provide traffic control along TR 235 in accordance with IDOT Standard 701316, when temporary lane closures are required to remove and replace the existing preformed joint seals. Flaggers will be utilized instead of installing temporary signals and no nighttime lane closures will be allowed. Flaggers will be used in accordance with IDOT Standard 701201 during temporary daytime closures.

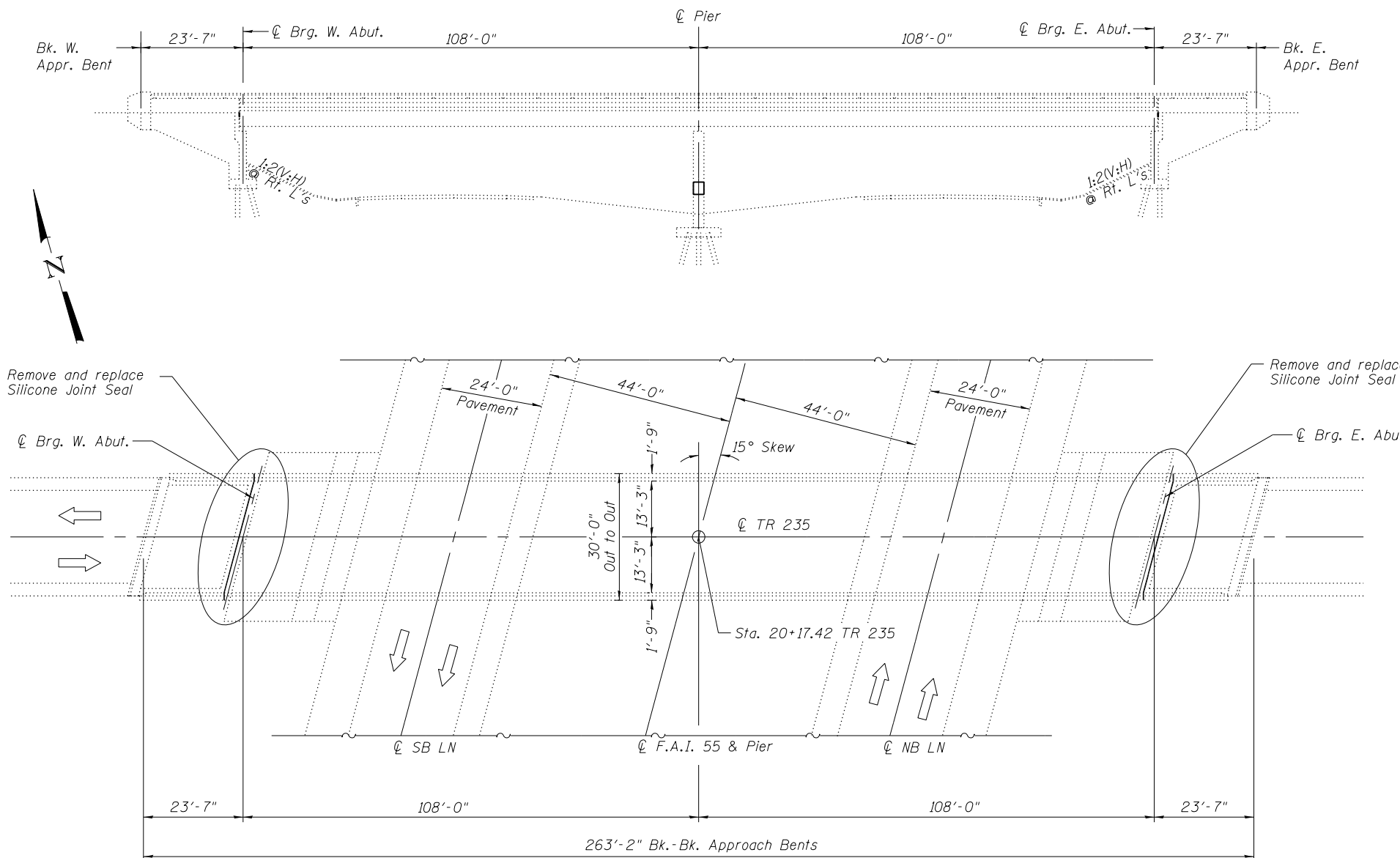
No field welding is permitted except as specified in the contract documents. Reinforcement bars designated (E) shall be epoxy coated.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.



Michael D. Cima 12/10/2019

Michael D. Cima, Illinois S.E. 081-005984 Date Expires 11/30/2020



DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications
for Highway Bridges

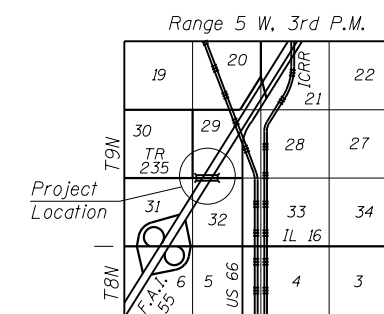
DESIGN STRESSES
FIELD UNITS (NEW CONSTR.)
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

SCOPE OF WORK

1. Replacement of expansion joint seals at each abutment
2. Raise pier crash wall

INDEX OF SHEETS

1. General Plan and Elevation
2. Stage Construction Details
3. Joint Sealer Details
4. Pier Crashwall Extension



LOCATION SKETCH

GENERAL PLAN & ELEVATION
TR 235 OVER F.A.I. RTE. 55
SECT. (68-1.3 RS-3, 68-2 RS-5) BR
MONTGOMERY COUNTY
STATION 20+17.42
STRUCTURE NO. 068-0050

FILE NAME = S:\Projects\2013\JOBS\13-60 BFW PTB 169 ITEM 30 DE V-V PH 1-11\NO 4\SN 068-0050\CADD\CADD Sheets\0680050-72D31-001-GPE.dgn
MODEL = Default
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USER NAME = cstokes	DESIGNED - SDM	REVISED
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PLOT SCALE = 0:2.0000 '1' / in.	DRAWN - SDM	REVISED
PLOT DATE = 12/10/2019	CHECKED - MDC	REVISED

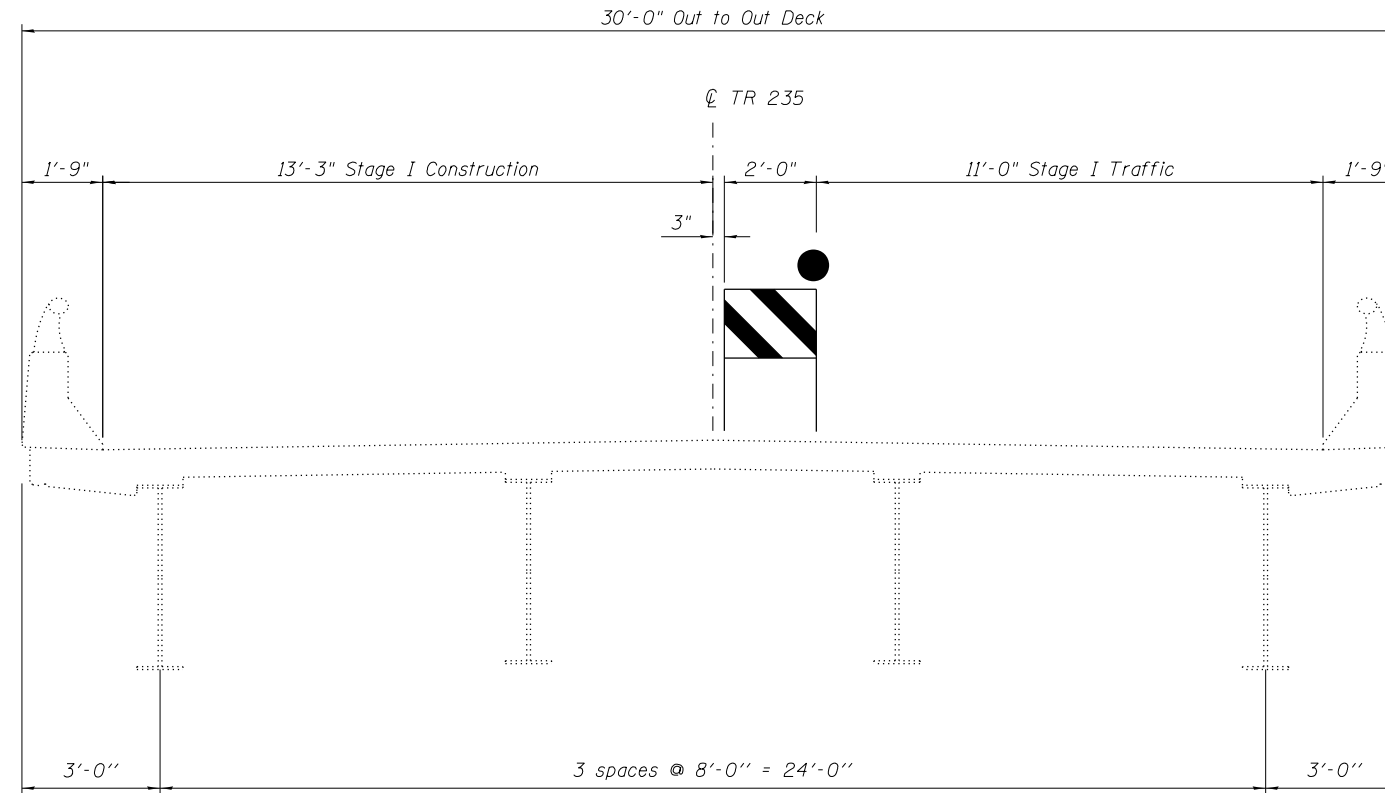
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 068-0050

SHEET NO. 1 OF 4 SHEETS

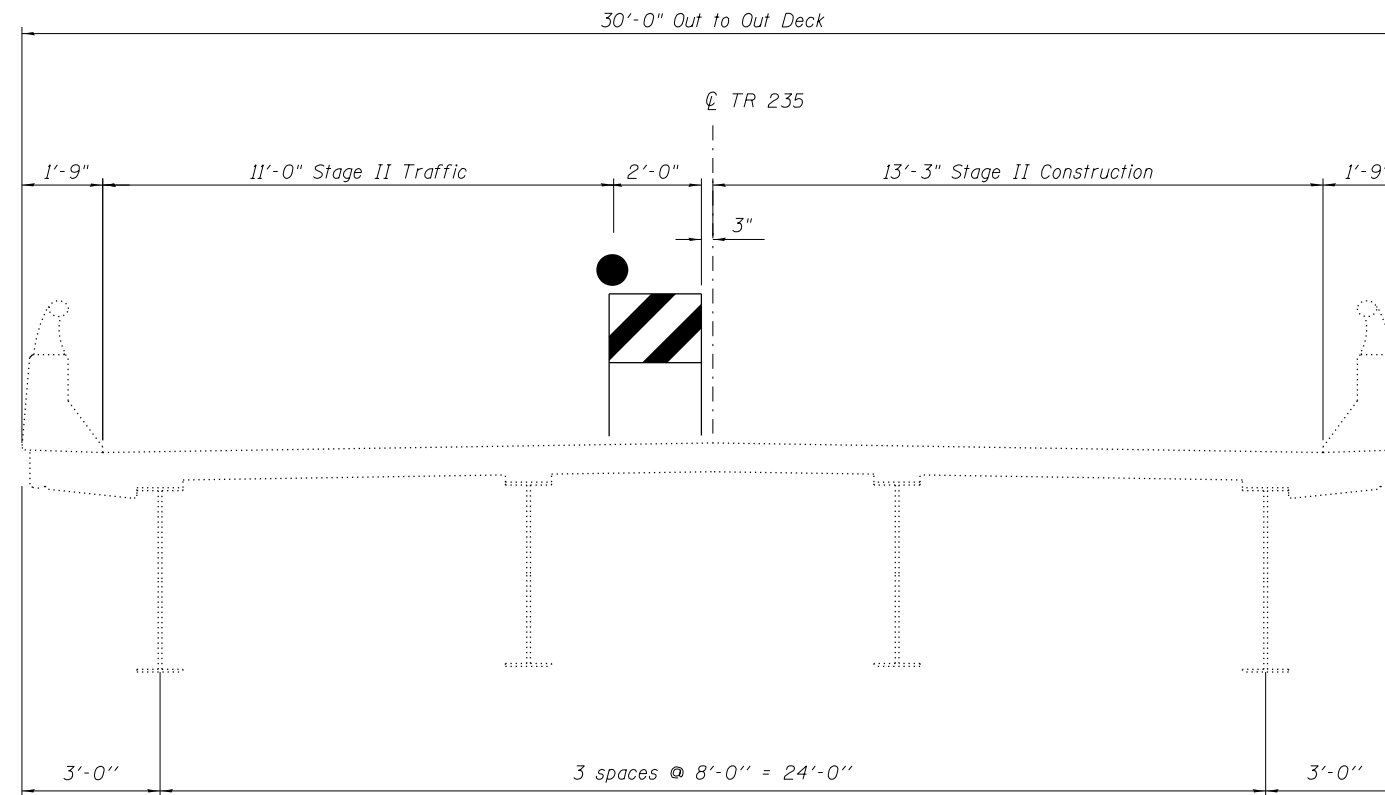
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1.3 RS-3, 68-2 RS-5) BR	MONTGOMERY	307	220
			CONTRACT NO. 72D31	

ILLINOIS FED. AID PROJECT



Stage I Construction

(Looking East)



Stage II Construction

(Looking East)

FILE NAME : S:\Projects\2013\JOBS\13-60 BFW PTB 165 ITEM 30 DB V-V PH 1-11\MO 4\SN 068-0050\CADD\CADD Sheets\0680050-72D31-002-StageConstrDetails.dgn
 MODEL : Default
 PLOT DRIVER : IODT_PDF.plt



USER NAME : cstokes	DESIGNED - SDM	REVISED
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PLOT SCALE : 0:2.0000 '1' / in.	DRAWN - SDM	REVISED
PLOT DATE : 12/10/2019	CHECKED - MDC	REVISED

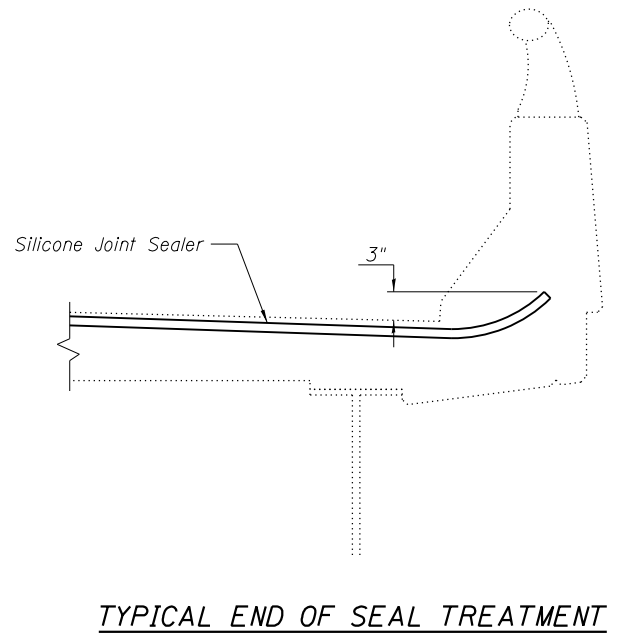
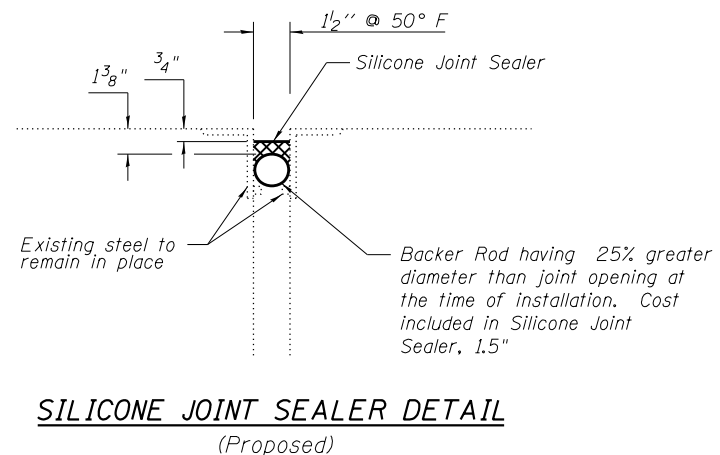
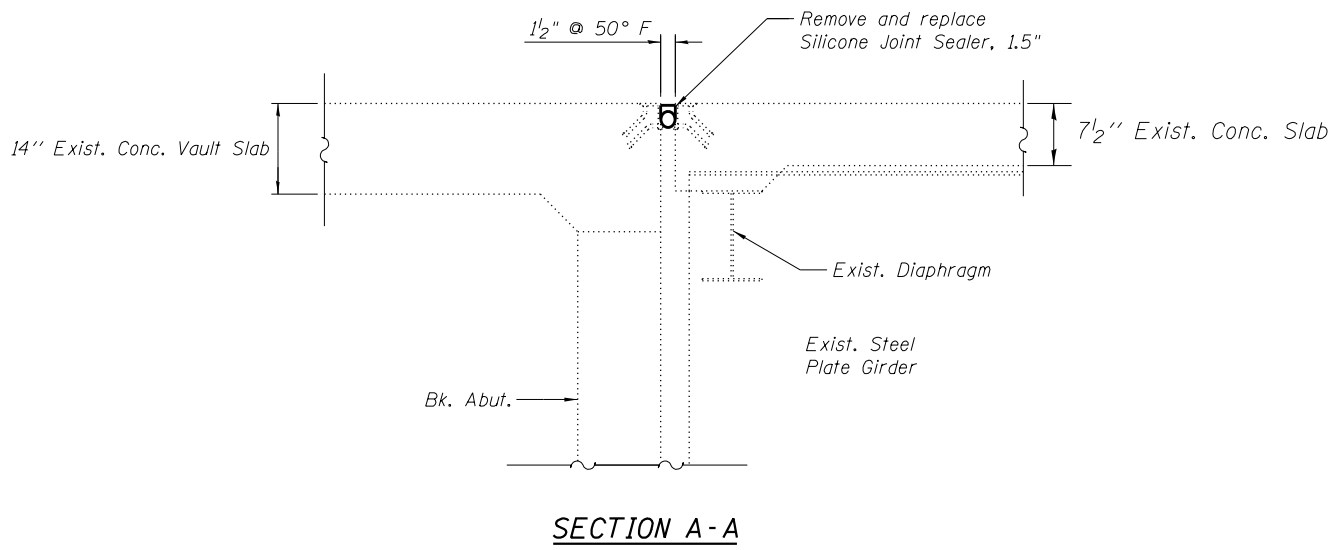
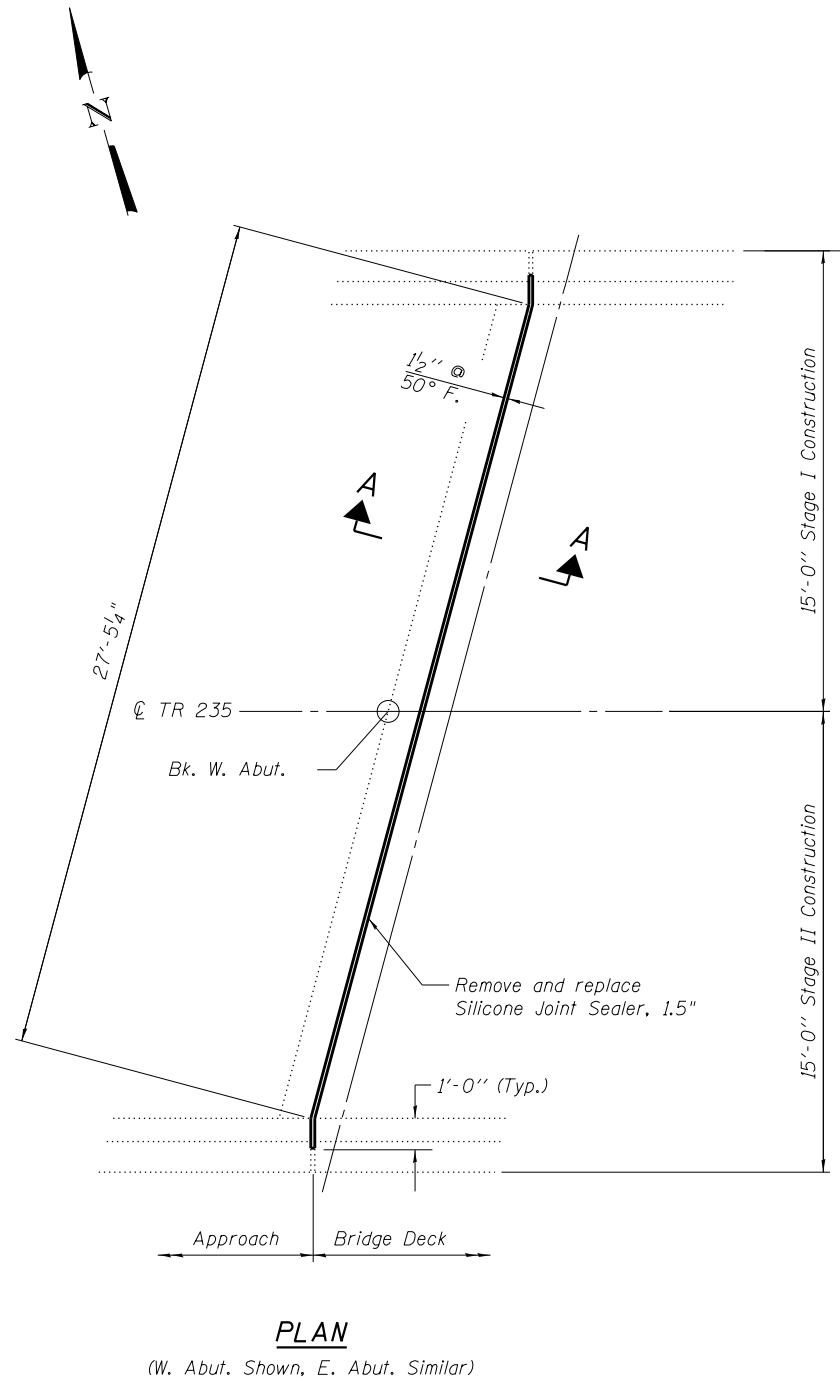
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 068-0050**

SHEET NO. 2 OF 4 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3, 68-2 RS-5) BR	MONTGOMERY	307	221
CONTRACT NO. 72D31				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\Projects\2013\JOBS\13-60 BFW PTB 165 ITEM 30 DB V-V PH 1-11\NO 4\SN 068-0050\CADD\CADD Sheets\0680050-72D31-003-JointDetails.dgn
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 PLOT DRIVER = IDDT_PDF-plctg



BILL OF MATERIAL

Item	Unit	Total
Silicone Joint Sealer, 1.5"	Foot	59



USER NAME = cstokes	DESIGNED - SDM	REVISED
0680050-72D31-003-JointDetails.dgn	CHECKED - RPW	REVISED
PLOT SCALE = 0:2.0000 '1' / in.	DRAWN - SDM	REVISED
PLOT DATE = 12/10/2019	CHECKED - MDC	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

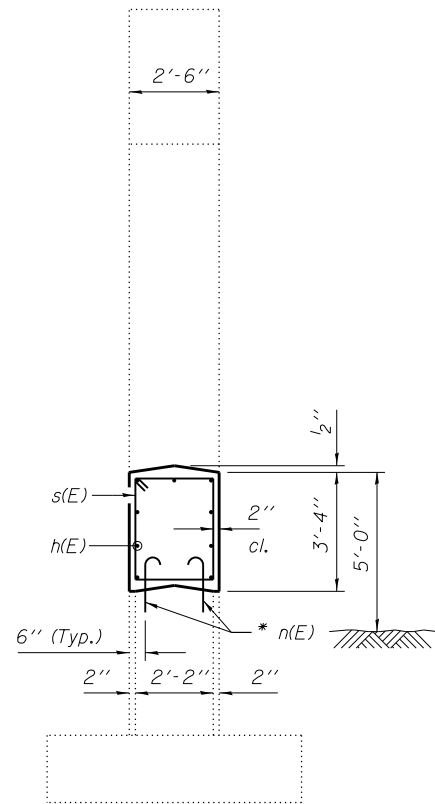
JOINT SEALER DETAILS
 STRUCTURE NO. 068-0050

SHEET NO. 3 OF 4 SHEETS

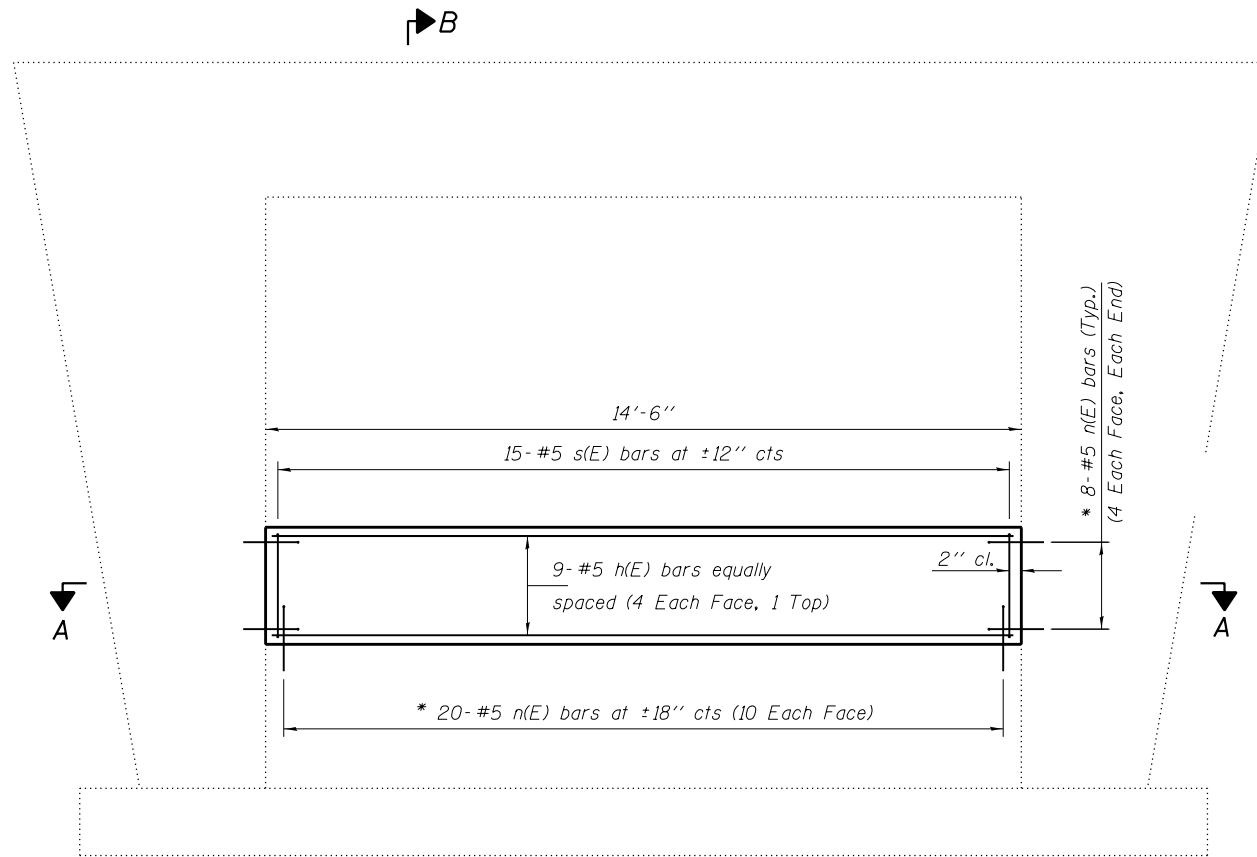
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72D31				

ILLINOIS FED. AID PROJECT

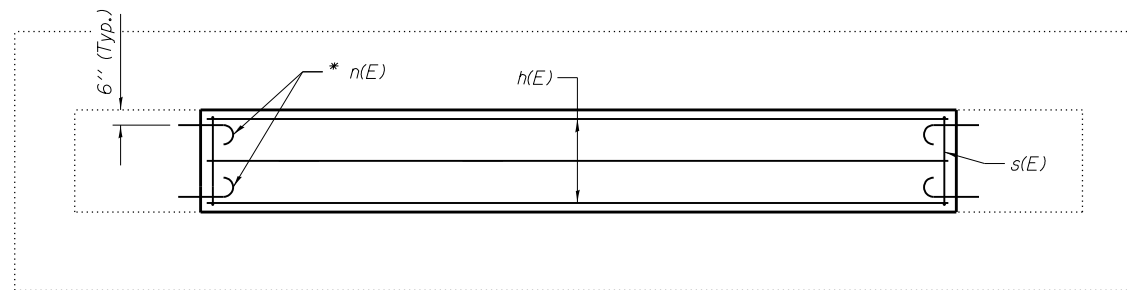
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 MODEL = Default
 PLOT DRIVER = IDDT_PDF.plt



SECTION B-B

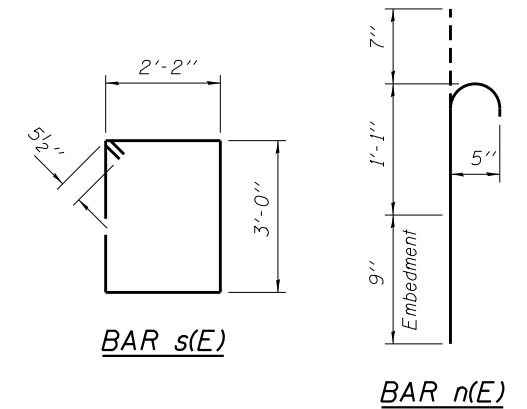


ELEVATION



SECTION A-A

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications. The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	9	#5	14'-2"	—
n(E)	36	#5	2'-5"	U
s(E)	15	#5	11'-3"	□
Item		Unit	Total	
Concrete Structures		Cu. Yd.	4.5	
Reinforcement Bars, Epoxy Coated		Pound	400	



USER NAME = cstokes
 0680050-72D31-004-Pier-CWEExtension.dgn
 PLOT SCALE = 0:2.0000 '1' / in.
 PLOT DATE = 12/10/2019

DESIGNED - SDM
 CHECKED - RPW
 DRAWN - SDM
 CHECKED - MDC
 REVISED
 REVISED
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER CRASHWALL EXTENSION
 STRUCTURE NO. 068-0050

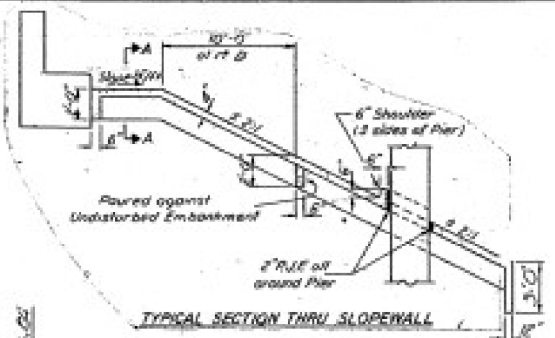
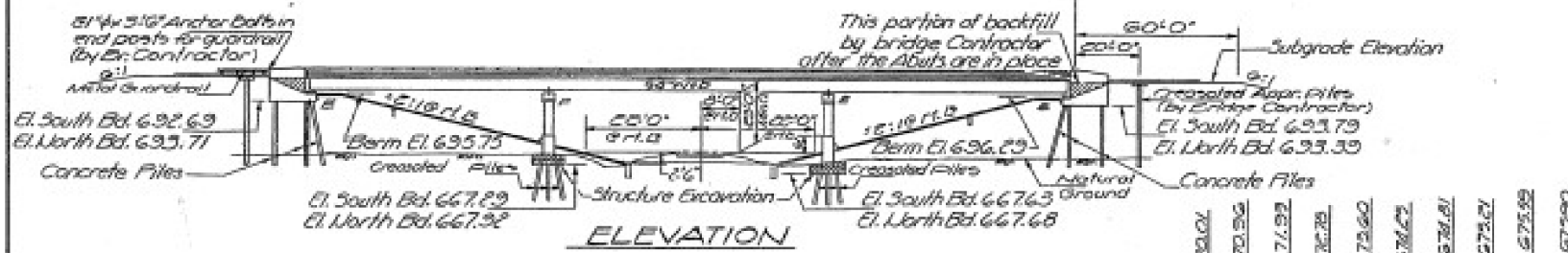
SHEET NO. 4 OF 4 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1.3 RS-3, 68-2 RS-5) BR	MONTGOMERY	307	223
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	

B.M. 11.29 cut in N.W. corner of N. Abutment on I.C. RR bridge at Sta. 14+30 Elev. 674.64

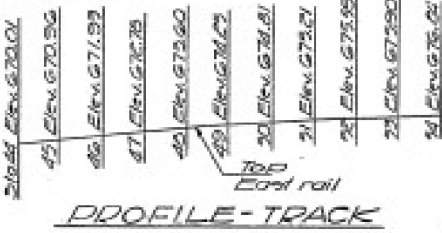
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

DATE	BY	CHECKED	SCALE	SHEET NO.
12/11/2019	KORIDER	JAS	1" = 40'	20



APPROACH PILE DATA

Type: Cressed
Est. Length: 29'
No. Req'd: 36



Note
Those spans which will have railroad signal or communication lines under them shall have the deck drains spaced to clear the cross arms of these wires signal poles by 10' as determined in the field by the Engineer. No deck drains shall be permitted in span over railroad tracks.

GENERAL NOTES

All reinforcement bars shall be lapped 24-diameters unless otherwise specified.

Fasteners shall be high strength bolts. Bolts: 3/4"; open holes: 1/2", unless otherwise noted.

Calculated weight of Structural Steel = 870,350 Lbs.

The Basic Lead Sillco Chlorate paint system shall be used for shop and field painting of structural steel.

Field welding of construction accessories will not be permitted in the bottom flange of beams or girders for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.

Anchor bolts shall be set before bolting cross frames over supports.

Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 20# per 100 sq. ft.

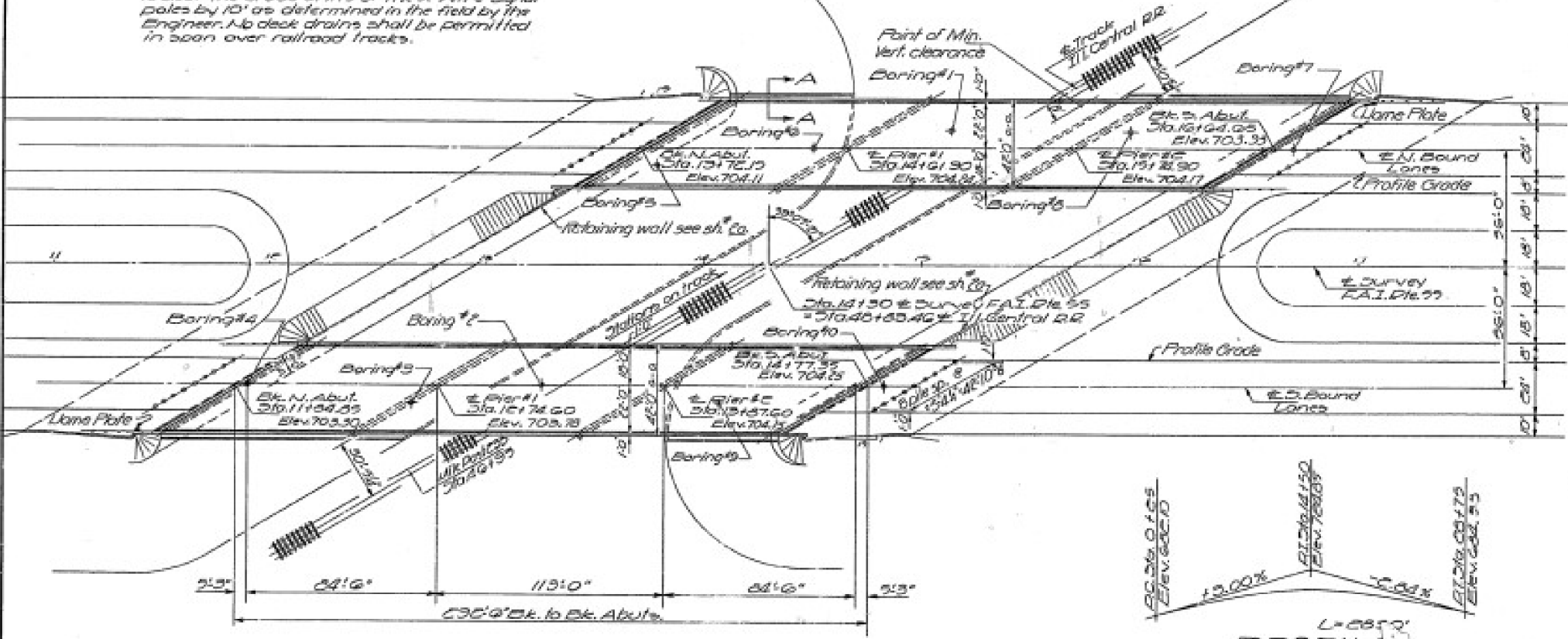
The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Standard Concrete.

The embankment configuration shown shall be the minimum embankment and shall be constructed prior to construction of the abutments.

Concrete piles at abutments shall be driven in holes prepared through the embankment in accordance with Article 513.09(c) of the Standard Specifications.

Protective Coat shall not be applied to surfaces to which Coal Tar Interlayer Protective Coat is applied.

Concrete shall drive two concrete test piles in permanent locations one at South Abut. Lin. Pl. Inner and one at North Abut. So. Bd. lanes and two timber test piles in permanent locations one at Pier 1 So. Bd. lanes, and one at Pier 2 So. Bd. lanes as directed by the Engineer before initiation of the remainder of piles.



TOTAL BILL OF MATERIAL

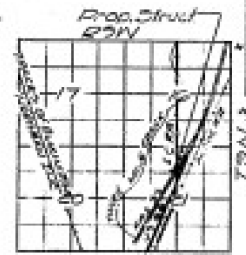
Item	Unit	Super	Sub.	Total
Bituminous Concrete				
Surface Course Class I	Tons	802.5		802.5
Structure Excavation	Cu. Yds		760	760
Protective Coat	Sq. Yds	513		513
Class I Concrete	Cu. Yds	744.1	1016.8	1756.2
Structural Steel	L.S.			L.S.
Stud Shear Connectors	Each	7272		7272
Aluminum Ribbing	Lin. Ft.	1145		1145
Reinforcement Bars	Lbs.	197750	109970	307720
Cressed Piles 20" to 36"	Lin. Ft.			3186
Concrete Piles	Lin. Ft.		3430	3430
Test Pile Timber	Each		2	2
Test Pile Concrete	Each		2	2
Lane Plates	Each		2	2
Slope wall 4"	Sq. Yds		4560	4560
Bridge Seal Sealer	L.S.			L.S.
Coal Tar Interlayer				
Protective Coat	Sq. Yds	2465		2465

PROFILE
F.A. ROUTE 55
(Median edge) top of Class I

DESIGN STRESSES
F_c = 1500 psi --- Deck Slab
F_c = 1400 psi --- Curb, Parapet, Sub.
F_c = 20,000 psi --- Reinf.
F_c = 20,000 psi --- Struct.

V_c = 75 psi --- Footing, n = 10
E = 2.0 x 10⁶ psi Composite
Allowable Future I.N.D. C54/a

Design Specifications
1969 A.C.I. HO 90.2 --- applicable



LOCATION SKETCH

PLAN

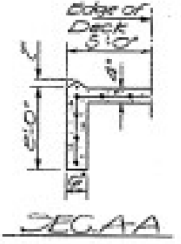
I.C. R.R.
BUILT BY
STATE OF ILLINOIS
F.A. RT. 55 SEC. 68-1WB
F.A. PROJ. 16-55-2(20)
STATION 14+30
LOADING HS 806 A.T.

LANE PLATE
(See 5th. 2113)

LOADING HS 806 A.T.

DESIGNED	J. J. M. 1/14
CHECKED	R. G. S. K.
DRAWN	JAS
CHECKED	R. G. S. K.

EXAMINED	DECEMBER 21 1970
PASSED	
APPROVED	

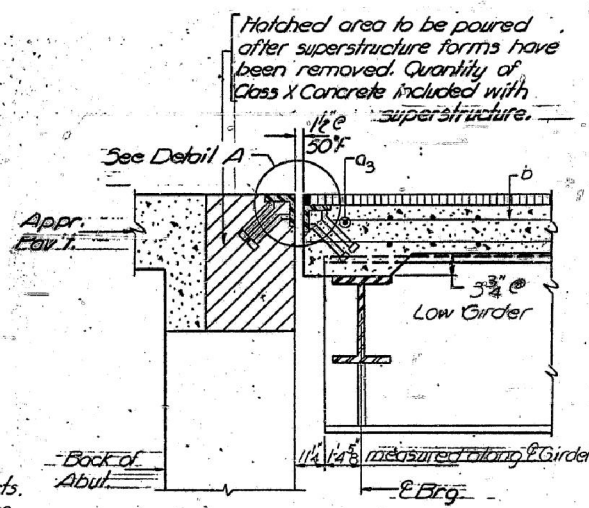
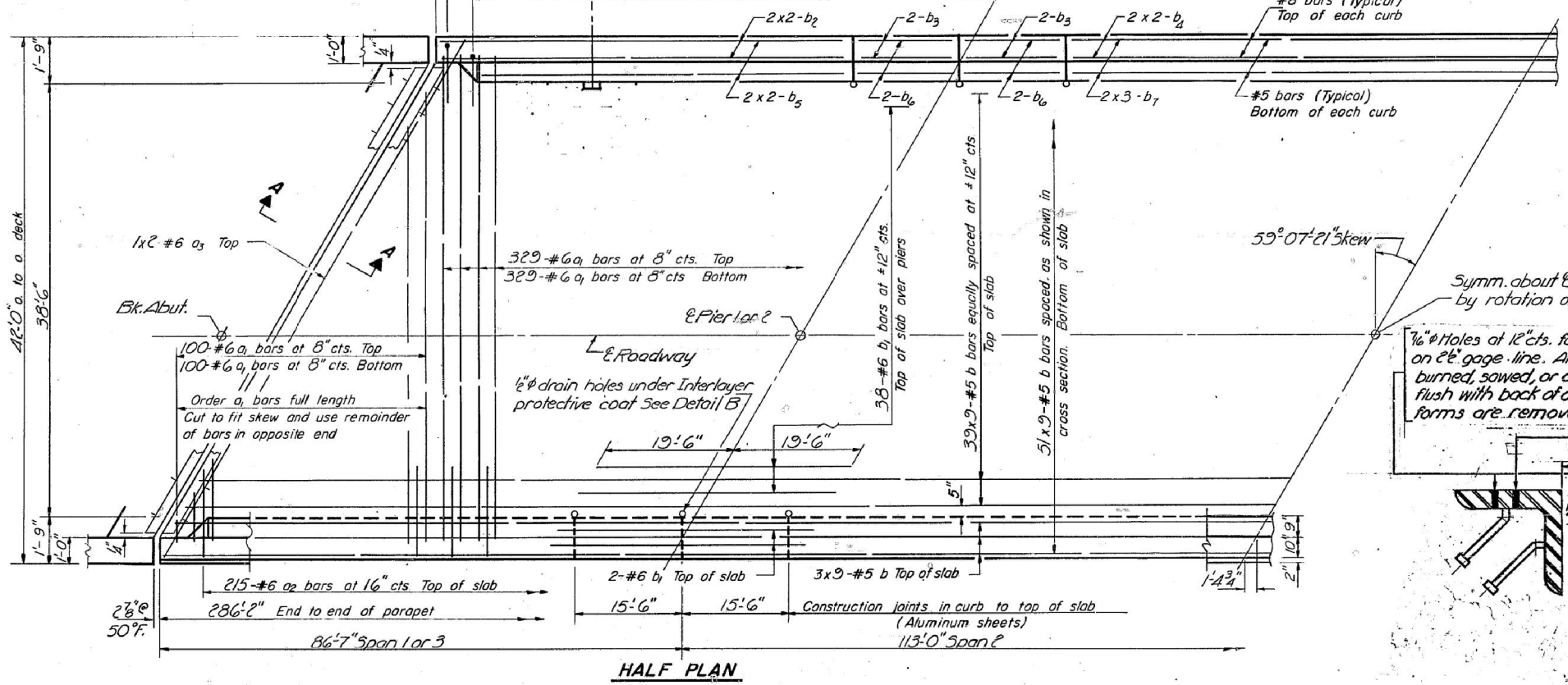


EDGE OF DECK

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

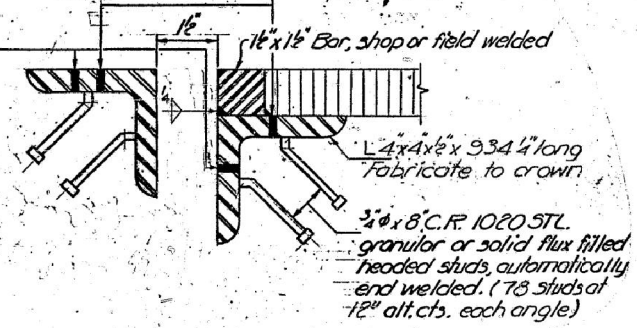
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 55	68-IVB	MONTGOMERY	268	49
PER ROAD DIST NO. Y		ILLINOIS	PER AID PROJECT	

Note
Bars indicated thus 20 x 3 - #5 etc.
indicates 20 lines of bars with 3
lengths per line.
Min. bar laps = 24 dia

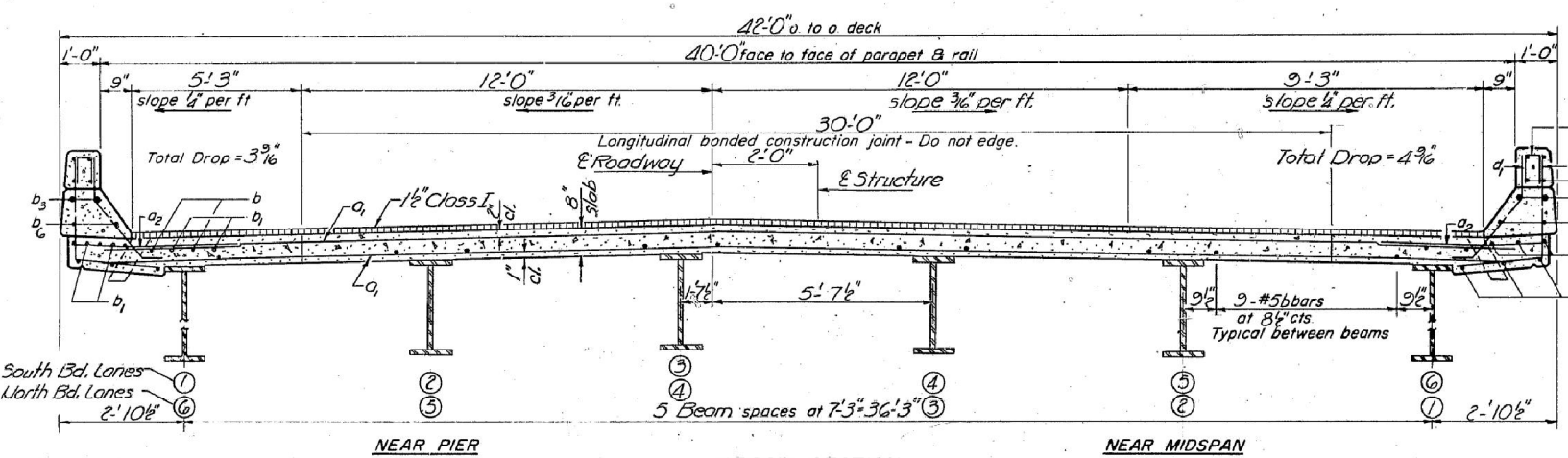


SECTION A-A
TWO STRUCTURES
BILL OF MATERIAL

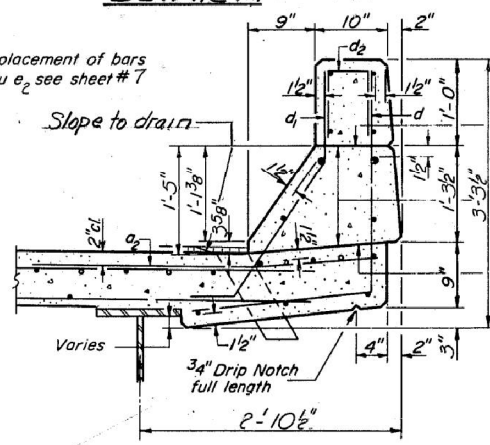
Bar	No	Size	Length	Shape
a ₁	1716	#6	40'-0"	
a ₂	860	#6	4'-0"	
a ₃	8	#6	41'-3"	
b	1728	#5	33'-0"	
b ₁	168	#6	39'-0"	
b ₂	32	#8	36'-6"	
b ₃	32	#8	15'-3"	
b ₄	16	#8	42'-0"	
b ₅	32	#5	36'-2"	
b ₆	32	#5	15'-3"	
b ₇	24	#5	28'-3"	
d	1148	#4	4'-7"	
d ₁	1140	#5	3'-5"	
Reinforcement Bars				Lbs. 194290
Class X Concrete				Cu Yds. 707.2



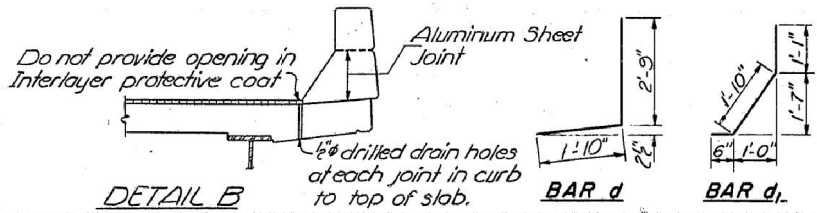
DETAIL A



CROSS SECTION
LOOKING SOUTH - So. Bd. Lanes
LOOKING NORTH - No. Bd. Lanes



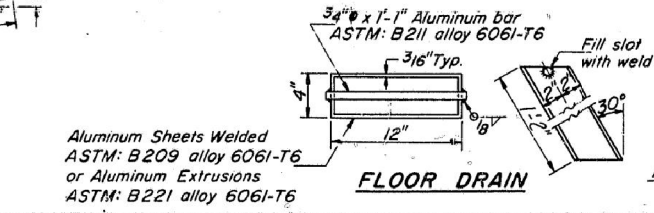
CURB SECTION



DETAIL B

Note For placement of bars
a₂ & a thru e₂ see sheet #7

Cost of Aluminum Drains and Sheets shall be incidental to Class X Concrete

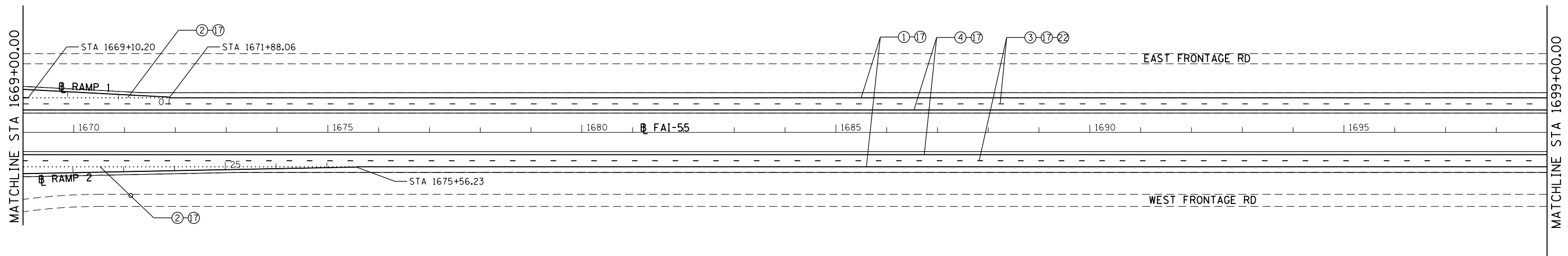
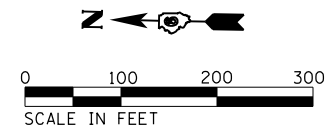


