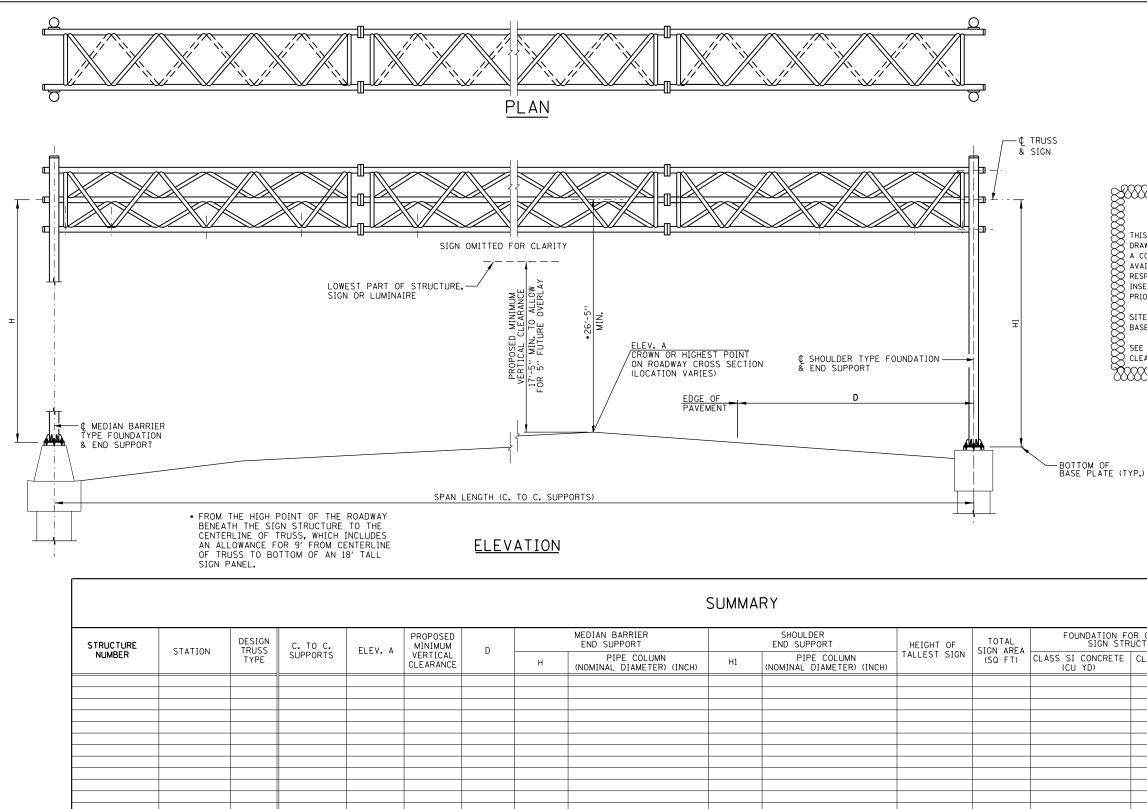
	Drawings
Drawing	Modification Summary Effective: 03-01-2020
	Overhead Sign (OHS)-Series 720
M-OHS-720	OVERHEAD SIGN STRUCTURE SPAN TYPE SUMMARY AND TOTAL BILL OF MATERIAL
	Removed "Basis of Payment". Removed extra listed payitems "OVERHEAD SIGN STRUCTURE, SPAN TYPE (ALUMINUM)"
M-OHS-721	OVERHEAD SIGN STRUCTURE CANTILEVER TYPE SUMMARY AND TOTAL BILL OF MATERIAL
	Removed "Basis of Payment". Removed extra listed payitems "OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE (STEEL)"
M-OHS-722	OVERHEAD SIGN STRUCTURE ENTRANCE MONOTUBE TYPE (STEEL) MAINLINE SUMMARY AND TOTAL BILL OF MATER
	Added and modified new handhole openings on each side of all splices along the horizontal beam. Removed "Basis of Payment".
	Removed extra listed payitems "OVERHEAD SIGN STRUCTURE, MAINLINE ENTRANCE MONOTUBE TYPE (STEEL)"
M-OHS-723	OVERHEAD SIGN STRUCTURE EXIT MONOTUBE TYPE (STEEL) MAINLINE SUMMARY AND TOTAL BILL OF MATERIAL
	Added and modified new handhole openings on each side of all splices along the horizontal beam. Removed "Basis of Payment".
	Removed extra listed payitems "OVERHEAD SIGN STRUCTURE, MAINLINE EXIT MONOTUBE TYPE (STEEL)"
M-OHS-724	OVERHEAD SIGN STRUCTURE BUTTERFLY TYPE (STEEL) SUMMARY AND TOTAL BILL OF MATERIAL
	Removed "Basis of Payment". Removed extra listed payitems "OVERHEAD SIGN STRUCTURE, BUTTERFLY TYPE (STEEL)"
M-OHS-725	OVERHEAD SIGN STRUCTURE ENTRANCE MONOTUBE TYPE (STEEL) AET RAMP SUMMARY AND TOTAL BILL OF MATEI
0110 720	Added and modified new handhole openings on each side of all splices along the horizontal beam. Removed "Basis of Payment".
M-OHS-726	OVERHEAD SIGN STRUCTURE EXIT MONOTUBE TYPE (STEEL) AET RAMP SUMMARY AND TOTAL BILL OF MATERIAL
	Added and modified new handhole openings on each side of all splices along the horizontal beam. Removed "Basis of Payment".
M-OHS-727	OVERHEAD SIGN STRUCTURE MONOTUBE TYPE (STEEL) CASH-IPO RAMP SUMMARY AND TOTAL BILL OF MATERIAL
	Added and modified new handhole openings on each side of all splices along the horizontal beam. Removed "Basis of Payment".
M 0110 700	
M-OHS-728	OVERHEAD SIGN STRUCTURE SPAN TYPE (STEEL) SUMMARY AND TOTAL BILL OF MATERIAL Removed "Basis of Payment". Added note to designer regarding payitem.
	Revised F15 reference in table to F17
M-OHS-729	OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) SINGLE-SPAN STRUCTURE DETAILS SHEET 1
	Revised Note to Designer to clarify when to use Shoulder Foundation Type I and II barrier. Removed "Basis of Payment".
	Added and modified new handhole openings on each side of all splices along the horizontal beam.
M-OHS-729	OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) SINGLE-SPAN STRUCTURE DETAILS SHEET 2
	Revised base plate size in plan to match Section B-B. Removed "Basis of Payment"
	Added heavy hex lock nut to the anchor. Removed "Base Plate Table - Type E"
M-OHS-729	OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) SINGLE-SPAN STRUCTURE DETAILS SHEET 3
WI-OH3-729	Added handhole on Detail A.
	Added callout for washers and nuts in the column base section.
	Revised note 3 for splice bolt and anchor bolt installation requirement.
	Added callout to the anchor hole to refer to note 3 in View F-F
M-OHS-729	OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) SINGLE-SPAN STRUCTURE DETAILS SHEET 5
0110-123	Added heavy hex locknut in the anchor bolt detail.
N 6116	
M-OHS-730	OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 1 Revised Note to Designer when to use Shoulder Foundation Type Land II barrier. Removed "Basis of Payment"
M-OHS-730	Revised Note to Designer when to use Shoulder Foundation Type I and II barrier. Removed "Basis of Payment".
M-OHS-730	
M-OHS-730 M-OHS-730	Revised Note to Designer when to use Shoulder Foundation Type I and II barrier. Removed "Basis of Payment".         Added and modified new handhole openings on each side of all splices along the horizontal beam. Revised Steel Tube Frame AST         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 2