FLOOR DRAIN

NORTH & SOUTH BD. LANES
SUPERSTRUCTURE
FAI, RT. 55 SEC. 68-IVB
MONTGOMERY COUNTY
STA. 14+30.00

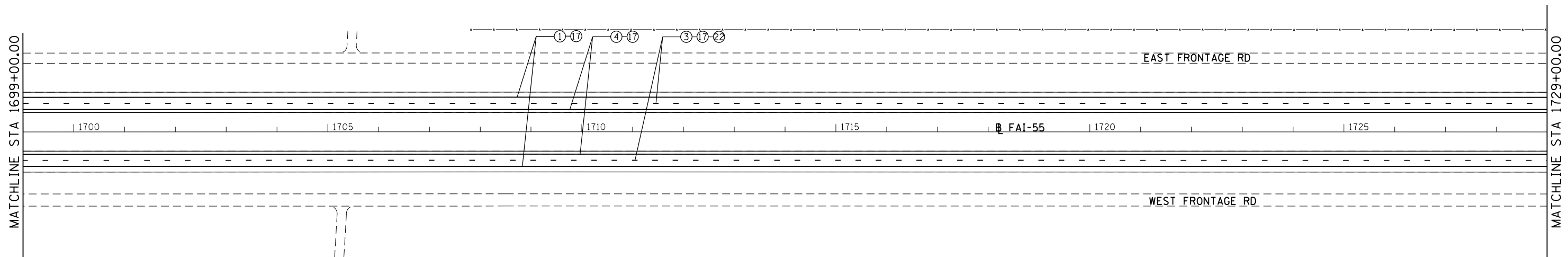
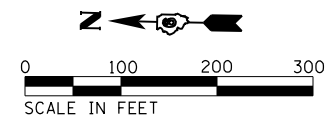
DESIGNED <i>A. V. Klayton</i>	EXAMINED <i>Dec. 21 1970</i>
CHECKED Rao. G. K.	PASSED
DRAWN	APPROVED
CHECKED Rao. G. K.	CHIEF HIGHWAY ENGINEER

I-4 to 6-L (>30°) 3-1-68



PAVEMENT MARKING LEGEND

①	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(SOLID WHITE LINE)	⑬	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 8"	(SOLID WHITE LINE)
②	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(DOTTED WHITE LINE)	⑭	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 12"	(SOLID WHITE LINE)
③	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(WHITE SKIP DASH)	⑮	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 24"	(SOLID WHITE LINE)
④	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(SOLID YELLOW LINE)	⑯	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID -	(WHITE SYMBOLS)
⑤	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(DOUBLE YELLOW LINE)	⑰	LETTERS AND SYMBOLS	(WHITE SYMBOLS)
⑥	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(YELLOW SKIP DASH)	⑱	GROOVING FOR RECESSED PAVEMENT MARKING 6"	
⑦	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	(SOLID WHITE LINE)	⑲	GROOVING FOR RECESSED PAVEMENT MARKING 9"	
⑧	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	(SOLID WHITE LINE)	⑳	GROOVING FOR RECESSED PAVEMENT MARKING 13"	
⑨	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	(SOLID WHITE LINE)	㉑	GROOVING FOR RECESSED PAVEMENT MARKING 25"	
⑩	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	(SOLID YELLOW LINE)	㉒	GROOVING FOR RECESSED PAVEMENT MARKING LETTER AND SYMBOLS	
⑪	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	(SOLID WHITE LINE)	㉓	RAISED REFLECTIVE PAVEMENT MARKER	
⑫	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	(SOLID WHITE LINE)			
⑬	MODIFIED URETHANE PAVEMENT MARKING, -	(WHITE SYMBOLS)			
	LETTERS AND SYMBOLS				



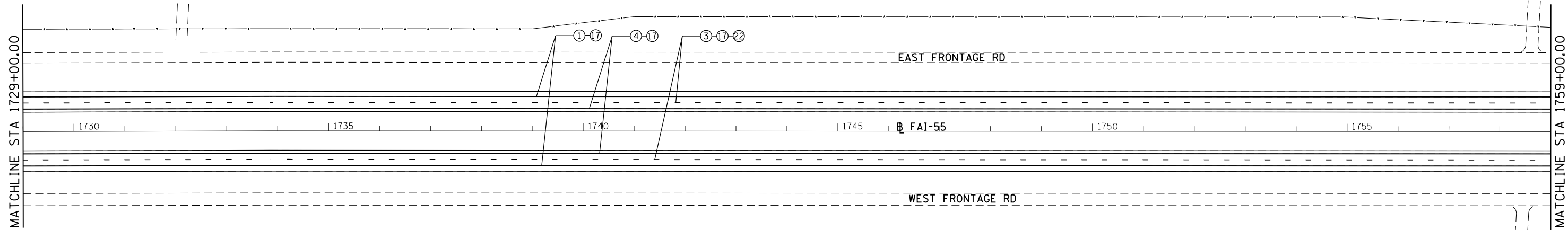
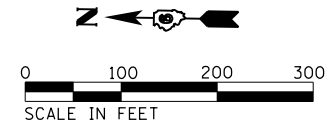
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
I-55**

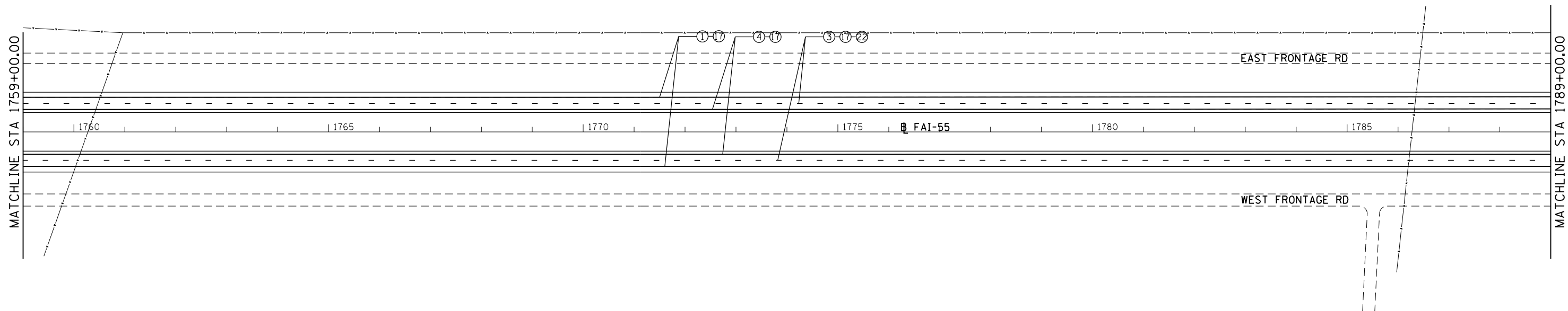
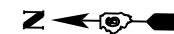
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	227
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND

① MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(SOLID WHITE LINE)	⑬ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 8"	(SOLID WHITE LINE)
② MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(DOTTED WHITE LINE)	⑭ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 12"	(SOLID WHITE LINE)
③ MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(WHITE SKIP DASH)	⑮ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 24"	(SOLID WHITE LINE)
④ MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(SOLID YELLOW LINE)	⑯ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID -	(WHITE SYMBOLS)
⑤ MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(DOUBLE YELLOW LINE)	LETTERS AND SYMBOLS	
⑥ MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(YELLOW SKIP DASH)	⑰ GROOVING FOR RECESSED PAVEMENT MARKING 6"	
⑦ MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	(SOLID WHITE LINE)	⑱ GROOVING FOR RECESSED PAVEMENT MARKING 9"	
⑧ MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	(SOLID WHITE LINE)	⑲ GROOVING FOR RECESSED PAVEMENT MARKING 13"	
⑨ MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	(SOLID WHITE LINE)	⑳ GROOVING FOR RECESSED PAVEMENT MARKING 25"	
⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	(SOLID YELLOW LINE)	㉑ GROOVING FOR RECESSED PAVEMENT MARKING LETTER AND SYMBOLS	
⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	(SOLID WHITE LINE)	㉒ RAISED REFLECTIVE PAVEMENT MARKER	
⑫ MODIFIED URETHANE PAVEMENT MARKING, -	(WHITE SYMBOLS)		
LETTERS AND SYMBOLS			



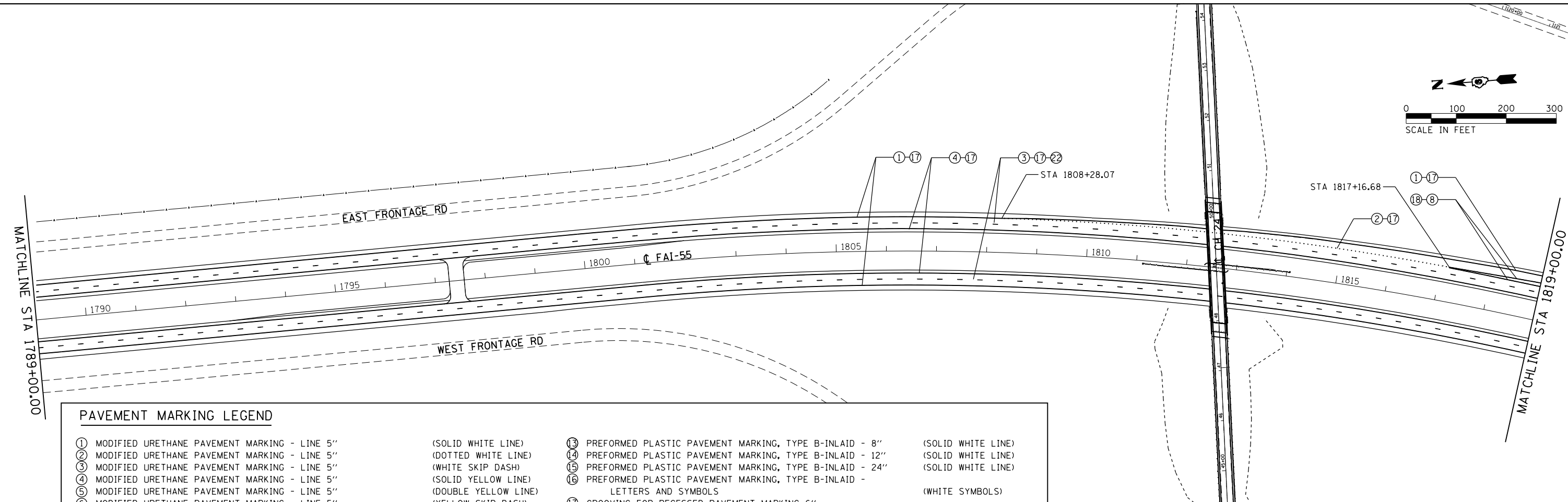
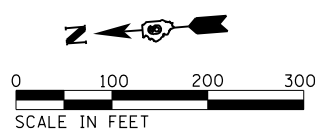
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

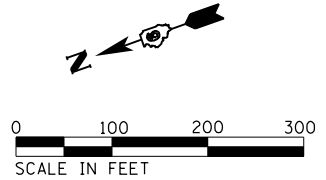
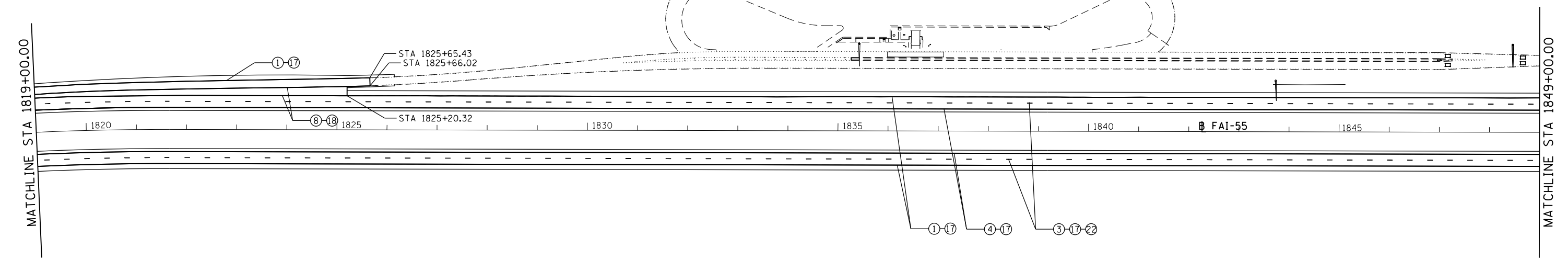
**PAVEMENT MARKING PLAN
I-55**

SCALE: 1" = 100' SHEET OF SHEETS STA. 1729+00.00 TO STA. 1789+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	228
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND					
①	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(SOLID WHITE LINE)	⑬	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 8"	(SOLID WHITE LINE)
②	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(DOTTED WHITE LINE)	⑭	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 12"	(SOLID WHITE LINE)
③	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(WHITE SKIP DASH)	⑮	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 24"	(SOLID WHITE LINE)
④	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(SOLID YELLOW LINE)	⑯	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID -	(WHITE SYMBOLS)
⑤	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(DOUBLE YELLOW LINE)	⑰	LETTERS AND SYMBOLS	(WHITE SYMBOLS)
⑥	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(YELLOW SKIP DASH)	⑱	GROOVING FOR RECESSED PAVEMENT MARKING 6"	
⑦	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	(SOLID WHITE LINE)	⑲	GROOVING FOR RECESSED PAVEMENT MARKING 9"	
⑧	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	(SOLID WHITE LINE)	⑳	GROOVING FOR RECESSED PAVEMENT MARKING 13"	
⑨	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	(SOLID WHITE LINE)	㉑	GROOVING FOR RECESSED PAVEMENT MARKING 25"	
⑩	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	(SOLID YELLOW LINE)	㉒	GROOVING FOR RECESSED PAVEMENT MARKING LETTER AND SYMBOLS	
⑪	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	(SOLID WHITE LINE)	㉓	RAISED REFLECTIVE PAVEMENT MARKER	
⑫	MODIFIED URETHANE PAVEMENT MARKING, -	(WHITE SYMBOLS)			
	LETTERS AND SYMBOLS	(WHITE SYMBOLS)			



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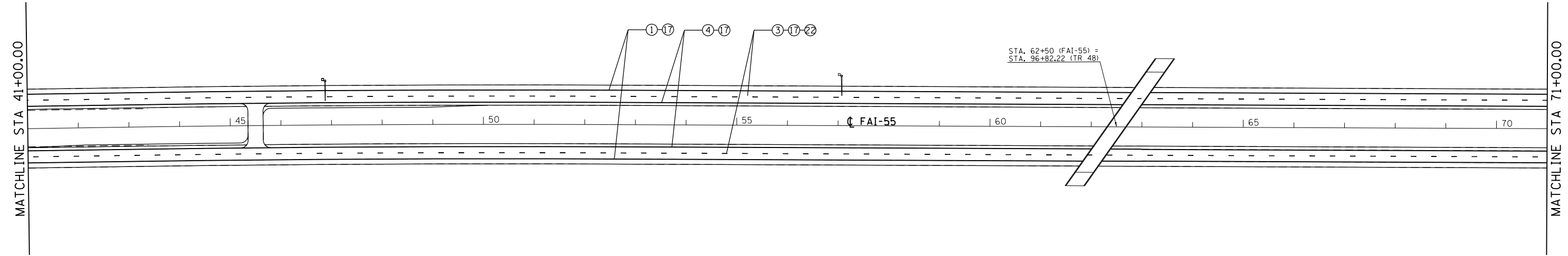
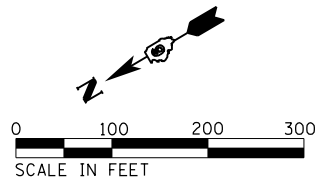
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

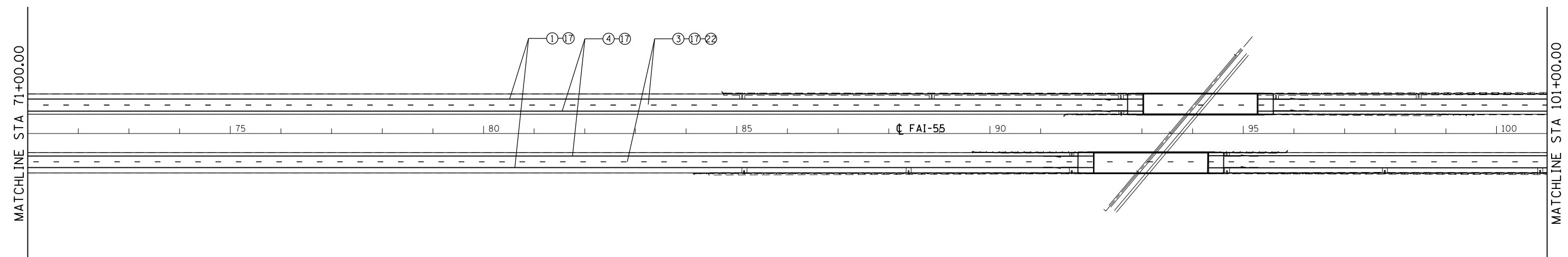
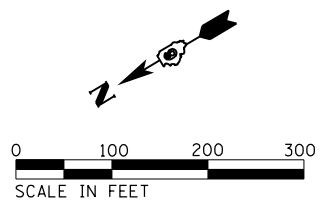
PAVEMENT MARKING PLAN
I-55
SCALE: 1" = 100'
SHEET OF SHEETS STA. 1789+00.00 TO STA. 1849+00.00

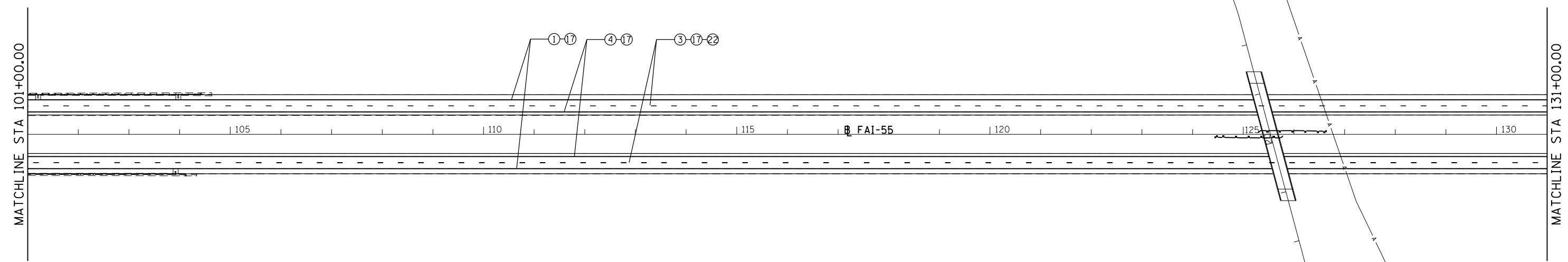
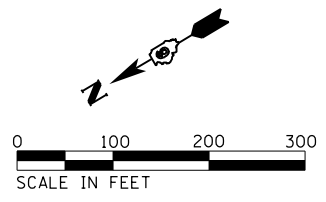
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	229
CONTRACT NO. 72D31				
ILLINOIS FED. AID PROJECT				



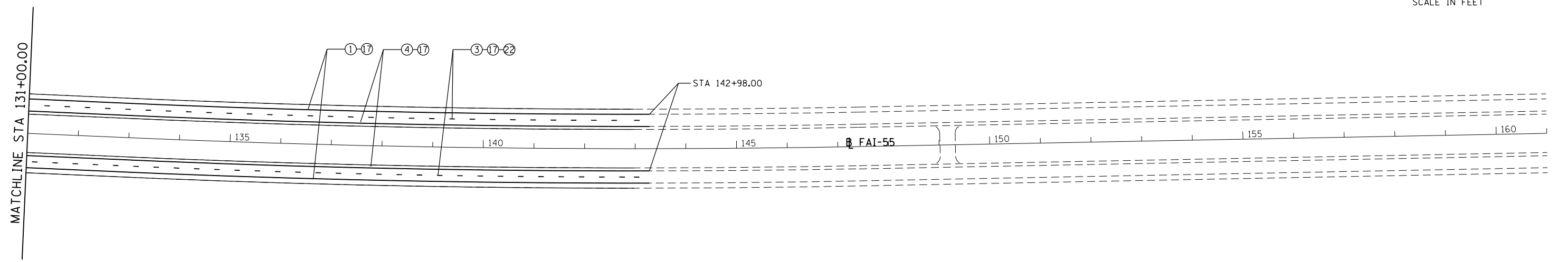
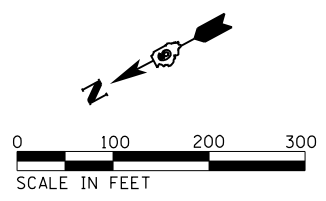
PAVEMENT MARKING LEGEND

- | | | | |
|---|----------------------|---|--------------------|
| ① MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | (SOLID WHITE LINE) | ⑬ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 8" | (SOLID WHITE LINE) |
| ② MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | (DOTTED WHITE LINE) | ⑭ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 12" | (SOLID WHITE LINE) |
| ③ MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | (WHITE SKIP DASH) | ⑮ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 24" | (SOLID WHITE LINE) |
| ④ MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | (SOLID YELLOW LINE) | ⑯ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - | |
| ⑤ MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | (DOUBLE YELLOW LINE) | LETTERS AND SYMBOLS | (WHITE SYMBOLS) |
| ⑥ MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | (YELLOW SKIP DASH) | ⑰ GROOVING FOR RECESSED PAVEMENT MARKING 6" | |
| ⑦ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" | (SOLID WHITE LINE) | ⑱ GROOVING FOR RECESSED PAVEMENT MARKING 9" | |
| ⑧ MODIFIED URETHANE PAVEMENT MARKING - LINE 8" | (SOLID WHITE LINE) | ⑲ GROOVING FOR RECESSED PAVEMENT MARKING 13" | |
| ⑨ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" | (SOLID WHITE LINE) | ⑳ GROOVING FOR RECESSED PAVEMENT MARKING 25" | |
| ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" | (SOLID YELLOW LINE) | ㉑ GROOVING FOR RECESSED PAVEMENT MARKING LETTER AND SYMBOLS | |
| ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 24" | (SOLID WHITE LINE) | ㉒ RAISED REFLECTIVE PAVEMENT MARKER | |
| ⑫ MODIFIED URETHANE PAVEMENT MARKING, - | (WHITE SYMBOLS) | | |
| LETTERS AND SYMBOLS | | | |



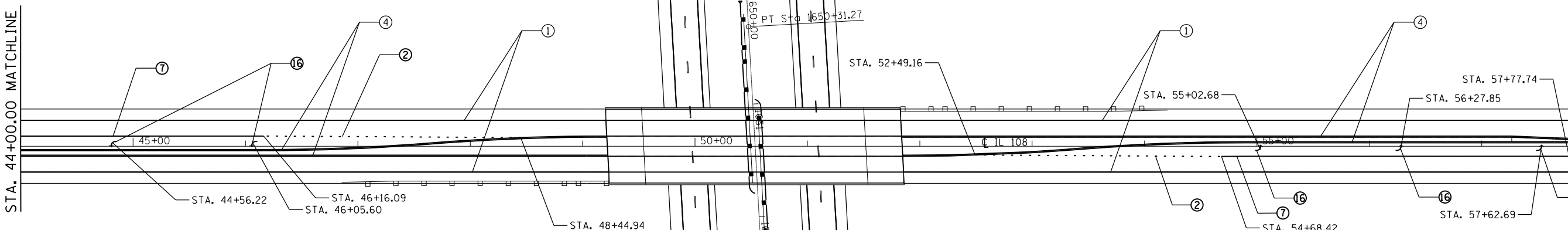


PAVEMENT MARKING LEGEND			
①	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(SOLID WHITE LINE)	
②	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(DOTTED WHITE LINE)	
③	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(WHITE SKIP DASH)	
④	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(SOLID YELLOW LINE)	
⑤	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(DOUBLE YELLOW LINE)	
⑥	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(YELLOW SKIP DASH)	
⑦	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	(SOLID WHITE LINE)	
⑧	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	(SOLID WHITE LINE)	
⑨	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	(SOLID WHITE LINE)	
⑩	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	(SOLID YELLOW LINE)	
⑪	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	(SOLID WHITE LINE)	
⑫	MODIFIED URETHANE PAVEMENT MARKING, - LETTERS AND SYMBOLS	(WHITE SYMBOLS)	
⑬	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 8"	(SOLID WHITE LINE)	
⑭	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 12"	(SOLID WHITE LINE)	
⑮	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 24"	(SOLID WHITE LINE)	
⑯	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - LETTERS AND SYMBOLS	(WHITE SYMBOLS)	
⑰	GROOVING FOR RECESSED PAVEMENT MARKING 6"		
⑱	GROOVING FOR RECESSED PAVEMENT MARKING 9"		
⑲	GROOVING FOR RECESSED PAVEMENT MARKING 13"		
⑳	GROOVING FOR RECESSED PAVEMENT MARKING 25"		
㉑	GROOVING FOR RECESSED PAVEMENT MARKING LETTER AND SYMBOLS		
㉒	RAISED REFLECTIVE PAVEMENT MARKER		



STA. 44+00.00 MATCHLINE

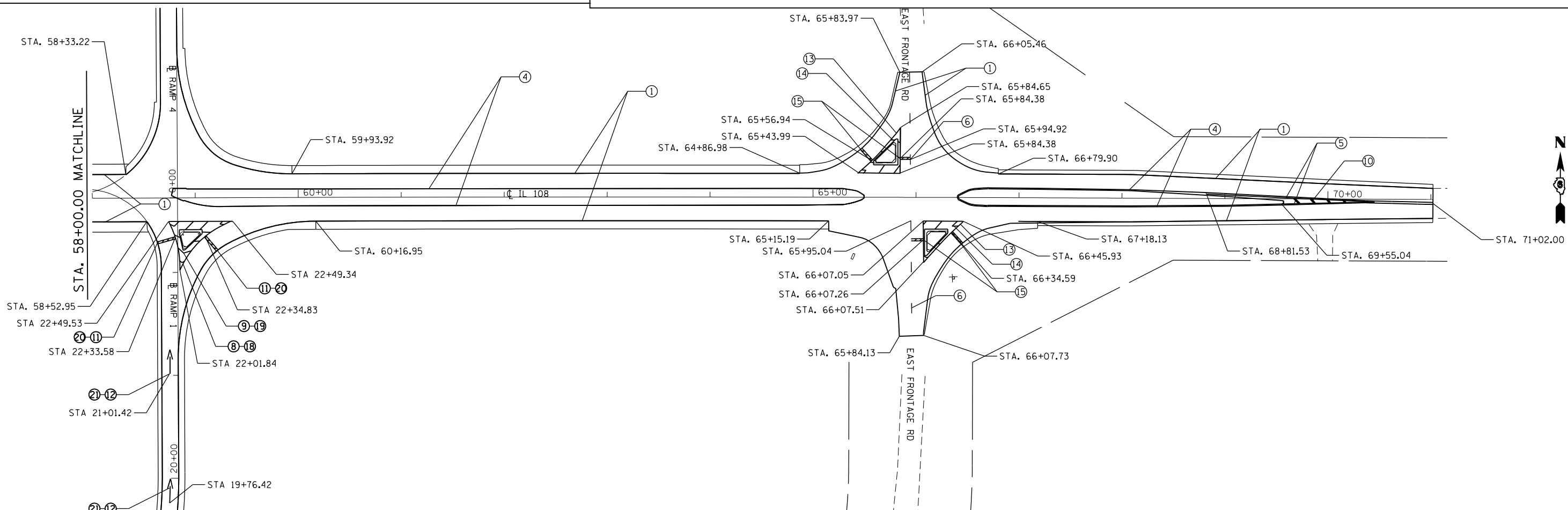
STA. 58+00.00 MATCHLINE



PAVEMENT MARKING LEGEND

- | | | | |
|---|----------------------|---|--------------------|
| ① MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | (SOLID WHITE LINE) | ⑬ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 8" | (SOLID WHITE LINE) |
| ② MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | (DOTTED WHITE LINE) | ⑭ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 12" | (SOLID WHITE LINE) |
| ③ MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | (WHITE SKIP DASH) | ⑮ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 24" | (SOLID WHITE LINE) |
| ④ MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | (SOLID YELLOW LINE) | ⑯ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - LETTERS AND SYMBOLS | (WHITE SYMBOLS) |
| ⑤ MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | (DOUBLE YELLOW LINE) | ⑰ GROOVING FOR RECESSED PAVEMENT MARKING 6" | |
| ⑥ MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | (YELLOW SKIP DASH) | ⑱ GROOVING FOR RECESSED PAVEMENT MARKING 9" | |
| ⑦ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" | (SOLID WHITE LINE) | ⑲ GROOVING FOR RECESSED PAVEMENT MARKING 13" | |
| ⑧ MODIFIED URETHANE PAVEMENT MARKING - LINE 8" | (SOLID WHITE LINE) | ⑳ GROOVING FOR RECESSED PAVEMENT MARKING 25" | |
| ⑨ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" | (SOLID WHITE LINE) | ㉑ GROOVING FOR RECESSED PAVEMENT MARKING LETTER AND SYMBOLS | |
| ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" | (SOLID YELLOW LINE) | ㉒ RAISED REFLECTIVE PAVEMENT MARKER | |
| ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 24" | (SOLID WHITE LINE) | | |
| ⑫ MODIFIED URETHANE PAVEMENT MARKING, - LETTERS AND SYMBOLS | (WHITE SYMBOLS) | | |

STA. 58+00.00 MATCHLINE



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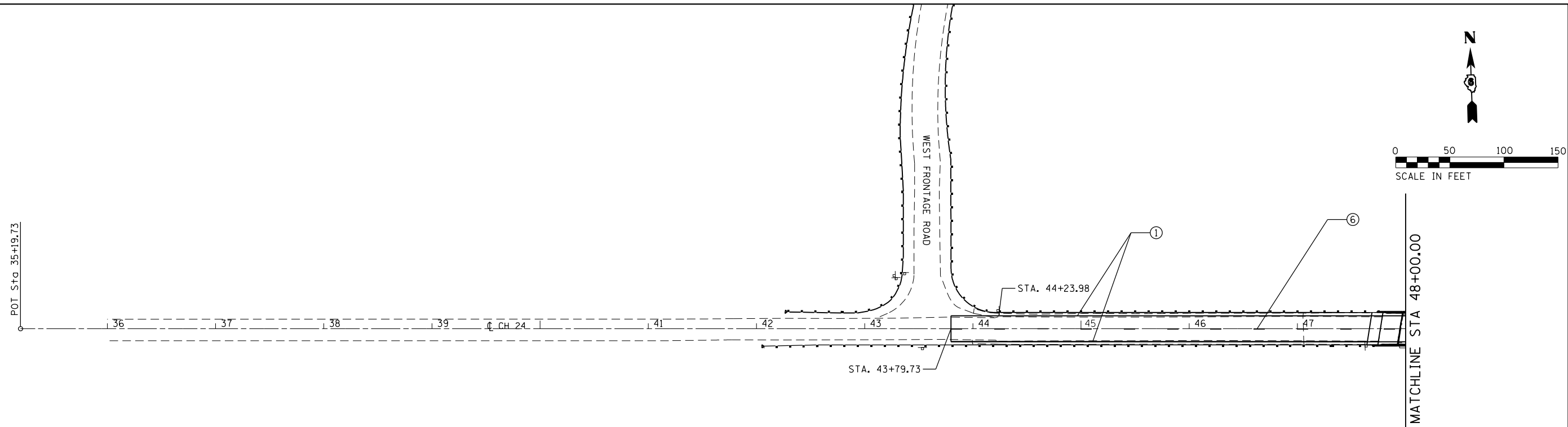
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
 IL 108

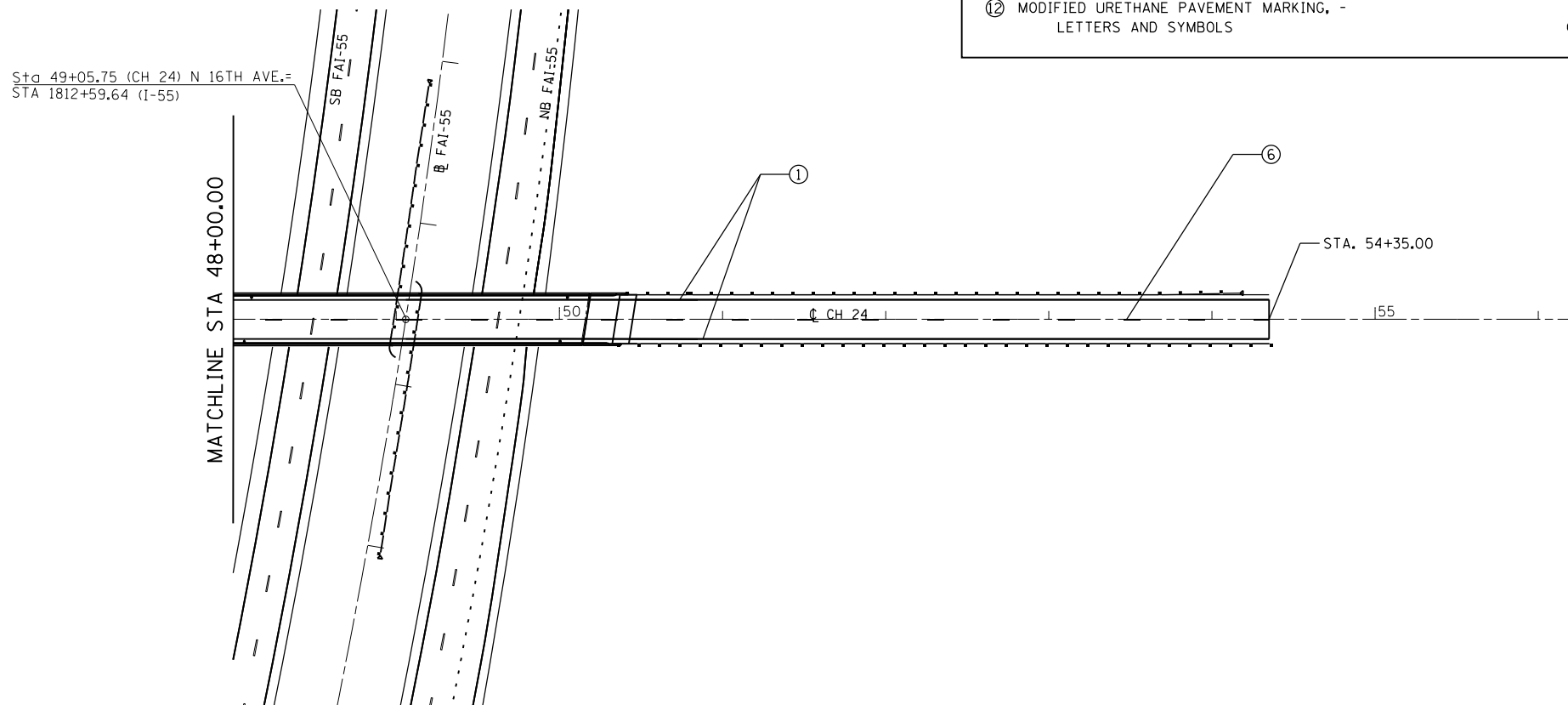
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 SHEET OF SHEETS STA. 44+00.00 TO STA. 70+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3)RS-3,(68-2)RS-5	MONTGOMERY	307	234
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND

①	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(SOLID WHITE LINE)	⑬	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 8"	(SOLID WHITE LINE)
②	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(DOTTED WHITE LINE)	⑭	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 12"	(SOLID WHITE LINE)
③	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(WHITE SKIP DASH)	⑮	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - 24"	(SOLID WHITE LINE)
④	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(SOLID YELLOW LINE)	⑯	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID -	(SOLID WHITE LINE)
⑤	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(DOUBLE YELLOW LINE)	⑰	LETTERS AND SYMBOLS	(WHITE SYMBOLS)
⑥	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	(YELLOW SKIP DASH)	⑱	GROOVING FOR RECESSED PAVEMENT MARKING 6"	
⑦	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	(SOLID WHITE LINE)	⑲	GROOVING FOR RECESSED PAVEMENT MARKING 9"	
⑧	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	(SOLID WHITE LINE)	⑳	GROOVING FOR RECESSED PAVEMENT MARKING 13"	
⑨	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	(SOLID WHITE LINE)	㉑	GROOVING FOR RECESSED PAVEMENT MARKING 25"	
⑩	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	(SOLID YELLOW LINE)	㉒	GROOVING FOR RECESSED PAVEMENT MARKING LETTER AND SYMBOLS	
⑪	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	(SOLID WHITE LINE)	㉓	RAISED REFLECTIVE PAVEMENT MARKER	
⑫	MODIFIED URETHANE PAVEMENT MARKING, -	(WHITE SYMBOLS)			
	LETTERS AND SYMBOLS				



FILE NAME = D672031-sht-pmk-CH24.dgn	USER NAME = korider	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN CH 24			F.A.I. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	235
Default	PLOT DATE = 12/10/2019 - 7:23:06 PM	DATE -	REVISED -	SCALE: 1" = 50'	SHEET OF SHEETS	STA. 35+19.73 TO STA. 56+22.51	CONTRACT NO. 72D31 ILLINOIS FED. AID PROJECT					

GENERAL NOTES

1. NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.
2. ELECTRIC SERVICE SHALL BE IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.

LIGHTING SCHEDULE OF QUANTITIES

80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	355
81603000	UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	9250
82500340	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 480VOLT, 60 AMP	EACH	1
83062730	LIGHT POLE, WEATHERING STEEL, 45 FT. M.H., TENON MOUNT	EACH	2
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8"x6"	EACH	2
83800650	BREAKWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	EACH	8
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	2
84200804	REMOVAL OF POLE FOUNDATION	EACH	2
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	9250
8211008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	2
8211015	LUMINAIRE, LED, HIGHMAST, OUTPUT DESIGNATION H	EACH	16
X0323710	REMOVE CONDUIT ATTACHED TO STRUCTURE	FOOT	300
81028770	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	260
X8210402	LUMINAIRE MOUNTING BRACKET-SPECIAL	EACH	2

HIGHWAY STANDARDS

821101-02	LUMINAIRE WIRING IN POLE
825016-04	LIGHTING CONTROLLER PEDESTAL MOUNTED, 480V
830021-03	LIGHT POLE STEEL TENON TOP
836001-04	LIGHT POLE FOUNDATION

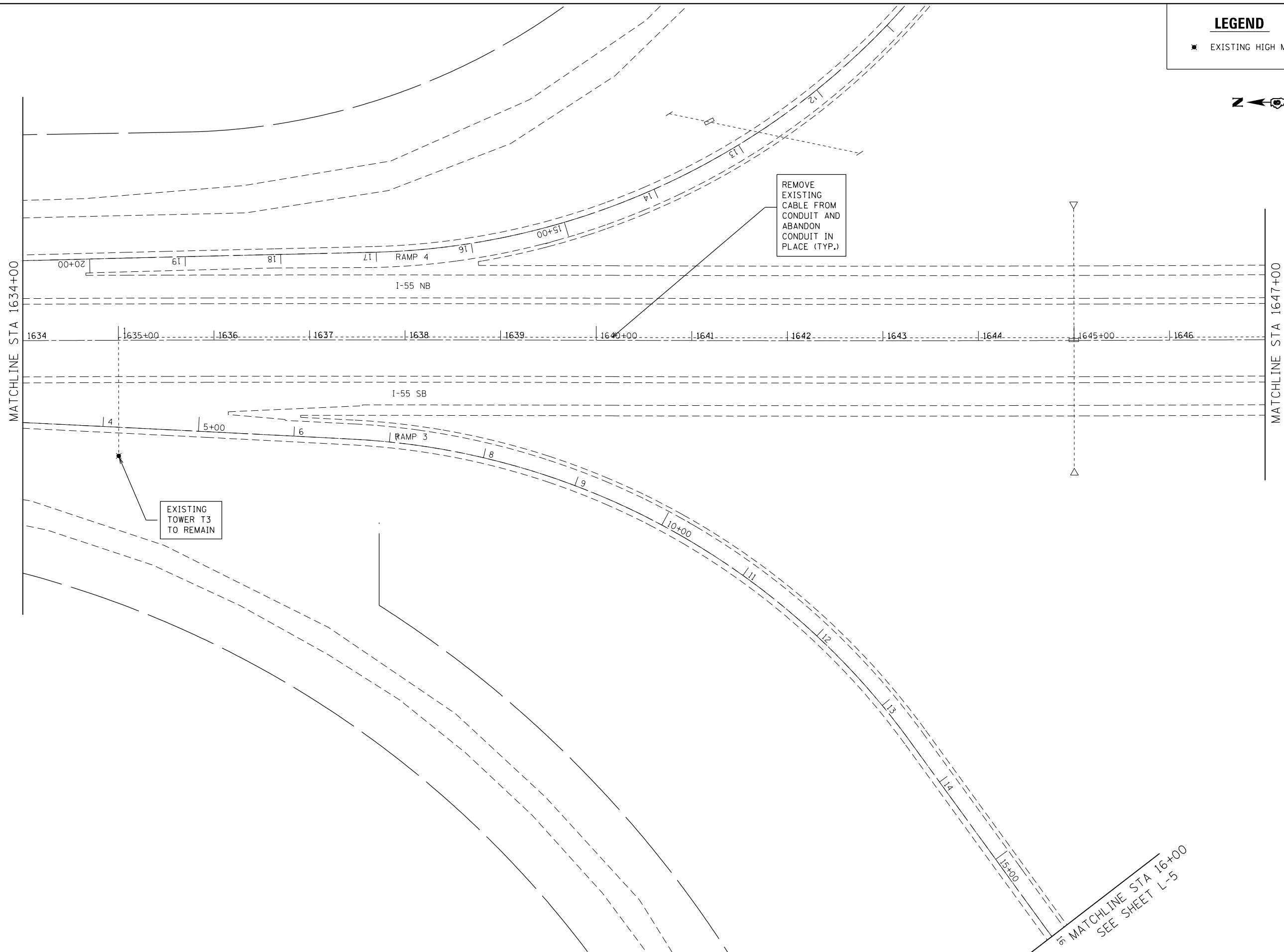
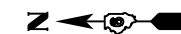
INDEX OF SHEETS

L-1	GENERAL NOTES, SCHEDULES AND INDEX OF DRAWINGS
L-2	LIGHTING REMOVAL PLAN
L-3	LIGHTING REMOVAL PLAN
L-4	LIGHTING REMOVAL PLAN
L-5	LIGHTING REMOVAL PLAN
L-6	LIGHTING REMOVAL PLAN
L-7	PROPOSED LIGHTING PLAN
L-8	PROPOSED LIGHTING PLAN
L-9	PROPOSED LIGHTING PLAN
L-10	PROPOSED LIGHTING PLAN
L-11	PROPOSED LIGHTING PLAN
L-12	TOWER CONFIGURATION DIAGRAMS
L-13	WIRING DIAGRAMS

FILE NAME = D672031-sht-lighting-IL108.dgn	USER NAME = korider	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING GENERAL NOTES, SCHEDULES AND INDEX OF DRAWINGS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -			55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	236	
	PLOT DATE = 12/19/2019 - 11:24:34 AM	CHECKED -	REVISED -			CONTRACT NO. 72D31					
		DATE -	REVISED -			SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

LEGEND

✱ EXISTING HIGH MAST TOWER TO REMAIN



FILE NAME = D672031-sht-lighting-IL108.dgn
 Default

USER NAME = korider
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 12/19/2019 - 11:24:35 AM

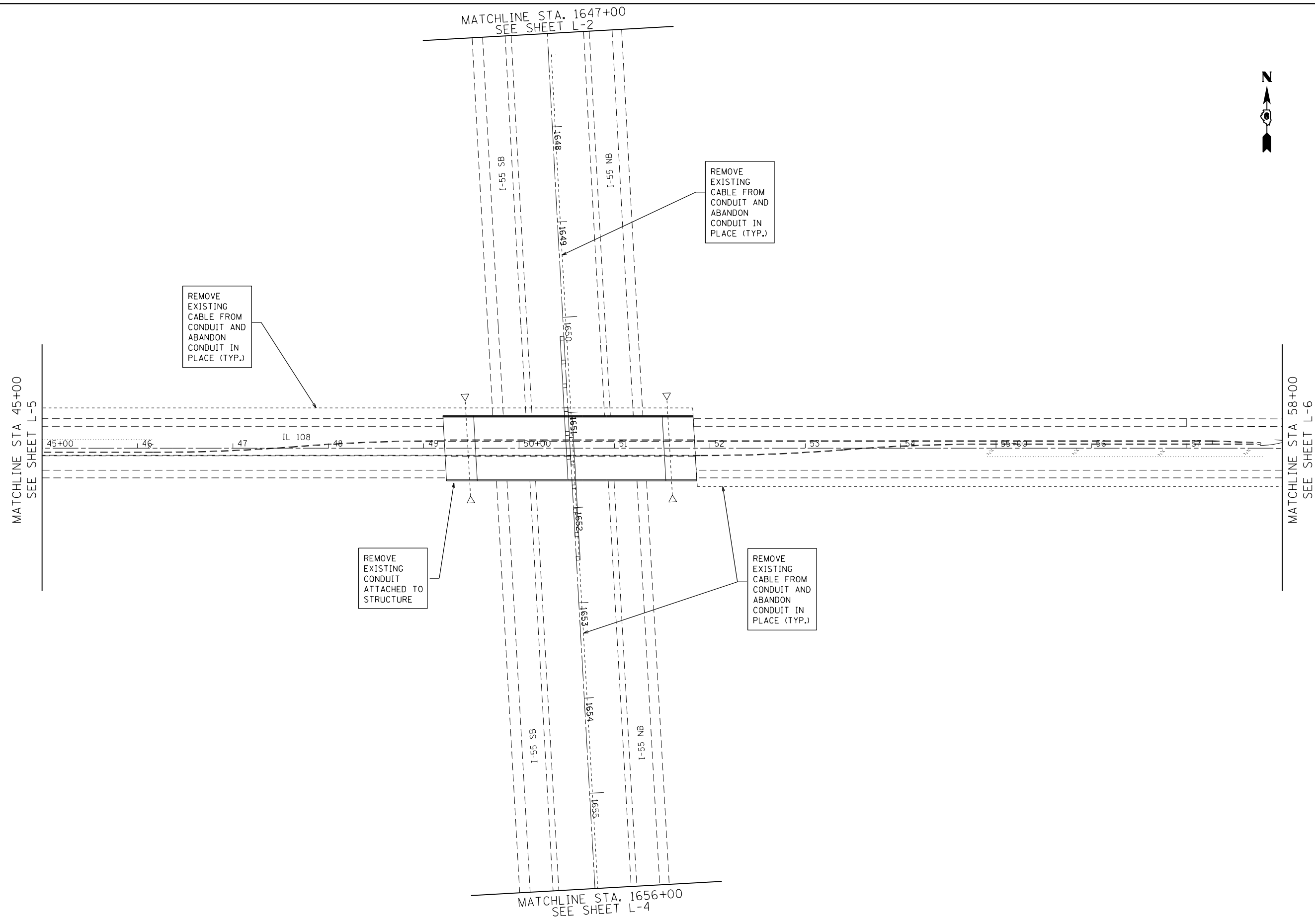
DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL PLAN
 I-55 STA. 1634 + 00 TO STA. 1647 + 00**
 SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	237
CONTRACT NO.			72D31	
ILLINOIS FED. AID PROJECT				

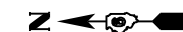


L-3

FILE NAME = D672031-sht-lighting-IL108.dgn	USER NAME = korider	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING REMOVAL PLAN IL 108 STA. 45+00 TO STA. 58+00			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	238			
Default	PLOT DATE = 12/19/2019 - 11:24:35 AM	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 72D31
		DATE -	REVISED -									ILLINOIS FED. AID PROJECT

LEGEND

✱ EXISTING HIGH MAST TOWER TO REMAIN



MATCHLINE STA 16+00
SEE SHEET L-6

MATCHLINE STA 1656+00
SEE SHEET L-3

REMOVE
EXISTING
CABLE FROM
CONDUIT AND
ABANDON
CONDUIT IN
PLACE (TYP.)

EXISTING
TOWER T2
TO REMAIN

1656 | 1657 | 1658 | 1659 | 1660 | 1661 | 1662 | 1663 | 1664 | 1665 | 1666 | 1667 | 1668 | 1669

I-55 NB

I-55 SB

RAMP 1

RAMP 2

L-4

FILE NAME = D672031-sht-lighting-IL108.dgn	USER NAME = kcorider	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -
Default	PLOT DATE = 12/19/2019 - 11:24:36 AM		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

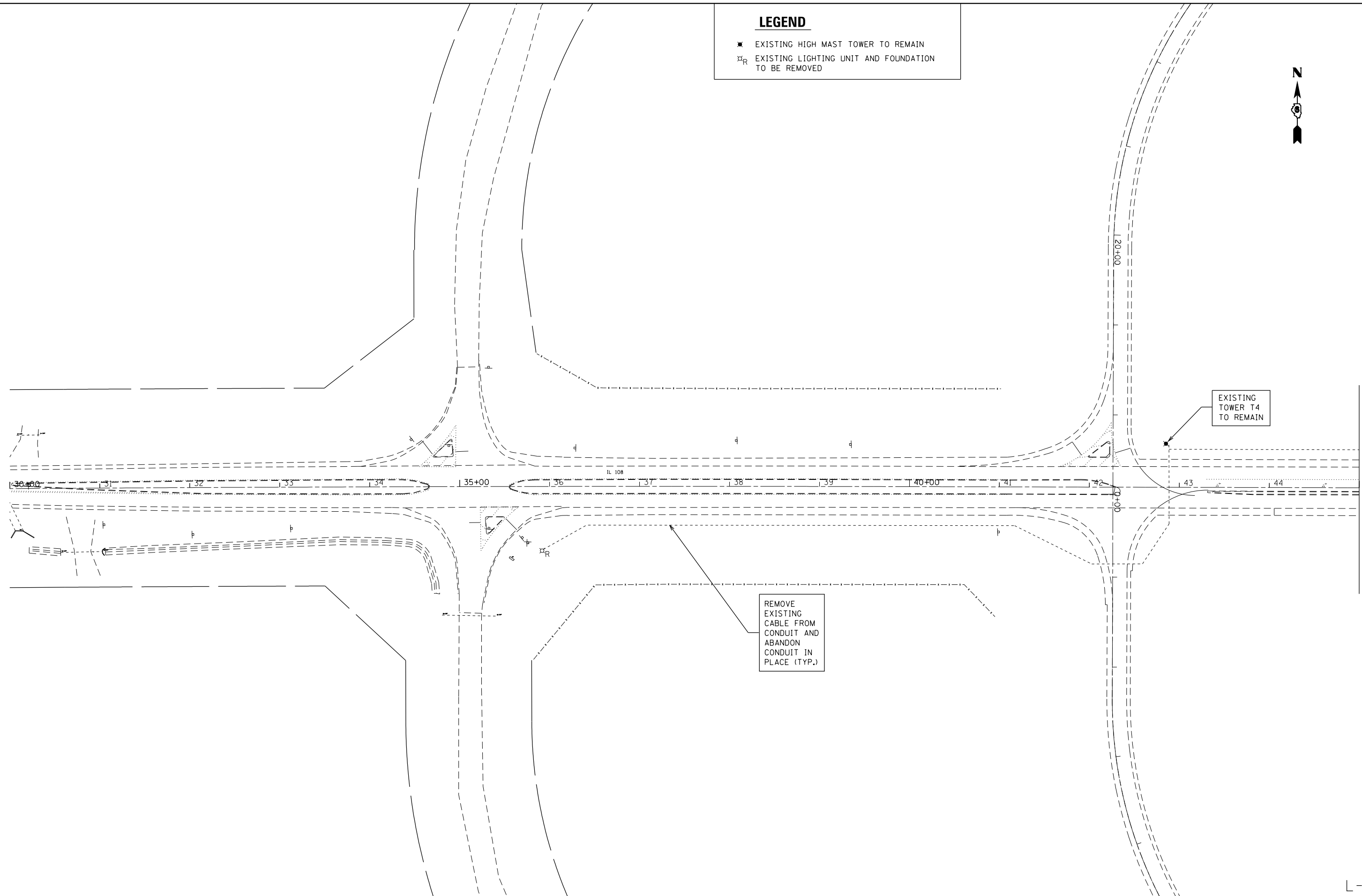
**LIGHTING REMOVAL PLAN
I-55 STA. 1656 + 00 TO STA. 1670 + 00**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	239
CONTRACT NO.			72D31	
ILLINOIS FED. AID PROJECT				

LEGEND

- ★ EXISTING HIGH MAST TOWER TO REMAIN
- ⊠_R EXISTING LIGHTING UNIT AND FOUNDATION TO BE REMOVED



REMOVE
EXISTING
CABLE FROM
CONDUIT AND
ABANDON
CONDUIT IN
PLACE (TYP.)

EXISTING
TOWER T4
TO REMAIN

MATCHLINE STA 45+00.00
SEE SHEET L-3

L-5

FILE NAME = D672031-sht-lighting-IL108.dgn	USER NAME = karider	DESIGNED -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
	PLOT DATE = 12/19/2019 - 11:24:37 AM	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL PLAN
IL 108 STA. 30+00 TO STA. 45+00**

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

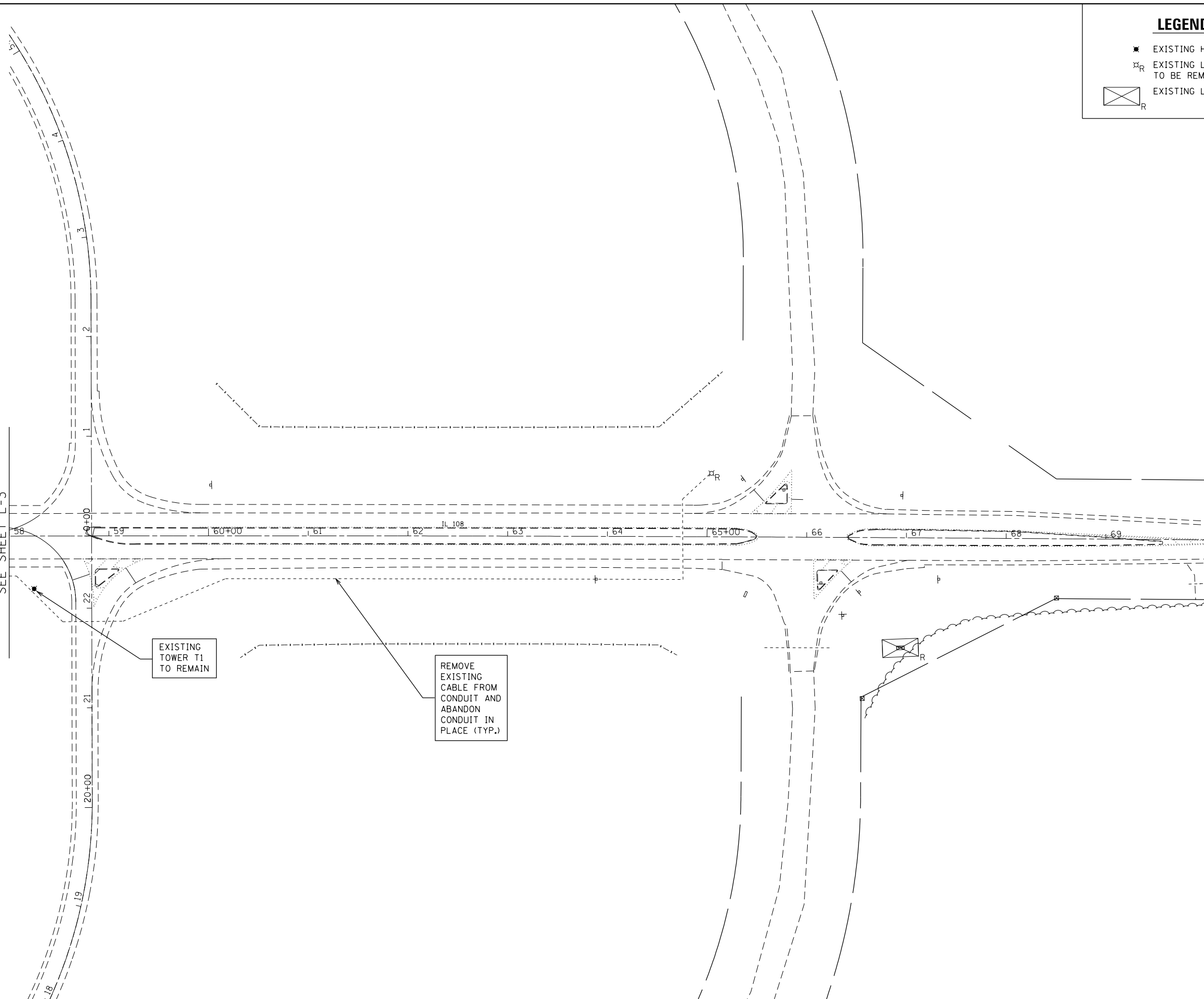
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	240
CONTRACT NO.			72031	
ILLINOIS FED. AID PROJECT				

LEGEND

- ★ EXISTING HIGH MAST TOWER TO REMAIN
- ⊠_R EXISTING LIGHTING UNIT AND FOUNDATION TO BE REMOVED
- ⊠_R EXISTING LIGHTING CONTROLLER TO BE REMOVED



MATCHLINE STA 58+00.00
SEE SHEET L-3



EXISTING TOWER T1 TO REMAIN

REMOVE EXISTING CABLE FROM CONDUIT AND ABANDON CONDUIT IN PLACE (TYP.)

L-6

FILE NAME = D672031-sht-lighting-IL108.dgn	USER NAME = korider	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING REMOVAL PLAN IL 108 STA. 58+00 TO STA. 70+00			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
Default	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	241
	PLOT DATE = 12/19/2019 - 11:24:38 AM	CHECKED -	REVISED -			CONTRACT NO. 72D31										
												ILLINOIS FED. AID PROJECT				

LEGEND



EXISTING HIGH MAST TOWER WITH (4) LUMINAIRES. REPLACE EXISTING LUMINAIRES WITH LED LUMINAIRES WITH BROWN FINISH. LUMINAIRE CONFIGURATION AS SHOWN ON SHEET L-12



PROPOSED LIGHTING UNIT, LED, ROADWAY, OUTPUT DESIGNATION H, BROWN HOUSING, 45' MOUNTING HEIGHT, 1' ARM, HELIX FOUNDATION WITH BREAK AWAY COUPLINGS.



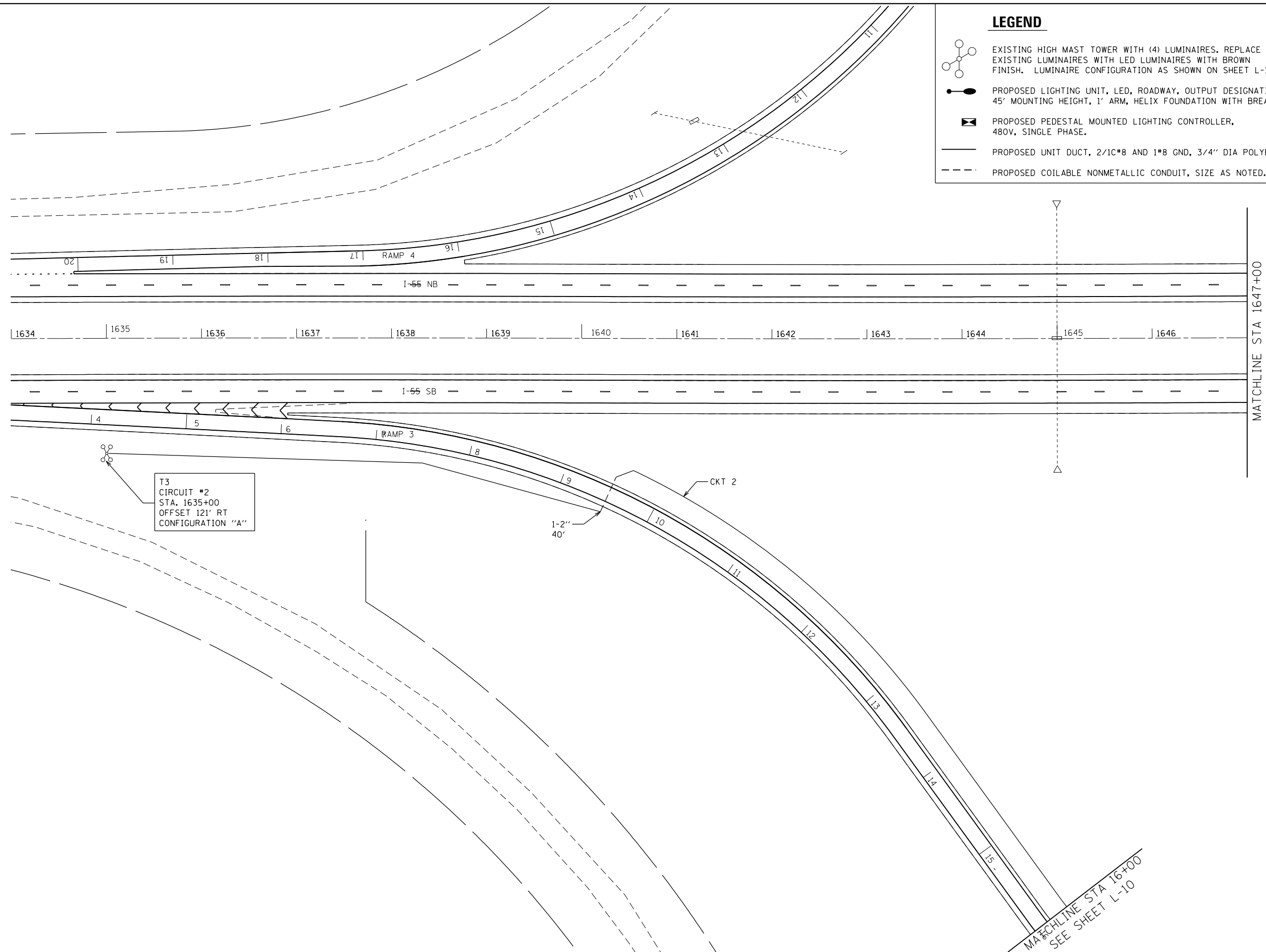
PROPOSED PEDESTAL MOUNTED LIGHTING CONTROLLER, 480V, SINGLE PHASE.



PROPOSED UNIT DUCT, 2/1C#8 AND 1#8 GND, 3/4" DIA POLYETHYLENE



PROPOSED COILLABLE NONMETALLIC CONDUIT, SIZE AS NOTED.



MATCHLINE STA 1647+00

MATCHLINE STA 16+00
SEE SHEET L-10

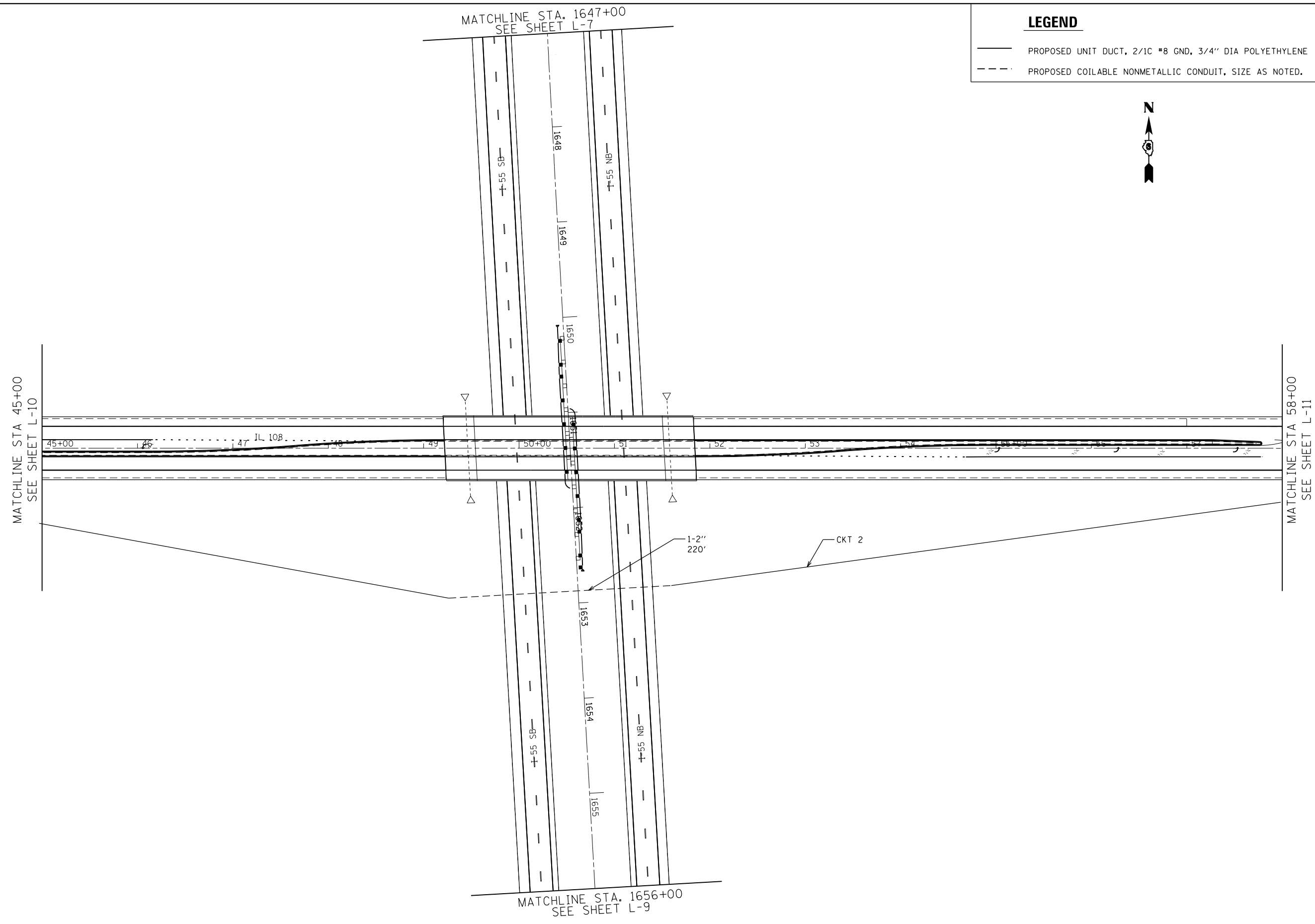
L-7

FILE NAME = D672031-sht-lighting-IL108.dgn	USER NAME = korider	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN I-55 STA. 1634 + 00 TO STA. 1647 + 00			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	242
Default	PLOT DATE = 12/19/2019 - 11:24:41 AM	DATE -	REVISED -	SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 72D31 ILLINOIS FED. AID PROJECT	

LEGEND

— PROPOSED UNIT DUCT, 2/1C #8 GND, 3/4" DIA POLYETHYLENE

- - - PROPOSED COILABLE NONMETALLIC CONDUIT, SIZE AS NOTED.








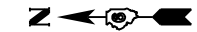
L-8

FILE NAME = D672031-sht-lighting-IL108.dgn	USER NAME = korider	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN IL 108 STA. 45+00 TO STA. 58+00			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	243			
Default	PLOT DATE = 12/19/2019 - 11:24:42 AM	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 72D31
		DATE -	REVISED -									ILLINOIS FED. AID PROJECT

MATCHLINE STA 16+00
SEE SHEET L-11

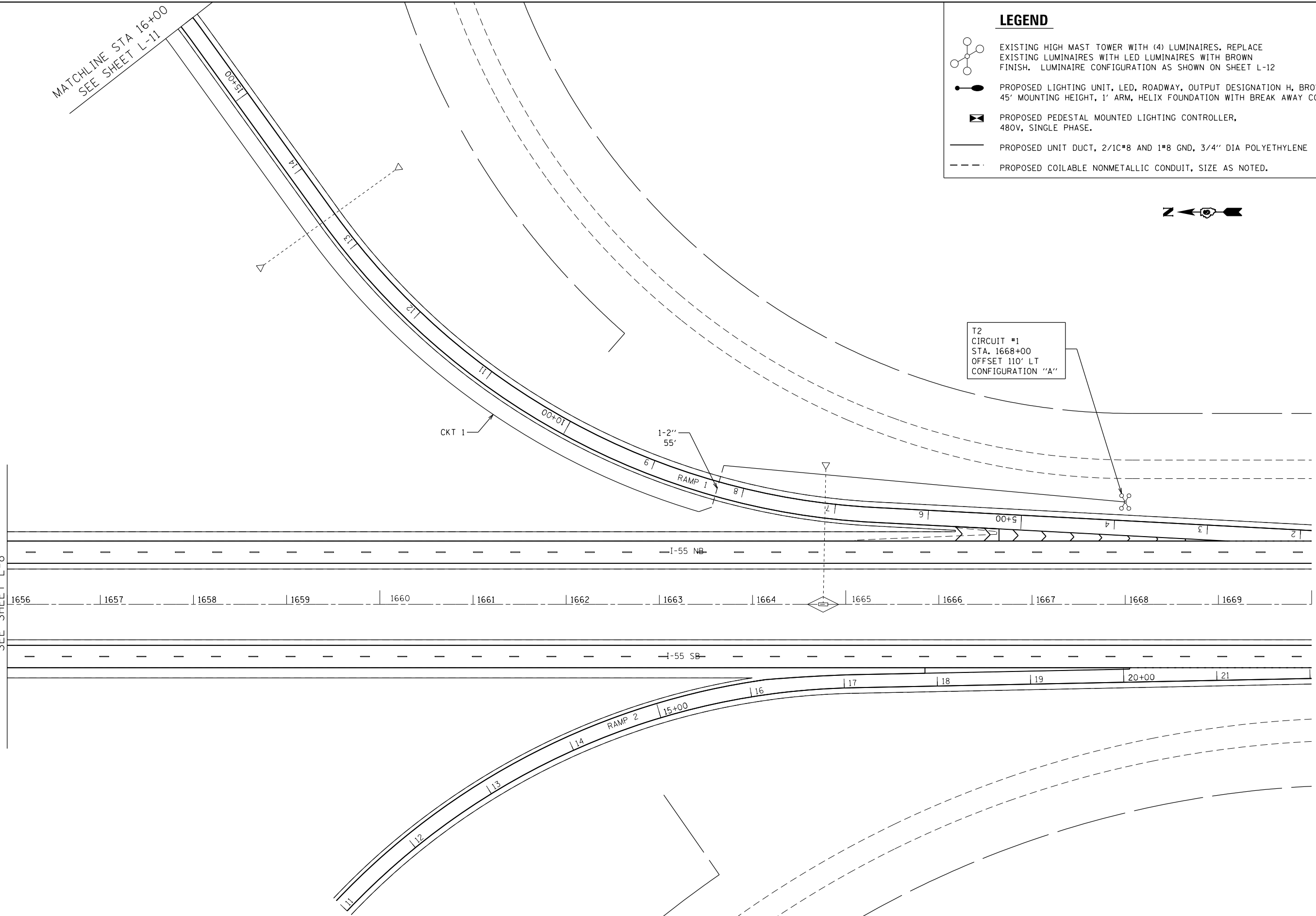
LEGEND

-  EXISTING HIGH MAST TOWER WITH (4) LUMINAIRES. REPLACE EXISTING LUMINAIRES WITH LED LUMINAIRES WITH BROWN FINISH. LUMINAIRE CONFIGURATION AS SHOWN ON SHEET L-12
-  PROPOSED LIGHTING UNIT, LED, ROADWAY, OUTPUT DESIGNATION H, BROWN HOUSING, 45' MOUNTING HEIGHT, 1' ARM, HELIX FOUNDATION WITH BREAK AWAY COUPLINGS.
-  PROPOSED PEDESTAL MOUNTED LIGHTING CONTROLLER, 480V, SINGLE PHASE.
-  PROPOSED UNIT DUCT, 2/1C*8 AND 1*8 GND, 3/4" DIA POLYETHYLENE
-  PROPOSED COILLABLE NONMETALLIC CONDUIT, SIZE AS NOTED.



T2
CIRCUIT #1
STA. 1668+00
OFFSET 110' LT
CONFIGURATION "A"

MATCHLINE STA 165+00
SEE SHEET L-8



L-9

FILE NAME = D672031-sht-lighting-IL108.dgn	USER NAME = korider	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN I-55 STA. 1656+00 TO STA. 1670+00	F.A.I. RTE. 55	SECTION 68-1,3 RS-3,68-2 RS-5)BR	COUNTY MONTGOMERY	TOTAL SHEETS 307	SHEET NO. 244	
Default	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -			SCALE: 1" = 50'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 72D31		ILLINOIS FED. AID PROJECT
	PLOT DATE = 12/19/2019 - 11:24:40 AM	CHECKED -	REVISED -								

LEGEND



EXISTING HIGH MAST TOWER WITH (4) LUMINAIRES. REPLACE EXISTING LUMINAIRES WITH LED LUMINAIRES WITH BROWN FINISH. LUMINAIRE CONFIGURATION AS SHOWN ON SHEET L-12



PROPOSED LIGHTING UNIT, LED, ROADWAY, OUTPUT DESIGNATION H, BROWN HOUSING, 45' MOUNTING HEIGHT, 1' ARM, HELIX FOUNDATION WITH BREAK AWAY COUPLINGS.



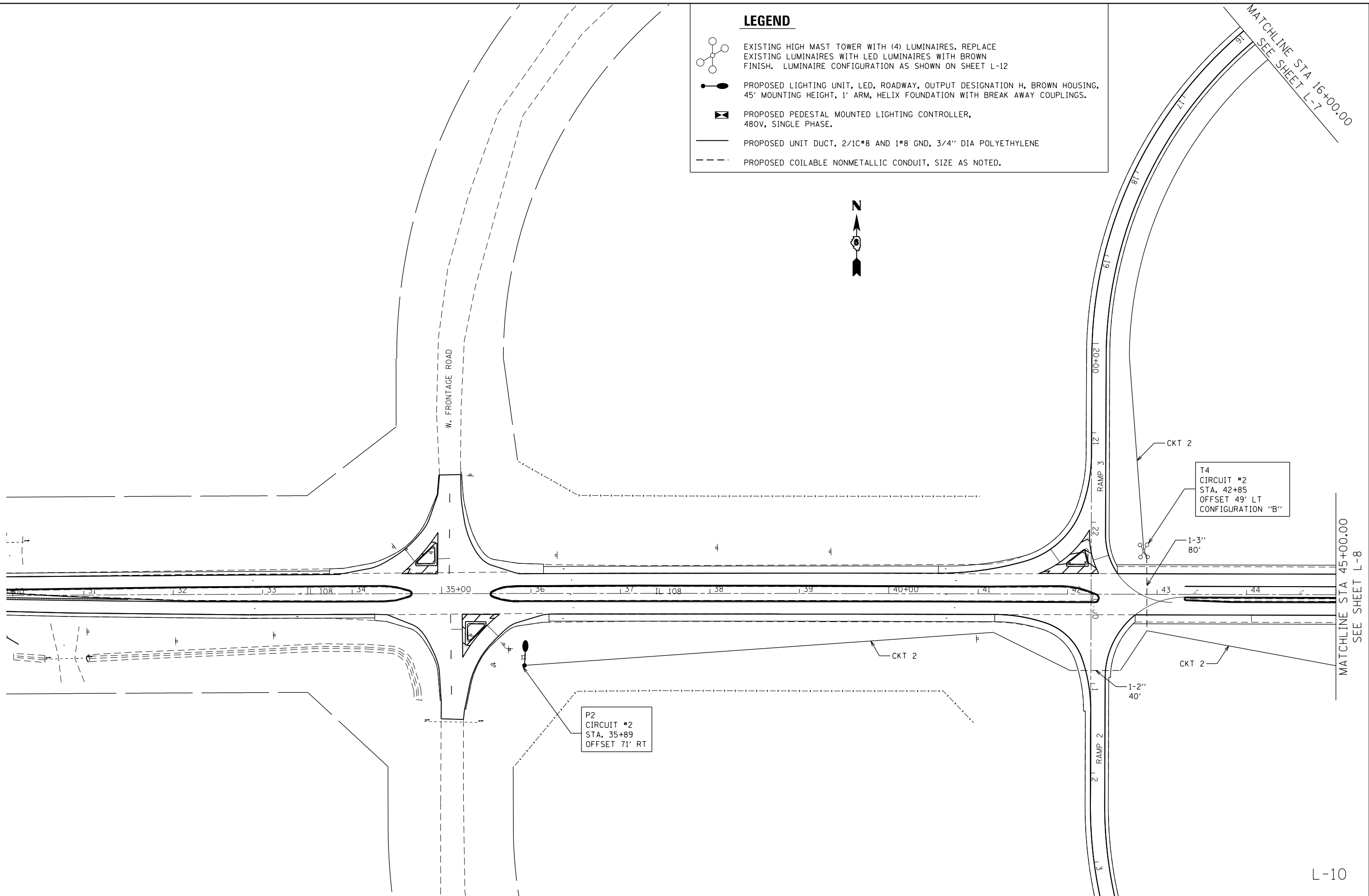
PROPOSED PEDESTAL MOUNTED LIGHTING CONTROLLER, 480V, SINGLE PHASE.



PROPOSED UNIT DUCT, 2/1C#8 AND 1#8 GND, 3/4" DIA POLYETHYLENE



PROPOSED COILABLE NONMETALLIC CONDUIT, SIZE AS NOTED.



L-10

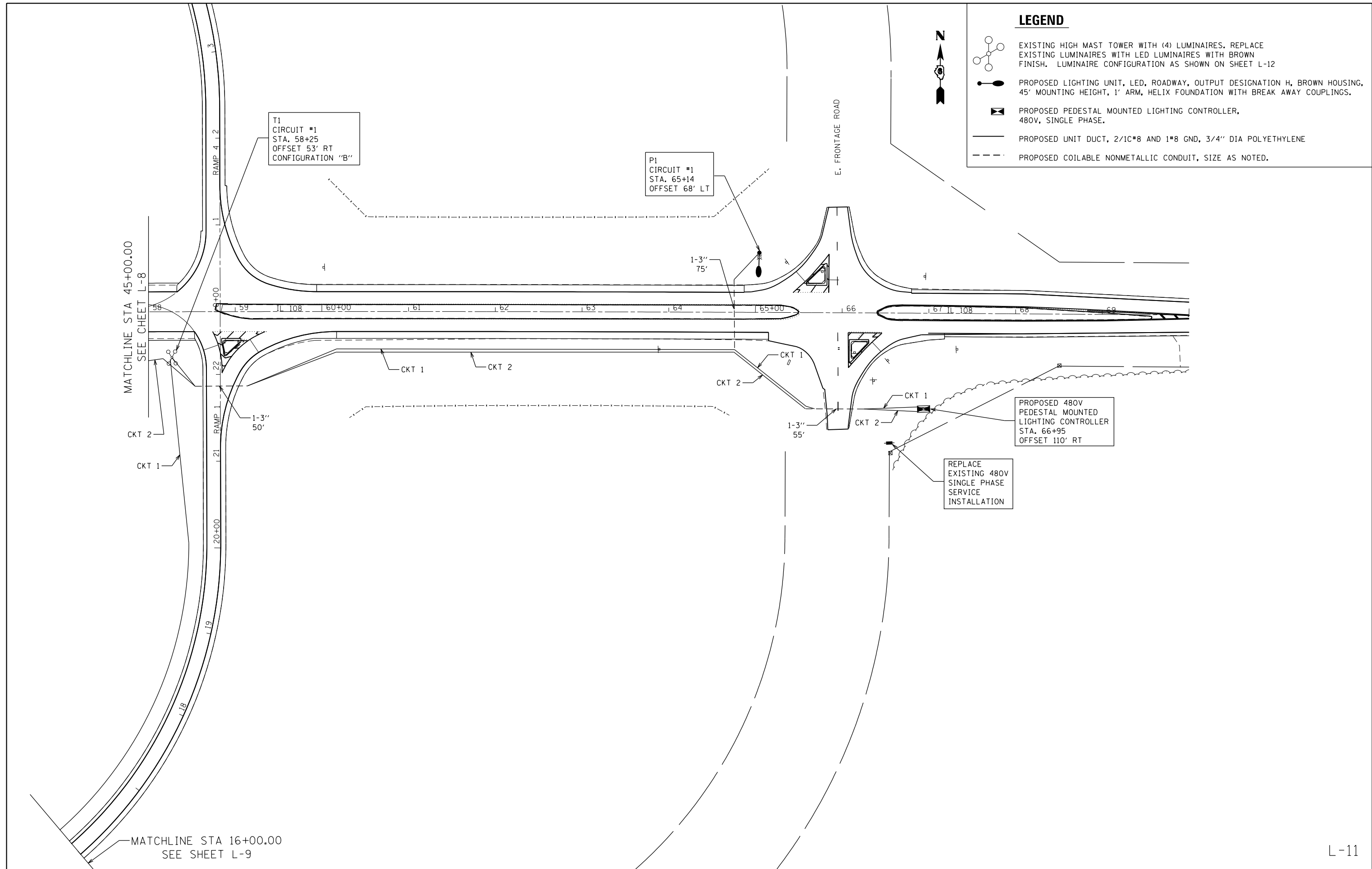
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		DRAWN -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**






**PROPOSED LIGHTING PLAN
IL 108 STA. 30+00 TO STA. 45+00**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	245
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	



LEGEND

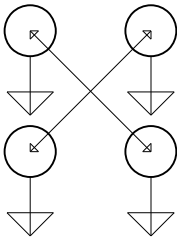
-  EXISTING HIGH MAST TOWER WITH (4) LUMINAIRES. REPLACE EXISTING LUMINAIRES WITH LED LUMINAIRES WITH BROWN FINISH. LUMINAIRE CONFIGURATION AS SHOWN ON SHEET L-12
-  PROPOSED LIGHTING UNIT, LED, ROADWAY, OUTPUT DESIGNATION H, BROWN HOUSING, 45' MOUNTING HEIGHT, 1' ARM, HELIX FOUNDATION WITH BREAK AWAY COUPLINGS.
-  PROPOSED PEDESTAL MOUNTED LIGHTING CONTROLLER, 480V, SINGLE PHASE.
-  PROPOSED UNIT DUCT, 2/1C#8 AND 1#8 GND, 3/4" DIA POLYETHYLENE
-  PROPOSED COILABLE NONMETALLIC CONDUIT, SIZE AS NOTED.

L-11

FILE NAME = D672031-sht-lighting-IL108.dgn	USER NAME = korider	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN IL 108 STA. 58+00 TO STA. 70+00	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -			55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	246	
	PLOT DATE = 12/19/2019 - 11:24:38 AM	CHECKED -	REVISED -			CONTRACT NO. 72D31					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

108 LUMINAIRE AIMING

TOWER 2 AND TOWER 3

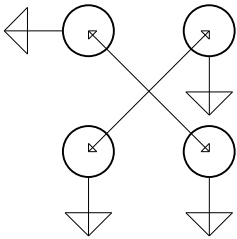


I-55

CONFIGURATION "A"

RAMP

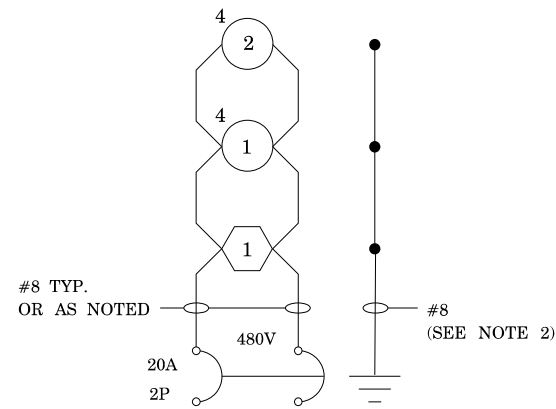
TOWER 1 AND TOWER 4



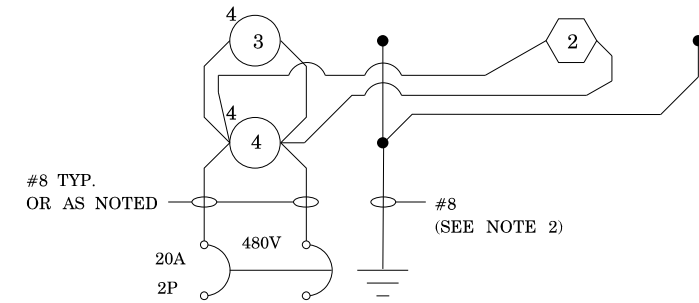
IL 108

CONFIGURATION "B"

FILE NAME = D672031-sht-lighting-IL108.dgn	USER NAME = korider	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING DETAILS TOWER CONFIGURATION DIAGRAMS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -			55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	247	
	PLOT DATE = 12/19/2019 - 11:24:40 AM	CHECKED -	REVISED -			CONTRACT NO. 72D31		ILLINOIS FED. AID PROJECT			
		DATE -	REVISED -			SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.			



CIRCUIT 1 CONTROLLER "A"



CIRCUIT 2 CONTROLLER "A"

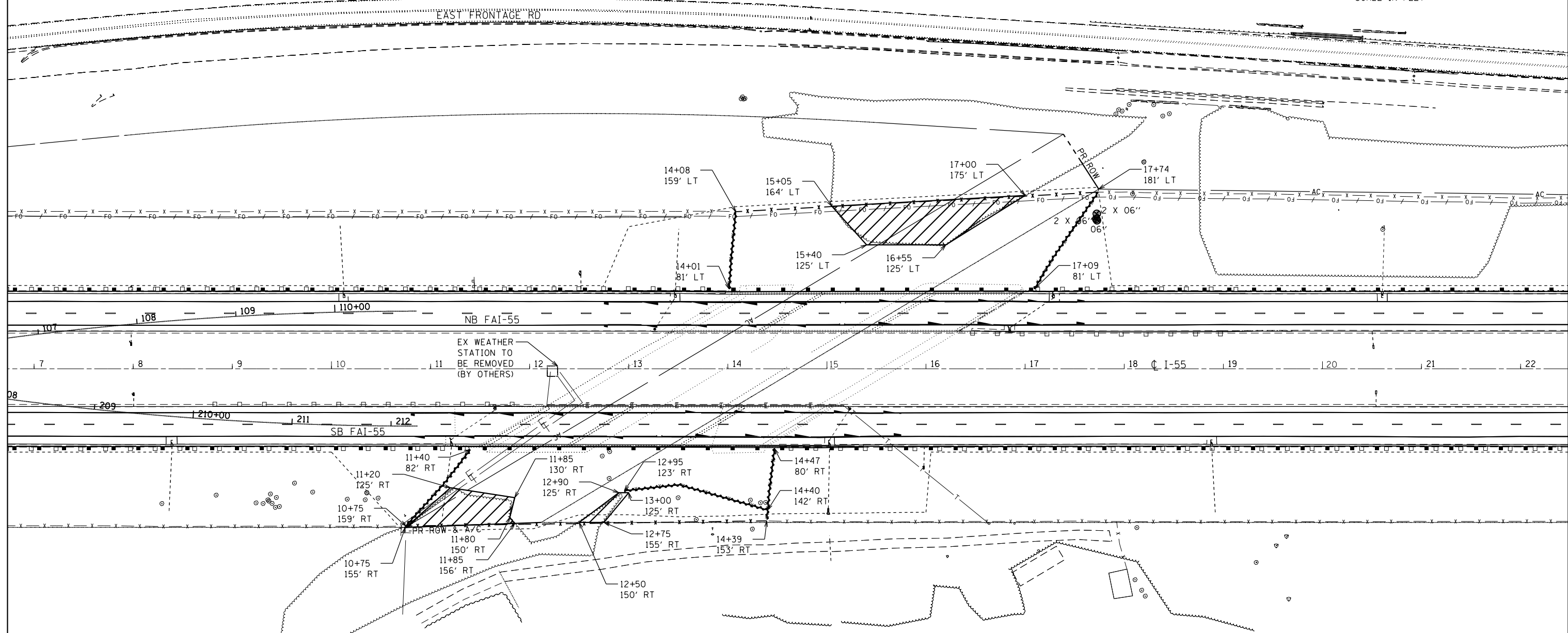
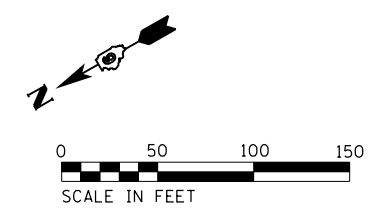
NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.
2. *#8 EQUIPMENT GROUNDING CONDUCTOR SHARED BETWEEN CIRCUITS 1 AND 2.

⬡ PROPOSED LUMINAIRE, LED

○ PROPOSED HIGH MAST LUMINAIRE, LED
 * = NUMBER OF HIGH MAST LUMINAIRES

FILE NAME = D672031-sht-lighting-IL108.dgn	USER NAME = korider	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING DETAILS WIRING DIAGRAMS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -			55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	248
	PLOT DATE = 12/19/2019 - 11:24:41 AM	CHECKED -	REVISED -		SCALE: N.T.S.	SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 72D31		
ILLINOIS FED. AID PROJECT										



LEGEND

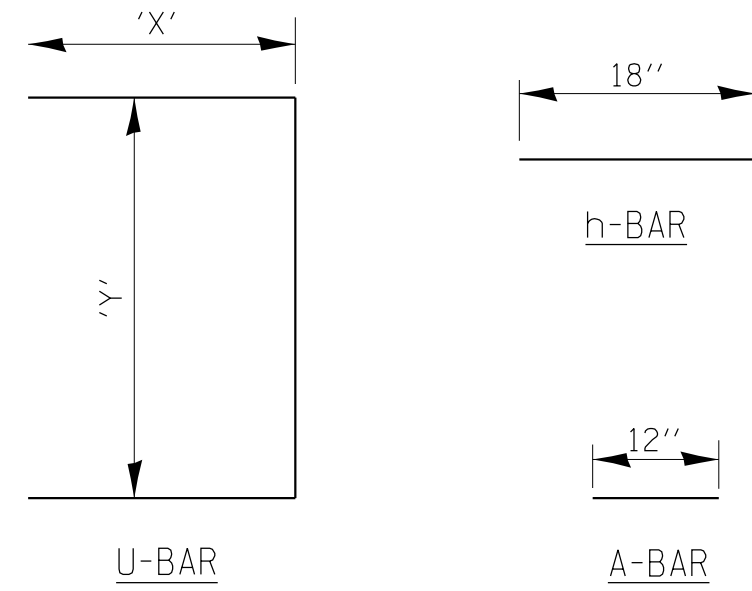
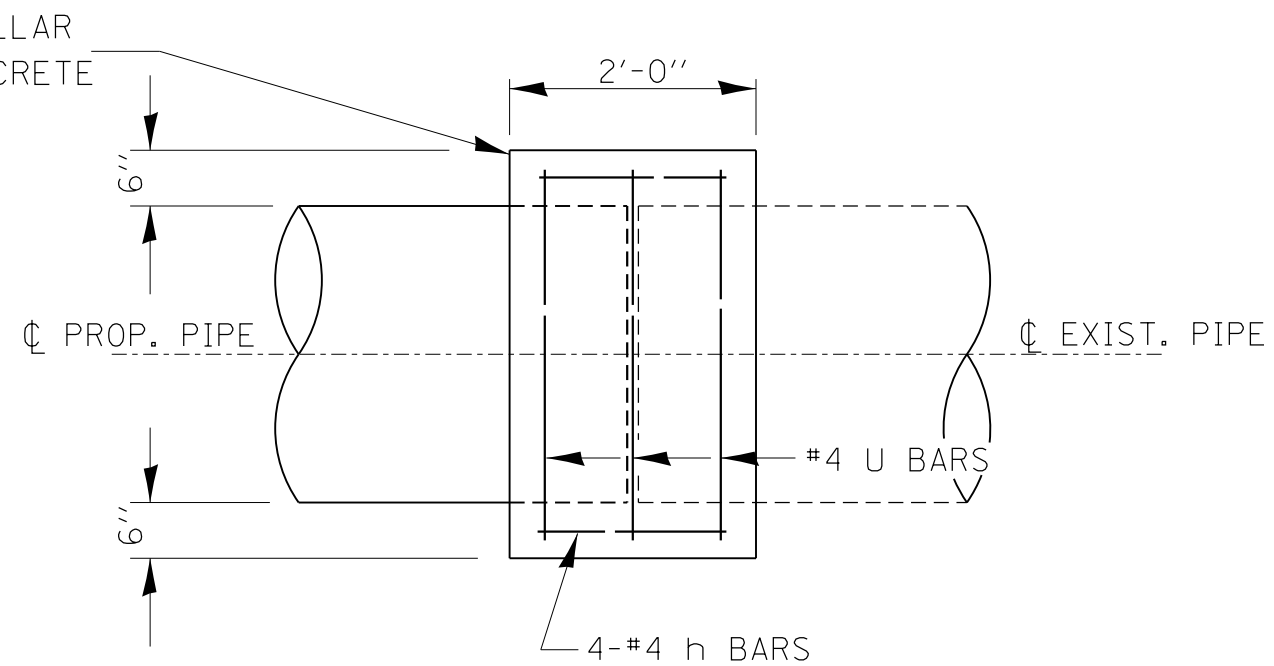
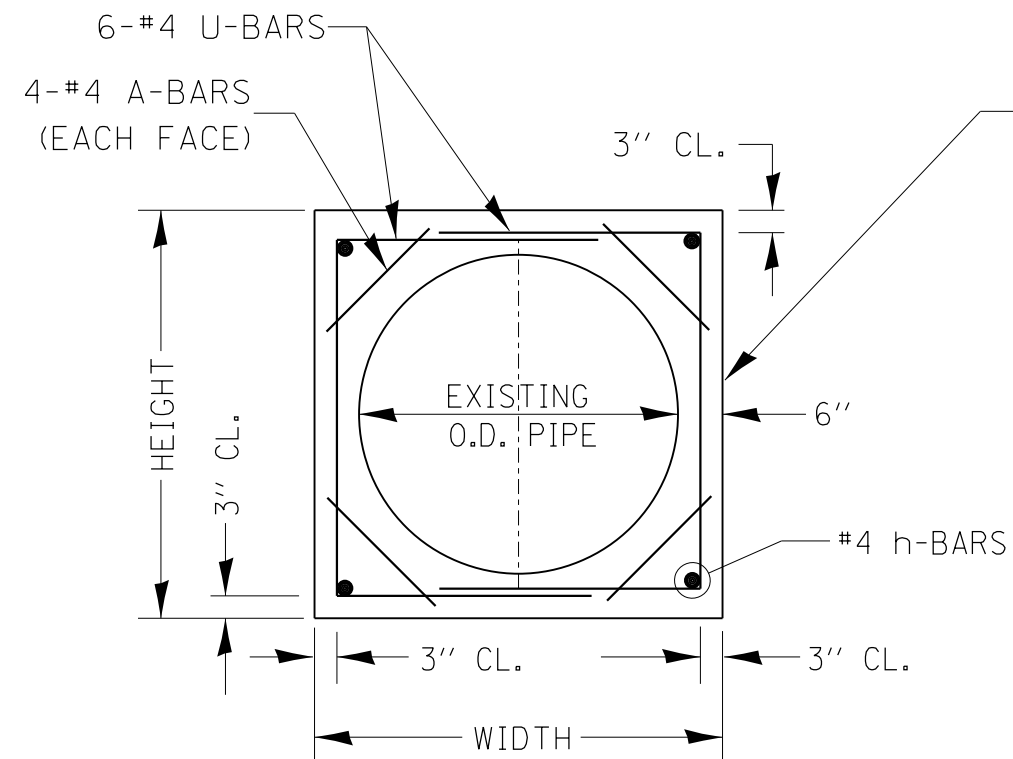
- TREE REMOVAL AREA
- TREE REMOVAL UNIT
- WOVEN WIRE FENCE REMOVAL

FILE NAME = D672031-sht-tree removal plan.dgn	USER NAME = kcorider	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -
Default	PLOT DATE = 12/10/2019 - 7:25:10 PM		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TREE REMOVAL PLAN I-55			
SCALE: 1" = 50'	SHEET	OF	SHEETS
	STA. 7+00.00		TO STA. 22+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	249
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	

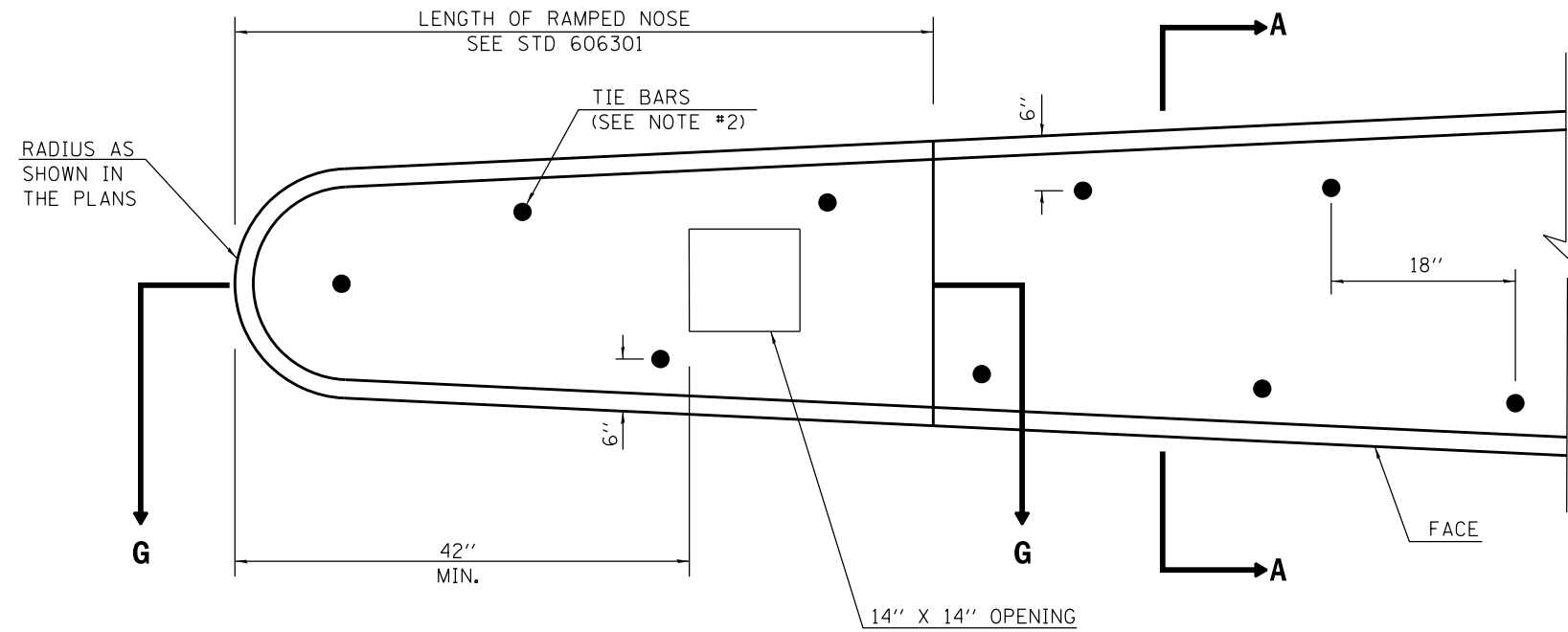


LOCATION	EXISTING CULVERT SIZE DIA.	EXTENSION COLLAR		A-BAR IN.	U-BAR		h-BAR IN.	CONC. COLLAR CU. YD.	REINFORCEMENT BARS POUND
		WIDTH IN.	HEIGHT IN.		'X' IN.	'Y' IN.			
15+01.50 RT	12"	28	28	12	18	22	18	0.4	30

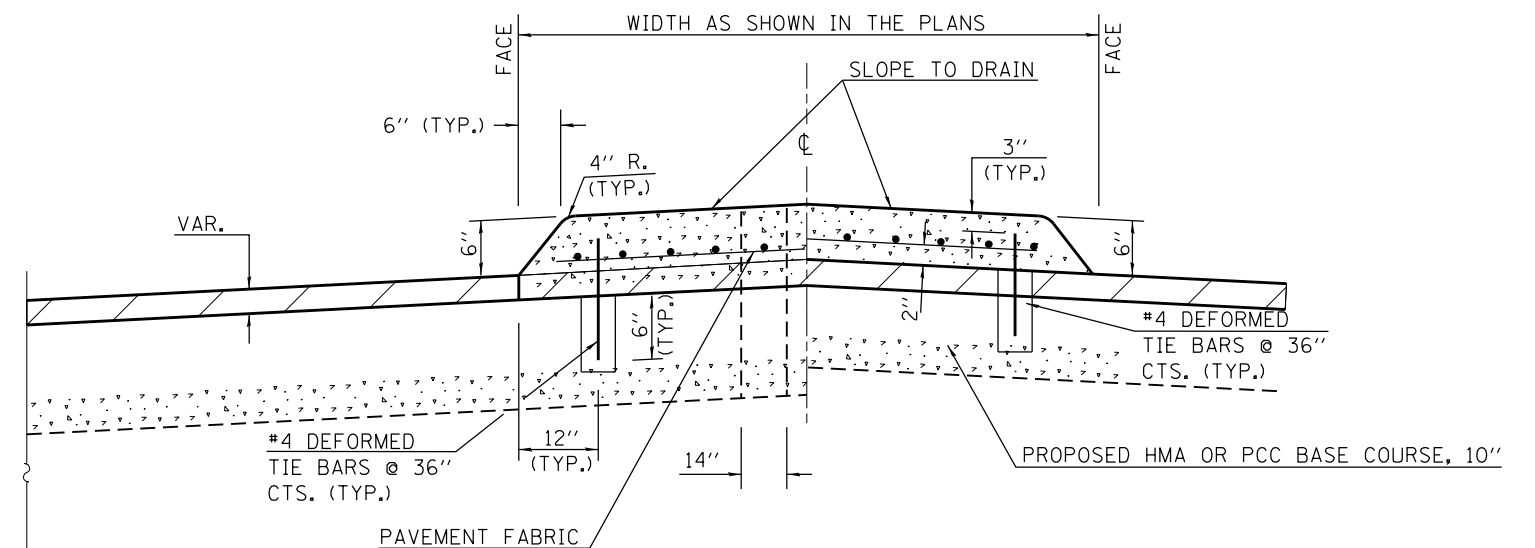
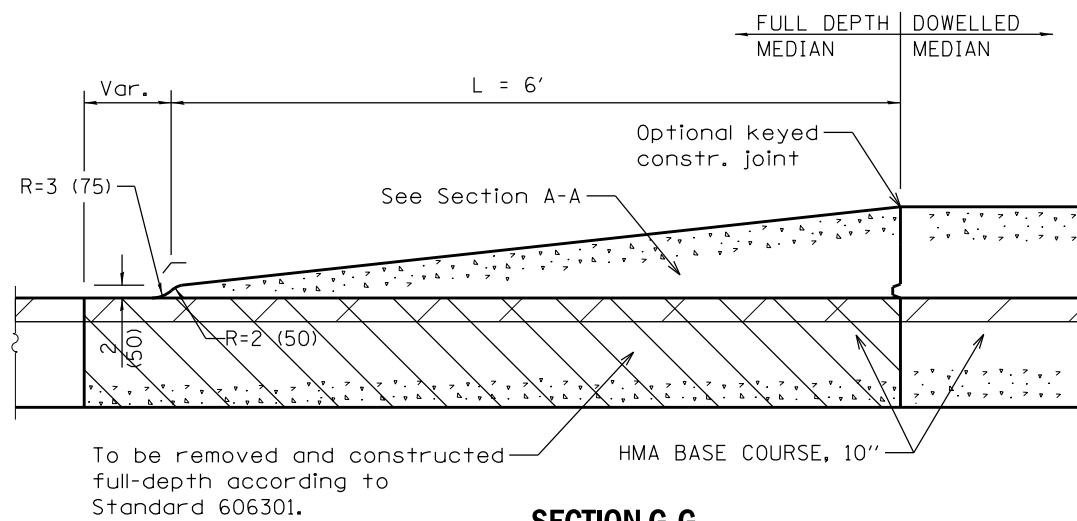
COLLAR DETAIL (DIRECT PIPE CULVERT EXTENSION)