	Revised Note to Designer when to use Shoulder Foundation Type I and II barrier. Removed "Basis of Payment".         Added and modified new handhole openings on each side of all splices along the horizontal beam. Revised Steel Tube Frame AST         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 2         Revised base plate size in plan to match Section B-B
	Revised Note to Designer when to use Shoulder Foundation Type I and II barrier. Removed "Basis of Payment".         Added and modified new handhole openings on each side of all splices along the horizontal beam. Revised Steel Tube Frame AST         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 2
	Revised Note to Designer when to use Shoulder Foundation Type I and II barrier. Removed "Basis of Payment".         Added and modified new handhole openings on each side of all splices along the horizontal beam. Revised Steel Tube Frame AST         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 2         Revised base plate size in plan to match Section B-B
M-OHS-730	Revised Note to Designer when to use Shoulder Foundation Type I and II barrier. Removed "Basis of Payment".         Added and modified new handhole openings on each side of all splices along the horizontal beam. Revised Steel Tube Frame AST         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 2         Revised base plate size in plan to match Section B-B         Added heavy hex lock nut to the anchor.
M-OHS-730	Revised Note to Designer when to use Shoulder Foundation Type I and II barrier. Removed "Basis of Payment".         Added and modified new handhole openings on each side of all splices along the horizontal beam. Revised Steel Tube Frame AST         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 2         Revised base plate size in plan to match Section B-B         Added heavy hex lock nut to the anchor.         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 3         Added handhole on Detail A.         Added callout for washers and nuts in the column base section.
M-OHS-730	Revised Note to Designer when to use Shoulder Foundation Type I and II barrier. Removed "Basis of Payment".         Added and modified new handhole openings on each side of all splices along the horizontal beam. Revised Steel Tube Frame AST         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 2         Revised base plate size in plan to match Section B-B         Added heavy hex lock nut to the anchor.         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 3         Added heavy hex lock nut to the anchor.         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 3         Added handhole on Detail A.         Added callout for washers and nuts in the column base section.         Revised Note 3 for splice and anchor bolt installation requirement.
M-OHS-730	Revised Note to Designer when to use Shoulder Foundation Type I and II barrier. Removed "Basis of Payment".         Added and modified new handhole openings on each side of all splices along the horizontal beam. Revised Steel Tube Frame AST         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 2         Revised base plate size in plan to match Section B-B         Added heavy hex lock nut to the anchor.         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 3         Added handhole on Detail A.         Added callout for washers and nuts in the column base section.
M-OHS-730	Revised Note to Designer when to use Shoulder Foundation Type I and II barrier. Removed "Basis of Payment".         Added and modified new handhole openings on each side of all splices along the horizontal beam. Revised Steel Tube Frame AST         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 2         Revised base plate size in plan to match Section B-B         Added heavy hex lock nut to the anchor.         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 3         Added heavy hex lock nut to the anchor.         OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS SHEET 3         Added handhole on Detail A.         Added callout for washers and nuts in the column base section.         Revised Note 3 for splice and anchor bolt installation requirement.