GENERAL NOTES

1. THE GENERAL NOTES FOR STANDARD 606301 SHALL APPLY.
2. DOWEL BARS @ 36" CTS. OR AS DIRECTED BY THE ENGINEER.
3. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ FOOT FOR CONCRETE MEDIAN, TYPE SM (DOWELLED), INCLUDING THE COST OF FURNISHING AND INSTALLING THE TIE BARS, MORTAR FILLING, AND PAVEMENT FABRIC. THE COST OF REMOVAL AND DISPOSAL OF THE EXISTING PAVEMENT FOR THE 14" X 14" OPENING AND THE RAMP NOSE WILL BE INCLUDED IN THE COST FOR CONCRETE MEDIAN, TYPE SM (DOWELLED), NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



PLAN OF MEDIAN



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		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
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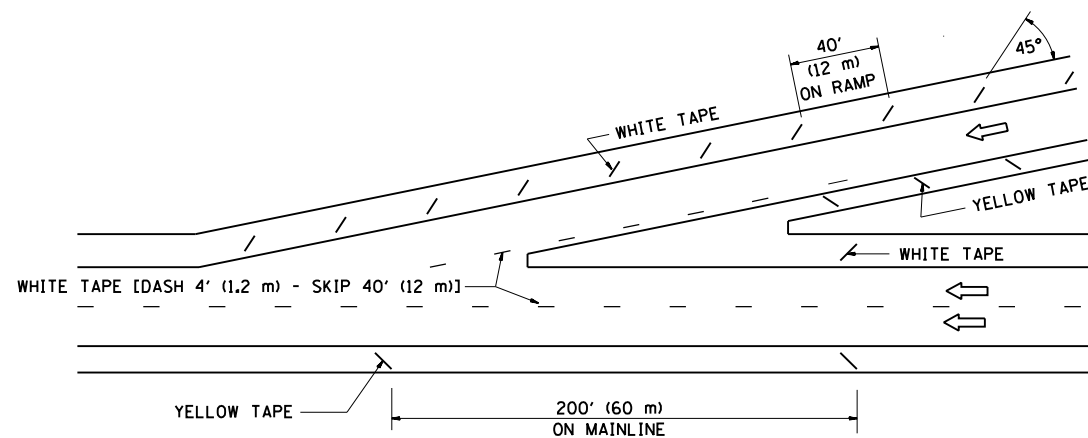
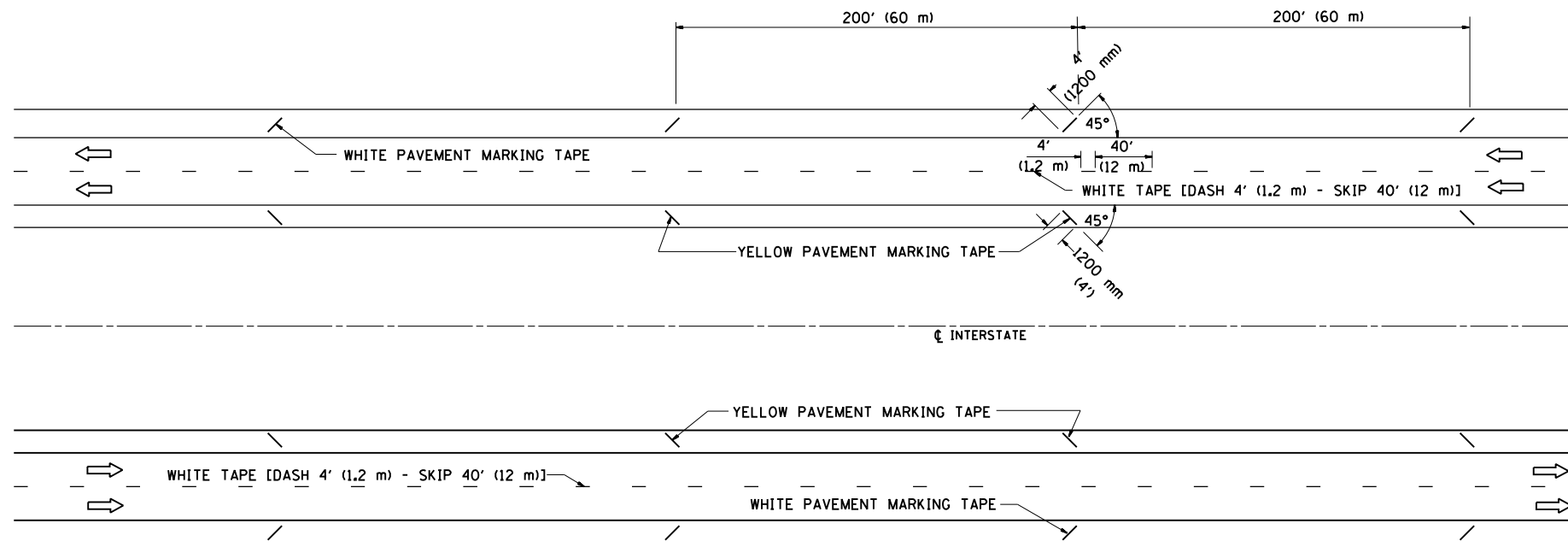
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONCRETE MEDIAN, TYPE SM-6 (SM-15) (DOWELLED)

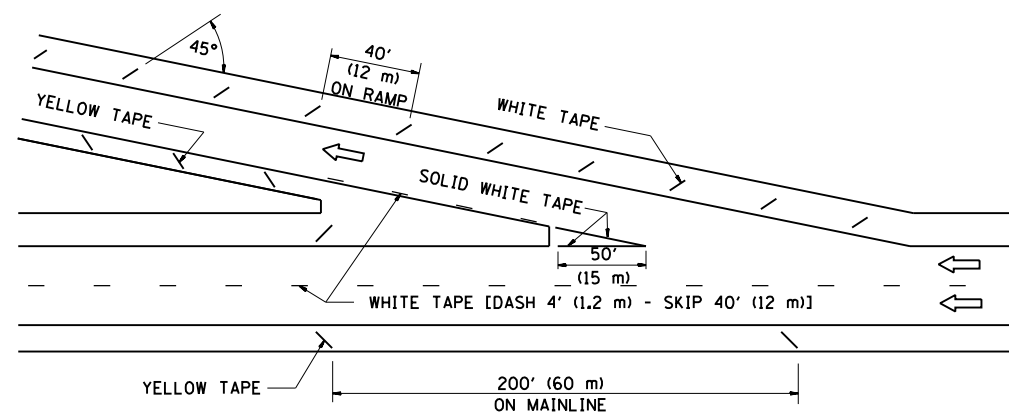
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	251
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 72D31	

TYPICAL SHORT TERM PAVEMENT MARKING FOR INTERSTATE ROUTES



TYPICAL ENTRANCE TERMINAL



TYPICAL EXIT TERMINAL

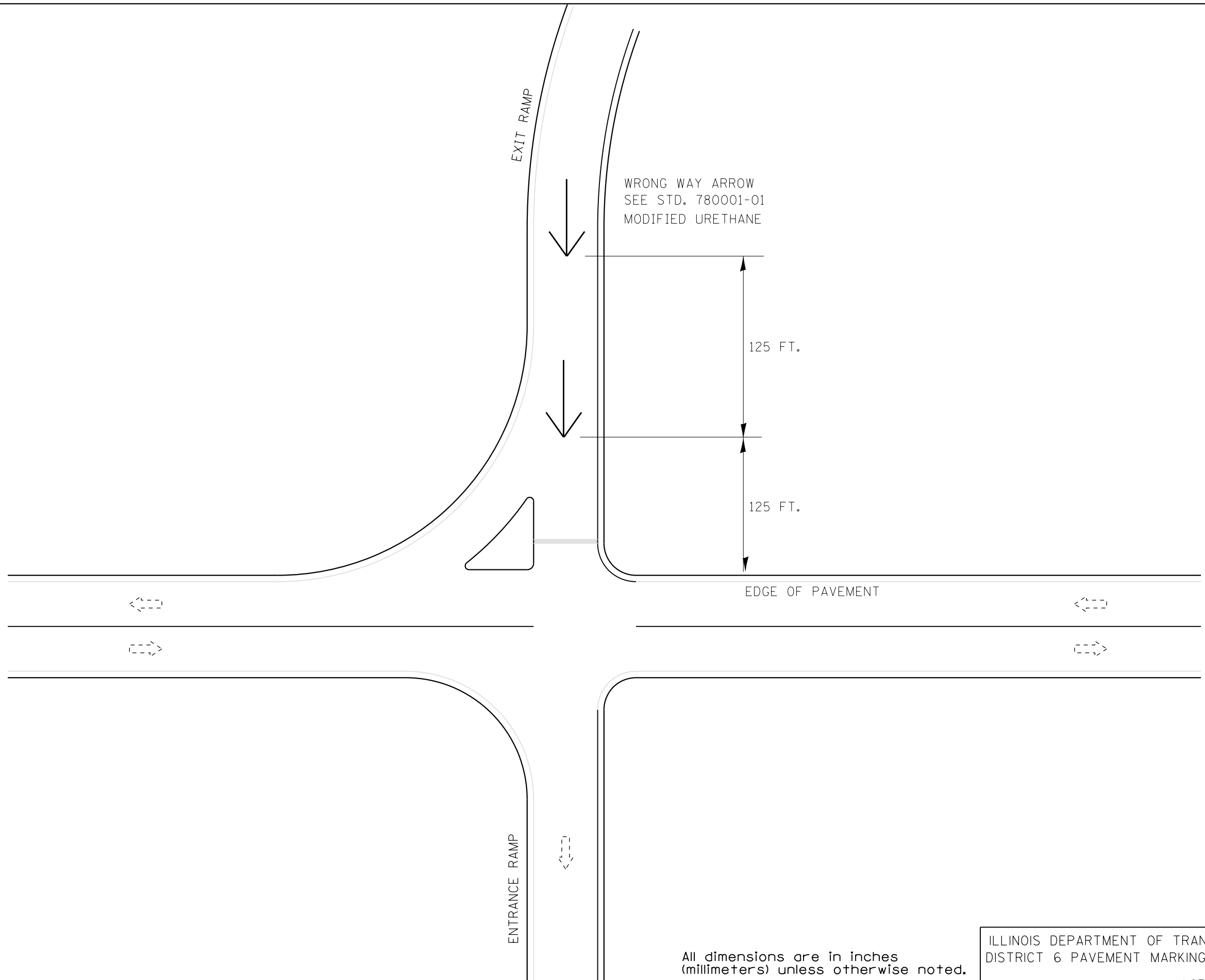
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		DRAWN - CAD	REVISED -
		CHECKED - JCN	REVISED -
		DATE - 3/26/96	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING
FOR INTERSTATE ROUTES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	252
CONTRACT NO. 72D31				
ILLINOIS FED. AID PROJECT				



WRONG WAY ARROW
SEE STD. 780001-01
MODIFIED URETHANE

125 FT.

125 FT.

EDGE OF PAVEMENT

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT 6 PAVEMENT MARKING STANDARDS

DATE 2016-05 NOT TO SCALE

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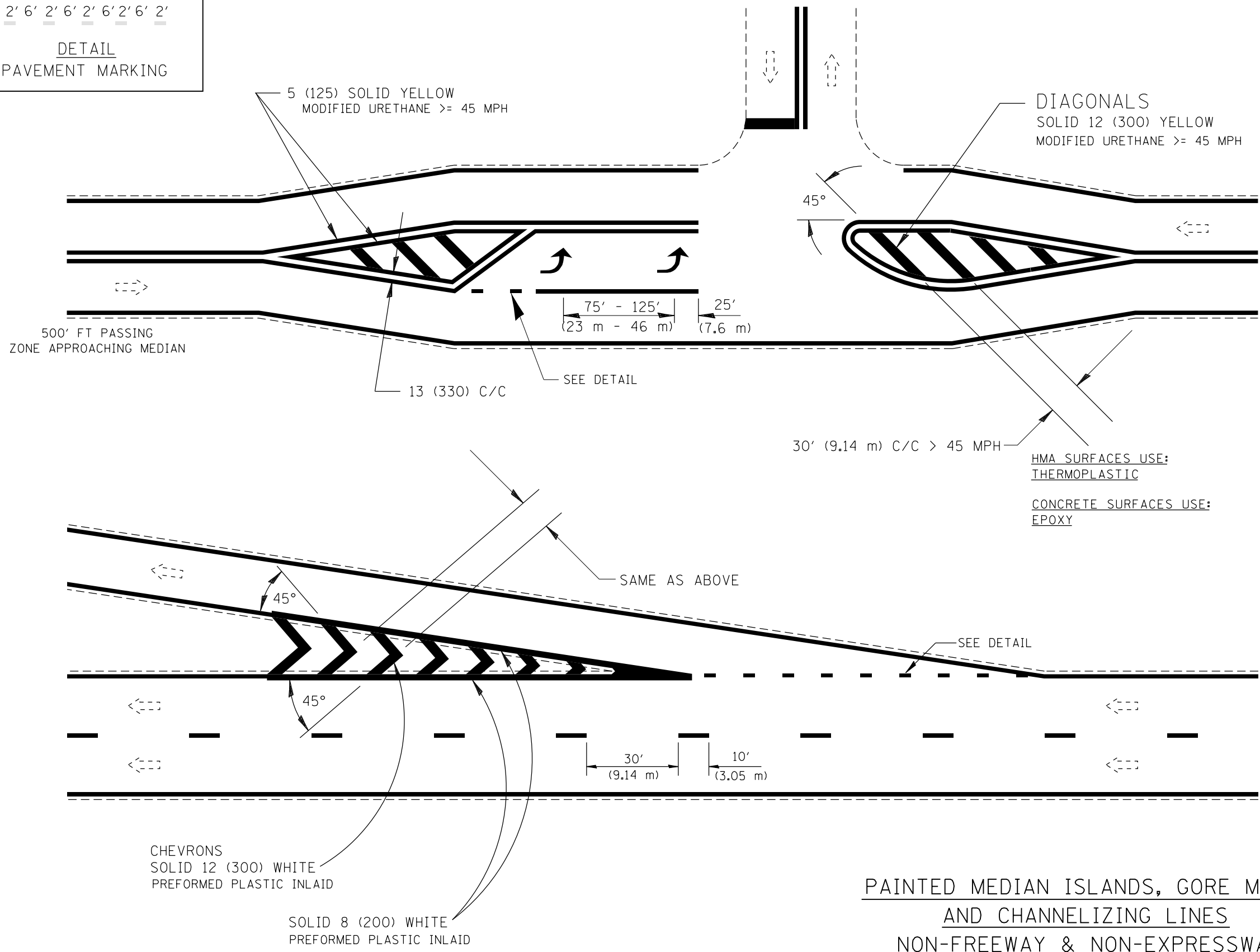
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL PAVEMENT
MARKING DETAILS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	253
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	

6" 2' 6" 2' 6" 2' 6" 2' 6" 2'
DETAIL
PAVEMENT MARKING



**PAINTED MEDIAN ISLANDS, GORE MARKINGS
 AND CHANNELIZING LINES
 NON-FREEWAY & NON-EXPRESSWAY**

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT 6 PAVEMENT MARKING STANDARDS

DATE 2016-05 NOT TO SCALE

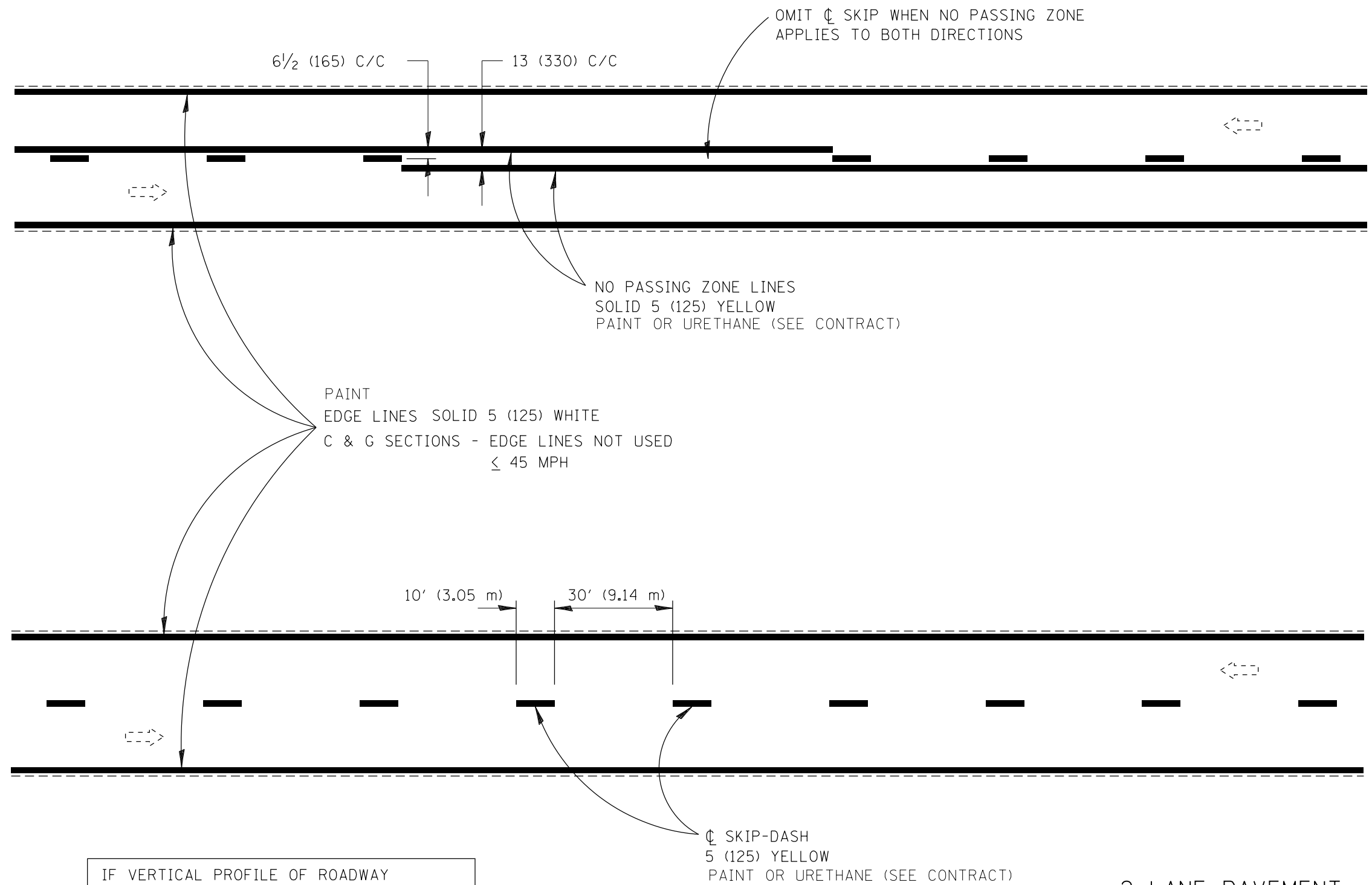
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		DATE -	REVISED -
Default	PLOT DATE = 12/10/2019 - 7:26:03 PM		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL PAVEMENT
 MARKING DETAILS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	254
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	



IF VERTICAL PROFILE OF ROADWAY IS CHANGED DURING CONSTRUCTION, "NO PASSING ZONES" ARE TO BE FIELD VERIFIED BY THE BUREAU OF OPERATIONS. THE RESIDENT ENGINEER SHALL NOTIFY THE BUREAU OF OPERATIONS 14 DAYS PRIOR TO PERMANENT PAVEMENT MARKINGS.

2 LANE PAVEMENT

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

ILLINOIS DEPARTMENT OF TRANSPORTATION		DISTRICT 6 PAVEMENT MARKING STANDARDS	
DATE	2016-05	NOT TO SCALE	
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307
CONTRACT NO.			72D31
ILLINOIS FED. AID PROJECT			

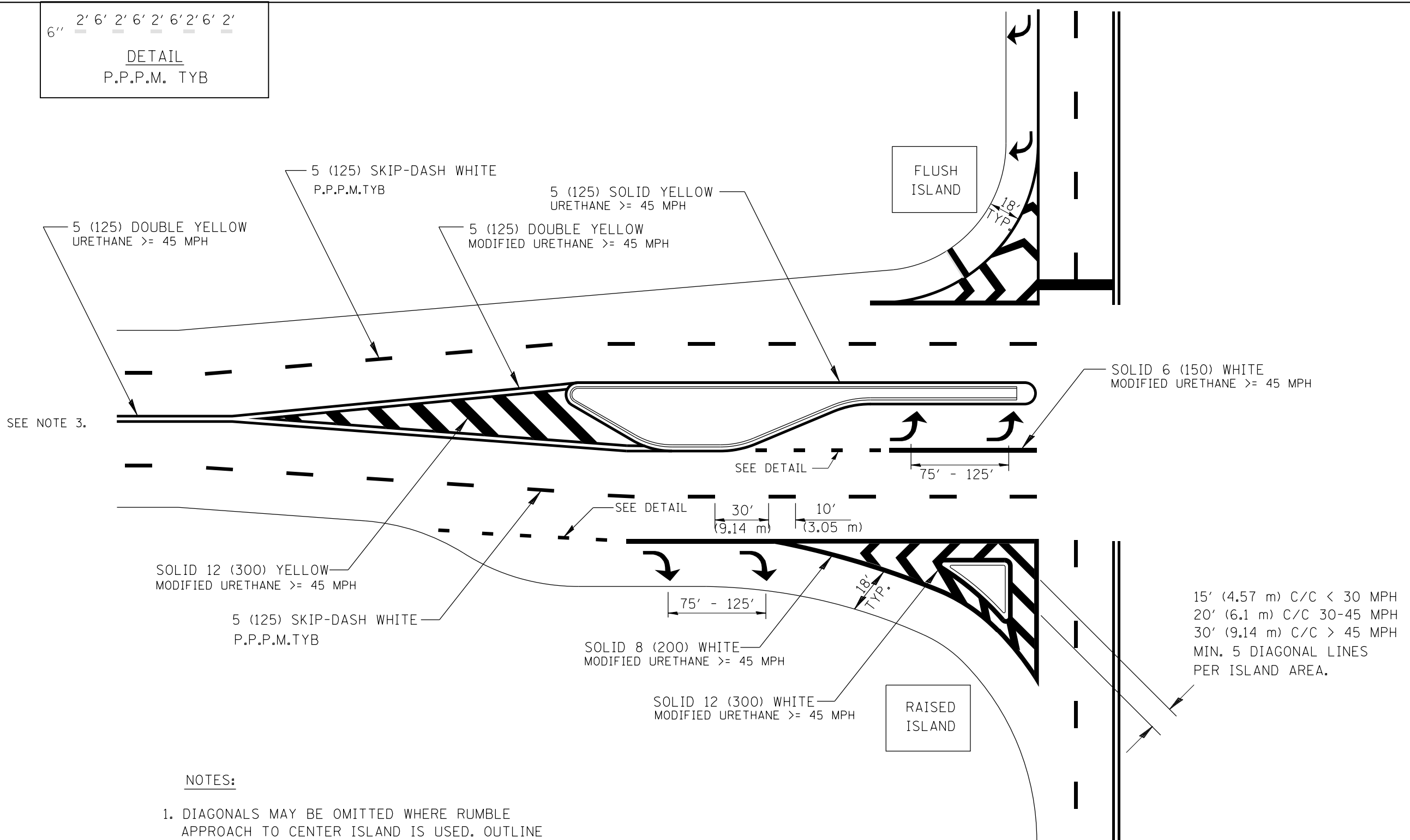
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT
MARKING DETAILS

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

6'' 2' 6' 2' 6' 2' 6' 2' 6' 2'
DETAIL
P.P.P.M. TYB



NOTES:

1. DIAGONALS MAY BE OMITTED WHERE RUMBLE APPROACH TO CENTER ISLAND IS USED. OUTLINE ALL RUMBLE AREA WITH SINGLE YELLOW LINE.
2. SEE FIGURE 3-13 OF THE MUTCD FOR RECOMMENDED TAPER LENGTHS.
3. BEGIN NO PASSING ZONE 500FT BEFORE PAINTED MEDIAN. RELEASE NO PASSING ZONE 100 FT AFTER PAINTED MEDIAN WHERE APPROPRIATE.

**OFF-SET ISLANDS
 AND
 ISLAND APPROACH MARKINGS**

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT 6 PAVEMENT MARKING STANDARDS

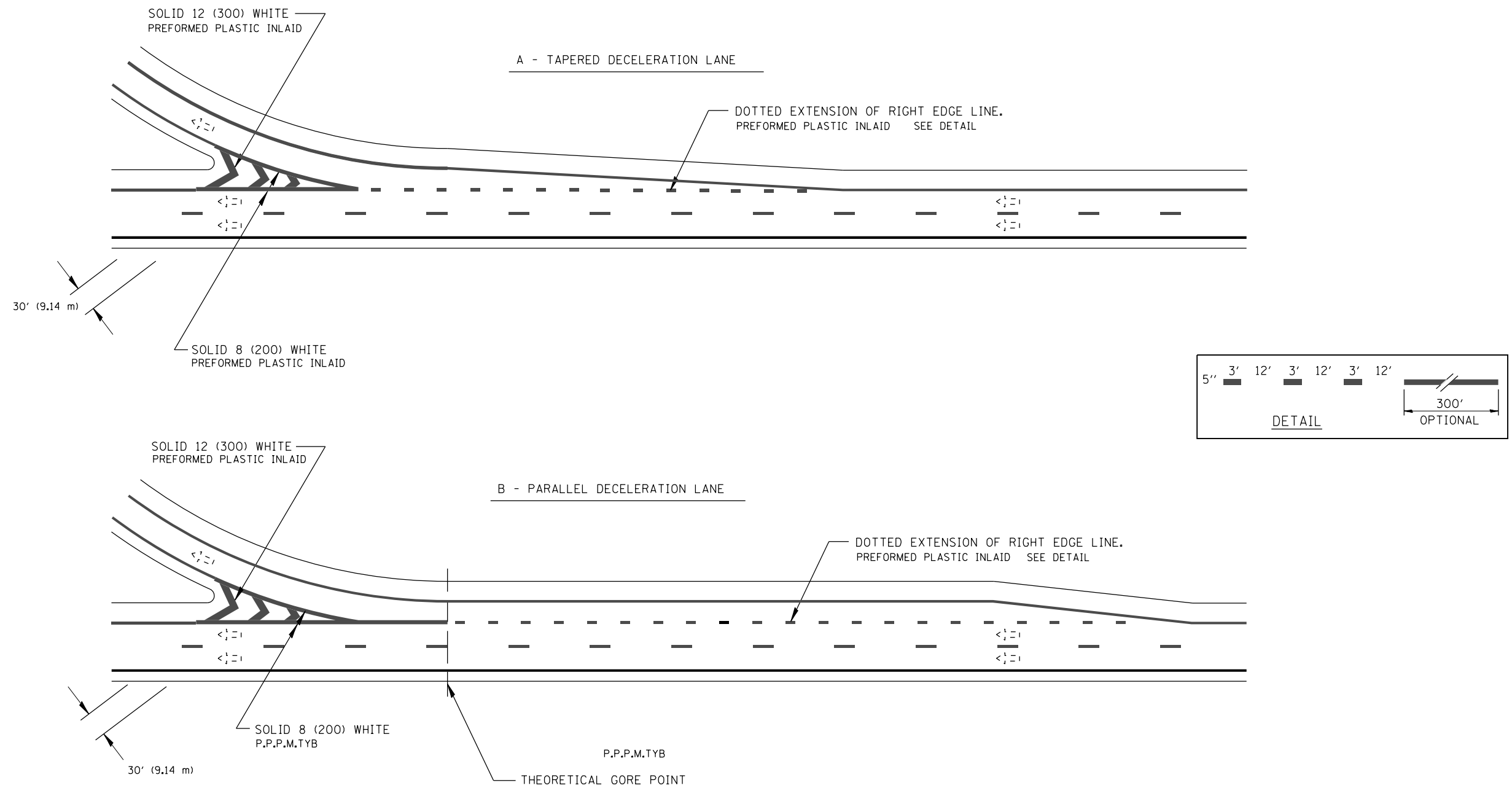
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL PAVEMENT MARKING DETAILS			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	256
CONTRACT NO. 72D31				
ILLINOIS FED. AID PROJECT				

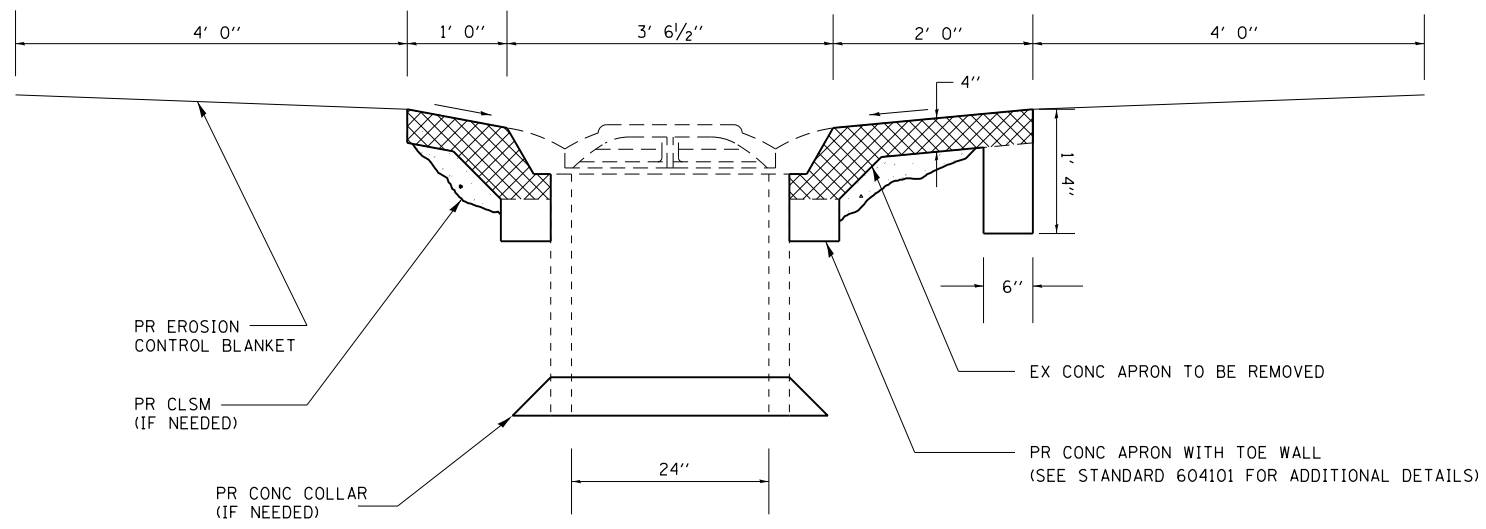
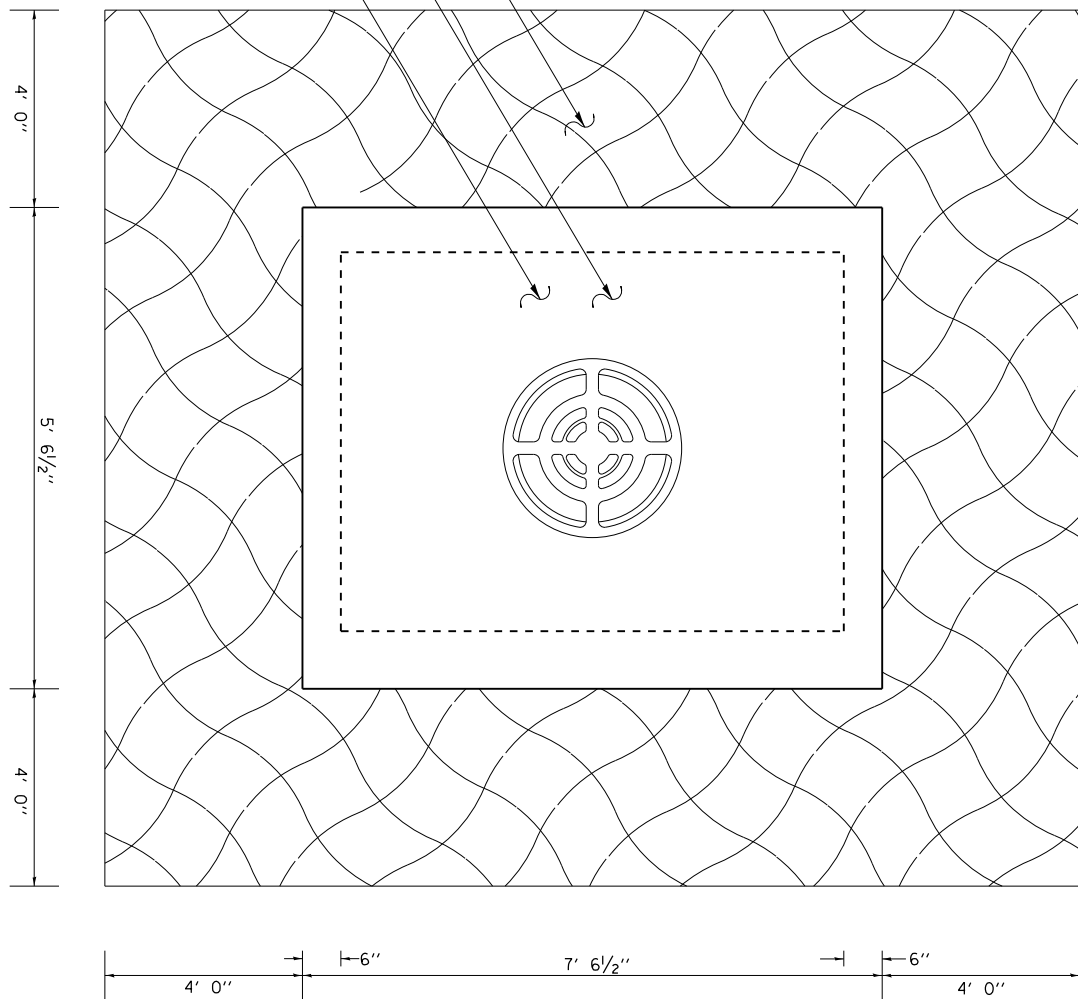


EXIT RAMP MARKINGS

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

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		DATE - 2013-01	REVISED -								

PR EROSION CONTROL BLANKET
 PR CONC APRON
 EX CONC APRON



SECTION A-A

REPAIRS TO INLET STANDARD 604101

LOCATION	INLET TO BE RECONSTRUCTED (EACH)	EROSION CONTROL BLANKET (SQ YD)	CONTROLLED LOW STRENGTH MATERIAL (CU YD)	CONCRETE COLLAR (CU YD)
LT STA. 1716+00	1	18.6	0.2	0.5
LT STA. 1741+00	1	18.6	0.2	0.5
CL STA. 1741+00	1	18.6	0.2	0.5
CL STA. 1767+52	1	18.6	0.2	0.5
CL STA. 1813+90	1	18.6	0.2	0.5
TOTAL	5	93	1.0	2.5

SEE NOTE #3

NOTES:

- SEE SEEDING SCHEDULE FOR SEEDING QUANTITIES.
- SEE STANDARD 604101 FOR ADDITIONAL DETAILS NOT SHOWN. THE TOE WALL AT THE LONG END OF THE APRON IS IN ADDITION TO WHAT IS SHOWN IN STANDARD 604101.
- CONTROLLED LOW STRENGTH MATERIAL AND/OR CONCRETE COLLAR TO BE USED IF DEEMED NECESSARY BY THE ENGINEER, THE QUANTITY IN THE ABOVE SCHEDULE IS ESTIMATED. ACTUAL QUANTITY TO BE DETERMINED BY THE ENGINEER IN THE FIELD AND INCLUDED IN THE COST OF INLET TO BE RECONSTRUCTED.

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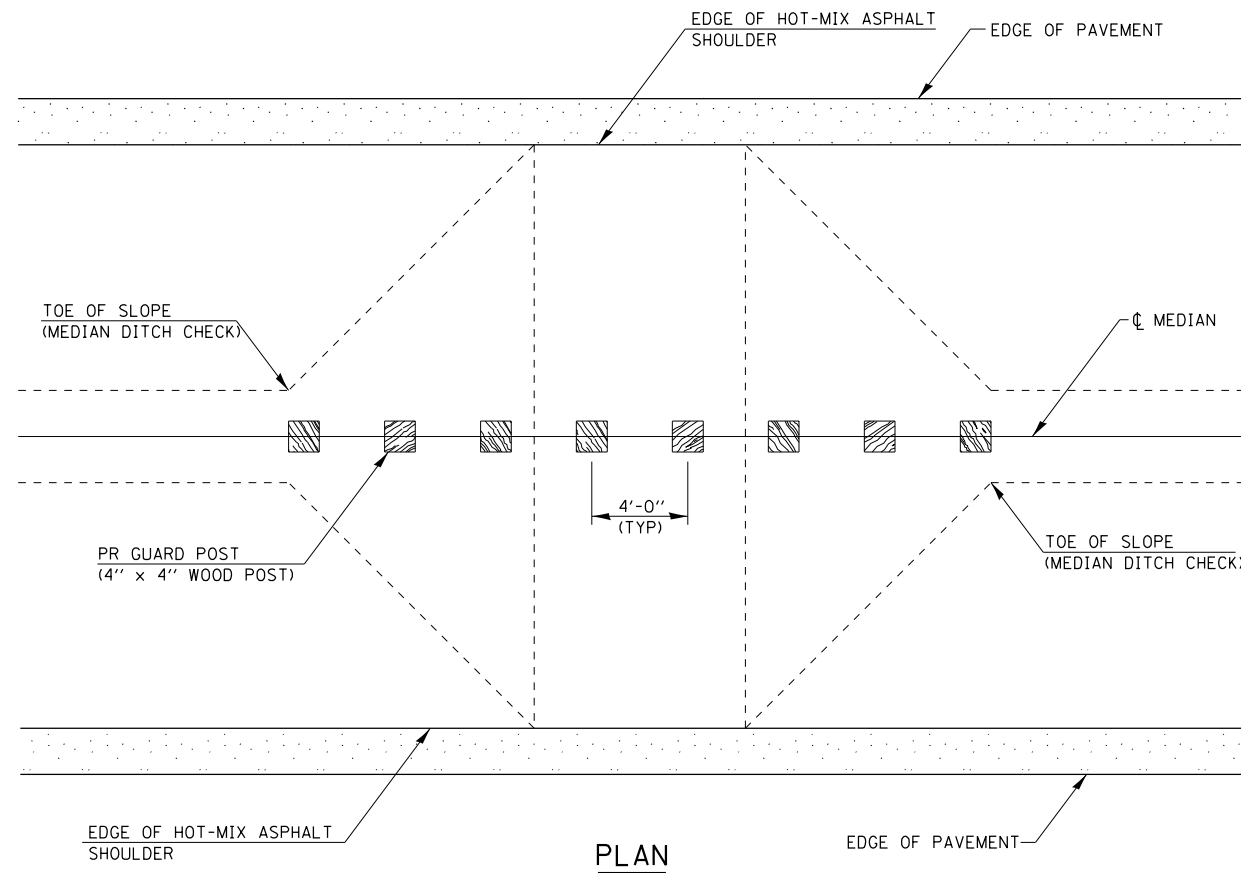
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REVISED -
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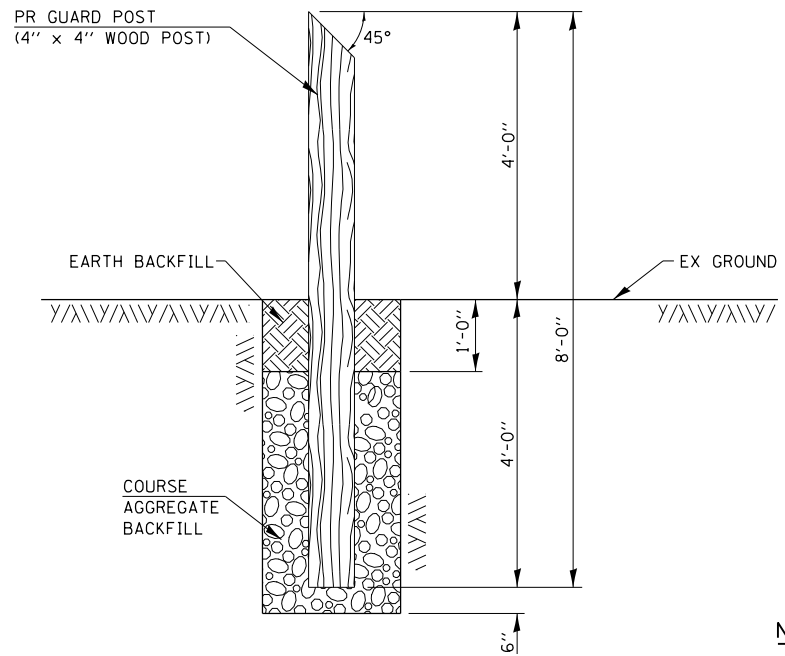
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INLET REPAIR
 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	259
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	



PLAN

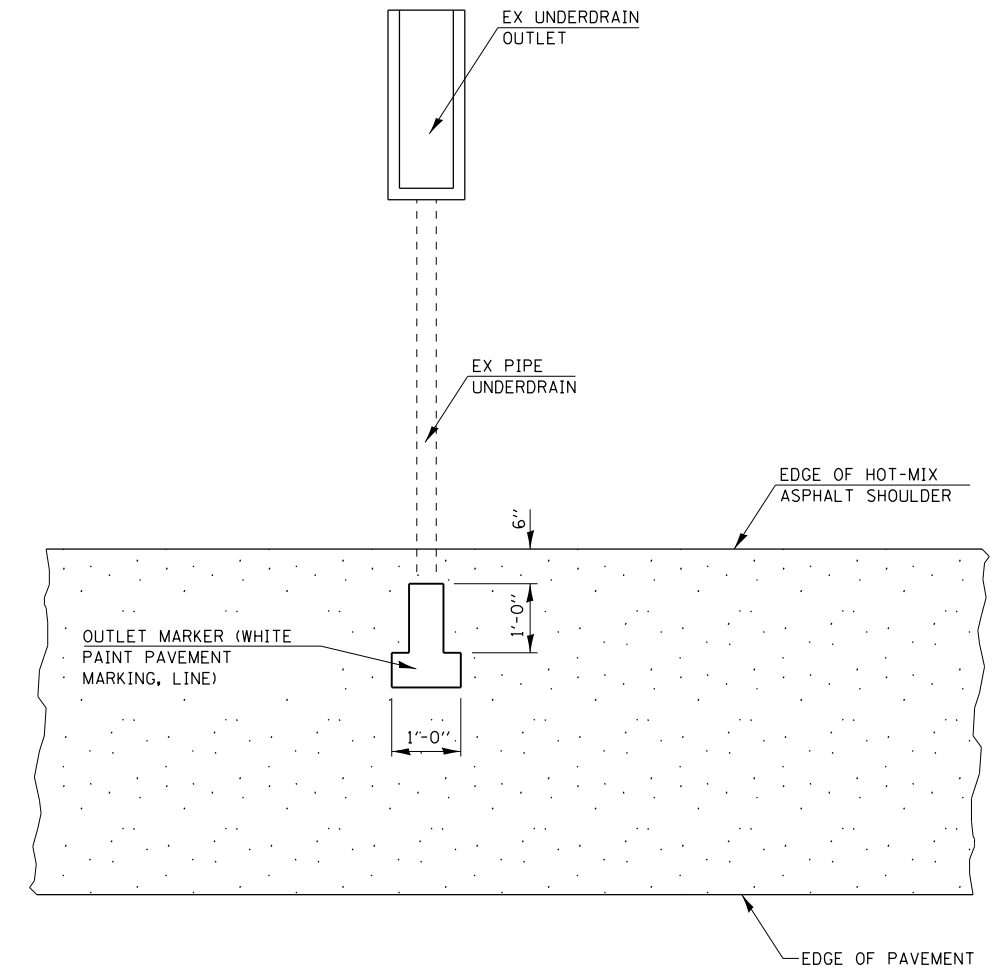


SECTION THRU POST

GUARD POST DETAIL

NOTES:

- 1.) PROPOSED GUARDPOSTS USED TO REPLACE MISSING POSTS AT UNAUTHORIZED MEDIAN CROSSOVERS.
- 2.) ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY FOR INSTALLATION OF GUARD POSTS AS DETAILED HEREIN SHALL BE INCLUDED IN THE COST FOR "GUARD POSTS".



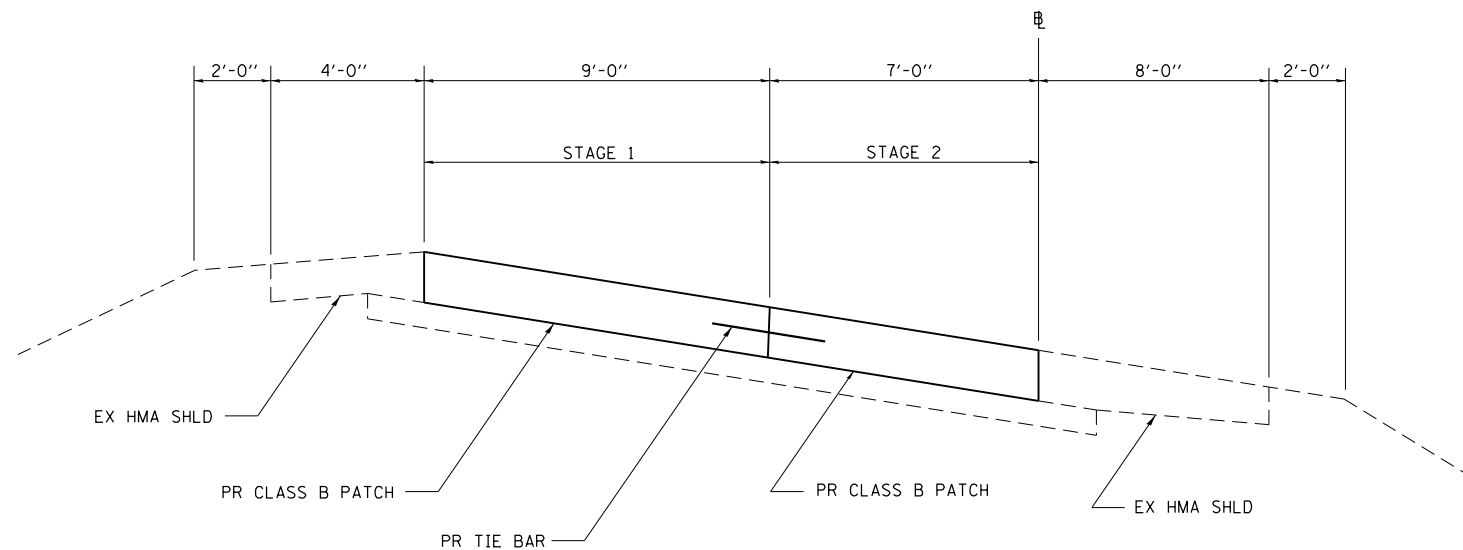
PLAN FOR UNDERDRAIN OUTLET MARKER

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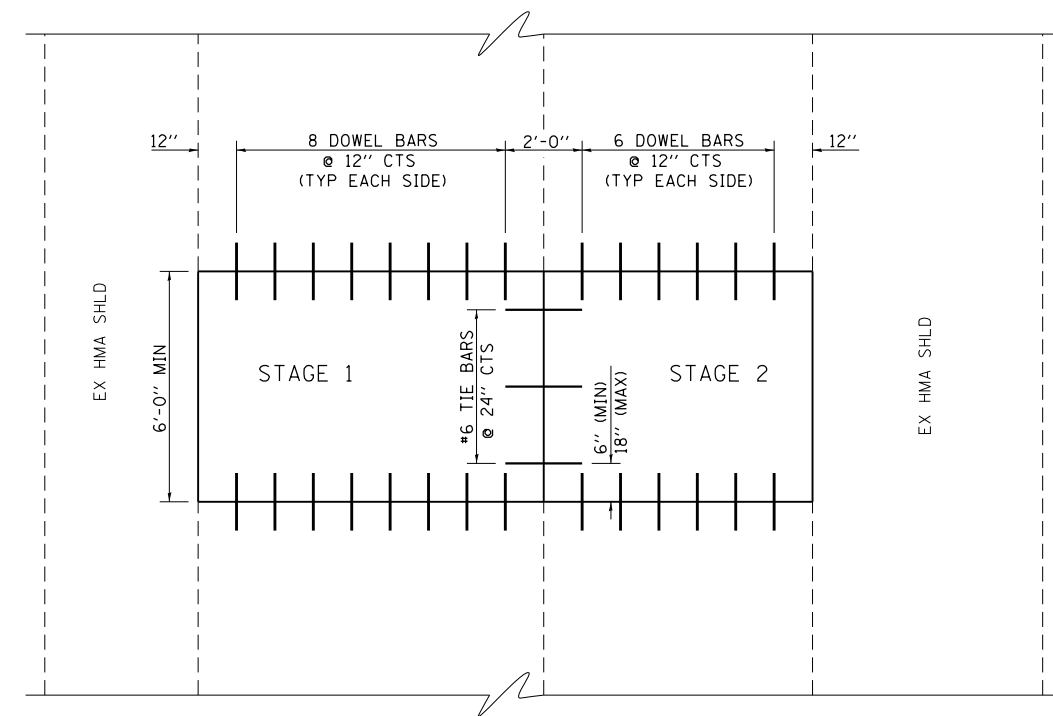
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MEDIAN GUARD POST DETAIL AND UNDERDRAIN OUTLET MARKERS			
SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	260
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	



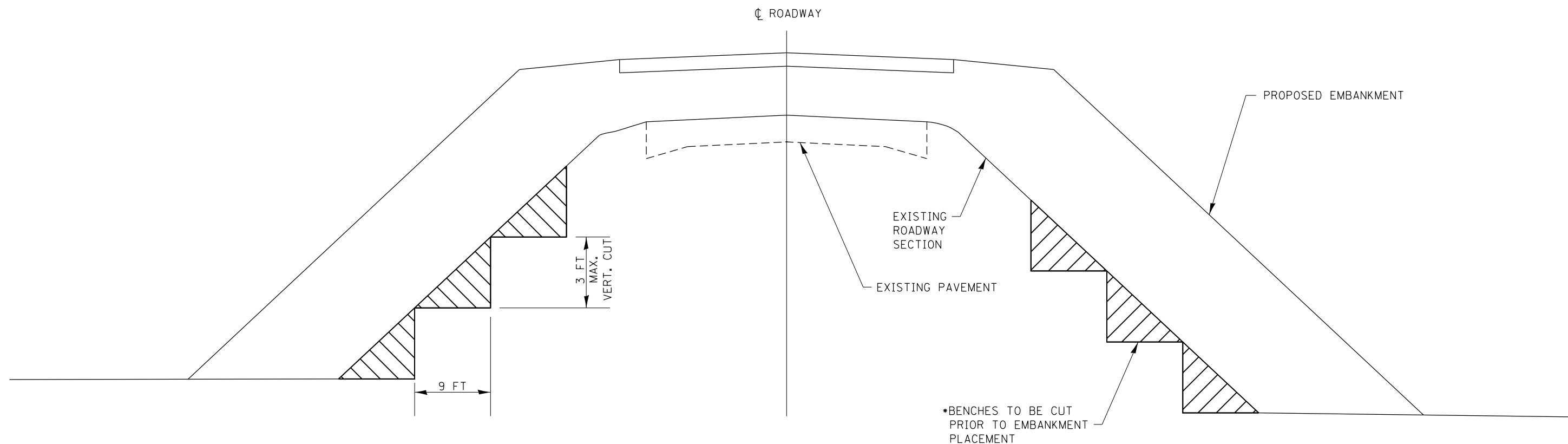
TYPICAL SECTION - CLASS B PATCH ON RAMPS



PLAN - CLASS B PATCH ON RAMPS

NOTE:

1. THIS DETAIL IS TO BE USED IN CONJUNCTION WITH STANDARD 442101.
2. TIE BARS SHALL BE NO. 6 DEFORMED BARS AT 24" CENTERS WHICH SHALL BE DRILLED AND GROUTED ACCORDING TO ARTICLE 420.05(b) OF THE STANDARD SPECIFICATIONS.

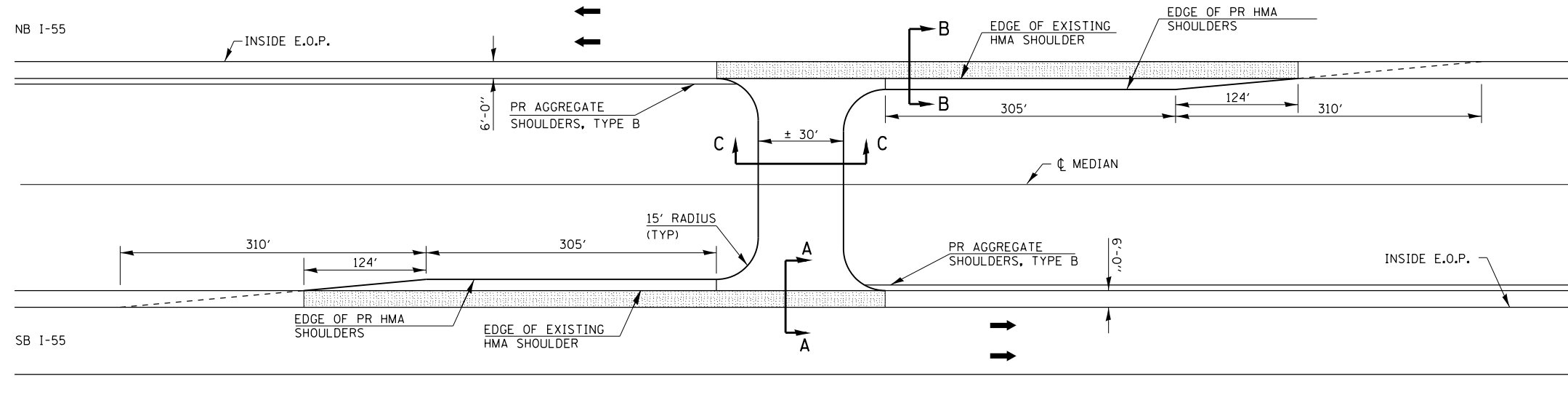


EXISTING SLOPE BENCHING DETAIL

- NOTES:
 * COST INCIDENTAL TO CONTRACT

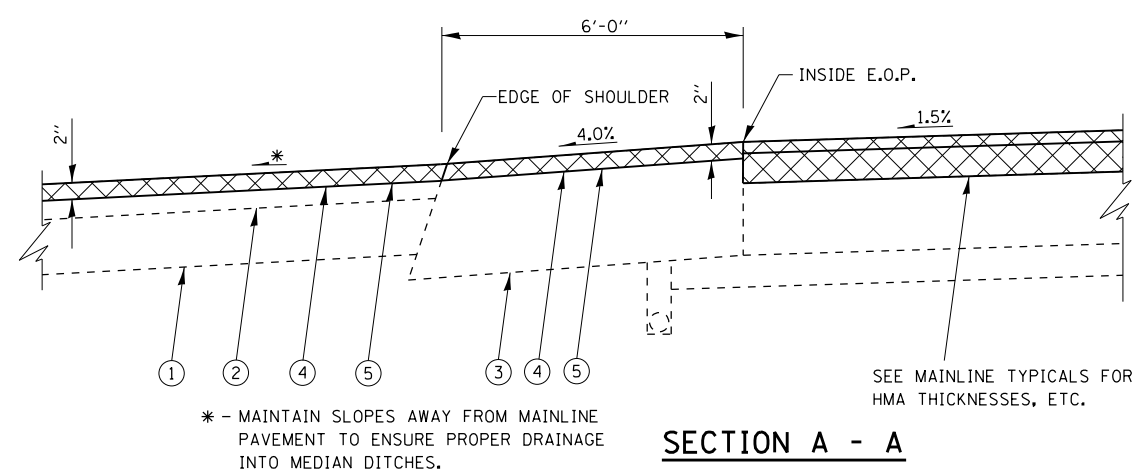
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	261
	PLOT DATE = 12/10/2019 - 7:26:05 PM	DATE -	REVISED -								CONTRACT NO. 72D31				

EMERGENCY MEDIAN CROSSOVERS

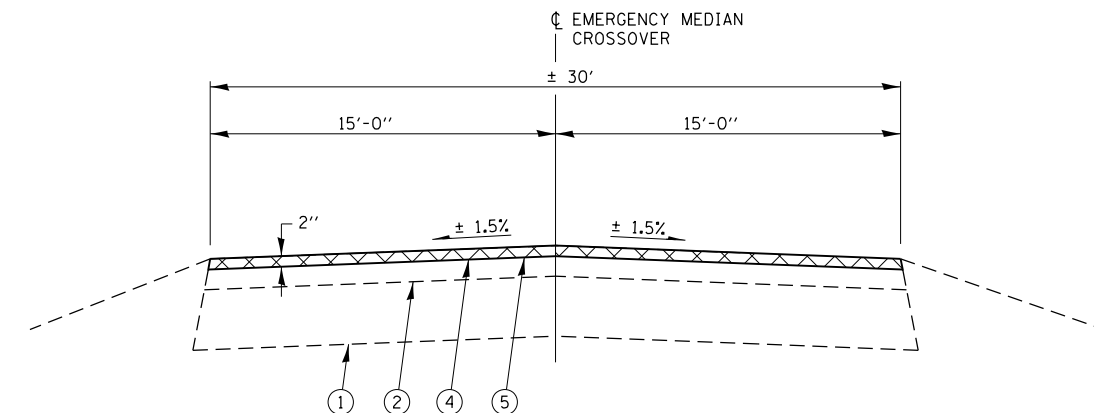


NOTES:
 TWO DELINEATORS SHALL BE PLACED IN ADVANCE OF THE MEDIAN CROSSOVERS. ONE SHALL BE AT THE CROSSOVER, THE OTHER 800 FT IN ADVANCE OF THE FIRST. THE DELINEATOR AT THE CROSSOVER SHALL HAVE TWO REFLECTORS, AND THE DELINEATOR 800 FT IN ADVANCE SHALL HAVE THREE REFLECTORS
 OMIT RUMBLE STRIPS IN SHADED [] AREAS OF SHOULDER

PLAN VIEW

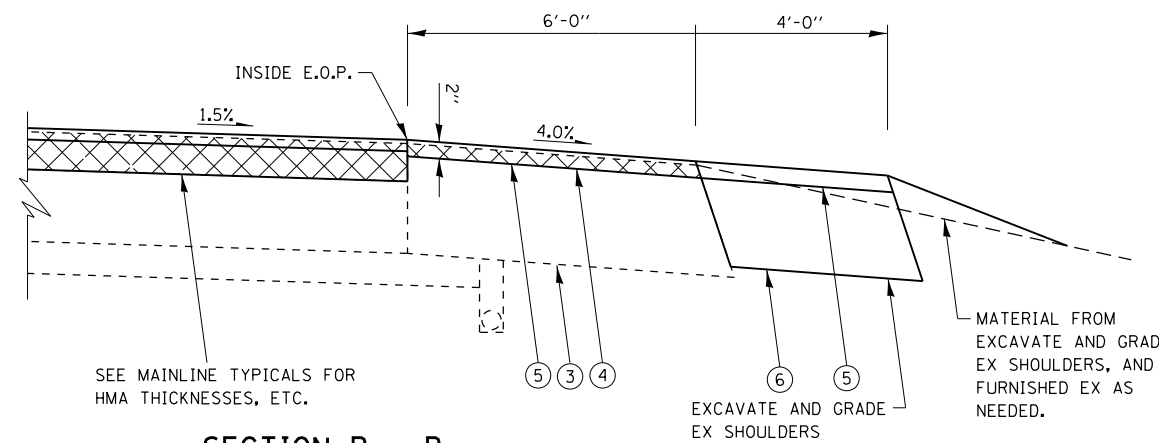


SECTION A - A



SECTION C - C

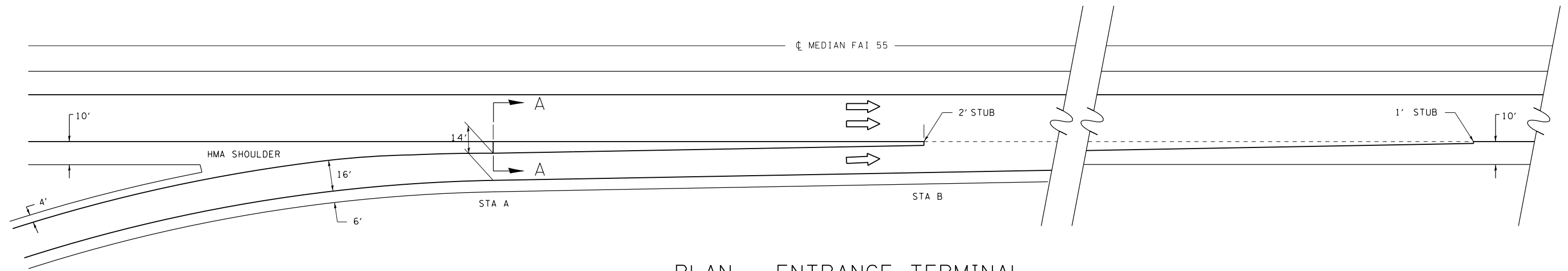
LEGEND	
①	EX AGGREGATE BASE COURSE
②	EX HOT-MIX ASPHALT OVERLAY
③	EX HOT-MIX ASPHALT SHOULDER
④	PR HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2"
⑤	PR HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (2")
⑥	PR HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (8")



SECTION B - B

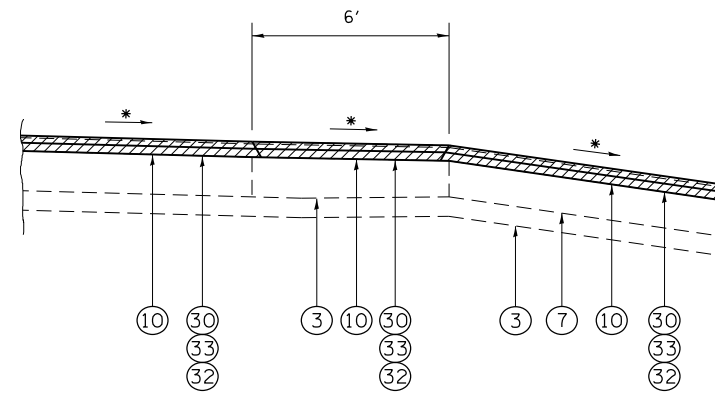
EMERGENCY CROSSOVER IMPROVEMENT

LOCATION	HMA SURF	EXCAV & GR	BIT MTRLS	HMA BC IL-19.0	HMA SC IL-9.5
	REM 1 1/2" SO YD	EX SHLDS UNIT	PRIME COAT POUND	N50 (8") TON	C N50 (2") TON
I-55 STA 1797+43	607.9	8.6	141.3	43.9	68.1
I-55 STA 45+50	605.9	8.6	141.3	43.9	67.9
TOTAL	1,214	17.2	282.6	88	136



PLAN - ENTRANCE TERMINAL

INTERCHANGE	RAMP	ADJACENT MAINLINE	STA A		STA B	
			RAMP	MAINLINE	RAMP	MAINLINE
IL 108	2	NB I-55	20+29	1668+27	16+78	1664+75
IL 108	4	SB I-55	20+04	1634+66	15+95	1638+76



SECTION A-A

RAMPS 2 & 4, IL 108

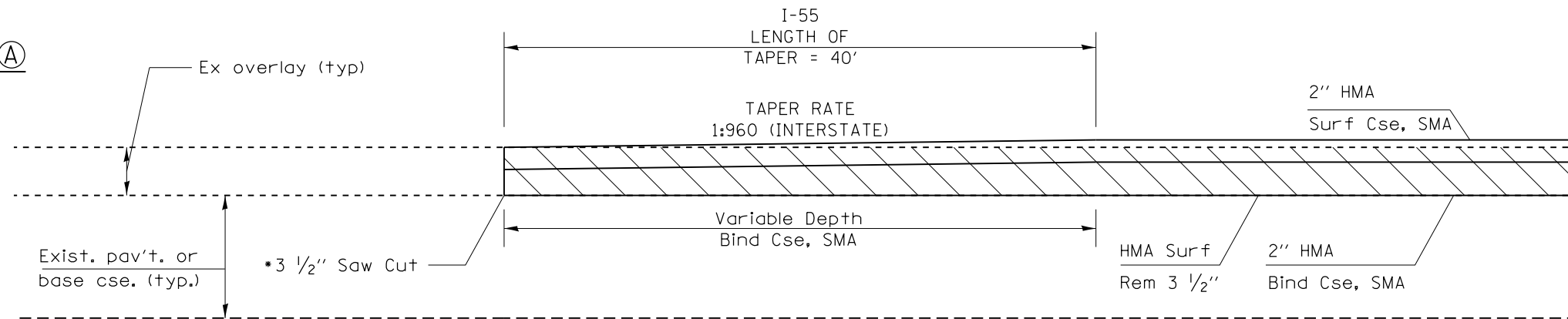
SEE TYPICAL SECTIONS FOR MORE INFORMATION

MATCH EXIST SLOPE

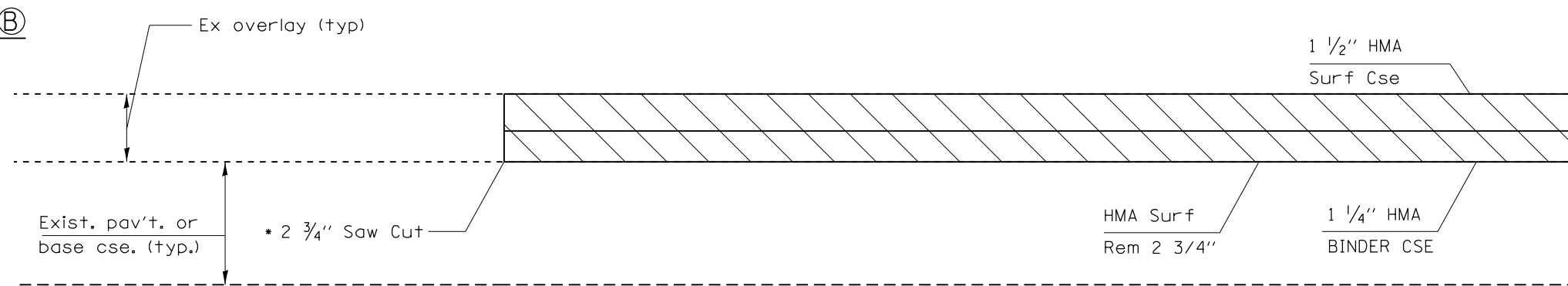
LEGEND

- ④ EX STABILIZED SUB-BASE
- ⑦ EX PCC PAVEMENT
- ③ EX HOT-MIX ASPHALT SHOULDER
- ⑩ EX HOT-MIX ASPHALT
- ⑳ PR HOT-MIX ASPHALT SURFACE REMOVAL 2"
- ⑳ PR HOT-MIX ASPHALT SURFACE REMOVAL 3 1/2"
- ㉓ PR POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 12.5, MIX "E", N80 (2")
- ㉔ PR POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, SMA 12.5, N80 (2")
- ㉕ PR HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (2")

Detail A



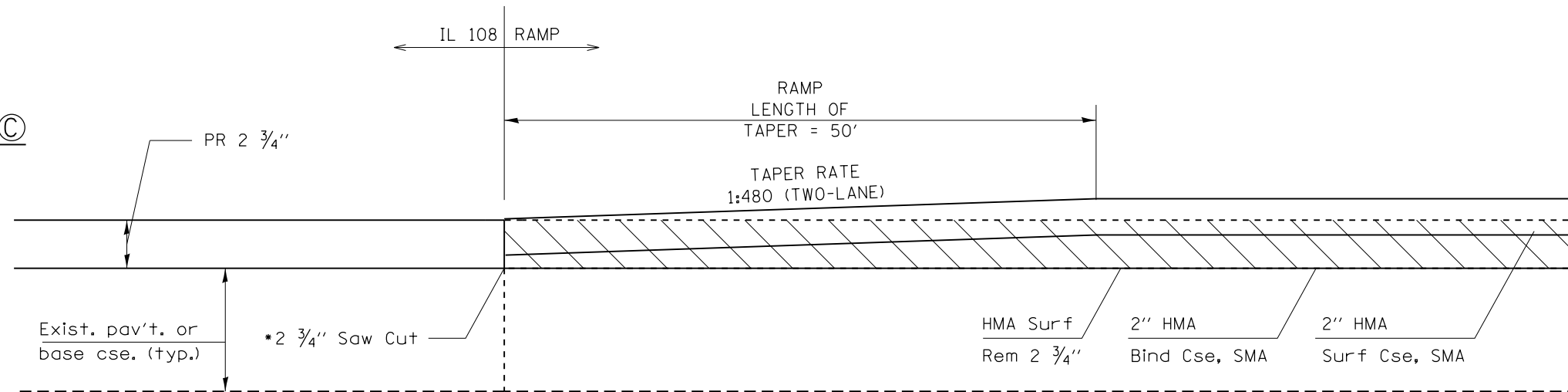
Detail B



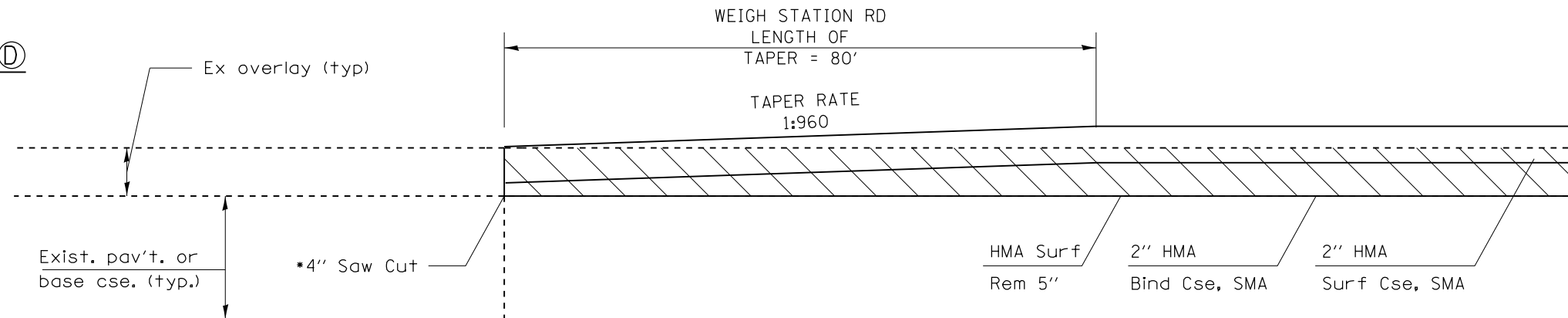
* TRANSITION STATIONS ARE BASED UPON THE RESURFACING TRANSITION FROM THE MOST RECENT RESURFACING, ACTUAL CONDITIONS MAY VARY. THE INTENT IS FOR ALL EX HMA ON THE PAVEMENT TO BE MILLED OFF. (i.e. MILL TO BARE CONCRETE.)

FILE NAME = D672031-sht-details.dgn	USER NAME = kcorider	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND TRANSITION DETAILS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Detail ©



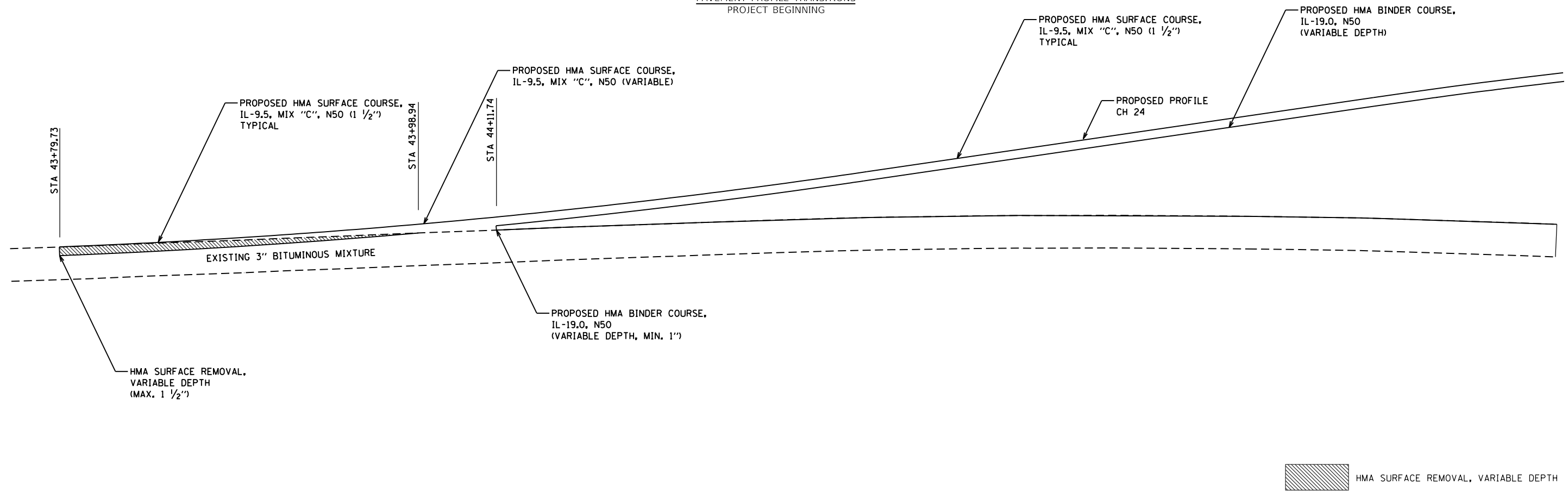
Detail ①

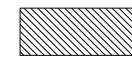


* TRANSITION STATIONS ARE BASED UPON THE RESURFACING TRANSITION FROM THE MOST RECENT RESURFACING, ACTUAL CONDITIONS MAY VARY. THE INTENT IS FOR ALL EX HMA ON THE PAVEMENT TO BE MILLED OFF. (i.e. MILL TO BARE CONCRETE.)

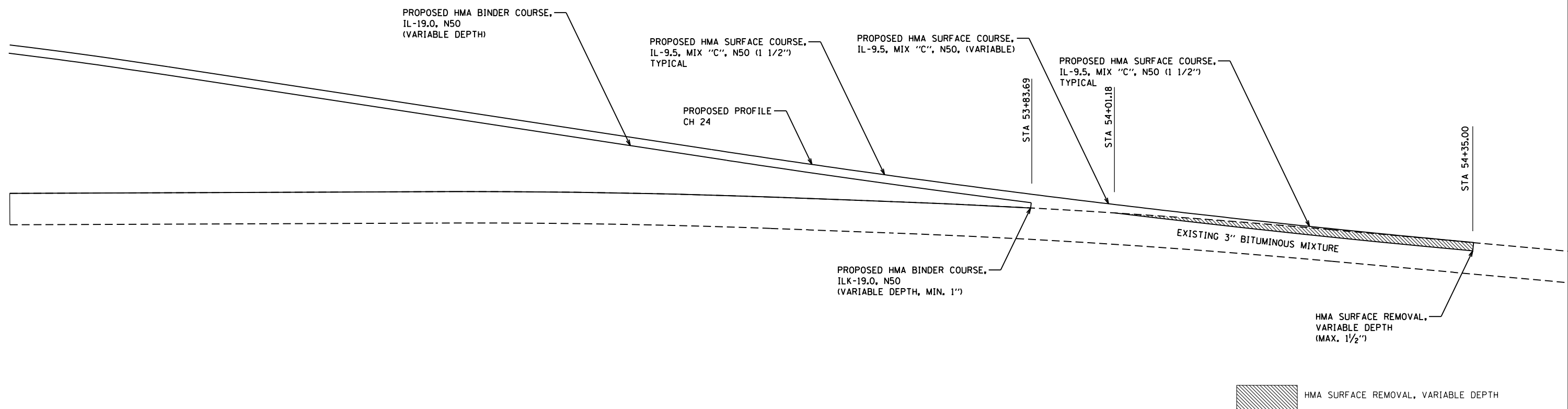
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		DATE -	REVISED -							ILLINOIS FED. AID PROJECT			

PAVEMENT PROFILE TRANSITIONS
PROJECT BEGINNING



 HMA SURFACE REMOVAL, VARIABLE DEPTH

PAVEMENT PROFILE TRANSITIONS
PROJECT END



 HMA SURFACE REMOVAL, VARIABLE DEPTH

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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

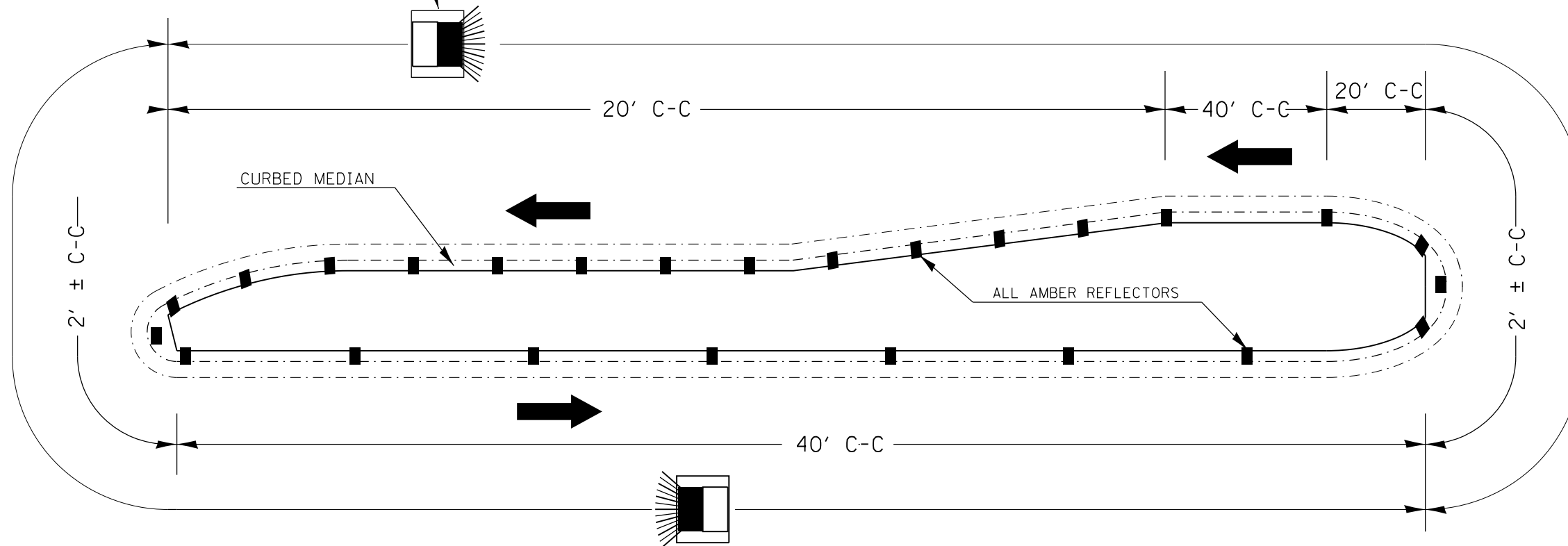
TRANSITION DETAIL
CH 24

SCALE: SHEET OF SHEETS STA. TO STA.

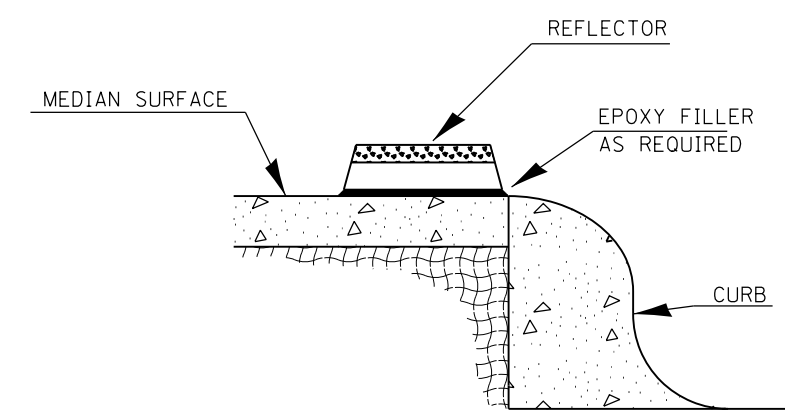
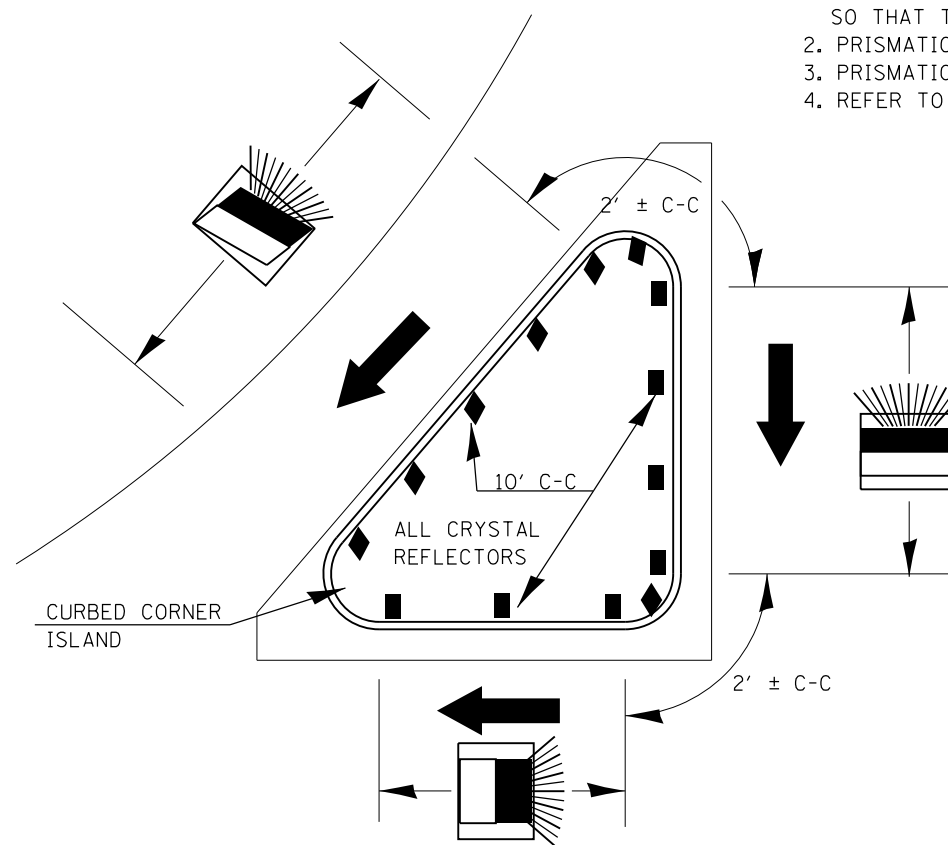
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	267
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

TYPICAL PLACEMENT OF PRISMATIC REFLECTORS ON CURBS

MARKER ORIENTATION WITHIN LIMITS SHOWN

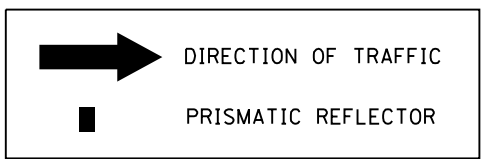


1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.
4. REFER TO SCHEDULES FOR PRISMATIC REFLECTOR QUANTITIES.

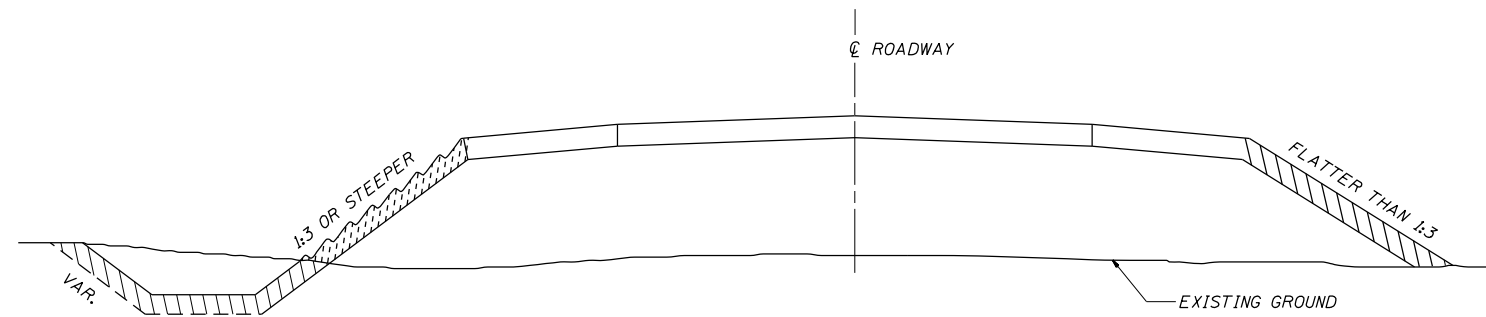


SECTION VIEW

LEGEND



FILE NAME = D672031-sht-details.dgn PRISM.DGN	USER NAME = kcorider	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRISMATIC REFLECTOR DETAILS (PLACED ON CURB)			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	268
PLOT DATE = 12/10/2019 - 7:26:07 PM	CHECKED -	REVISED -	CONTRACT NO. 72D31		ILLINOIS FED. AID PROJECT							
	DATE -	REVISED -	SCALE: N.T.S.		SHEET NO.	OF SHEETS	STA.	TO STA.				

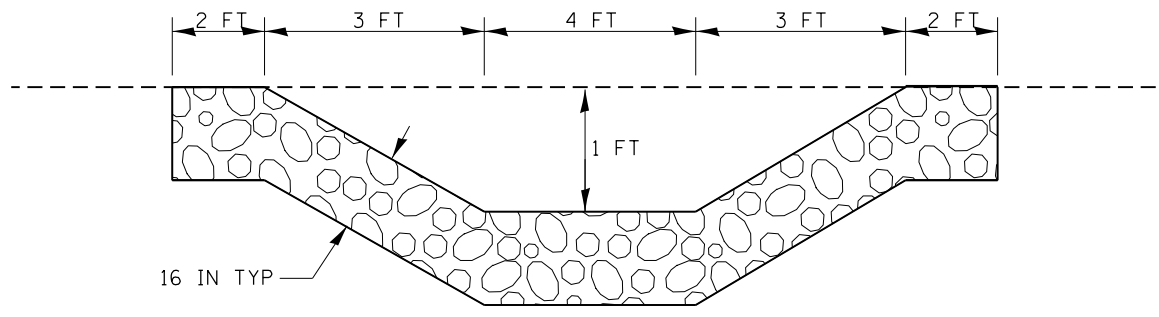


NOTES:
 ALL OTHER AREAS DISTURBED WITHIN THE RIGHT-OF-WAY OR CONSTRUCTION LIMITS SHALL BE SEEDED WITH CLASS 2 AND MULCH IN ACCORDANCE WITH METHOD 2, PROCEDURE 2 AS SPECIFIED IN ARTICLE 251.03(b) OF THE STANDARD SPECIFICATIONS.

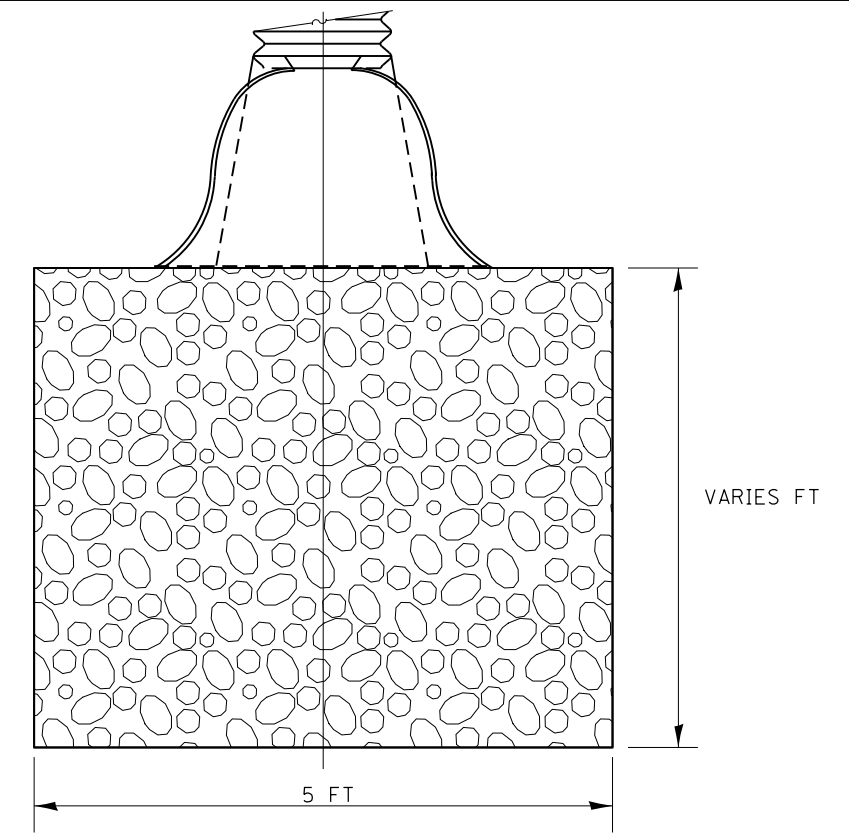
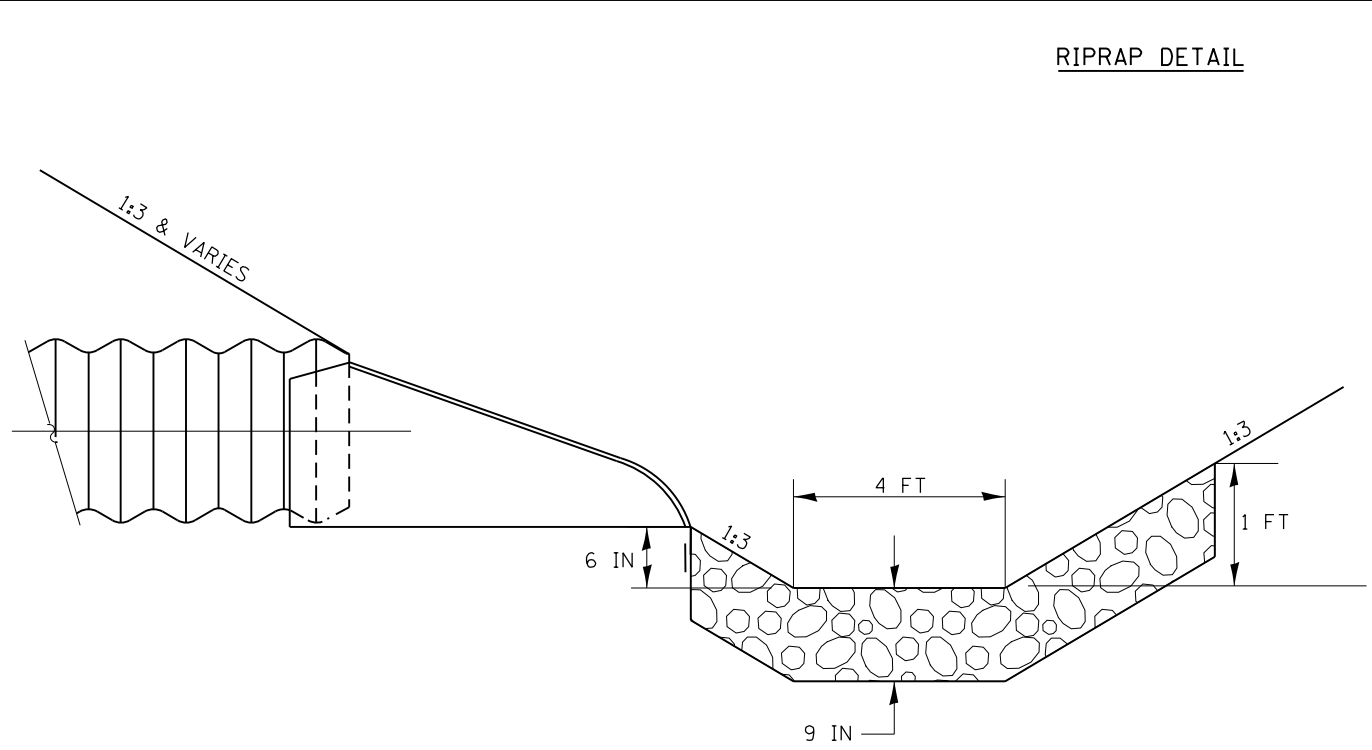
- LEGEND
- CLASS 2 SEEDING
 - MULCH METHOD 2 (SEE NOTES)
 - CLASS 2 SEEDING AND HEAVY-DUTY EROSION CONTROL BLANKET

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

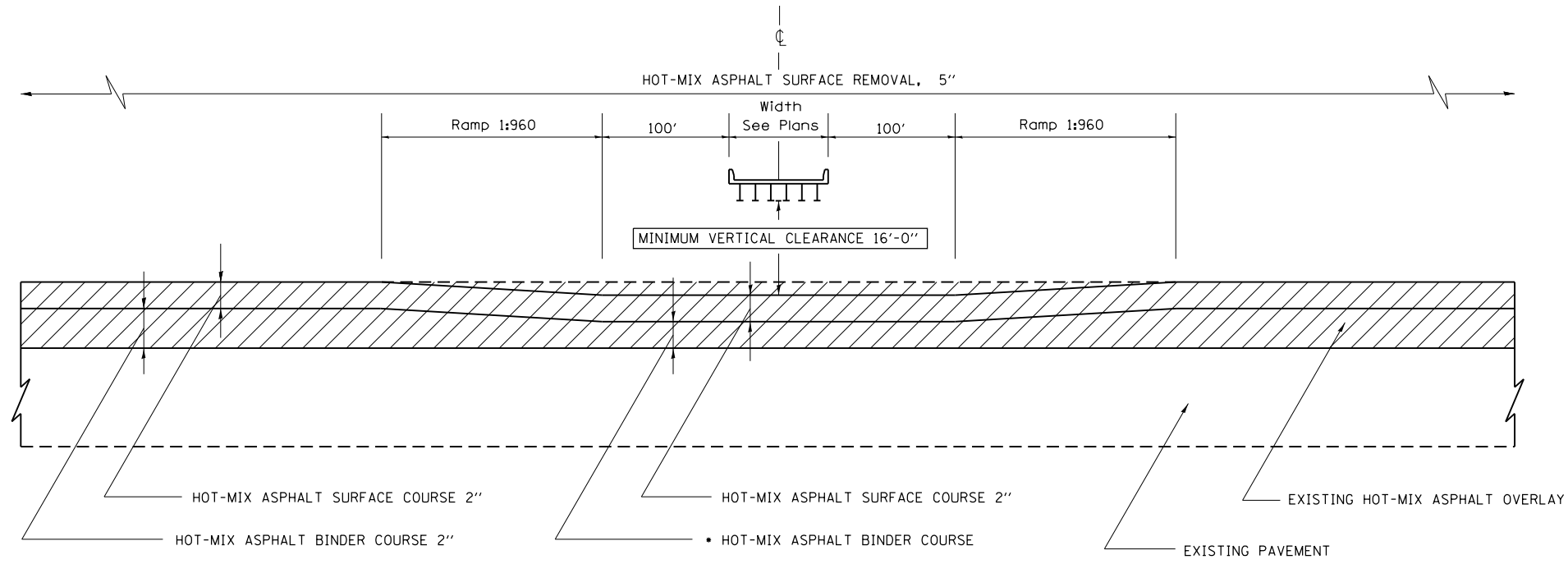
SWALE DITCH RIPRAP DETAIL



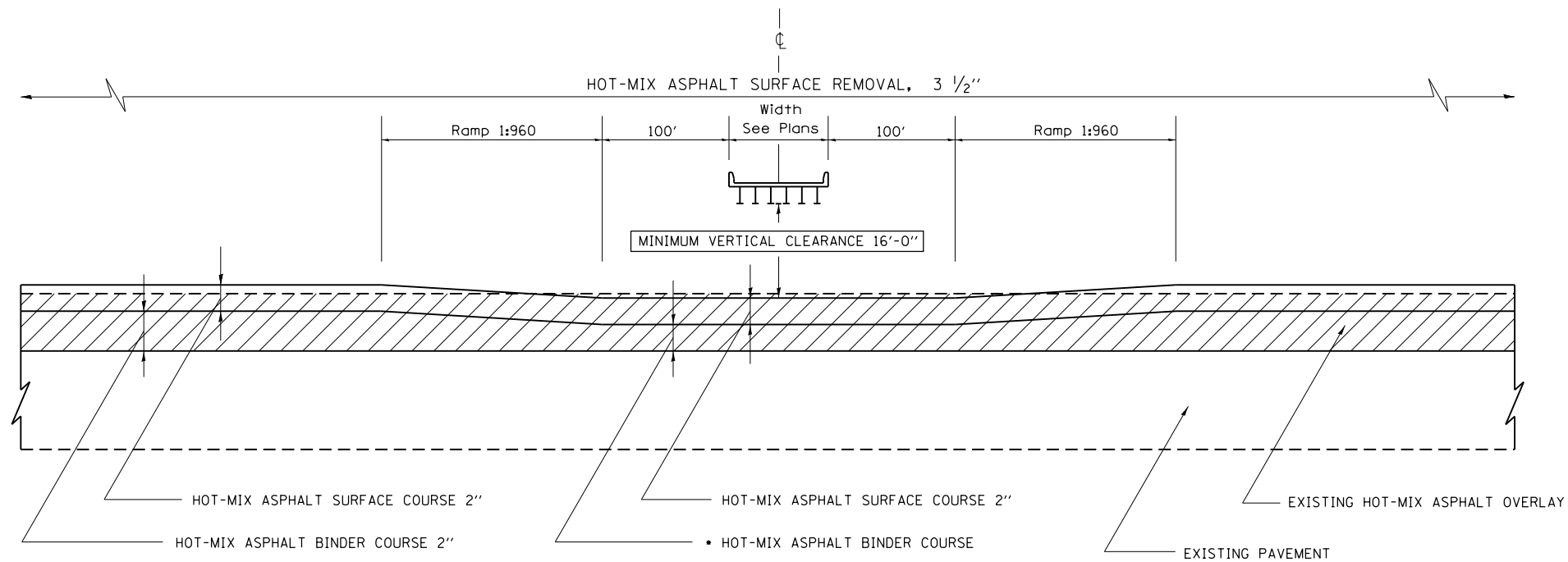
RIPRAP DETAIL



FILE NAME = D672031-sht-details.dgn	USER NAME = korider	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SEEDING, RIPRAP, AND SWALE DITCH RIPRAP DETAILS				F.A.I. RTE. 55	SECTION (68-1,3 RS-3,68-2 RS-5)BR	COUNTY MONTGOMERY	TOTAL SHEETS 307	SHEET NO. 269
Default	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 72D31	
	PLOT DATE = 12/10/2019 - 7:26:08 PM	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										



OVERHEAD STRUCTURE RAMPING DETAIL
SN 068-0044 NB (ONLY) I-55



OVERHEAD STRUCTURE RAMPING DETAIL
SN 068-0043 NB & SB I-55 @ IL 108
SN 068-0044 SB (ONLY) I-55 @ CH 24
SN 068-0047 NB & SB I-55 @ TR 48
SN 068-0050 NB & SB I-55 @ TR 235

NOTES:

STONE MATRIX ASPHALT RESURFACING OF THE EXISTING PAVEMENT AND SHOULDERS SHALL BE DONE IN A MANNER THAT MAINTAINS A MINIMUM VERTICAL CLEARANCE OF 16 FEET AT ALL OVERHEAD STRUCTURES. THE MINIMUM VERTICAL CLEARANCE SHALL BE MAINTAINED FROM OUTSIDE TO OUTSIDE OF THE PAVED SHOULDERS.

PRIOR TO THE START OF RESURFACING OPERATIONS, THE CONTRACTOR, IN THE PRESENCE OF THE ENGINEER, SHALL MEASURE AND DOCUMENT THE EXISTING VERTICAL CLEARANCE AT ALL OVERHEAD STRUCTURES. MEASUREMENTS SHALL BE TAKEN AT THE OUTSIDE EDGES OF THE PAVED SHOULDERS, AT THE EDGE OF EACH LANE, AND AT ANY SPLICE PLATES OVER THE SHOULDERS OR PAVEMENT. IF NECESSARY, THE ENGINEER SHALL MAKE ADJUSTMENTS TO THE RESURFACING THICKNESS SHOWN IN THE PLANS TO MAINTAIN THE REQUIRED MINIMUM VERTICAL CLEARANCE.

FOLLOWING PLACEMENT OF THE SURFACE COURSE AND HMA SHOULDERS, THE CONTRACTOR, IN THE PRESENCE OF THE ENGINEER, SHALL MEASURE AND DOCUMENT THE VERTICAL CLEARANCE AS DESCRIBED ABOVE. IF THE MINIMUM VERTICAL CLEARANCE IS LESS THAN 16 FEET, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL REMOVE AND REPLACE THE HMA SURFACE COURSE AS DIRECTED BY THE ENGINEER.

THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE VARIOUS ASPHALT ITEMS.

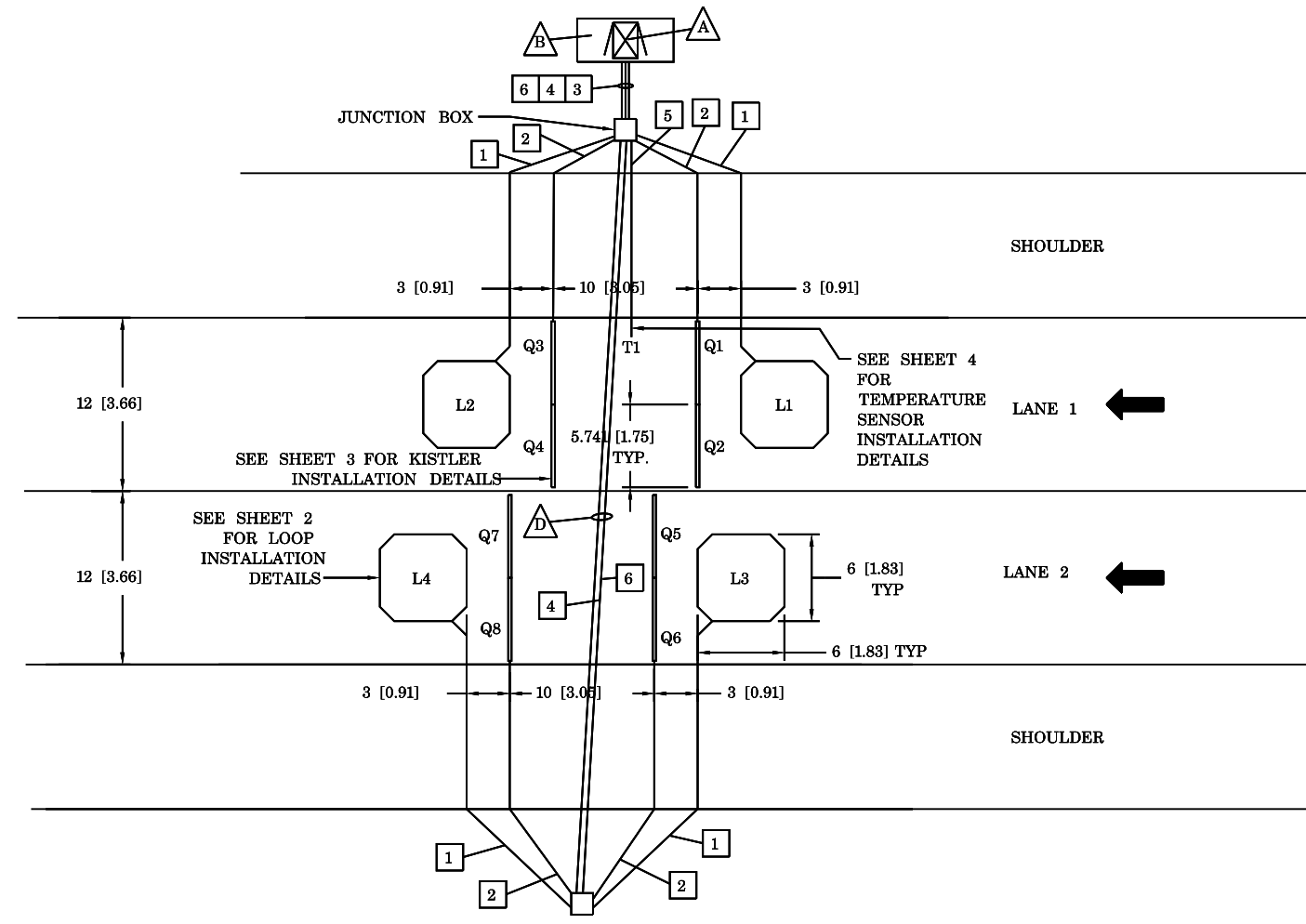
SHOULDERS SHALL BE RAMPED IN THE SAME MANNER AS THE BINDER AND SURFACE COURSES.