TOTAL

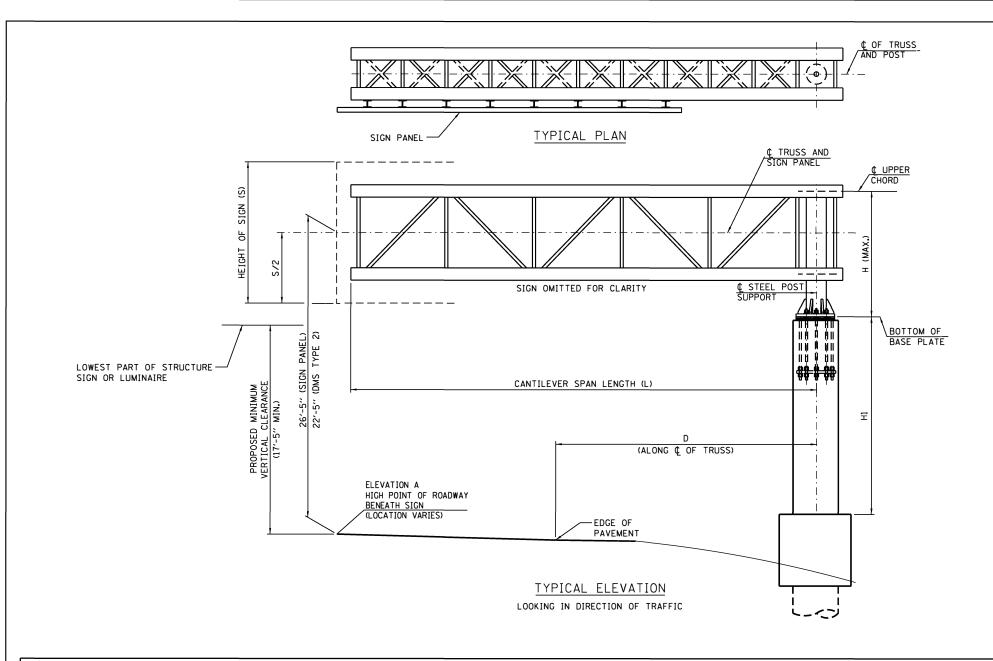
	TOTAL BILL OF MATERIAL		
PAY ITEM	DESCRIPTION	UNIT	TOTAL
	OVERHEAD SIGN STRUCTURE, SPAN TYPE (ALUMINUM)	FOOT	
	FOUNDATION FOR OVERHEAD SIGN STRUCTURE, SPAN TYPE	CU YD	
	REINFORCEMENT BARS, EPOXY COATED	POUND	
	PROTECTIVE COAT	SO YD	

ž	***************************************	&
8	NOTE TO DESIGNER	×
	THIS BASE SHEET SHOWS TYPICAL NEW CONSTRUCTION BUT IT IS NOT STANDARD DRAWING. IT REQUIRES COMPLETION BY THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT. MICROSTATION FILES AND THE "CADD STANDARDS MANUAL" ARE AVAILABLE ON THE ILLINOIS TOLLWAY WEBSITE. THE DESIGNER SHALL ACCEPT THE RESPONSIBILITY OF THE DESIGN OF THIS SHEET UPON ITS COMPLETION AND INSERTION INTO A CONTRACT. ALL "NOTE TO DESIGNER" BOXES SHALL BE REMOVED PRIOR TO INSERTION OF THE SHEET INTO THE PLAN SET.	
×	SITE GROUNDING ELECTRODE SYSTEM TO BE PROVIDED AS DETAILED. (REFERENCE BASE SHEET M-ITS-1101)	
8	SEE ILLINOIS TOLLWAY STRUCTURE DESIGN MANUAL FOR MINIMUM VERTICAL CLEARANCE REQUIREMENTS.	×
X		×

N FO STR	DR OVERHEAD UCTURE	REINFORCEMENT BARS, EPOXY COATED	PROTECTIVE COAT	
ΤE	CLASS DS CONCRETE (CU YD)	(POUND)	(SQ. YD.)	



M-0HS-720



$\times$	
XX	THIS
X	DRAW
X	A CO
X	AVAII
X	RESP
X	INSEF
X	PRIO
X	
X	SITE
R	BASE
8	
$\approx$	INST
8	FOR
$\approx$	
8	SEE
$\approx$	CLEA
X	$\infty$
α	XX

SUMMARY	Sl	J١	۸N	٨,	4	R	Y
---------	----	----	----	----	---	---	---

DESIG	PROPOSED MINIMUM									
STRUCTURE STATION TRUSS	ELEV. A MINIMUM	D	н	H1	HEIGHT OF	TOTAL SIGN AREA	FOUNDATION FO SIGN STR		REINFORCEMENT BARS, EPOXY COATED	PROTECT
NUMBER STATION TYPE	VERTICAL CLEARANCE				TALLEST SIGN	(SQ FT)	CLASS SI CONCRETE (CU YD)	CLASS DS CONCRETE (CU YD)	(POUND)	COAT (SQ. YD
	 		 ר			TOTAL				

	TOTAL BILL OF MATERIAL		
PAY ITEM	DESCRIPTION	UNIT	TOTAL
	OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE (STEEL)	FOOT	
	FOUNDATION FOR OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE	CU YD	
	REINFORCEMENT BARS, EPOXY COATED	POUND	
	PROTECTIVE COAT	SO YD	
	SIGN STRUCTURE WALKWAY	FOOT	

# NOTE TO DESIGNER

CTIVE COAT YD.) 