THE MINIMUM THICKNESS OF SMA WHEN PLACED WILL BE 1 1/2 INCHES. IF ADJUSTMENTS TO THE SMA LIFTS ARE UNABLE TO MAINTAIN THE 16 FT VERTICAL CLEARANCE, THE CONTRACTOR WILL BE REQUIRED TO MILL THE SMA BINDER COURSE BEFORE THE PLACEMENT OF THE SMA SURFACE COURSE IN ORDER TO MAINTAIN THE 16 FT VERTICAL CLEARANCE. ANY ADDITIONAL MILLING REQUIRED WILL BE MEASURED AND PAID FOR USING THE SAMEPAY ITEM USED FOR THE MAINLINE HMA SURFACE REMOVAL.

 - HOT-MIX ASPHALT SURFACE REMOVAL

 - TO BE DETERMINED/VERIFIED IN THE FIELD BY THE ENGINEER

FILE NAME = D672031-sht-details.dgn	USER NAME = korider	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERHEAD STRUCTURE RAMPING DETAIL			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 12/13/2019 - 12:21:04 PM	DATE -	REVISED -	REVISED -	SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 72D31 ILLINOIS FED. AID PROJECT			



ATTENTION: WIM sensors shall be placed approximately 200' downstream from the leading edge of the concrete pad.

LEGEND:
 L - INDUCTIVE LOOP
 Q - LINEAS * QUARTZ WIM SENSOR BY KISTLER
 T - TEMPERATURE SENSOR

NOTES: (THIS SHEET ONLY)

A CABINET WITH WIM ELECTRONICS.
B CABINET BASE.
 C PAVEMENT ON EITHER SIDE OF EACH SENSOR MUST BE FREE OF JOINTS AND CRACKS FOR 2' [0.61m].
D CONDUIT SHALL BE PLACED USING BORING, JACKING OR ALTERNATIVE METHOD THAT DOES NOT REQUIRE THE SURFACE OF THE ROAD TO BE CUT.

SIGNAL CONDUITS: (THIS SHEET ONLY)

- 1** 1" [25mm] CONDUIT
1 - LOOP LEAD
- 2** 1" [25mm] CONDUIT
2 - LINEAS * QUARTZ WIM SENSORS BY KISTLER LEADS
- 3** 2" [51mm] CONDUIT
2 - LOOP LEADS
4 - LINEAS * QUARTZ WIM SENSORS BY KISTLER LEADS
1 - TEMPERATURE SENSOR LEAD
- 4** 2" [51mm] CONDUIT
2 - LOOP LEADS
4 - LINEAS * QUARTZ WIM SENSORS BY KISTLER LEADS
- 5** 1" [25mm] CONDUIT
1 - TEMPERATURE SENSOR LEAD
- 6** 2" [51mm] CONDUIT
SPARE

GENERAL NOTES:

ALL CONNECTIONS BETWEEN SENSORS AND LEAD CABLES ARE DONE IN PULL BOX AND ARE SOLDERED THEN SEALED FOR WATERPROOFING. NUMBER AND PLACEMENT OF PULL BOXES NOT SHOWN.

POWER CABLES MUST BE RUN IN SEPARATE CONDUITS/PULL BOXES FROM SIGNAL CABLES.

SENSOR SPACING SHOWN IS TYPICAL SPACING REQUIREMENT, ACTUAL SENSOR SPACING MAY BE ALTERED TO SUIT SITE CONDITIONS BY THE IRD FIELD REPRESENTATIVE.

SITE CONDITIONS MUST MEET CURRENT ASTM E1318 REQUIREMENTS TO ACHIEVE OPTIMAL WIM SYSTEM PERFORMANCE.

CABLES MUST BE PROTECTED BY PVC SLEEVES WHERE THEY CROSS PAVEMENT JOINTS/CRACKS.

ADDITIONAL DRAINAGE MAY BE REQUIRED DEPENDING ON SLOPE OF ROADWAY. DRAINAGE CONSISTS OF 1-1/2" ABS PIPE SLOPED TO RIP RAP DRAINAGE PIT IN DITCH.

TEMPERATURE SENSOR MUST BE INSTALLED AS SHOWN IN DRAWING.

IRD RECOMMENDS THAT PULL BOXES BE NO FURTHER THAN 200' [61m] APART. IRD RECOMMENDS THE MINIMUM SIZE FOR PULL BOXES IS 18" [45.7cm] X 18" [45.7cm] X 12" [30.5cm].

SEPARATE CONDUITS AND PULL BOXES MUST BE USED FOR AC POWER AND LOW VOLTAGE SIGNAL/FIBER OPTIC CABLES.

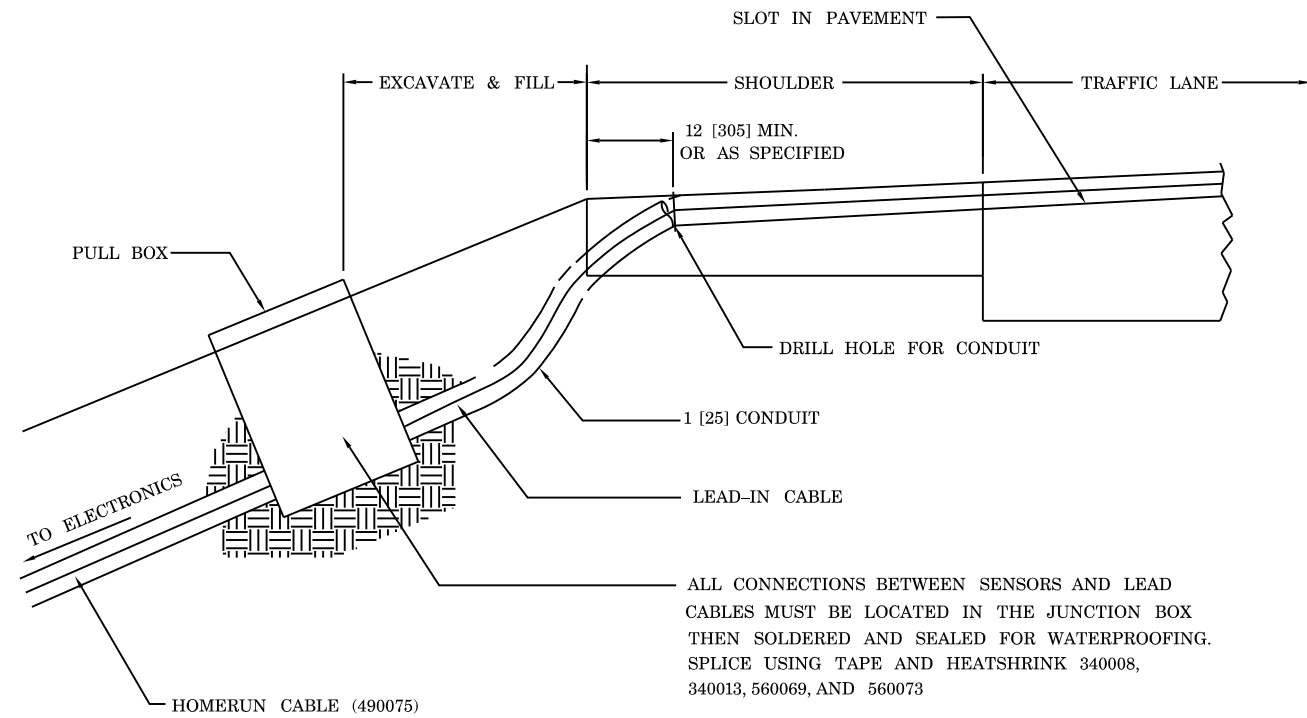
EXACT ROUTING OF CONDUIT TO BE DETERMINED ON SITE. CONDUITS ARE LABELED LEFT TO RIGHT, TOP TO BOTTOM.

SEE DRAWING 81300907 FOR POWER WIRING REQUIREMENTS.

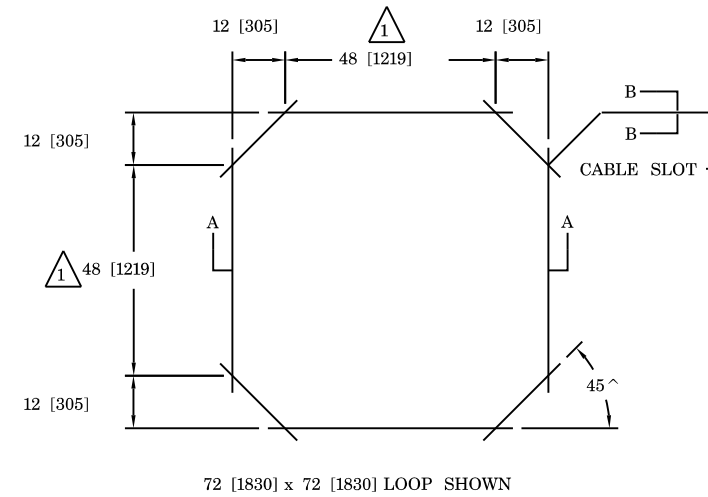
DRAWING NOT TO SCALE.

INSTALLATION DETAILS - XHHW VEHICLE DETECTION LOOPS

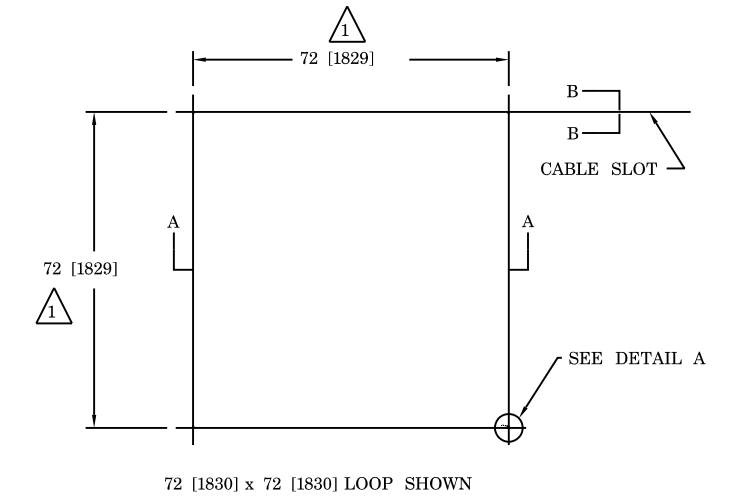
LOOP CABLE ROUTING DETAILS



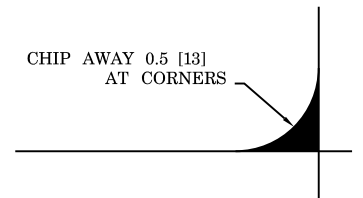
OCTAGON LOOP DIMENSION DETAIL



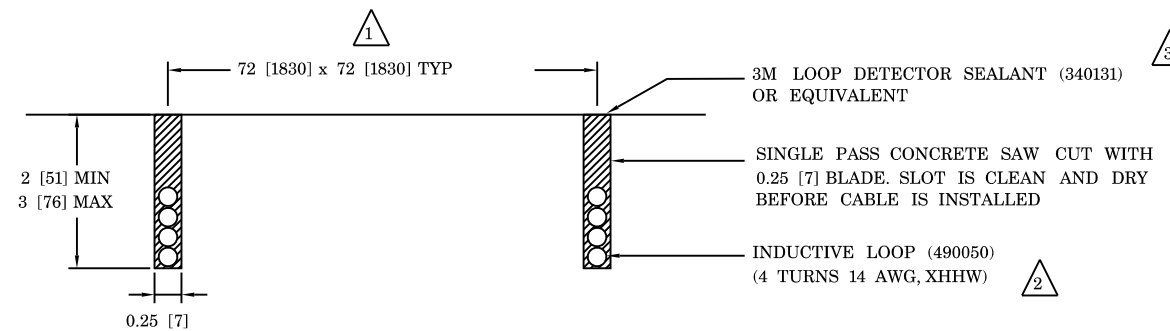
SQUARE LOOP DIMENSION DETAIL



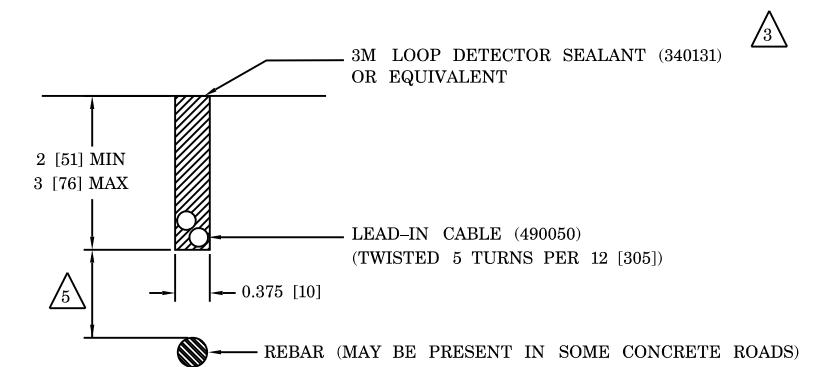
DETAIL A



SECTION A-A



SECTION B-B



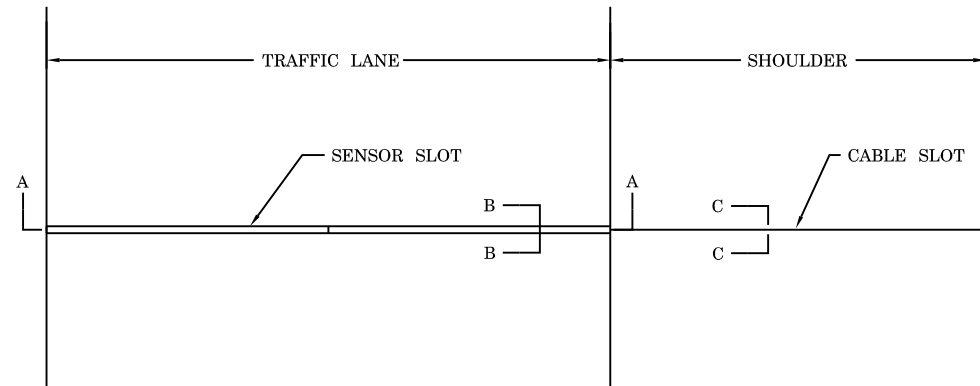
NOTES:

- 1 LOOP SIZE AS SPECIFIED ON SITE LAYOUT AND IN ACCORDANCE WITH IRD 3EGR0001.
- 2 NUMBER OF TURNS AS SPECIFIED ON SITE LAYOUT AND IN ACCORDANCE WITH IRD 3EGR0001.
- 3 USE CAULKING GUN 340132 OR 340148.
- 4 LOOP INSTALLATION MANUALS:
690279 - PERMANENT OCTAGON LOOPS
690289 - PERMANENT SQUARE LOOPS
- 5 IF THE LOOP IS INSTALLED OVER REBAR, THERE MUST BE A MINIMUM OF 2 [50.8] CONCRETE BELOW AND A MINIMUM OF 1 [25.4] FILL ABOVE THE WIRES.

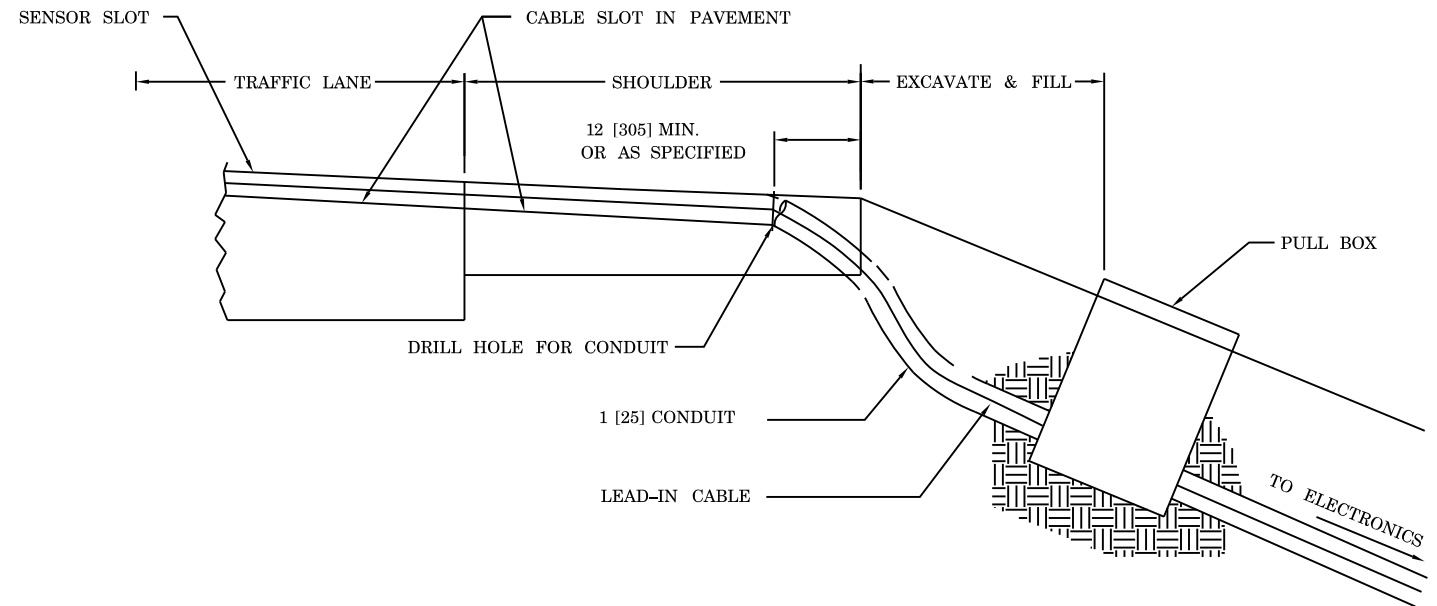
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	272
Default	PLOT DATE = 12/10/2019 - 7:26:12 PM	DATE -	REVISED -	SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 72D31 ILLINOIS FED. AID PROJECT	

INSTALLATION DETAILS - 1.75m KISTLER SENSOR

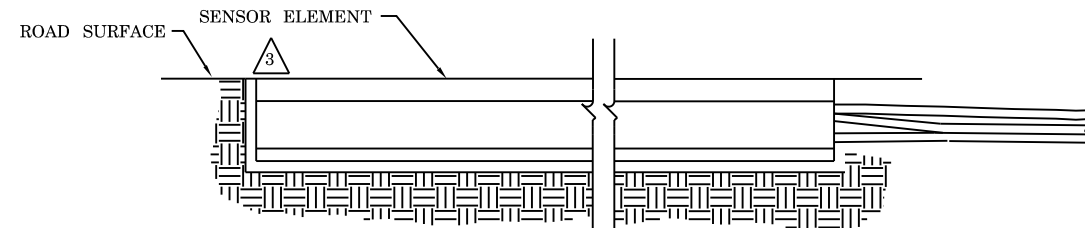
PLAN VIEW - SENSOR INSTALLATION



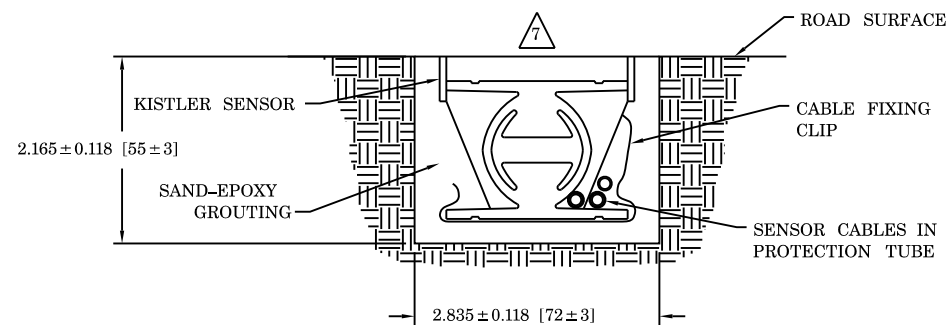
CABLE ROUTING DETAILS



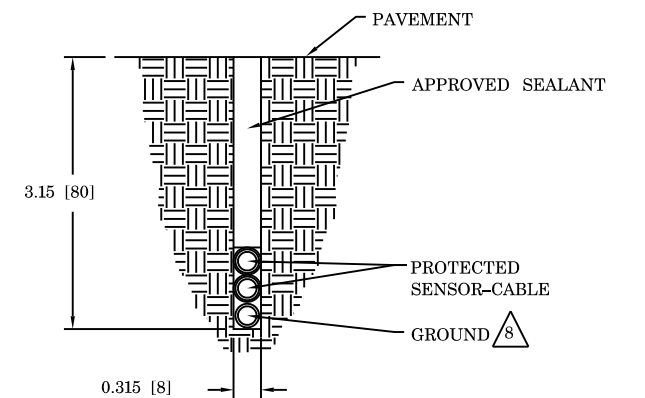
SECTION A-A



SECTION B-B



SECTION C-C



NOTES:

- 1 CRACKS OR SAW CUTS IN THE ROADWAY MUST NOT BE LOCATED CLOSER THAN 18 [450] UPSTREAM AND 18 [450] DOWNSTREAM OF THE KISTLER SENSOR.
- 2 SLOT LENGTH IS 6 [152] LONGER THAN SENSOR.
- 3 SET SENSOR FLUSH WITH OR SLIGHTLY HIGHER THAN ROAD SURFACE USING INCLUDED LEVELING BEAMS.
- 4 CHECK THE RESISTANCE OF THE SENSOR BY PLACING A DIGITAL MULTIMETER ACROSS THE CENTER CONDUCTOR OF THE BNC CONNECTOR AND THE OUTER BODY. THE READING SHOULD BE INFINITY.
- 5 CHECK THE VOLTAGE OUTPUT OF THE SENSOR BY MONITORING THE METER WHEN A TRUCK PASSES OVER THE SENSOR INSTALLED IN THE ROADWAY. AS THE TRUCK PASSES OVER THE SENSOR, VOLTAGE DEFLECTION SHOULD BE OBSERVED.
- 6 KISTLER INSTALLATION MANUAL: 690359.
- 7 SENSOR MUST BE GROUND FLUSH WITH ROAD SURFACE AFTER GROUT HAS CURED.
- 8 IF SIGNIFICANT NOISE SOURCES ARE IDENTIFIED, OVERHEAD POWER SOURCES ETC., CONNECT OPTIONAL GROUND WIRE AS PER 690359 SECTION 4.5. OTHER END OF GROUND WIRE CONNECTS TO CABINET GROUND BUSBAR.

FILE NAME = ... \0672031-shd-details.dgn	USER NAME = kcorider	DESIGNED -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
	PLOT DATE = 12/10/2019 - 7:26:13 PM	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

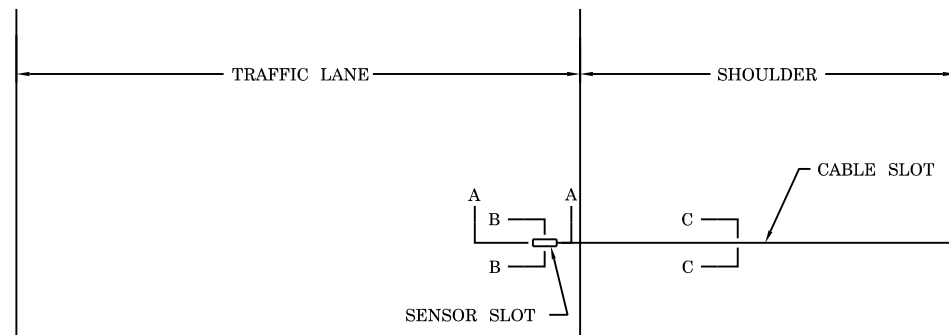
**WEIGH IN MOTION
DETAILS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	

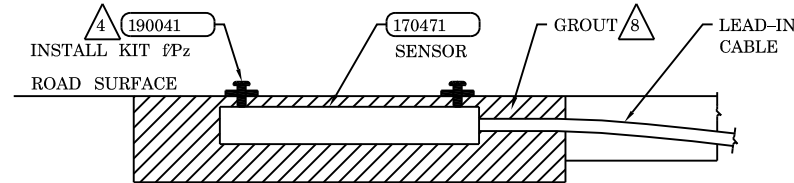
INSTALLATION DETAILS - IN ROAD TEMPERATURE SENSOR

PLAN VIEW - SENSOR INSTALLATION

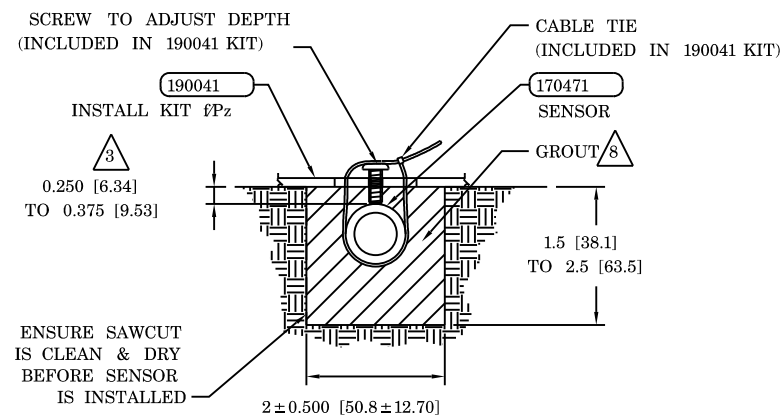


SENSOR PN 170471

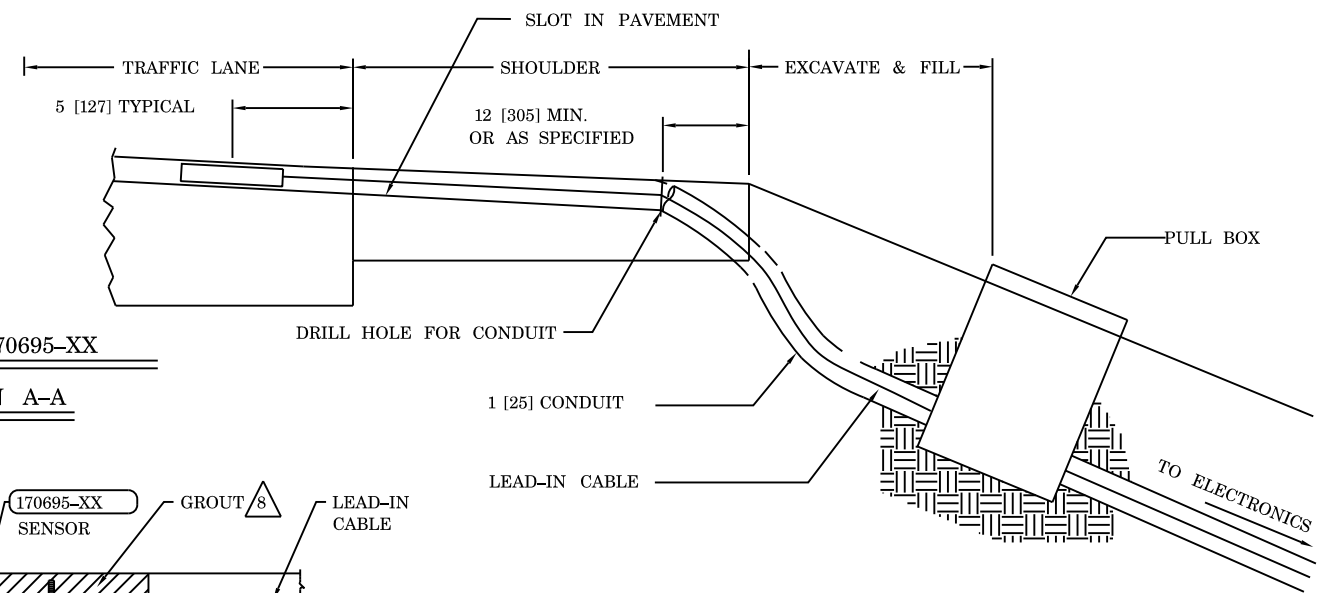
SECTION A-A



SECTION B-B

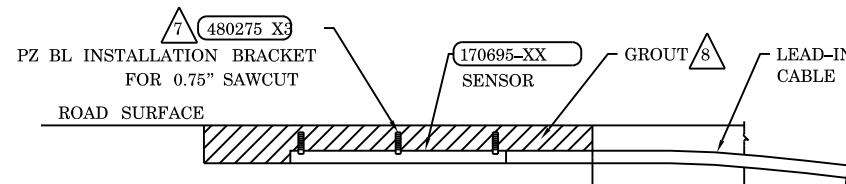


CABLE ROUTING DETAILS

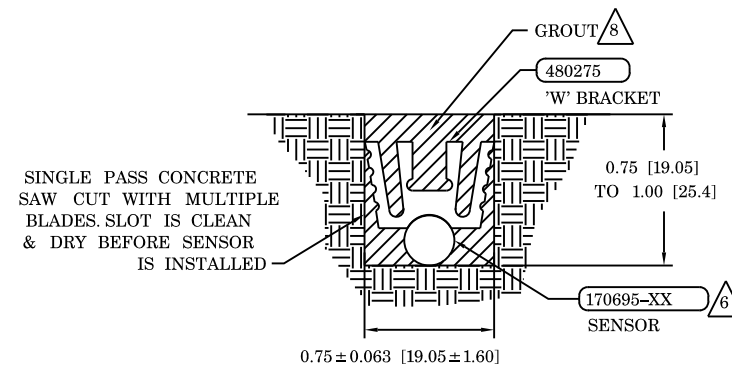


SENSOR PN 170695-XX

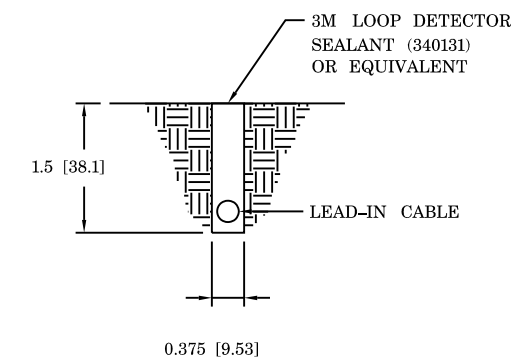
SECTION A-A



SECTION B-B



SECTION C-C



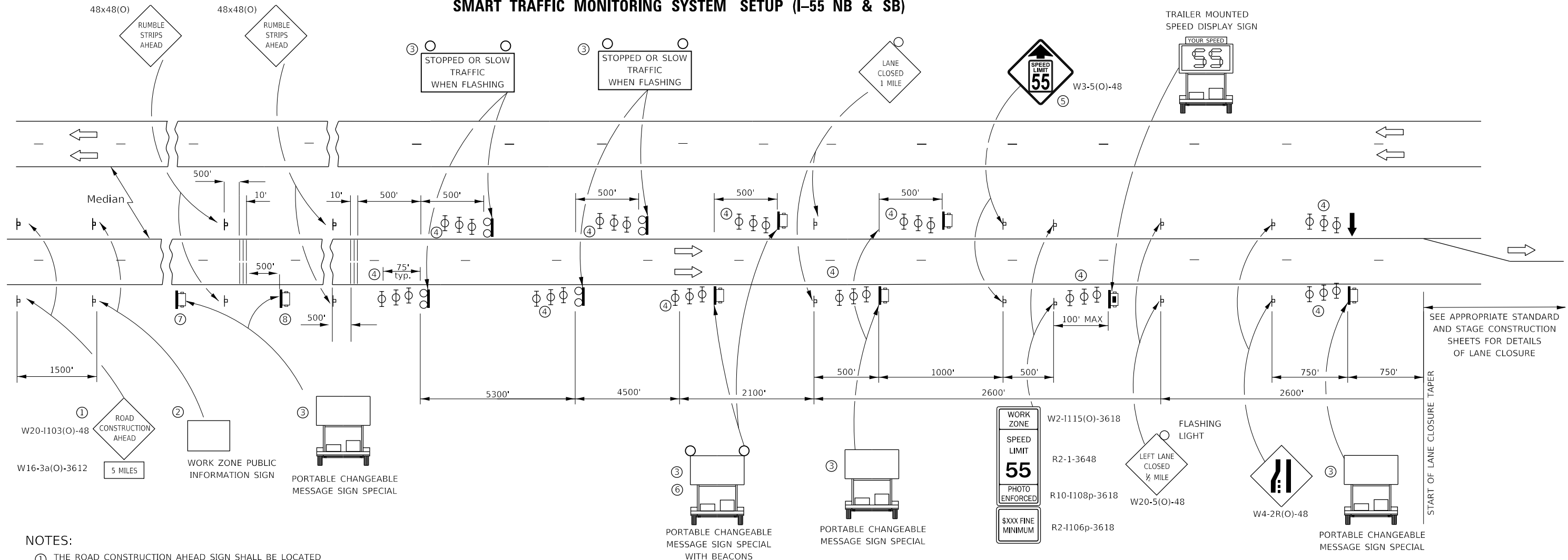
NOTES:

- 1 CRACKS OR SAW CUTS IN THE ROADWAY MUST NOT BE LOCATED CLOSER THAN 18" [450MM] UPSTREAM AND 18 [450MM] DOWNSTREAM OF THE TEMPERATURE SENSOR.
- 2 SLOT LENGTH IS 4" [102MM] LONGER THAN SENSOR.
- 3 SET THE SENSOR AT THE CORRECT DEPTH.
- 4 PLACE A BRACKET AT EACH END OF THE SENSOR.
- 5 LOCATE SENSOR IN SAME PAVEMENT AND WITHIN 6' [2M] OF THE TEMPERATURE COMPENSATED DEVICE. AVOID PLACING IN WHEEL PATH.
- 6 WEDGE SENSOR AGAINST FLOOR OF CUT UNDER "W" CLIP (PN 480275).
- 7 SPACE THREE BRACKETS (PN 480275) EVENLY OVER THE LENGTH OF THE SENSOR.
- 8 USE GROUT OF SAME TYPE AS THAT OF SENSOR BEING COMPENSATED:
 PIEZO - USE AS475 (340028) OR PU200 (IT2000285)
 KISTLER - USE KISTLER GROUT (340139) OR FLEXOLITH (340082)

FILE NAME = ... \D672031-sht-details.dgn	USER NAME = kcorider	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WEIGH IN MOTION DETAILS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -						55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	274
	PLOT DATE = 12/10/2019 - 7:26:15 PM	CHECKED -	REVISED -						CONTRACT NO. 72D31				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
					SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO	STA.		

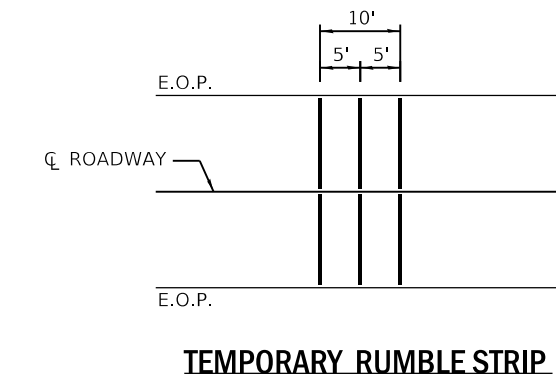
TC&P STANDARD 701401 (SPECIAL) WITH SMART TRAFFIC CONTROL

SMART TRAFFIC MONITORING SYSTEM SETUP (I-55 NB & SB)



- NOTES:**
- 1 THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 5 MILES IN ADVANCE OF THE PROJECT LIMITS.
 - 2 THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
 - 3 UNIT TO BE PAID FOR SEPARATELY. TO BE PLACED OUTSIDE OF EXISTING PAVED SHOULDER. ANY REQUIRED EARTHWORK INCLUDED IN THE COST OF THE UNIT.
 - 4 THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 25' CENTERS.
 - 5 THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.
 - 6 WHEN SHOWN, PORTABLE CHANGEABLE MESSAGE SIGN SPECIAL SHALL HAVE EQUIVALENT FLASHING BEACONS AS REAL TIME TRAFFIC CONTROL SIGNING. COST INCLUDED IN PORTABLE CHANGEABLE MESSAGE SIGN SPECIAL.
 - 7 MESSAGE BOARD SHALL BE PLACED BEFORE PREVIOUS INTERCHANGE. (NB-MT. OLIVE: SB-FARMERSVILLE)
 - 8 MESSAGE BOARD SHALL BE PLACED 5 MILES OUT.

- LEGEND:**
- ↓ ARROW BOARD
 - ☐ PORTABLE CHANGEABLE MESSAGE SIGN SPECIAL (PCMS)
 - ⊥ SIGN
 - ⊙ REAL-TIME TRAFFIC CONTROL SIGNING
 - ⊕ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT.
 - ▨ TEMPORARY RUMBLE STRIPS (SPECIAL). SEE DETAIL & SPECIAL PROVISION
 - ☑ SPEED DISPLAY TRAILER



- GENERAL NOTES:**
- WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.
 - THE FIRST TWO SIGNS ARE STATIONARY. THE OTHER SIGNS, ARROWBOARDS AND MESSAGE BOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).
 - SEE SPECIAL PROVISIONS FOR SMART TRAFFIC MONITORING SYSTEM, PORTABLE CHANGEABLE MESSAGE SIGN SPECIAL AND CONTROL OF WORK.

MODEL: Default
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 PROJECT: I-55 NB & SB
 DATE: 4/3/2020

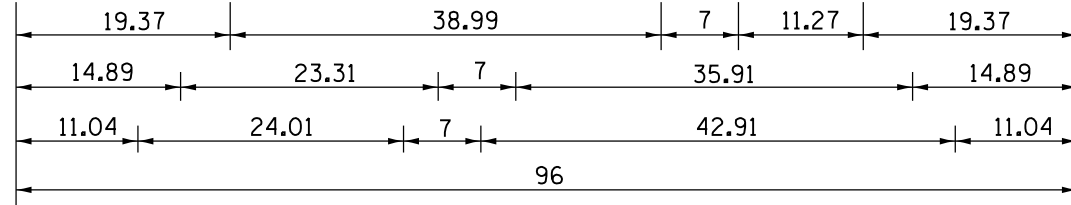
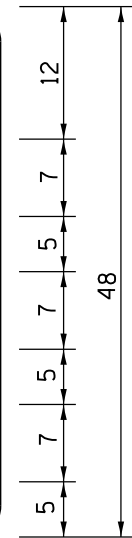
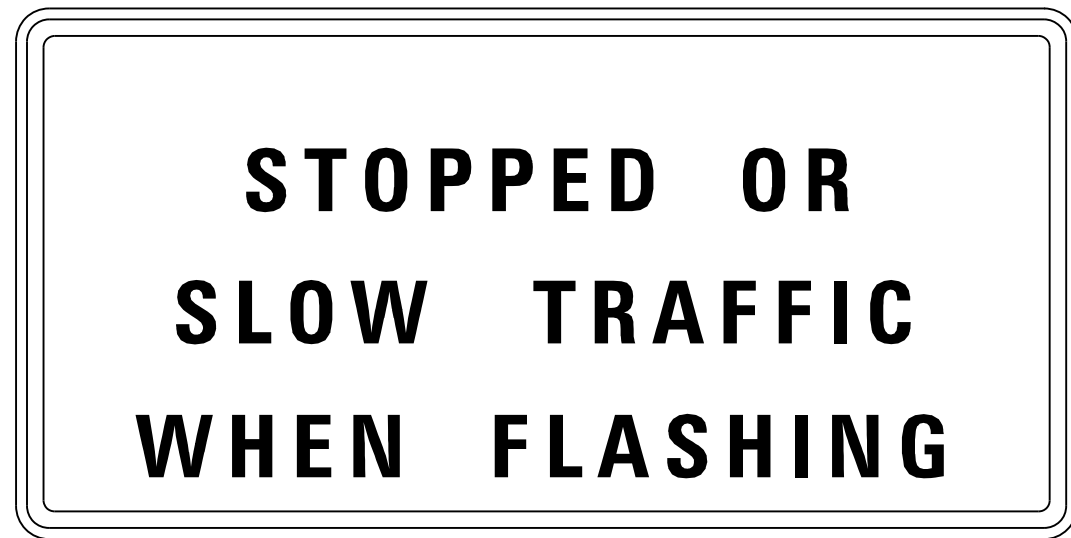
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PLOT DATE = 4/3/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TC&P STANDARD 701401 (SPECIAL) WITH SMART TRAFFIC CONTROL			
DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	MONTGOMERY	307	275
CONTRACT NO. 72D31				
ILLINOIS FED. AID PROJECT				

*(68-1.3 RS-3, 68-2 RS-5) BR



Stopped Or Slow Traffic When Flashing; 2.25" Radius, 1.00" Border, 0.63" Indent, Black on Orange; "STOPPED OR" D 2K; "SLOW TRAFFIC" D 2K; "WHEN FLASHING" D 2K;

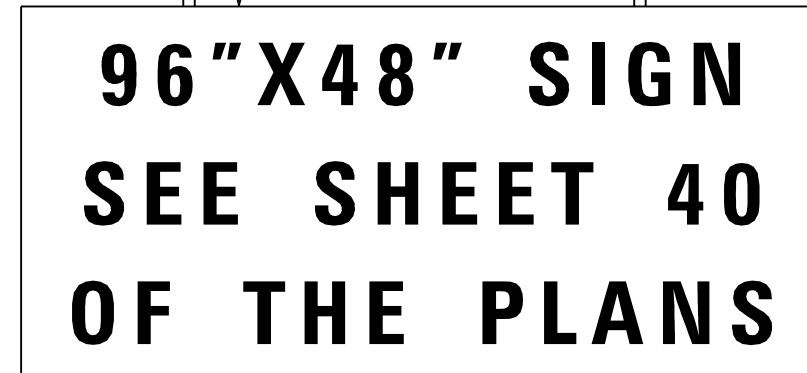
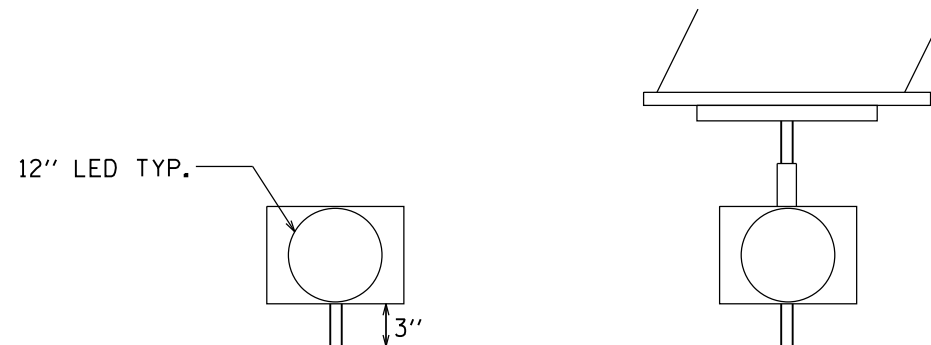
TABLE OF LETTER AND OBJECT LEFTS

S	T	O	P	P	E	D	O	R			
19.37	24.69	29.94	36.45	42.26	48.07	53.60	65.36	71.87			
S	L	O	W	T	R	A	F	F	I	C	
14.89	20.84	26.09	31.97	45.20	50.59	55.91	62.91	68.30	73.69	76.35	
W	H	E	N	F	L	A	S	H	I	N	G
11.04	18.32	24.76	30.29	42.05	47.44	52.20	58.71	64.66	71.10	73.90	80.20

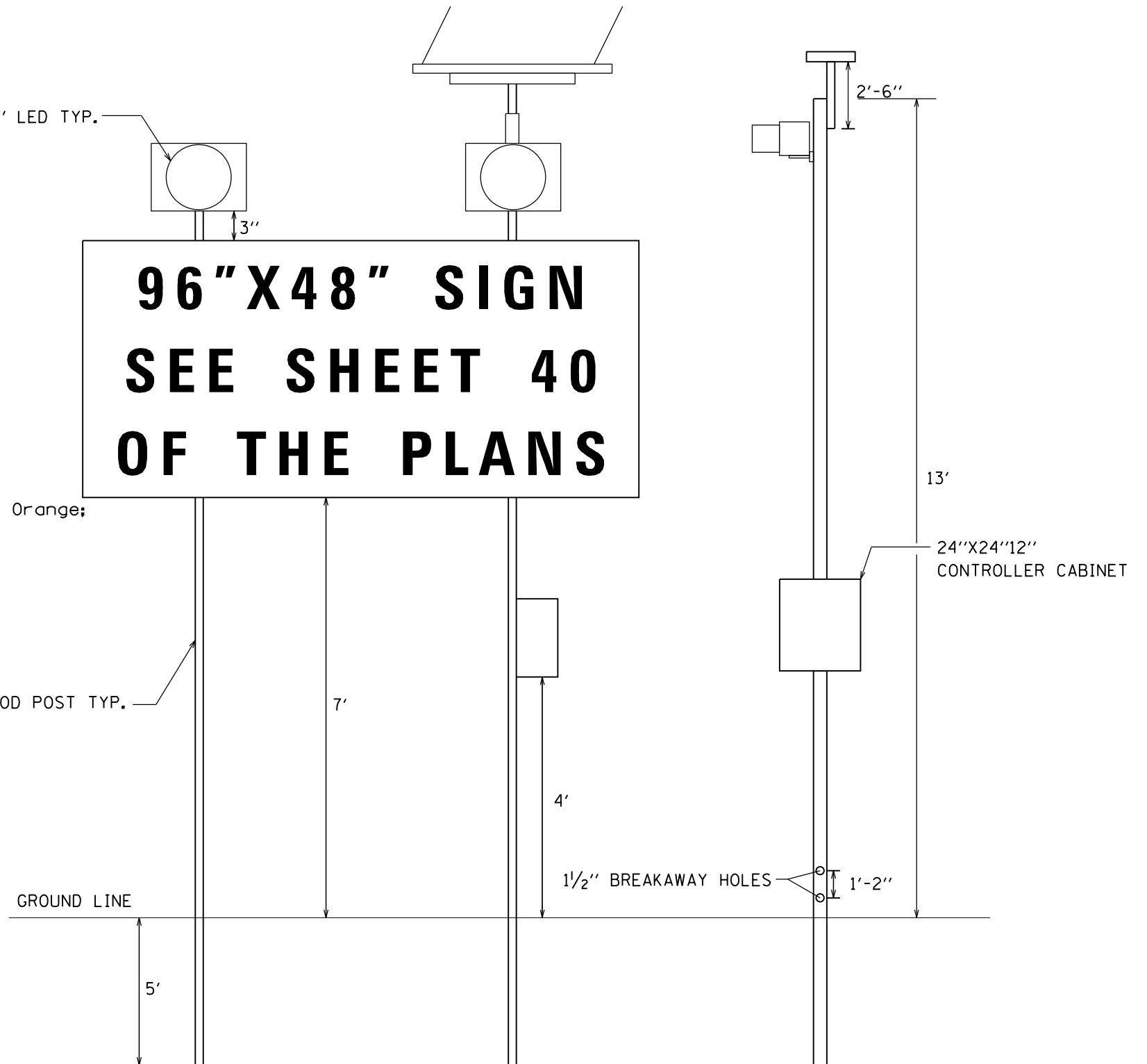
RTTC SIGN DETAIL

EXACT LOCATIONS OF SIGNS AND OTHER RTTC SENSOR UNIT EQUIPMENT SHALL BE DETERMINED AS DETAILED IN SPECIAL PROVISION FOR REAL-TIME TRAFFIC CONTROL SYSTEM

SIGNS TO BE EQUIPPED WITH FLASHERS (SEE SPECIAL PROVISION)



4"X6" WOOD POST TYP.