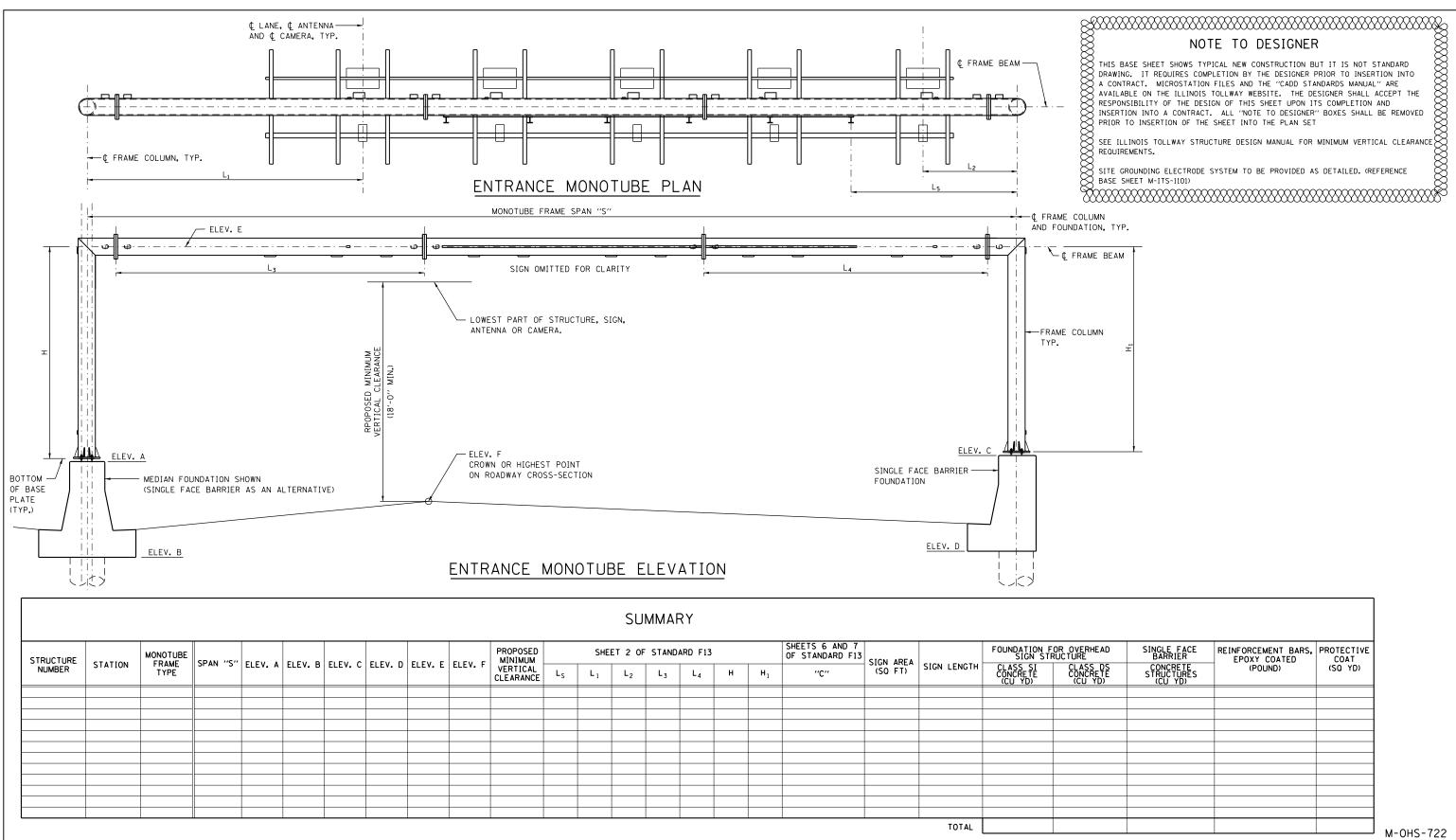
NOTE: WORK THIS SHEET WITH STANDARD F4

M-0HS-721

Illinois | Tollway

OVERHEAD SIGN STRUCTURE CANTILEVER TYPE SUMMARY AND TOTAL BILL OF MATERIAL DATE

3-01-2020

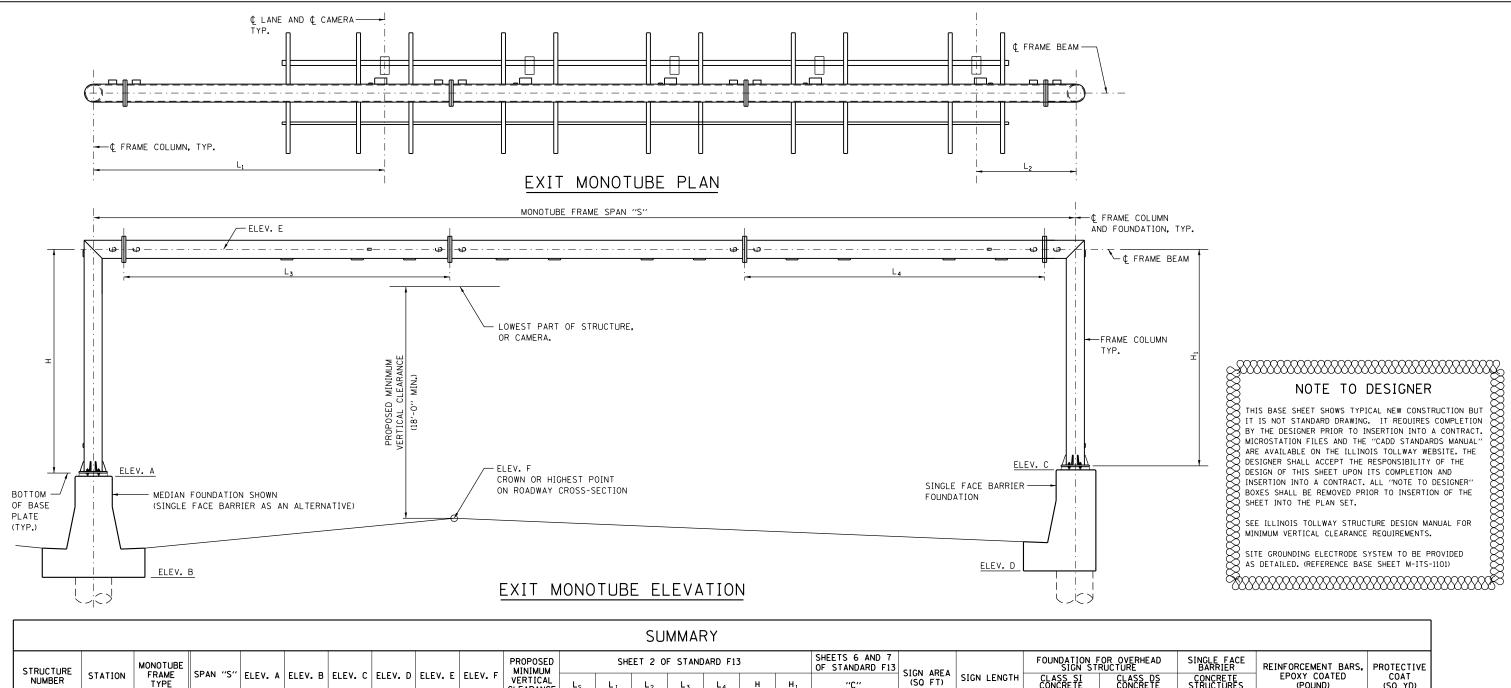


	TOTAL BILL OF MATERIAL		
PAY ITEM	DESCRIPTION	UNIT	TOTAL
	OVERHEAD SIGN STRUCTURE, MAINLINE ENTRANCE MONOTUBE TYPE (STEEL)	FOOT	
	CONCRETE STRUCTURES	CU YD	
	FOUNDATION FOR OVERHEAD SIGN STRUCTURE, MAINLINE MONOTUBE TYPE	CU YD	
	REINFORCEMENT BARS, EPOXY COATED	POUND	
	PROTECTIVE COAT	SQ YD	

OVERHEAD TURE CLASS_DS	SINGLE FACE BARRIER _ <u>CONCRETE</u> _	REINFORCEMENT BARS, EPOXY COATED (POUND)	PROTECTIVE COAT (SQ YD)	
CLASS DS CONCRETE (CU YD)	CONCRETE STRUCTURES (CU_YD)			
				M-OHS-
				llinois ollway