FILE NAME =	USER NAME = korider	DESIGNED -	REVISED -
...\\0672031-sht-details.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 12/10/2019 - 7:26:18 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

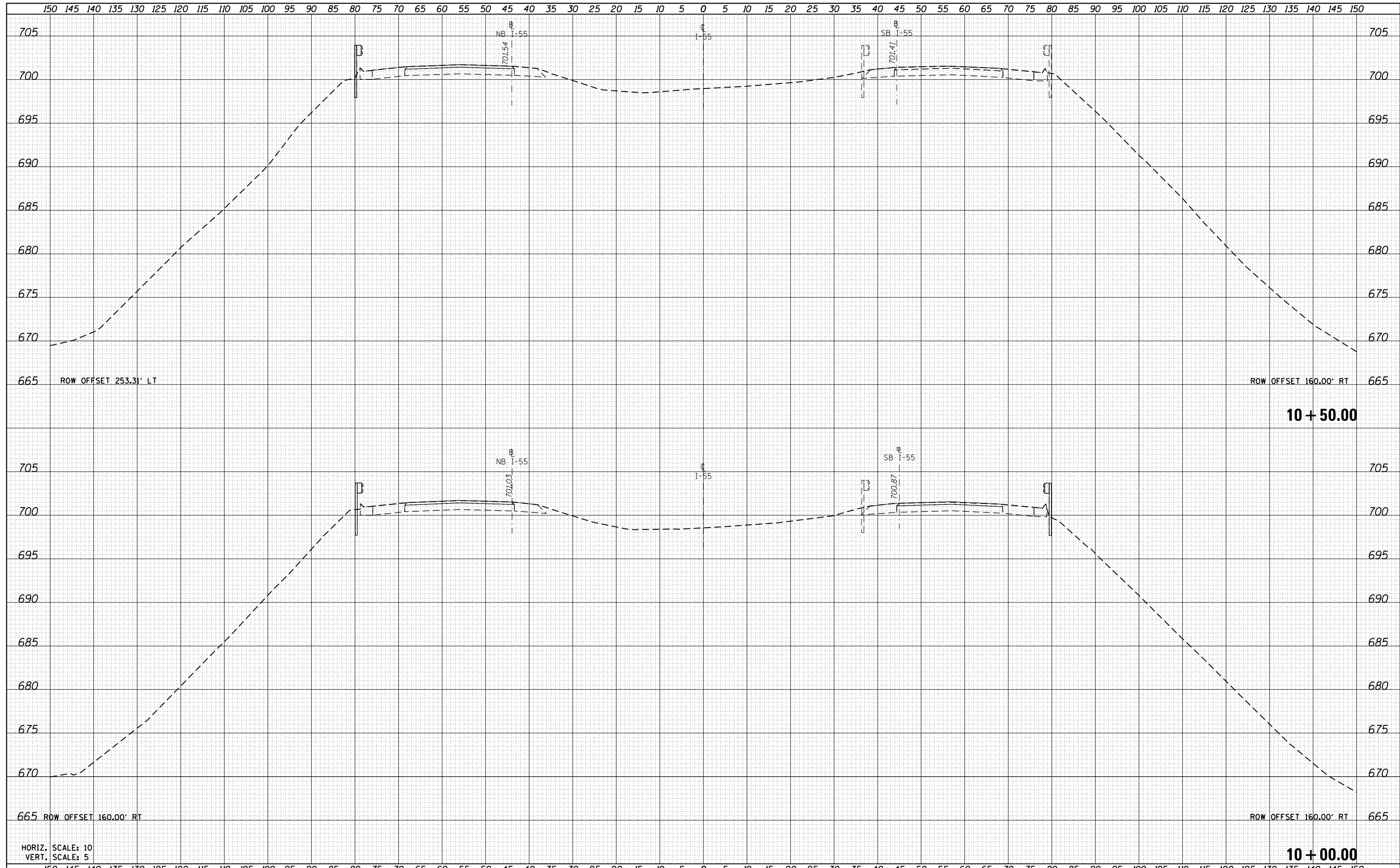
REAL TIME TRAFFIC CONTROL SIGN DETAIL

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	277
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

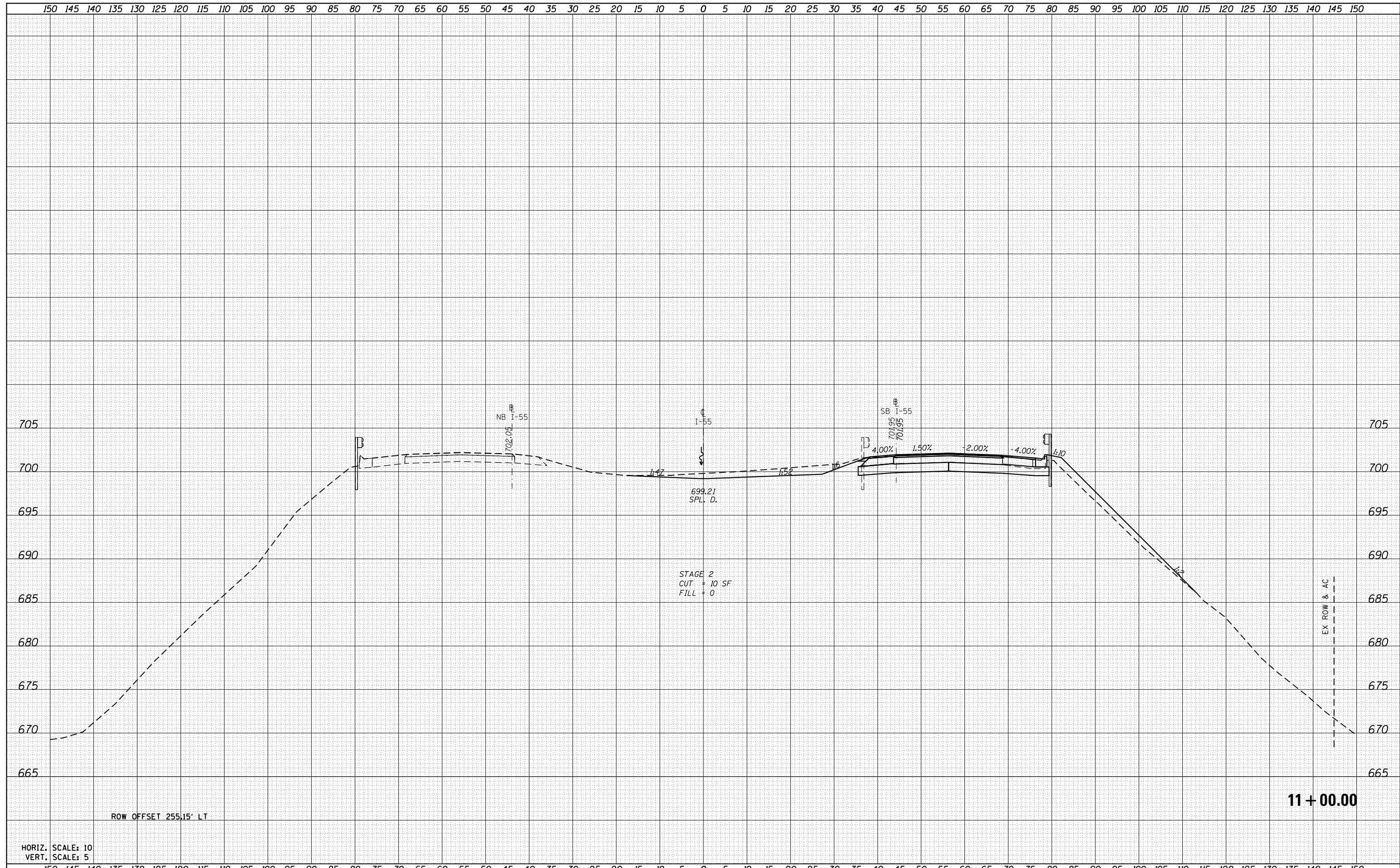
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAI-55 CROSS SECTIONS			F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D672031-sht-xsc55.dgn	PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -					55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	278
Default	PLOT DATE = 2/25/2020 - 3:45:31 PM	CHECKED -	REVISED -		CONTRACT NO. 72D31							
		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 10+50.00	TO STA. 10+50.00	ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL	
NOTE BOOK	
NO.	

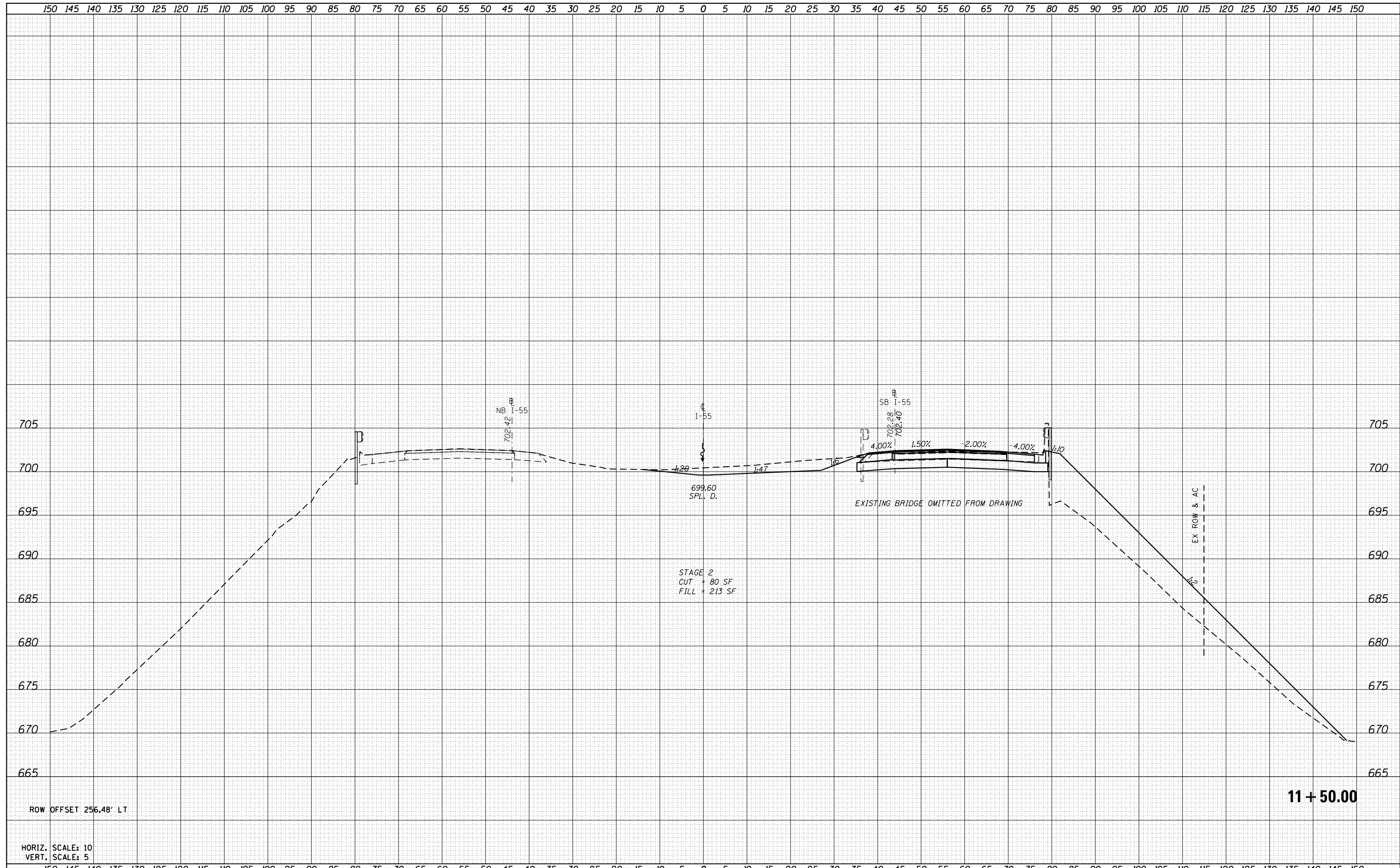


11 + 00.00

FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAI-55 CROSS SECTIONS			F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D672031-sht-xsc55.dgn		DRAWN -	REVISED -		55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	279			
Default		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. 11+00.00 TO STA. 11+00.00			CONTRACT NO. 72031				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

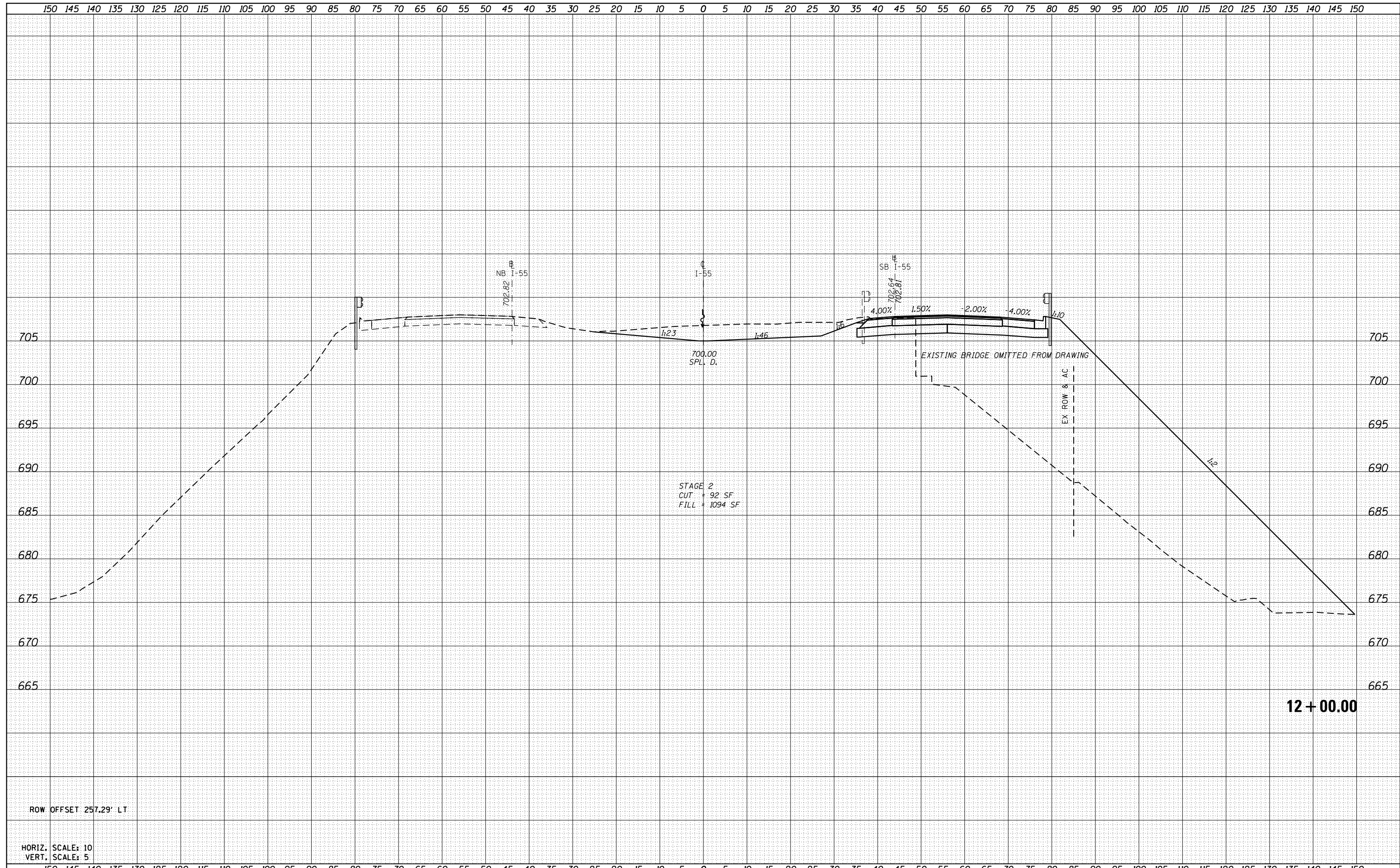
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAI-55 CROSS SECTIONS			F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D672031-sht-xsc55.dgn		DRAWN -	REVISED -					55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	280
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. 11+50.00 TO STA. 11+50.00			CONTRACT NO. 72031				
	PLOT DATE = 2/25/2020 - 3:45:32 PM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



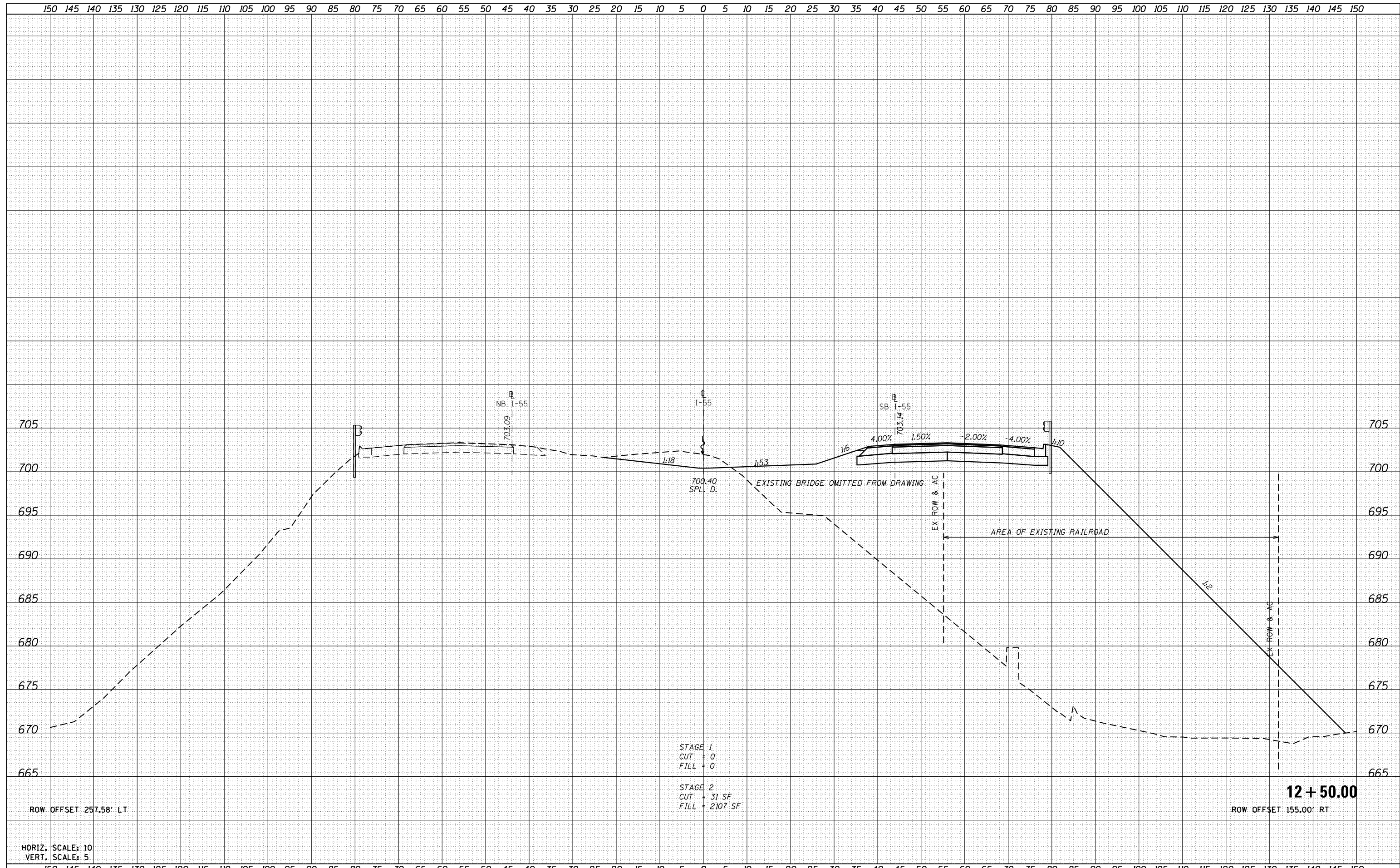
ROW OFFSET 257.29' LT

HORIZ. SCALE: 10
VERT. SCALE: 5

FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAI-55 CROSS SECTIONS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
D672031-sht-xsc55.dgn		DRAWN -	REVISED -			55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	281	
Default		CHECKED -	REVISED -			CONTRACT NO. 72031					
		DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA. 12+00.00	TO STA. 12+00.00

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

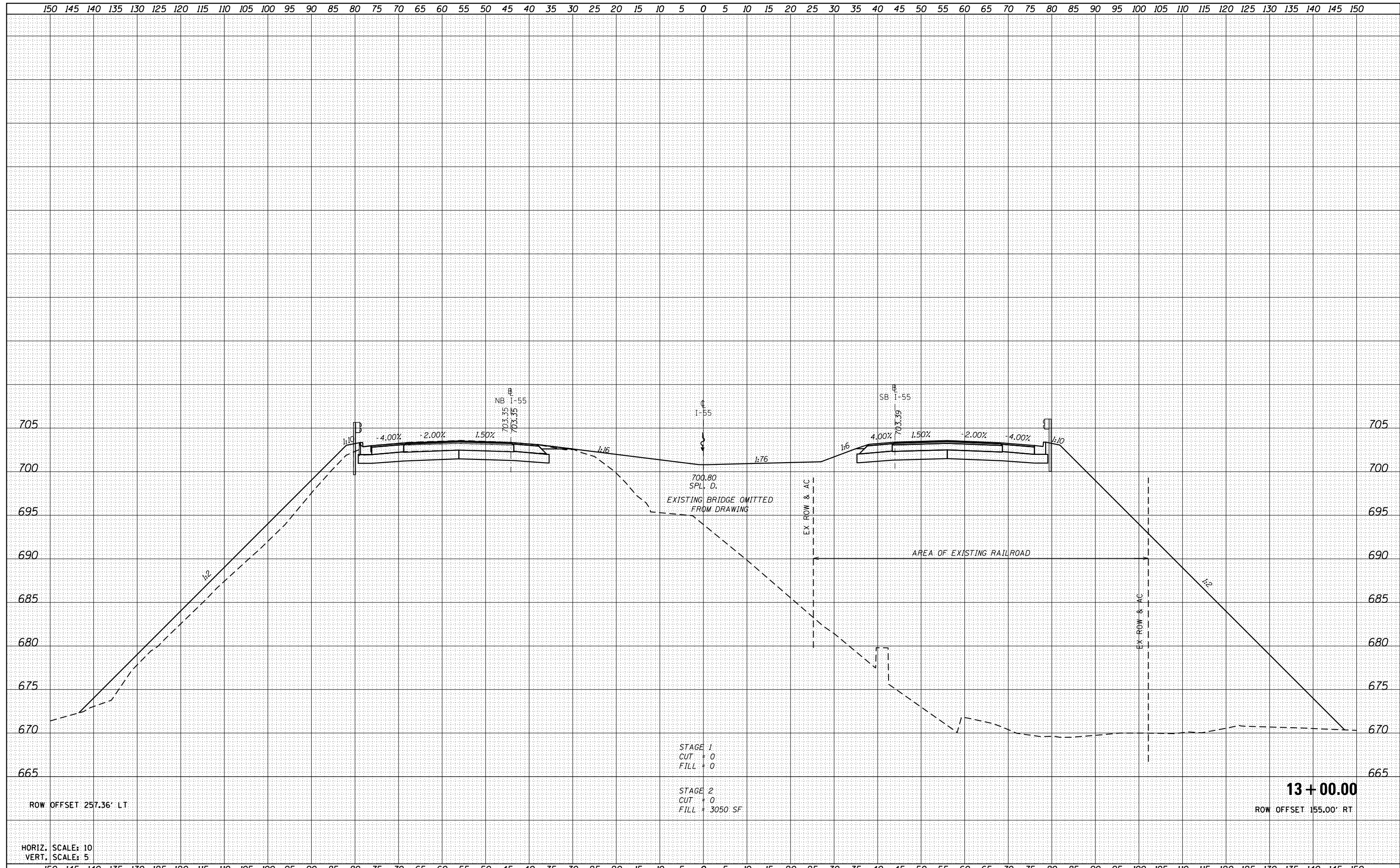
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAI-55 CROSS SECTIONS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D672031-sht-xsc55.dgn		DRAWN -	REVISED -		55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	282				
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. 12+50.00 TO STA. 12+50.00				CONTRACT NO. 72031				
	PLOT DATE = 2/25/2020 - 3:45:32 PM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



STAGE 1
 CUT = 0
 FILL = 0

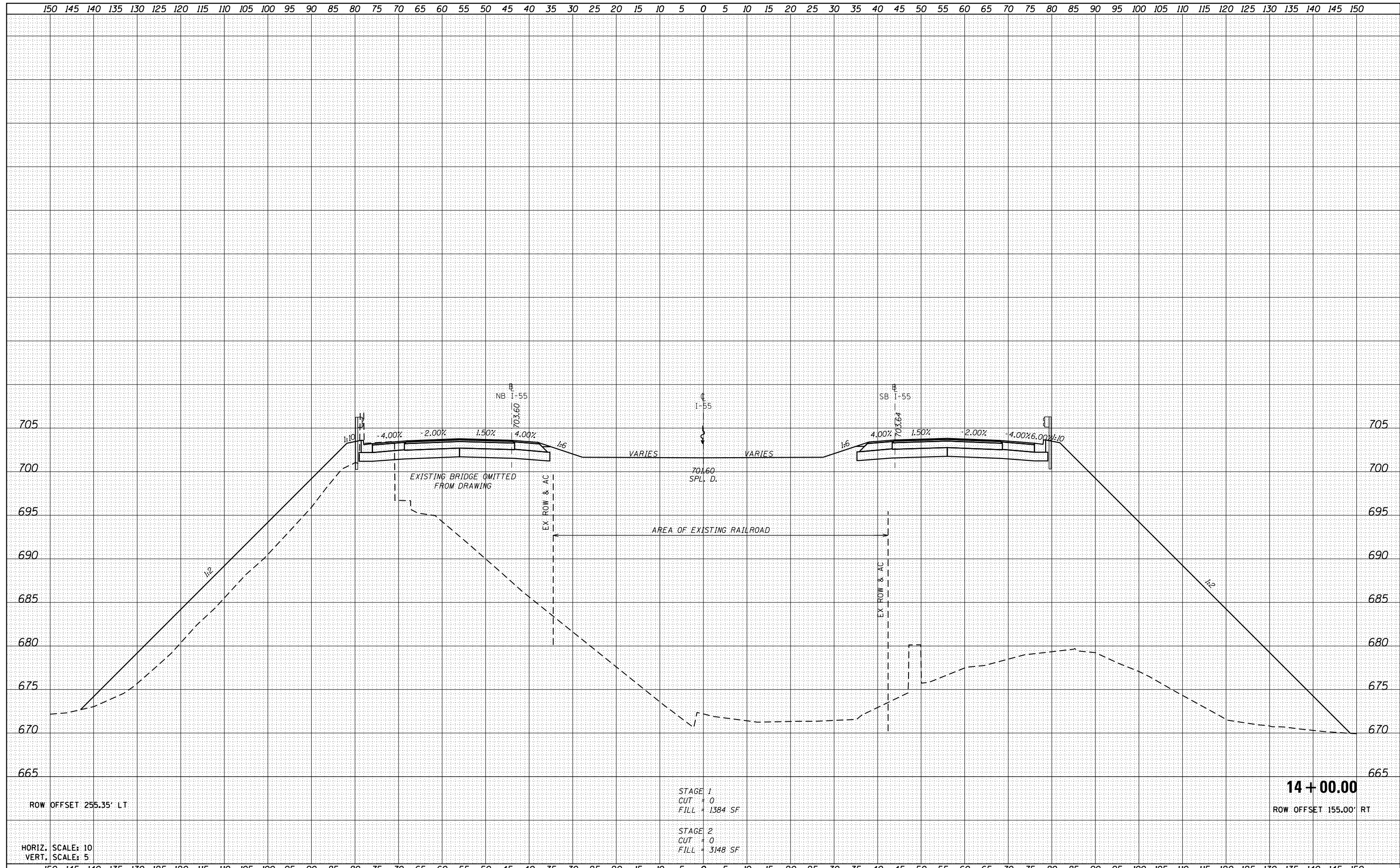
STAGE 2
 CUT = 0
 FILL = 3050 SF

HORIZ. SCALE: 10
 VERT. SCALE: 5

FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAI-55 CROSS SECTIONS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D672031-sht-xsc55.dgn		DRAWN -	REVISED -		55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	283			
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. 13+00.00 TO STA. 13+00.00			CONTRACT NO. 72031				
	PLOT DATE = 2/25/2020 - 3:45:33 PM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK NO.	
AREAS CHECKED	



STAGE 1
 CUT = 0
 FILL = 1384 SF

STAGE 2
 CUT = 0
 FILL = 3148 SF

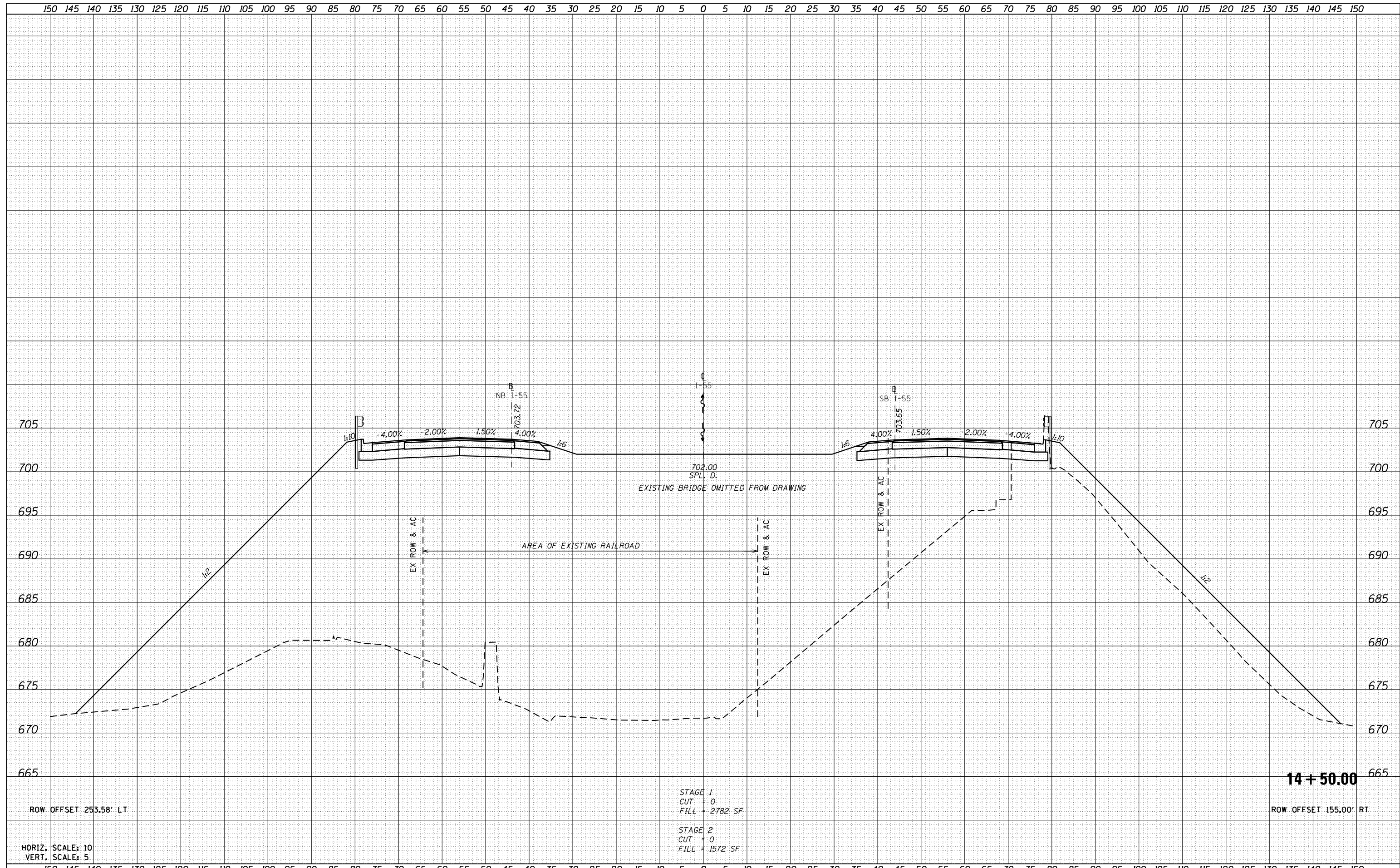
ROW OFFSET 255.35' LT

HORIZ. SCALE: 10
 VERT. SCALE: 5

14 + 00.00
 ROW OFFSET 155.00' RT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



ROW OFFSET 253.58' LT

14 + 50.00

ROW OFFSET 155.00' RT

HORIZ. SCALE: 10
VERT. SCALE: 5

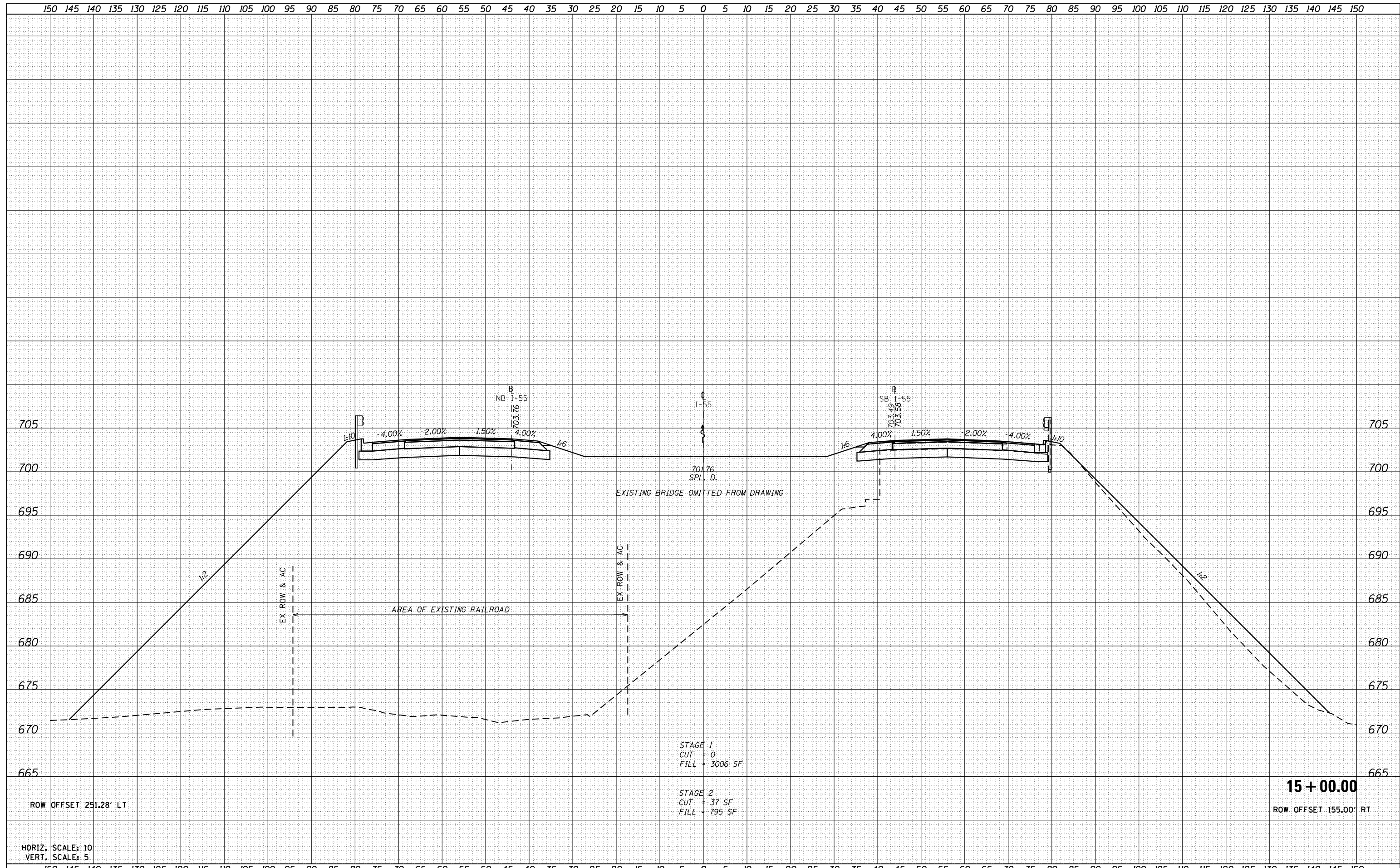
STAGE 1
CUT = 0
FILL = 2782 SF

STAGE 2
CUT = 0
FILL = 1572 SF

FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAI-55 CROSS SECTIONS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
D672031-sht-xsc55.dgn		DRAWN -	REVISED -			55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	286	
Default		CHECKED -	REVISED -			CONTRACT NO. 72031					
		DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA. 14+50.00	TO STA. 14+50.00

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

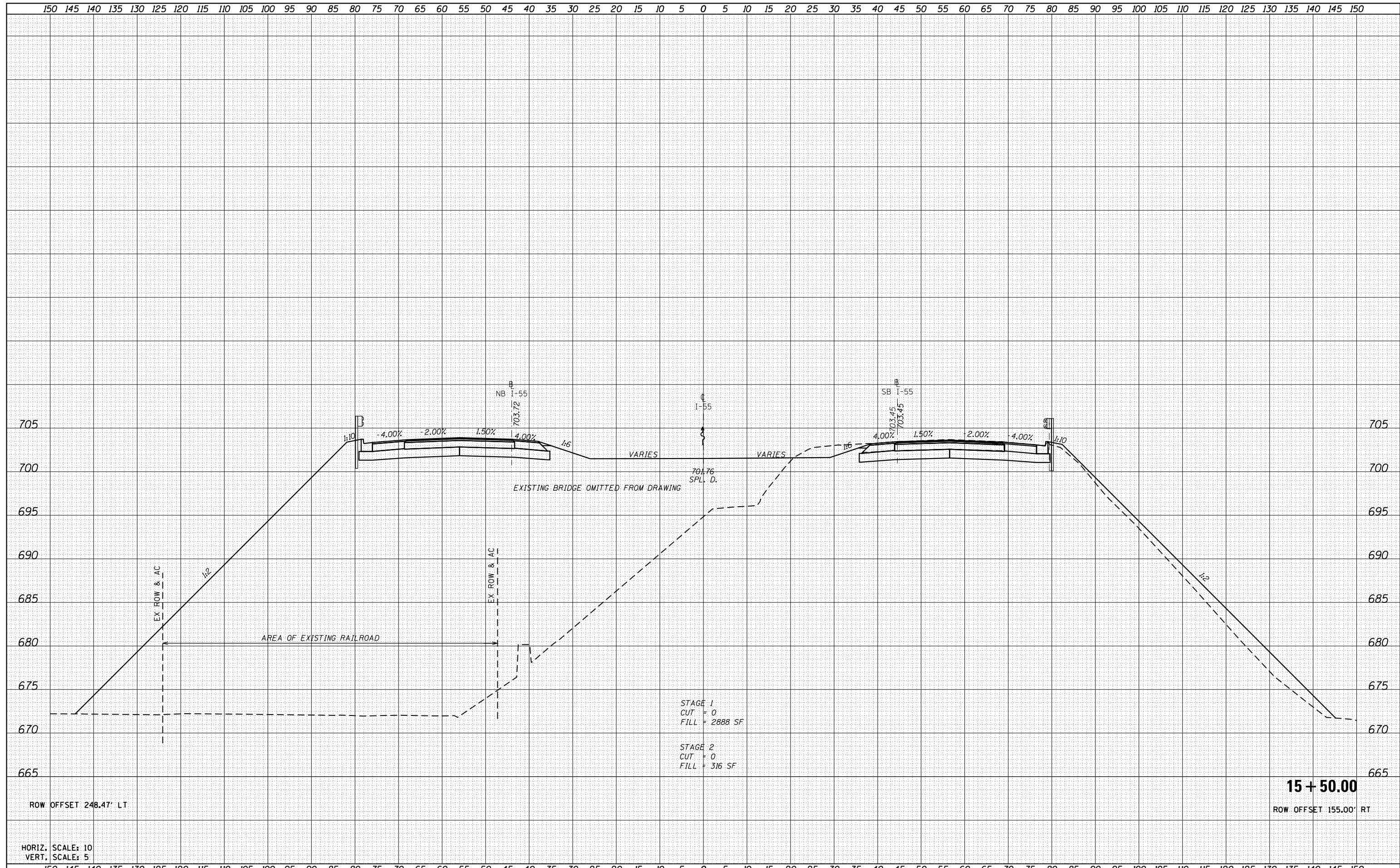
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAI-55 CROSS SECTIONS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D672031-sht-xsc55.dgn		DRAWN -	REVISED -		55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	287			
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 72D31							
	PLOT DATE = 2/25/2020 - 3:45:34 PM	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 15+00.00	TO	STA. 15+00.00	ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL	
SURVEY	
NOTE BOOK	
NO.	

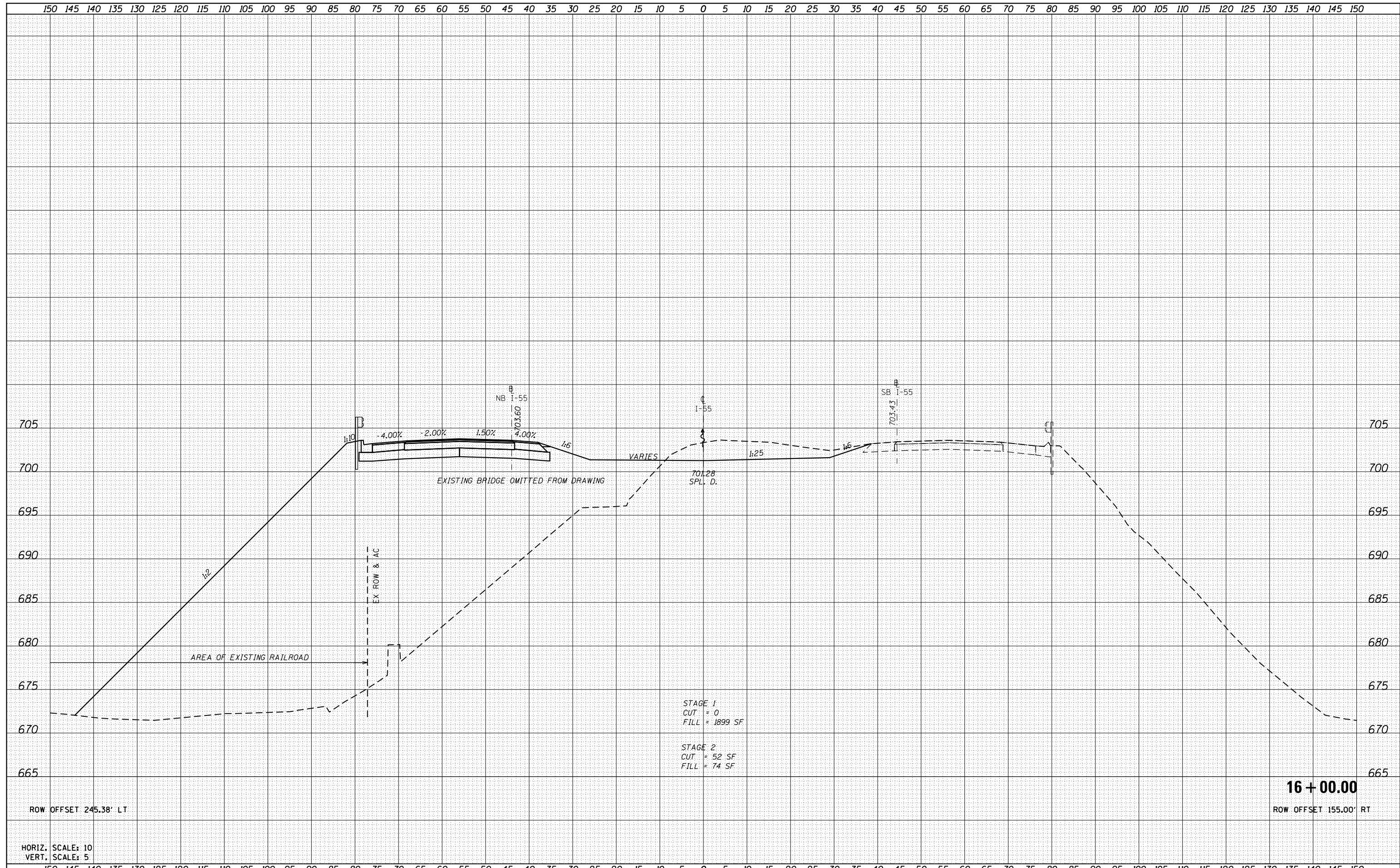
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL	
SURVEY	
NOTE BOOK	
NO.	



FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAI-55 CROSS SECTIONS	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
D672031-sht-xsc55.dgn	PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -			55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	288	
Default	PLOT DATE = 2/25/2020 - 3:45:34 PM	CHECKED -	REVISED -			CONTRACT NO. 72031					
		DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA. 15+50.00	TO STA. 15+50.00

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



STAGE 1
 CUT = 0
 FILL = 1899 SF

STAGE 2
 CUT = 52 SF
 FILL = 74 SF

HORIZ. SCALE: 10
 VERT. SCALE: 5

FILE NAME =
 D672031-sht-xsc55.dgn

USER NAME = cwalker	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/25/2020 - 3:45:34 PM	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAI-55
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 16+00.00 TO STA. 16+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	289
CONTRACT NO. 72D31			ILLINOIS FED. AID PROJECT	

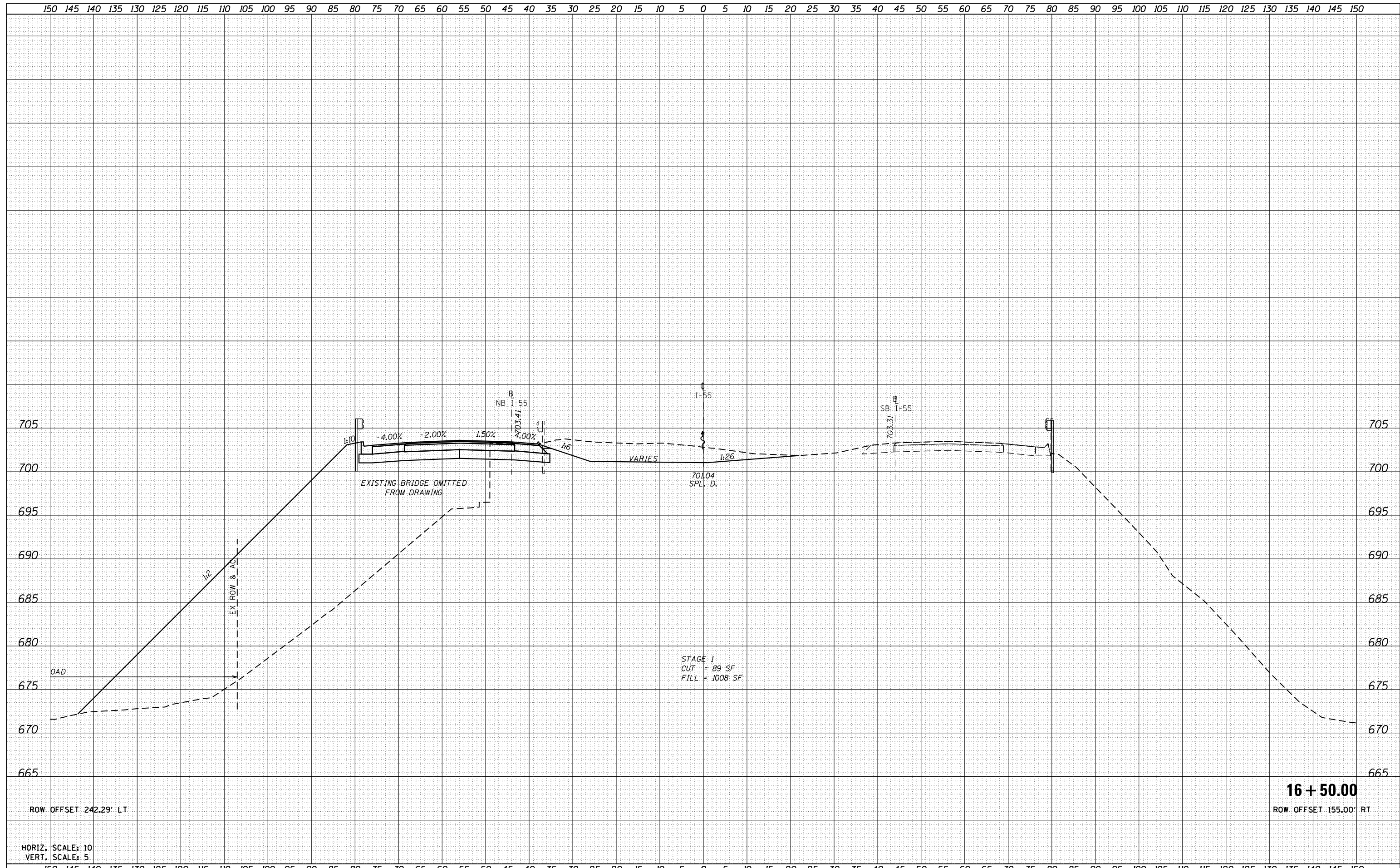
16 + 00.00

ROW OFFSET 155.00' RT

ROW OFFSET 245.38' LT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

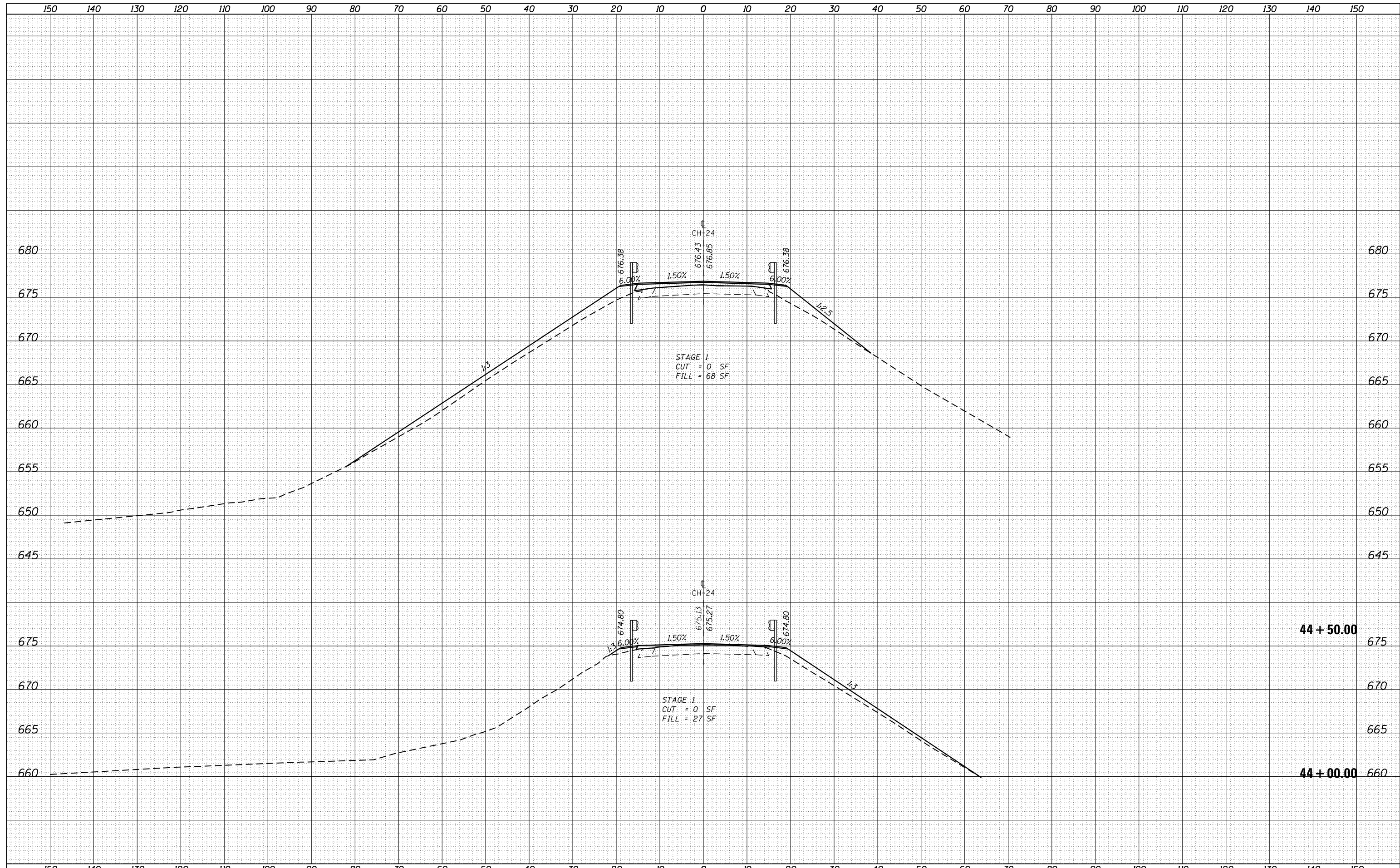
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BY	
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TEMPLATE	
AREAS	
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NO.	



FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAI-55 CROSS SECTIONS	SCALE:	SHEET	OF	SHEETS	STA. 16+50.00	TO STA. 16+50.00	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D672031-sht-xsc55.dgn		DRAWN -	REVISED -			55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	290						
Default		CHECKED -	REVISED -			CONTRACT NO. 72D31		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -													

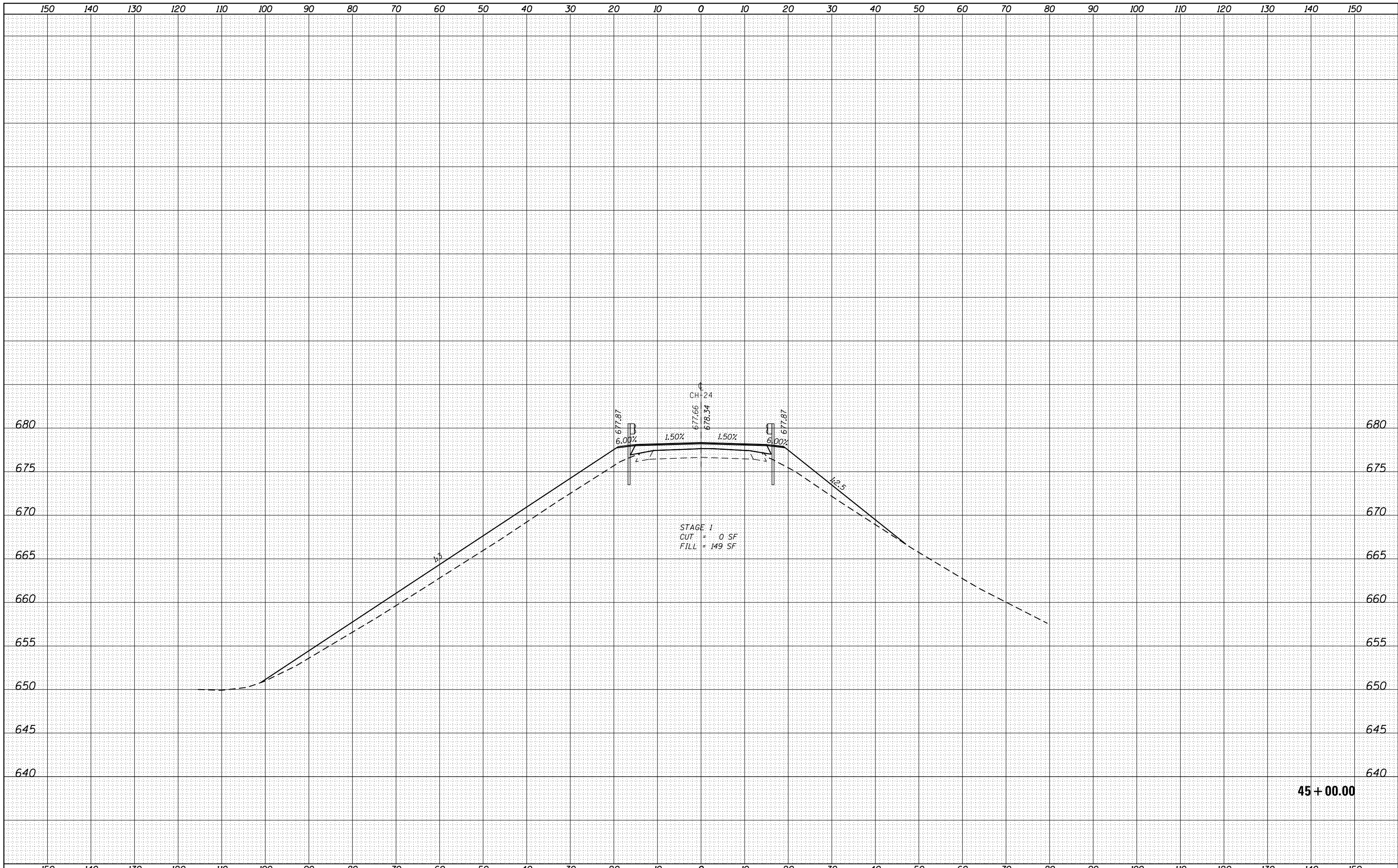
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME = D672031-sht-xsc24.dgn
 Default

USER NAME = cwalker	DESIGNED -	REVISÉD -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISÉD -
PLOT DATE = 2/25/2020 - 3:45:56 PM	CHECKED -	REVISÉD -
	DATE -	REVISÉD -

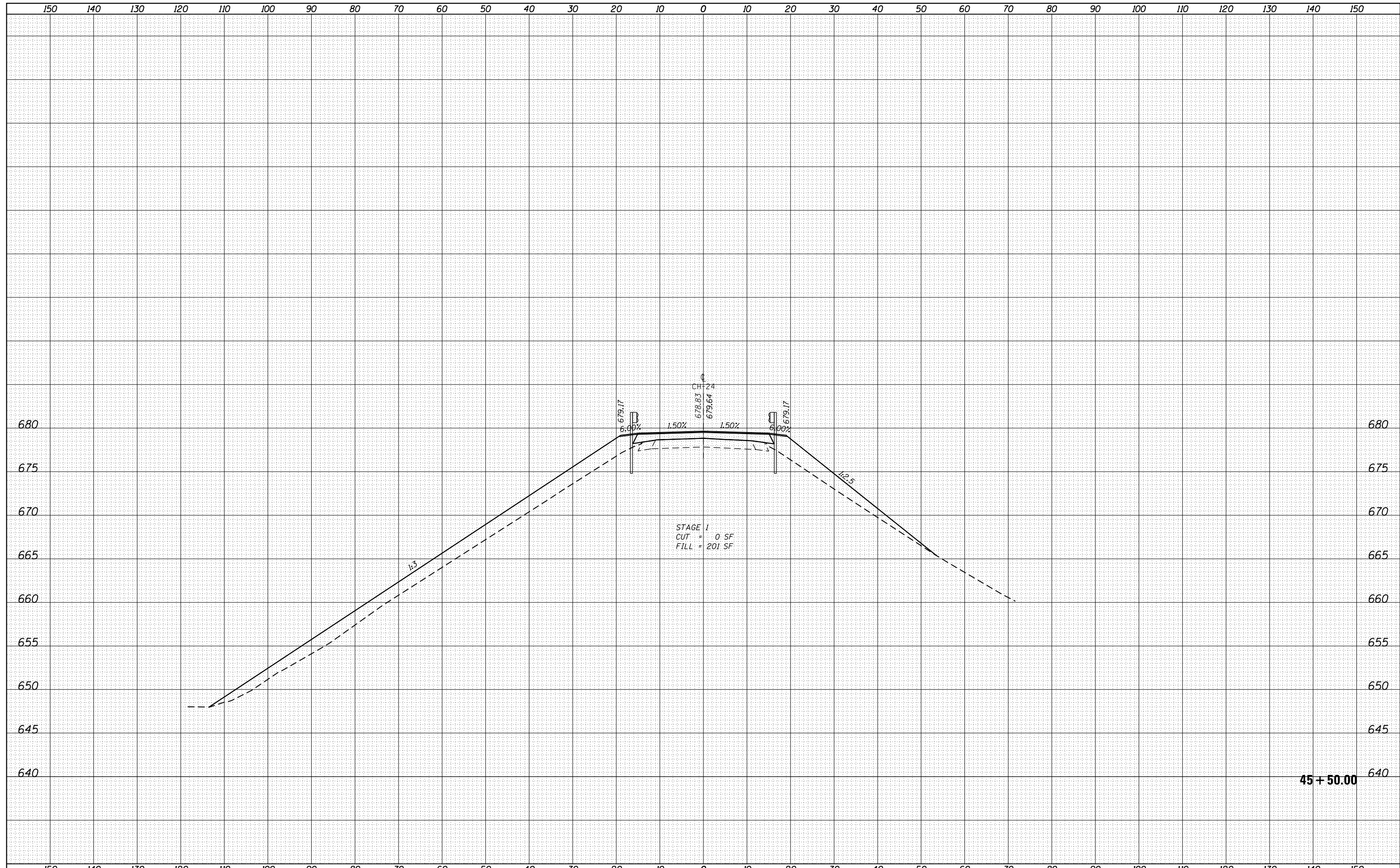
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CH 24
 CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 45+00.00 TO STA. 45+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	294
CONTRACT NO. 72031			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



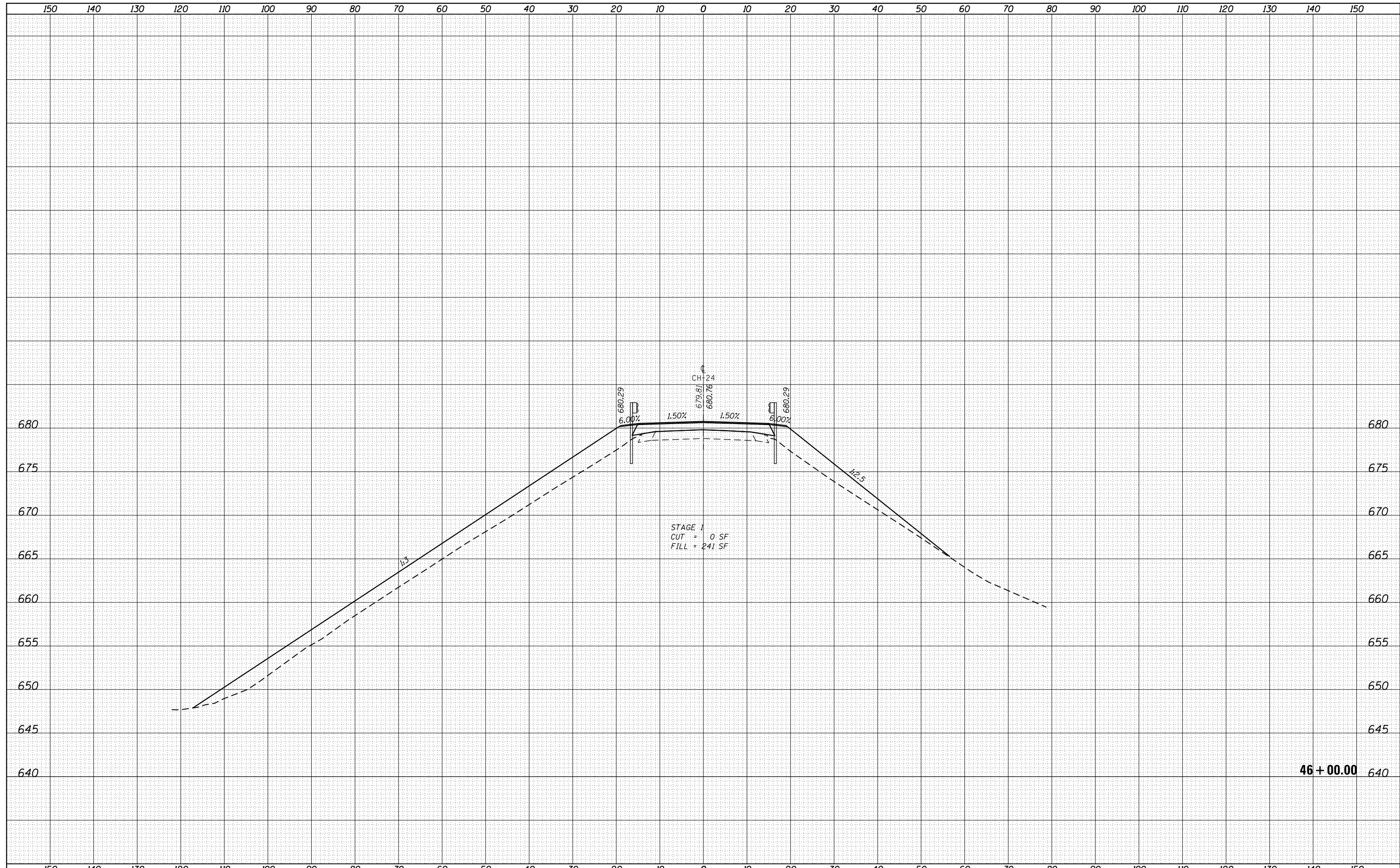
STAGE 1
 CUT = 0 SF
 FILL = 201 SF

45 + 50.00

FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CH 24 CROSS SECTIONS			F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D672031-sht-xsc24.dgn		DRAWN -	REVISED -		55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	295			
Default		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. 45+50.00 TO STA. 45+50.00			CONTRACT NO. 72031				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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ORIGINAL SURVEY	
NOTE BOOK	
NO.	

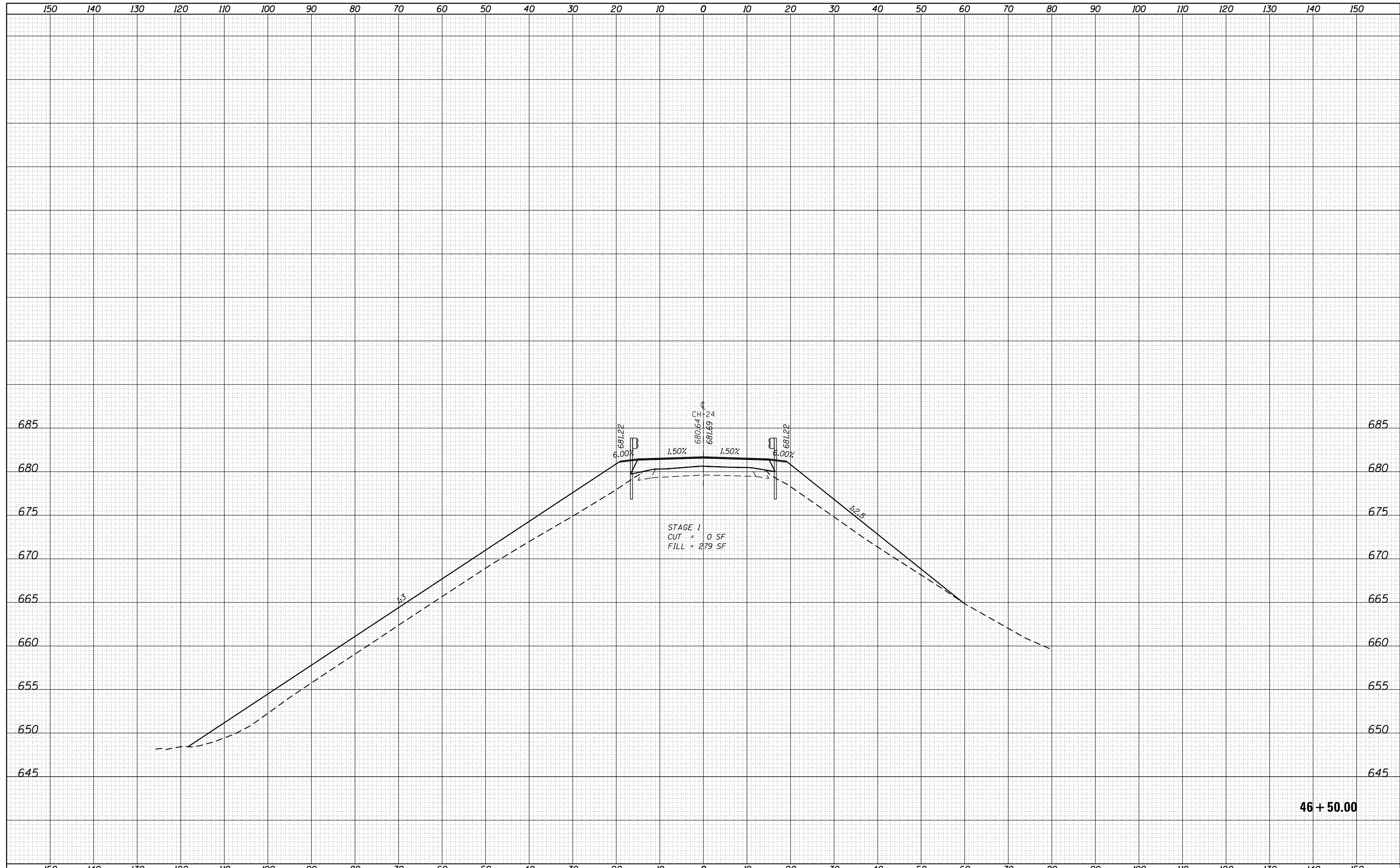


STAGE 1
 CUT = 0 SF
 FILL = 241 SF

FILE NAME = D672031-sht-xsc24.dgn	USER NAME = cwalker	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CH 24 CROSS SECTIONS			F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 20.0000' / in.	DRAWN -	REVISIED -		55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	296			
	PLOT DATE = 2/25/2020 - 3:45:56 PM	CHECKED -	REVISIED -		SCALE: SHEET OF SHEETS STA. 46+00.00 TO STA. 46+00.00			CONTRACT NO. 72031				
		DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

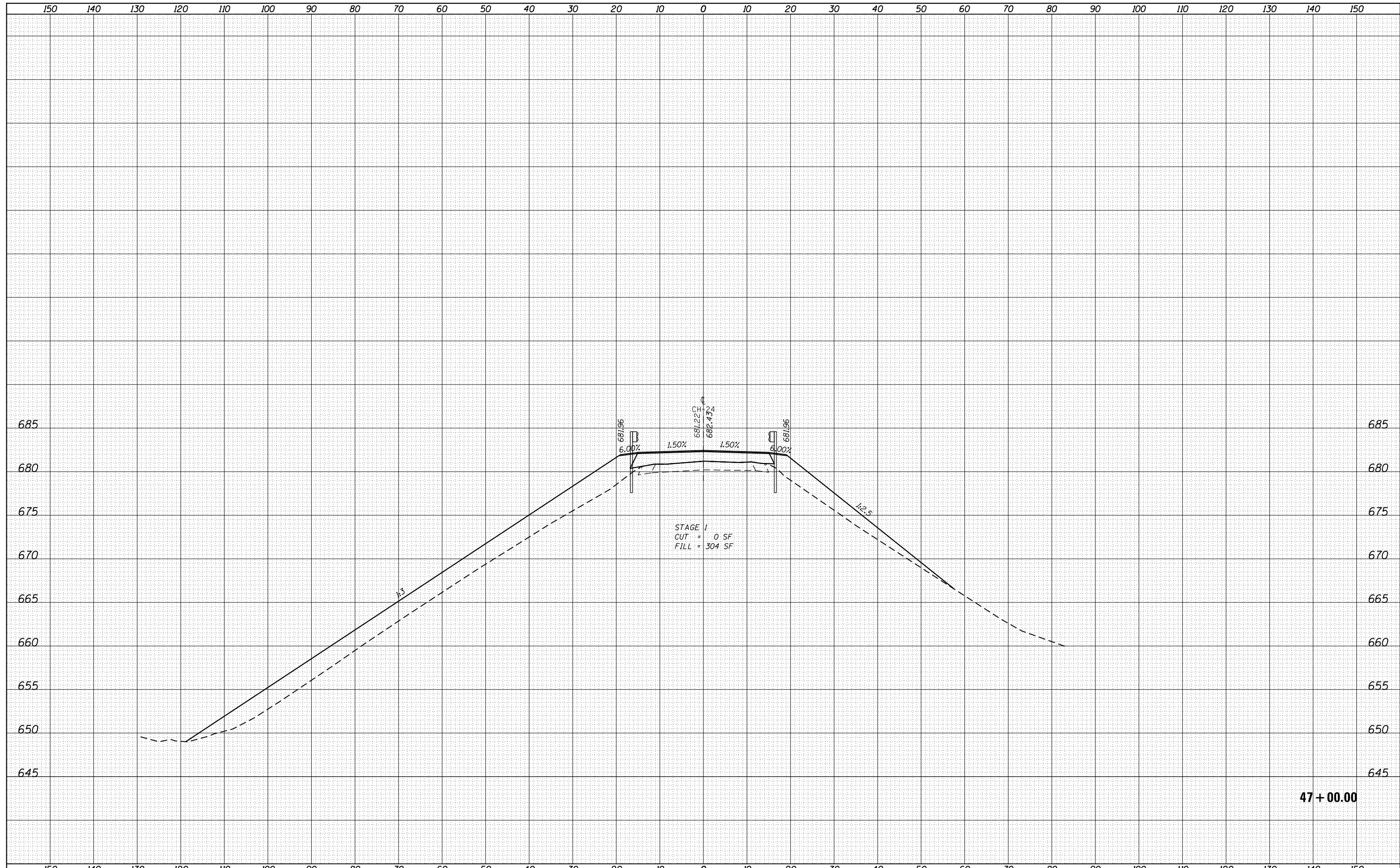


46 + 50.00

FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CH 24 CROSS SECTIONS			F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D672031-sht-xsc24.dgn		DRAWN -	REVISED -		55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	297			
Default		CHECKED -	REVISED -		CONTRACT NO. 72031							
	PLOT DATE = 2/25/2020 - 3:45:56 PM	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 46+50.00	TO	STA. 46+50.00	ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

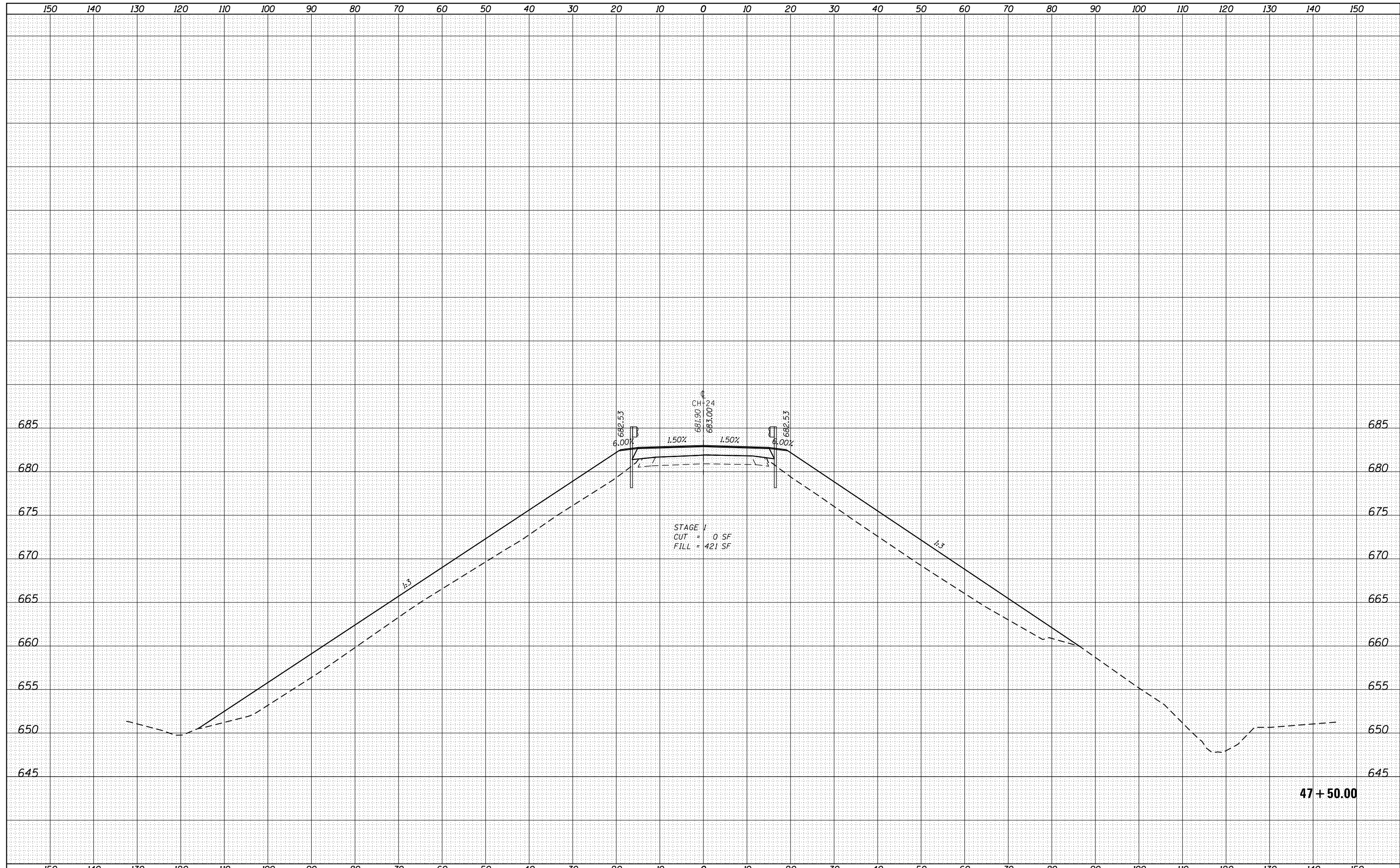


47 + 00.00

FILE NAME = D672031-sht-xsc24.dgn	USER NAME = cwalker	DESIGNED - DRAWN -	REVISÉD - REVISÉD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CH 24 CROSS SECTIONS		F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
Default	PLOT SCALE = 20.0000' / in.	CHECKED - DATE -	REVISÉD - REVISÉD -		SCALE:	SHEET	OF	SHEETS	STA. 47+00.00	TO STA. 47+00.00	55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	298
	PLOT DATE = 2/25/2020 - 3:45:57 PM												CONTRACT NO. 72031		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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TEMPLATE	
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CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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FILE NAME = D672031-sht-xsc24.dgn

USER NAME = cwalker
 DESIGNED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

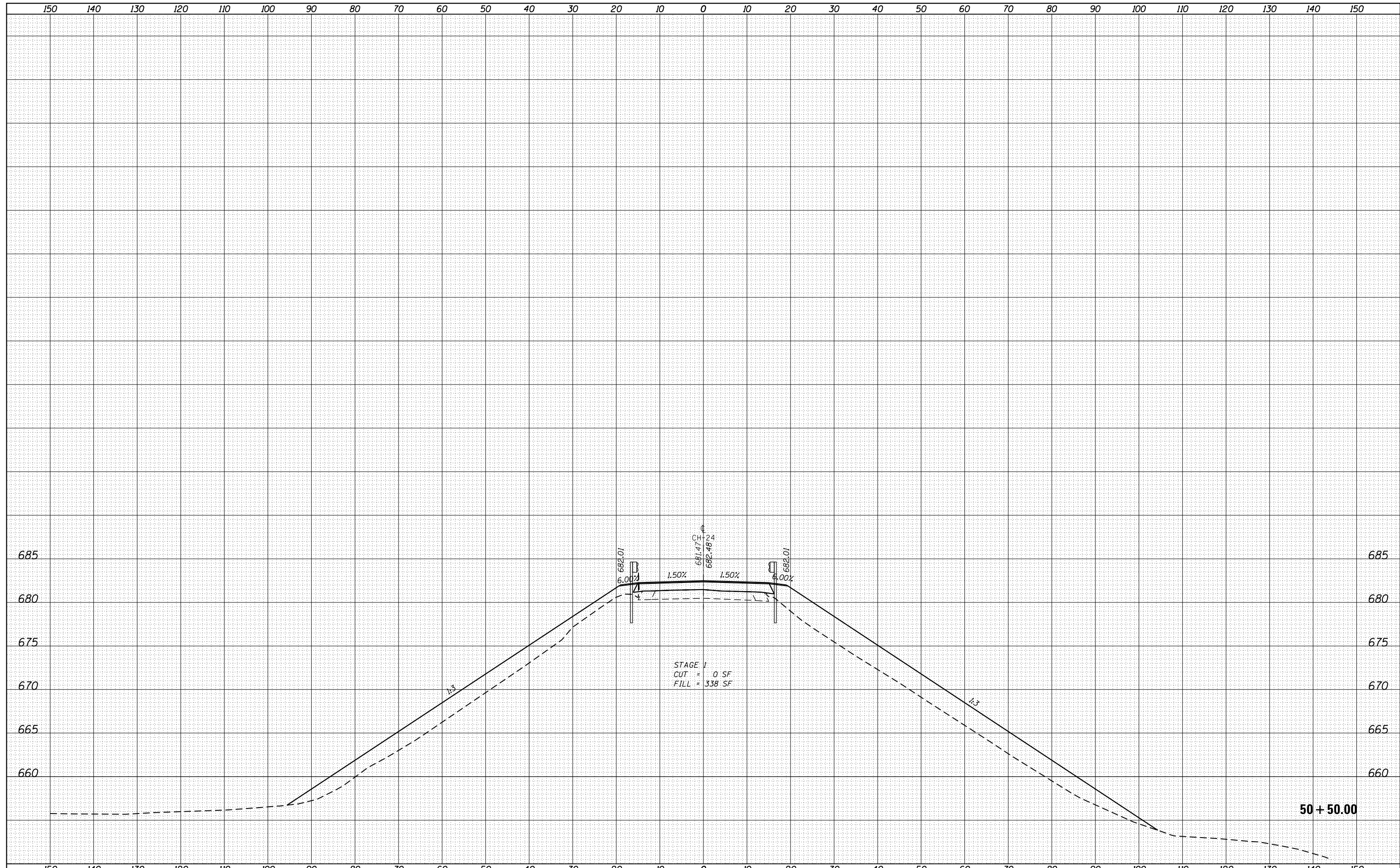
**CH 24
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 47+50.00 TO STA. 48+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	299
CONTRACT NO. 72031				
ILLINOIS FED. AID PROJECT				

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TEMPLATE	
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FINAL SURVEY	
NOTE BOOK	
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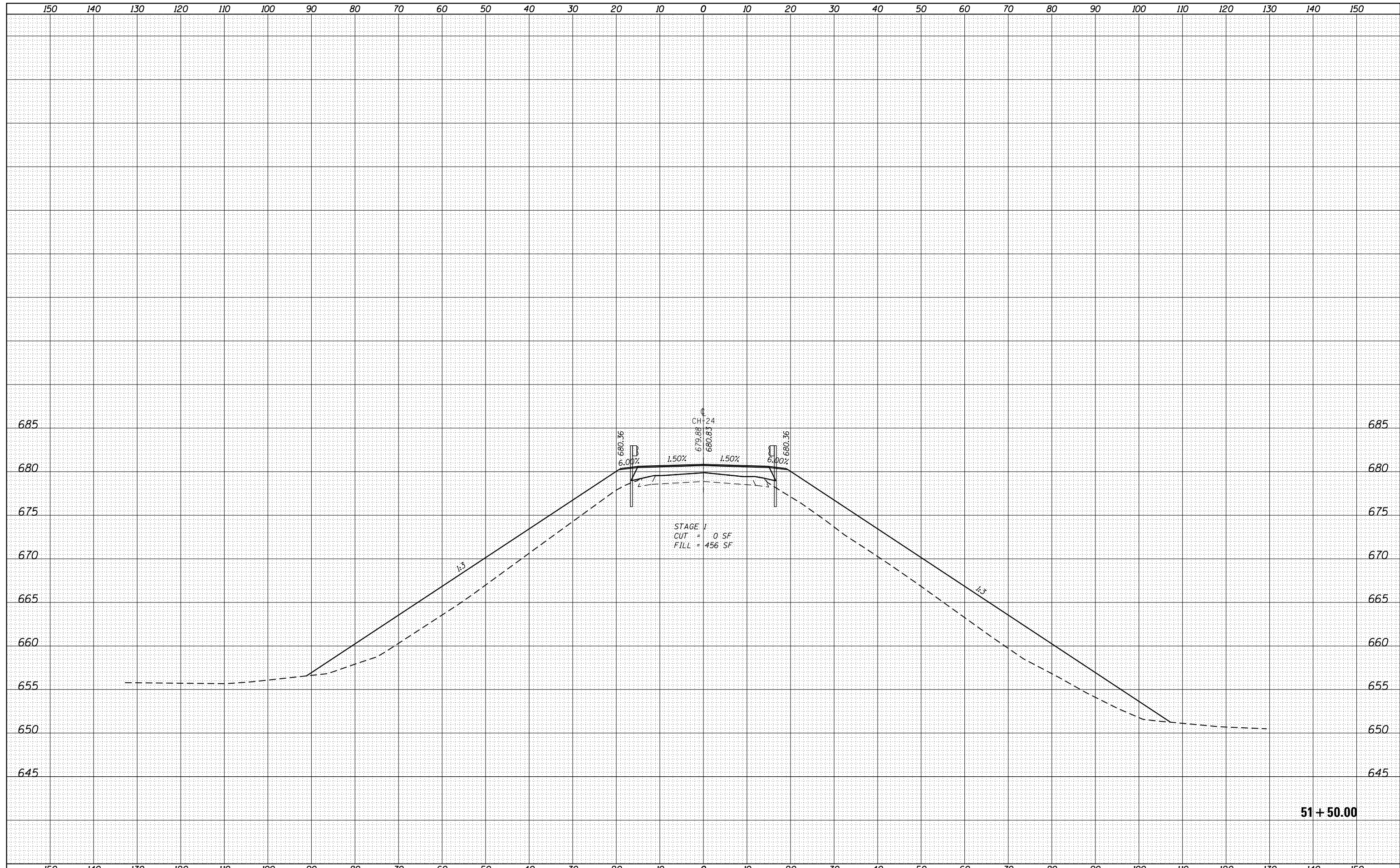
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BY	
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PLOTTED	
TEMPLATE	
AREAS	
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ORIGINAL SURVEY	
NOTE BOOK	
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FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CH 24 CROSS SECTIONS			F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D672031-sht-xsc24.dgn		DRAWN -	REVISIED -		55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	300			
Default		CHECKED -	REVISIED -		CONTRACT NO. 72031							
	PLOT DATE = 2/25/2020 - 3:45:57 PM	DATE -	REVISIED -		SCALE:	SHEET	OF	SHEETS	STA. 50+50.00	TO STA. 50+50.00	ILLINOIS FED. AID PROJECT	

DATE	
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PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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DATE	
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PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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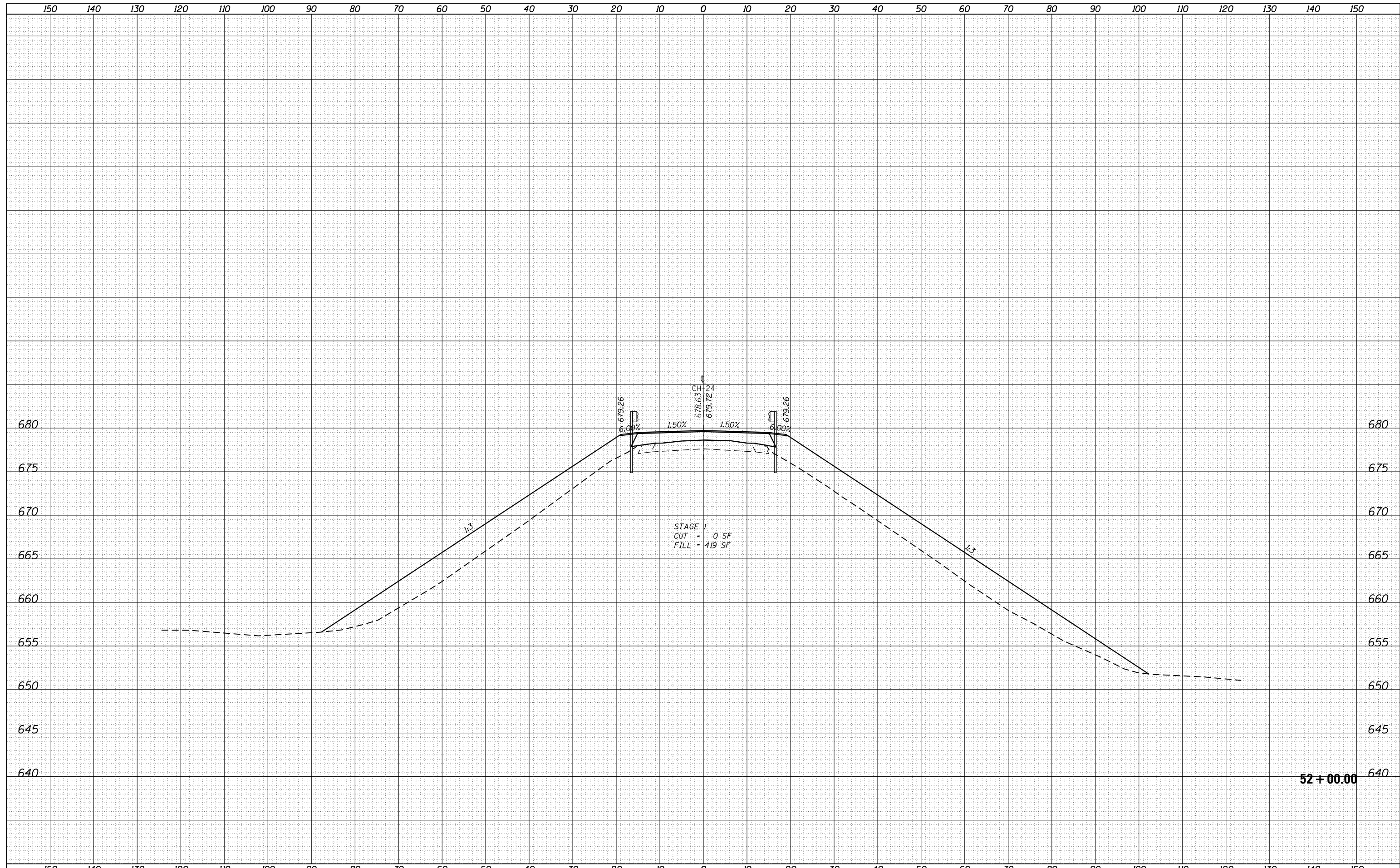


51 + 50.00

FILE NAME = D672031-sht-xsc24.dgn	USER NAME = cwalker	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CH 24 CROSS SECTIONS	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 20.0000' / in.	DRAWN -	REVISIED -			55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	302
	PLOT DATE = 2/25/2020 - 3:45:58 PM	CHECKED -	REVISIED -			CONTRACT NO. 72031		ILLINOIS FED. AID PROJECT		
		DATE -	REVISIED -	SCALE: SHEET OF SHEETS STA. 51+50.00 TO STA. 51+50.00						

DATE	
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FINAL SURVEY	
NOTE BOOK	
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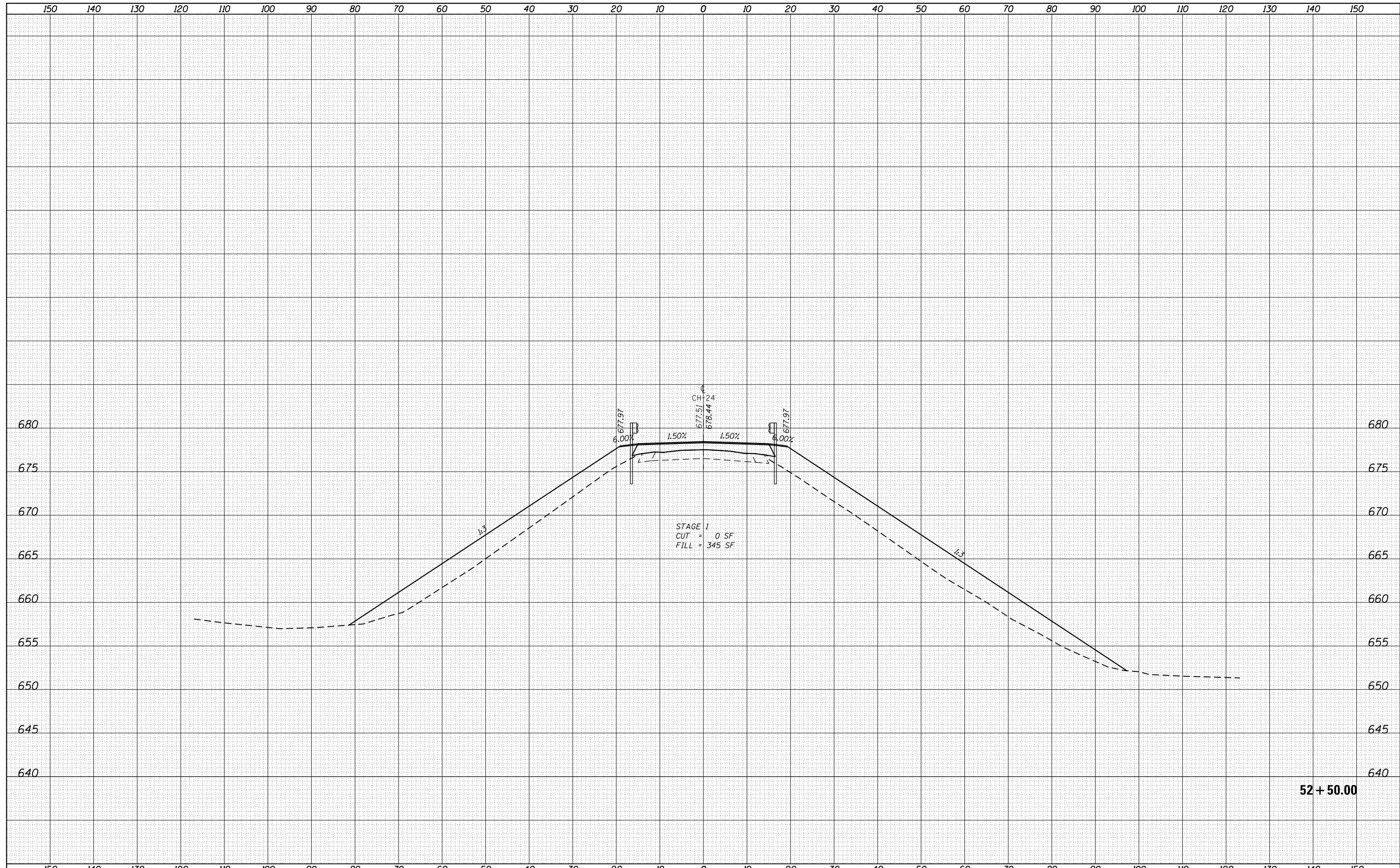
DATE	
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TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CH 24 CROSS SECTIONS			F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D672031-sht-xsc24.dgn		DRAWN -	REVISED -		55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	303			
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. 52+00.00 TO STA. 52+00.00			CONTRACT NO. 72031				
	PLOT DATE = 2/25/2020 - 3:45:58 PM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

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FINAL SURVEY	
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ORIGINAL SURVEY	
NOTE BOOK	
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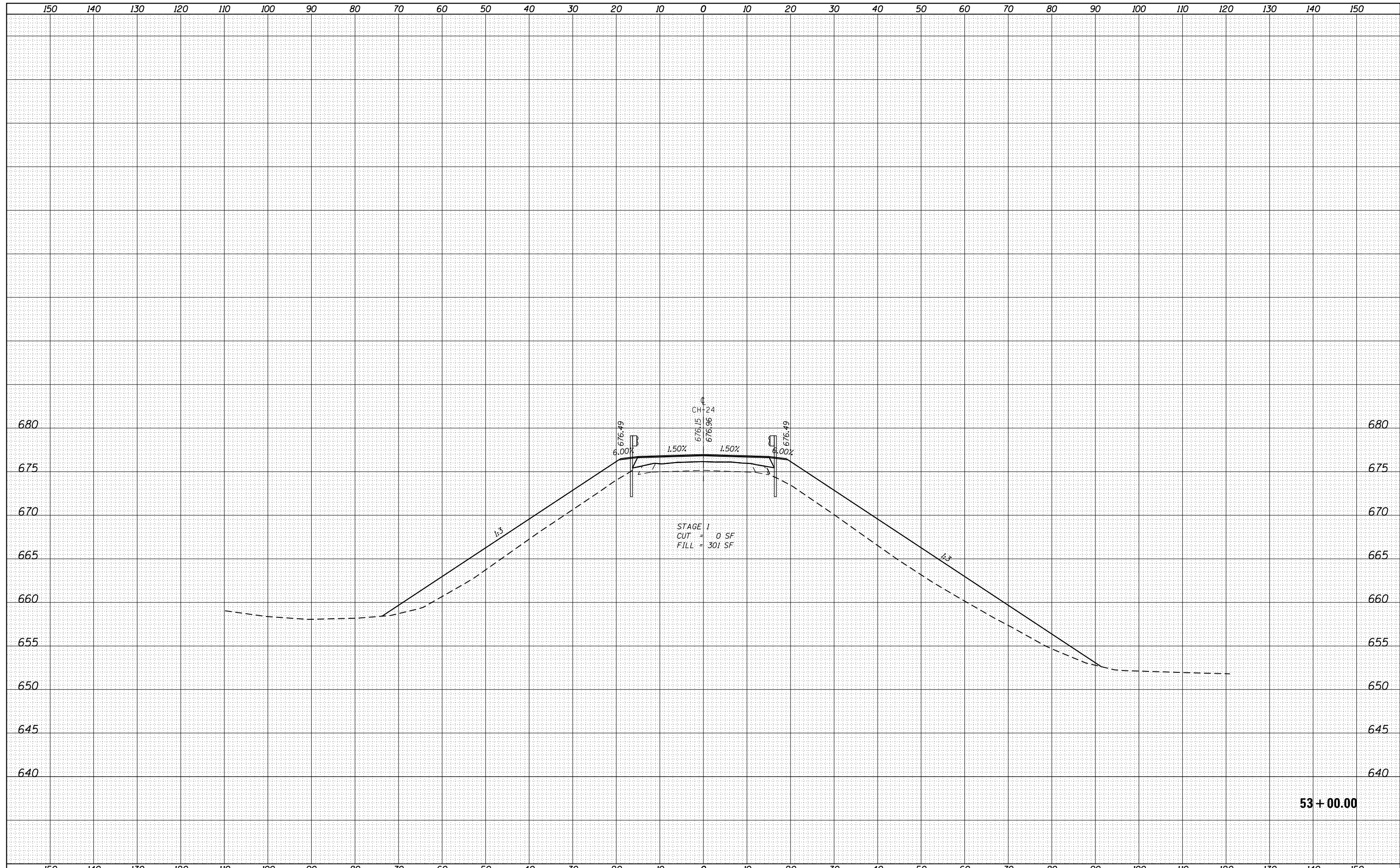


52 + 50.00

FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CH 24 CROSS SECTIONS			F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D672031-sht-xsc24.dgn		DRAWN -	REVISIED -		55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	304			
Default		CHECKED -	REVISIED -		SCALE: SHEET OF SHEETS STA. 52+50.00 TO STA. 52+50.00			CONTRACT NO. 72031				
		DATE -	REVISIED -					ILLINOIS FED. AID PROJECT				

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AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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ORIGINAL SURVEY	
NOTE BOOK	
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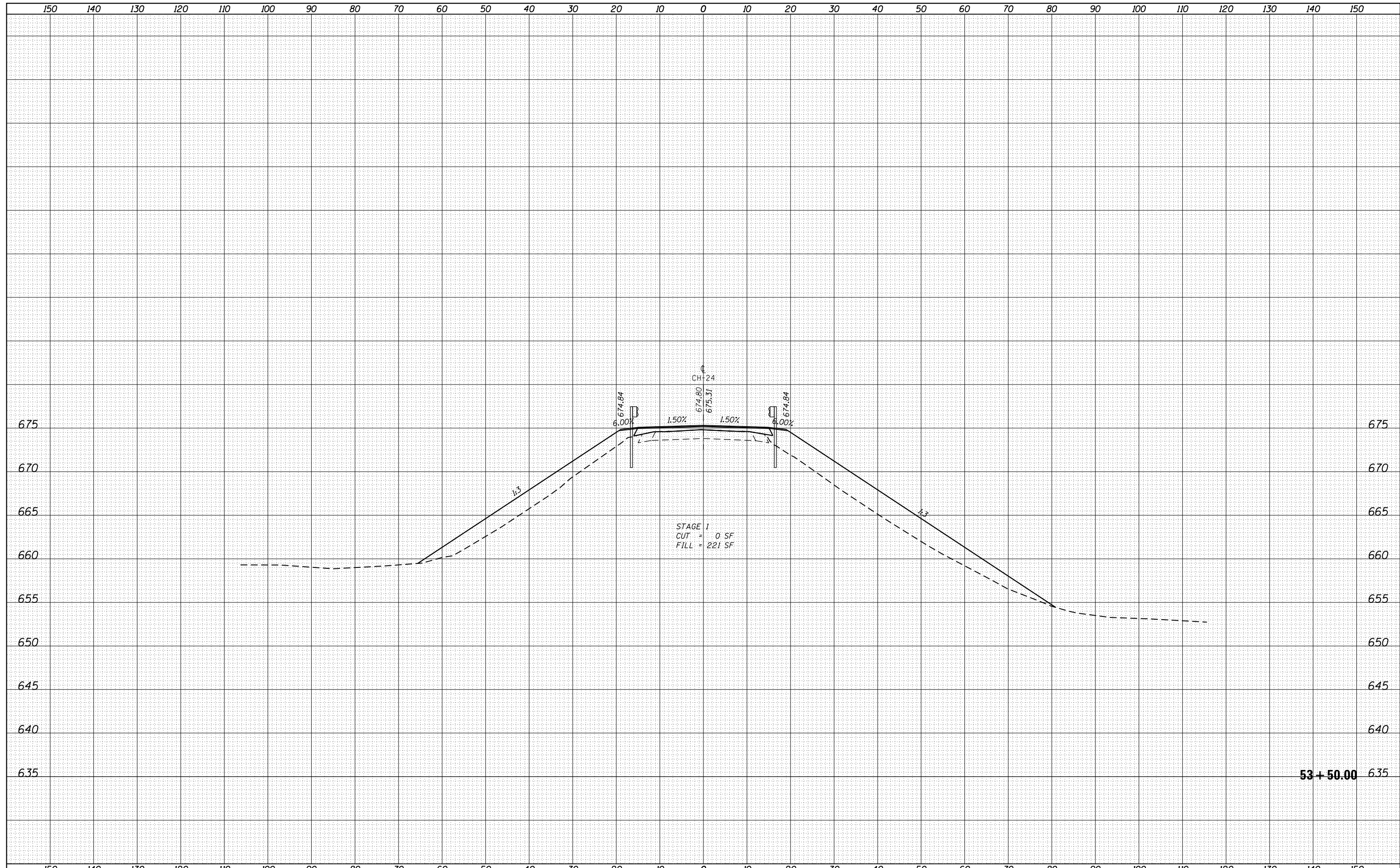


53 + 00.00

FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CH 24 CROSS SECTIONS			F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D672031-sht-xsc24.dgn		DRAWN -	REVISED -		55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	305			
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. 53+00.00 TO STA. 53+00.00			CONTRACT NO. 72031				
	PLOT DATE = 2/25/2020 - 3:45:58 PM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

DATE	
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FINAL SURVEY	
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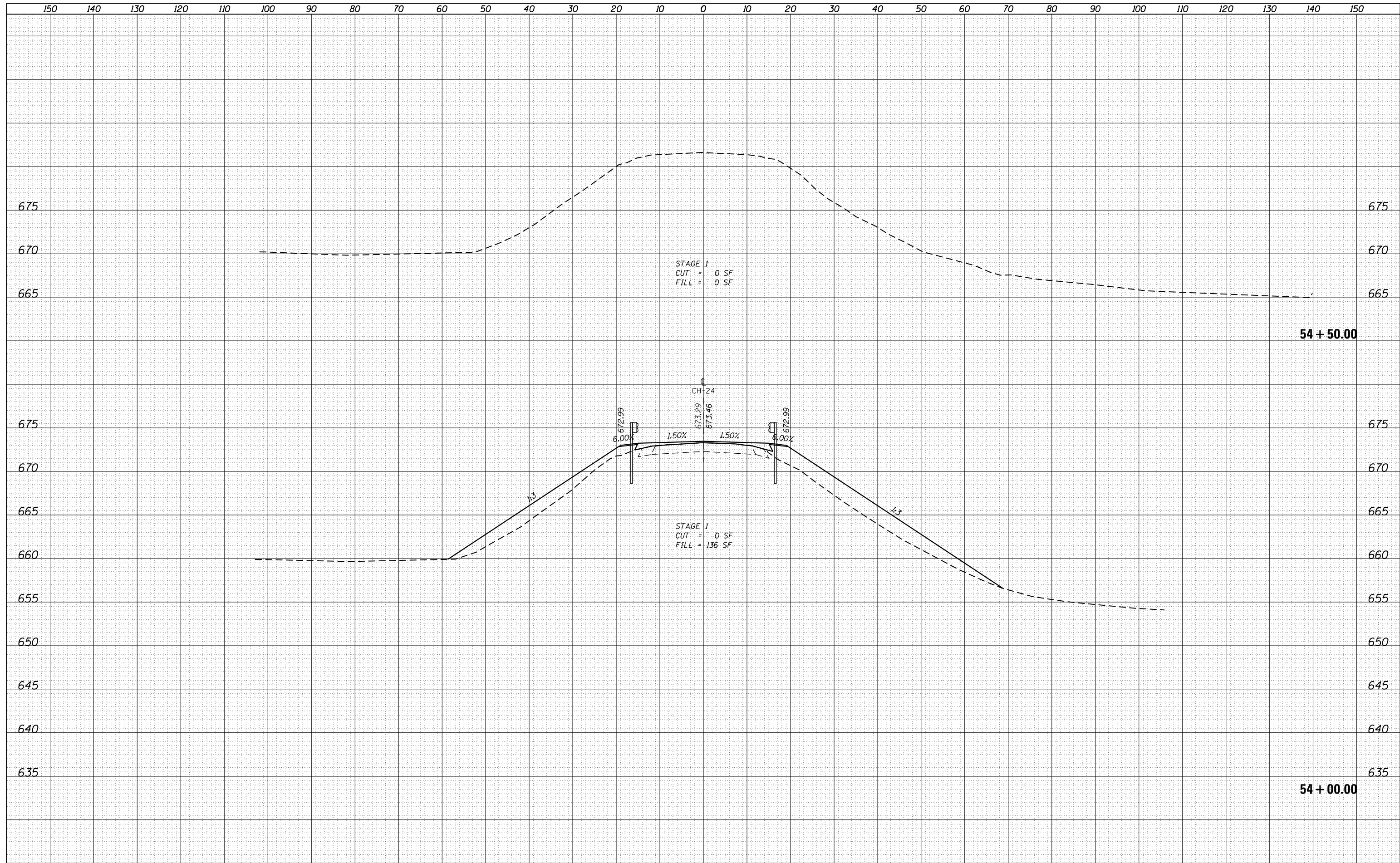


53 + 50.00

FILE NAME =	USER NAME = cwalker	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CH 24 CROSS SECTIONS			F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D672031-sht-xsc24.dgn		DRAWN -	REVISIED -		55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	306			
Default		CHECKED -	REVISIED -		CONTRACT NO. 72031							
	PLOT DATE = 2/25/2020 - 3:45:59 PM	DATE -	REVISIED -		SCALE:	SHEET	OF	SHEETS	STA. 53+50.00	TO STA. 53+50.00	ILLINOIS FED. AID PROJECT	

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



FILE NAME =
D672031-sht-xsc24.dgn

USER NAME = cwalker
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CH 24
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 54+00.00 TO STA. 54+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(68-1,3 RS-3,68-2 RS-5)BR	MONTGOMERY	307	307
CONTRACT NO. 72031				
ILLINOIS FED. AID PROJECT				