OVERHEAD SIGN STRUCTURE ENTRANCE MONOTUBE TYPE (STEEL) MAINLINE SUMMARY AND TOTAL BILL OF MATERIAL DATE

3-01-2020



н

 $H_1$ 

"C"

VERTICAL CLEARANCE

L<sub>1</sub>

Ls

L<sub>3</sub>

L<sub>2</sub>

L4

	TOTAL BILL OF MATERIAL						
PAY ITEM	DESCRIPTION	UNIT	TOTAL				
	OVERHEAD SIGN STRUCTURE, MAINLINE EXIT MONOTUBE TYPE (STEEL)	FOOT					
	FOUNDATION FOR OVERHEAD SIGN STRUCTURE, MAINLINE MONOTUBE TYPE	CU YD					
	CONCRETE STRUCTURES	CU YD					
	REINFORCEMENT BARS, EPOXY COATED	POUND					
	PROTECTIVE COAT	SQ YD					

TYPE

TOTAL

CLASS SI CONCRETE (CU YD)

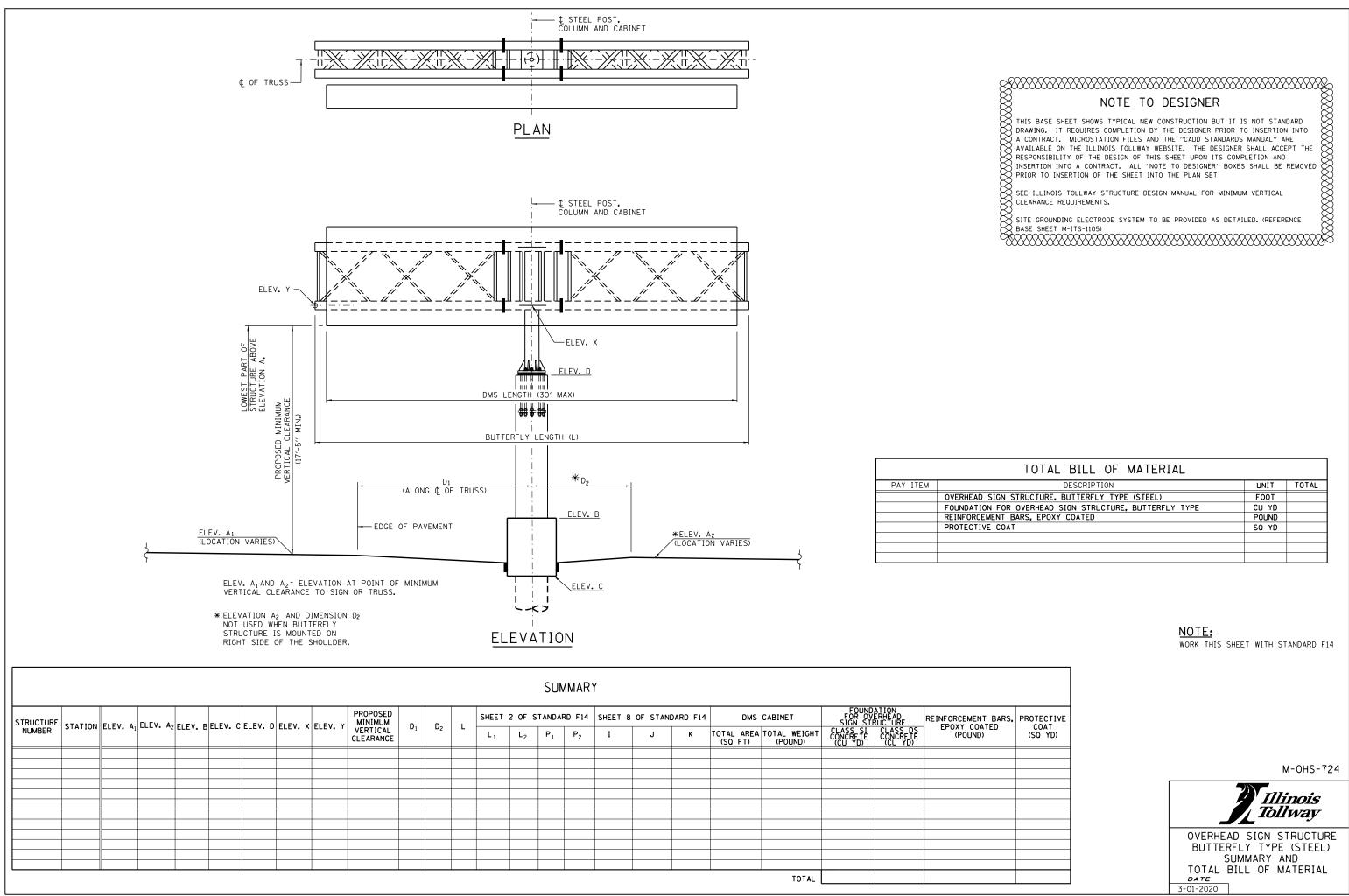
OVERHEAD URE CLASS DS CONCRETE (CU YD)	SINGLE FACE BARRIER CONCRETE STRUCTURES (CU YD)	REINFORCEMENT BARS, EPOXY COATED (POUND)	PROTECTIVE COAT (SQ YD)

M-0HS-723



OVERHEAD SIGN STRUCTURE EXIT MONOTUBE TYPE (STEEL) MAINLINE SUMMARY AND TOTAL BILL OF MATERIAL DATE 3-01-2020

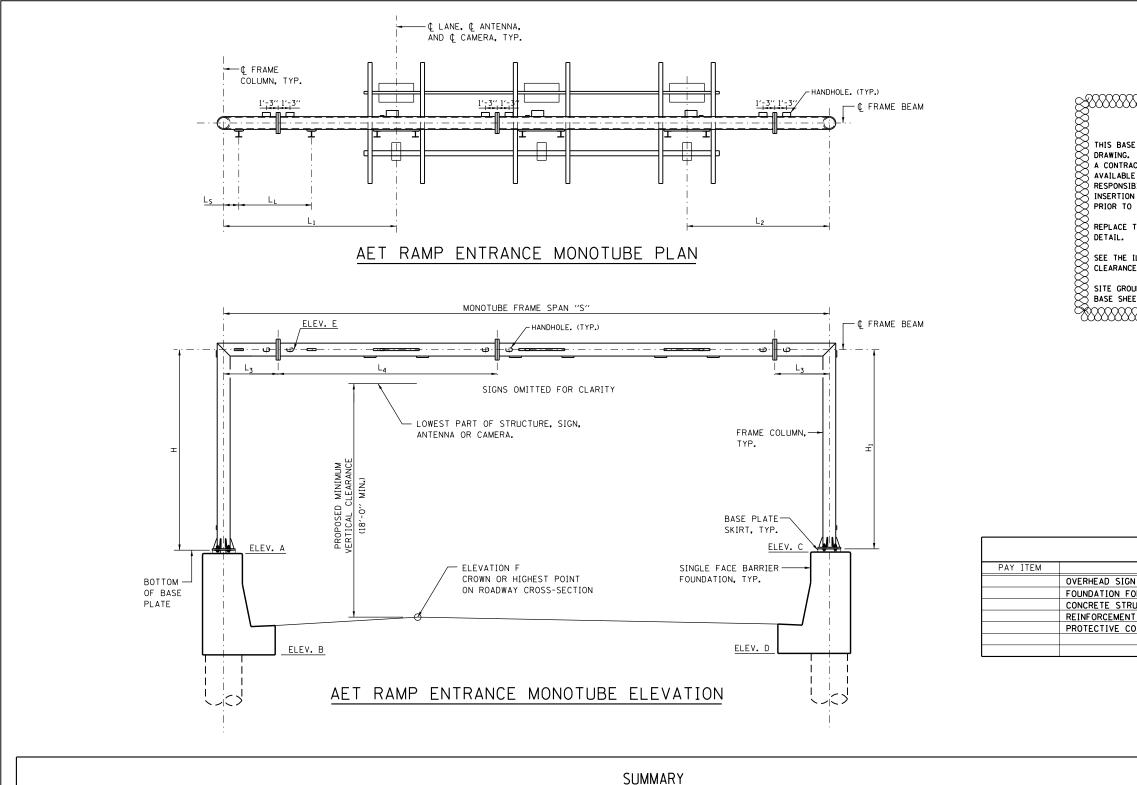
NOTE: WORK THIS SHEET WITH STANDARD F13



Street and a second sec	,
NOTE TO DESIGNER	1
THIS BASE SHEET SHOWS TYPICAL NEW CONSTRUCTION BUT IT IS NOT STANDARD DRAWING. IT REQUIRES COMPLETION BY THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT. MICROSTATION FILES AND THE "CADD STANDARDS MANUAL" ARE AVAILABLE ON THE ILLINOIS TOLLWAY WEBSITE. THE DESIGNER SHALL ACCEPT THE RESPONSIBILITY OF THE DESIGN OF THIS SHEET UPON ITS COMPLETION AND INSERTION INTO A CONTRACT. ALL "NOTE TO DESIGNER" BOXES SHALL BE REMOVED PRIOR TO INSERTION OF THE SHEET INTO THE PLAN SET	
SEE ILLINOIS TOLLWAY STRUCTURE DESIGN MANUAL FOR MINIMUM VERTICAL	
SITE GROUNDING ELECTRODE SYSTEM TO BE PROVIDED AS DETAILED. (REFERENCE	)))))

$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\frown$	$\frown$	$\frown$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	v	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	Y	7
X		<u>. л</u>	х.	~ /	~ ^	. ^	. ^	. ^	. ^				. ^		. ^		ᆞㅅ		. ^		ᆞㅅ	. ^	. ^	. ^	. ^	. /		~ /		<b>、</b> /	<b>۱</b>	Λ,	<b>۱</b>	٩.	Λ,	Λ.	Λ,	Λ.	Λ.	Λ.	Λ.	Α.	х	х	. ^	. ^	_ ^	~	~		1
	へ	$\sim$	$\sim$	へ	へ	へ	へ	へ	へ	へ	へ	へ	へ	へ	ヽ	へ	∽	~	へ	ヽ	へ	~	~_	へ	へ	へ	へ	へ	へ	ᆺ	ᆺ	∽	ᆺ	ᆺ	∽	∽	∽	∽	∽	∽	∽	∽	$\sim$	$\sim$	へ	~	∽	∽	$\sim$	$\sim$	Ċ

TOTAL BILL OF MATERIAL		
DESCRIPTION	UNIT	TOTAL
IGN STRUCTURE, BUTTERFLY TYPE (STEEL)	FOOT	
FOR OVERHEAD SIGN STRUCTURE, BUTTERFLY TYPE	CU YD	
ENT BARS, EPOXY COATED	POUND	
COAT	SQ YD	

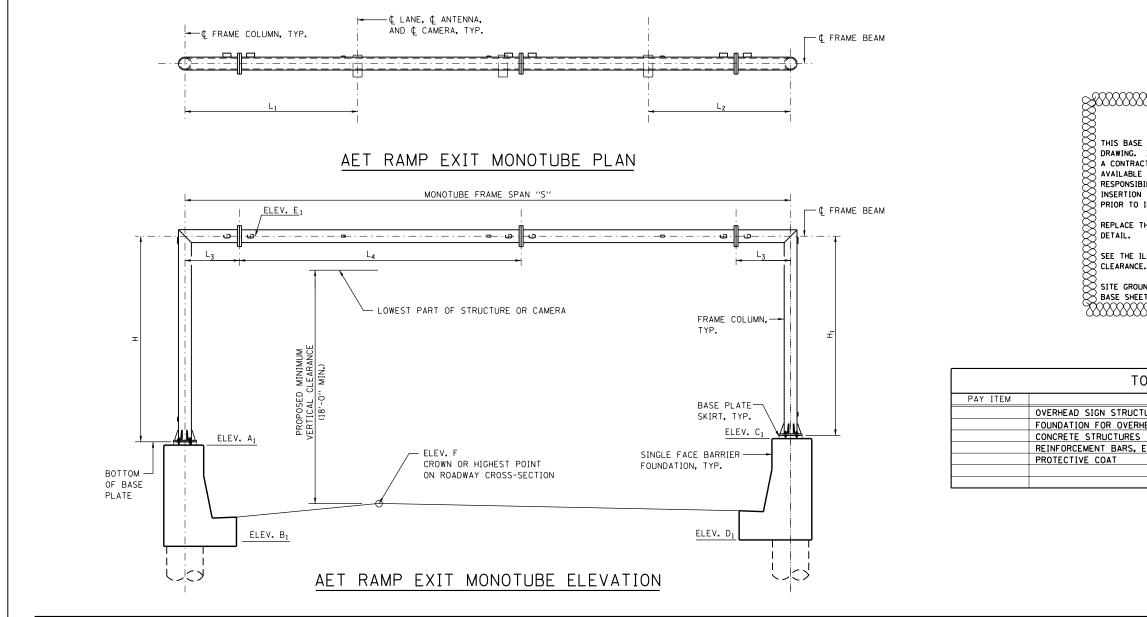


	SPAN "S"						PROPOSED		_	SHEET	2 OF 9	STANDAR	RD F15			SHEET 6 OF STANDARD F15	FOUNDATION I SIGN ST	FOR OVERHEAD	SINGLE FACE BARRIER	REINF
STATION	(FT.) ELEV. /	A ELEV. E	BELEV. C	CELEV. D	D ELEV. E	ELEV. F	VERTICAL CLEARANCE	Ls	L	L	L <sub>2</sub>	L <sub>3</sub>	L4	н	H <sub>1</sub>	"C"	CLASS SI CONCRETE (CU. YD.)	CLASS DS CONCRETE (CU. YD.)	CONCRETE STRUCTURES (CU. YD.)	EP
			_														[			
	_																			
																TOTAL				
	STATION	STATION         SPAN "S" (FT.)         ELEV.	STATION         SPAN "S" (FT.)         ELEV. A         ELEV. B           Image: Station of the state of the sta	STATION         SPAN "S" (FT.)         ELEV. A         ELEV. B         ELEV. (           Image: Strate str	STATION         SPAN "S" (FT.)         ELEV. A         ELEV. B         ELEV. C         ELEV. C           Image: Strate in the strate	STATION         SPAN "S" (FT.)         ELEV. A         ELEV. B         ELEV. C         ELEV. D         ELEV. E           Image: Strate in the strate in	STATION         SPAN "S" (FT.)         ELEV. A         ELEV. B         ELEV. C         ELEV. D         ELEV. E         ELEV. F           Image: Station in the state i	STATIONSPAN "S" (FT.)ELEV. AELEV. BELEV. CELEV. DELEV. DELEV. EPROPOSED MINIMUM VERTICAL CLEARANCEImage: Station of the state stat	STATION       SPAN "S" (FT.)       ELEV. A       ELEV. B       ELEV. C       ELEV. D       ELEV. E       ELEV. F       PROPOSED MINIMUM VERTICAL (LEARANCE)         Image: Station of the state st	STATION $SPAN_{(FT,)}^{"S"}$ ELEV. A     ELEV. B     ELEV. B     ELEV. C     ELEV. D     ELEV. E     PROPOSED ELEV. F     MINIMUM VERTICAL CLEARANCE     I       I     I     I     I     I     I     I     I     I       I     I     I     I     I     I     I     I     I       I     I     I     I     I     I     I     I     I       I     I     I     I     I     I     I     I     I       I     I     I     I     I     I     I     I     I       I     I     I     I     I     I     I     I     I       I     I     I     I     I     I     I     I     I       I     I     I     I     I     I     I     I     I       I     I     I     I     I     I     I     I     I       I     I     I     I     I     I     I     I     I       I     I     I     I     I     I     I     I     I       I     I     I     I     I     I     I	STATION $PROPOSED (FT,)$ ELEV. A         ELEV. B         ELEV. C         ELEV. D         ELEV. D         ELEV. F $PROPOSED MINIMUM VERTICAL CLEARANCE         L_L L_L L_1           Image: Image$	SPAN "S" ELEVIN DELEVIN DELEVI	SPAN "S" FLEW A FLEW OF FUL OF FLEW OF FUL OF FLEW	SPAN "S" FLEW A	SPAN "S" FLEW A FLEW OF FUE OF FLEW OF FLEW OF FLEW OF FLEW OF STANDARD F15	SPAN "S" FLEW A FLEW OF FUEL OF FLEW OF FLEW OF FLEW OF MINIMUM	SPAN "S" (FT,)         Lev. B         Lev. B         Lev. C         Lev. B         Lev. C         Lev. C <thlev. c<="" th=""> <th< td=""><td>STATION         SPAN "S" (FL.)         ELEV. A         ELEV. B         ELEV. C         ELEV. D         ELEV. C         ELEV. D         ELEV. C         ELEV. D         ELEV. C         PROPOSED MINIMUM VERTICAL CLEARANCE         SHEET 2 OF STANDARD F15         SHEET 6 OF STANDARD F15         SHEET 6 OF STANDARD F15         CLASS S1 CONCETTE (CU, YD.)          </td><td>STATION         PRAN "S" (FT,)         ELEV. A         ELEV. B         ELEV. C         ELEV. B         ELEV. C         ELEV. B         ELEV. F         PROPOSED (CL ASS. OS CLASS. OS</td><td>STATION         SPAN "S" (FL,)"         ELEV. 8         ELEV. 6         ELEV. 0         ELEV. 6         ELEV. 6         PROPOSED ELEV. 6         SHEET 2 OF STANDARD F15         SHEET 6 OF STANDARD F15         FOUNDATION FOR OVERHEAD SIGN STRUCTURE         SIGL E FAC BARRIER          </td></th<></thlev.>	STATION         SPAN "S" (FL.)         ELEV. A         ELEV. B         ELEV. C         ELEV. D         ELEV. C         ELEV. D         ELEV. C         ELEV. D         ELEV. C         PROPOSED MINIMUM VERTICAL CLEARANCE         SHEET 2 OF STANDARD F15         SHEET 6 OF STANDARD F15         SHEET 6 OF STANDARD F15         CLASS S1 CONCETTE (CU, YD.)	STATION         PRAN "S" (FT,)         ELEV. A         ELEV. B         ELEV. C         ELEV. B         ELEV. C         ELEV. B         ELEV. F         PROPOSED (CL ASS. OS CLASS. OS	STATION         SPAN "S" (FL,)"         ELEV. 8         ELEV. 6         ELEV. 0         ELEV. 6         ELEV. 6         PROPOSED ELEV. 6         SHEET 2 OF STANDARD F15         SHEET 6 OF STANDARD F15         FOUNDATION FOR OVERHEAD SIGN STRUCTURE         SIGL E FAC BARRIER

Z	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
3	NOTE TO DESIGNER
	THIS BASE SHEET SHOWS TYPICAL NEW CONSTRUCTION BUT IT IS NOT STANDARD DRAWING. IT REQUIRES COMPLETION BY THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT. MICROSTATION FILES AND THE "CADD STANDARDS MANUAL" ARE AVAILABLE ON THE ILLINOIS TOLLWAY WEBSITE. THE DESIGNER SHALL ACCEPT THE RESPONSIBILITY OF THE DESIGN OF THIS SHEET UPON ITS COMPLETION AND INSERTION INTO A CONTRACT. ALL "NOTE TO DESIGNER" BOXES SHALL BE REMOVED PRIOR TO INSERTION OF THE SHEET INTO THE PLAN SET
	REPLACE THIS "NOTE TO DESIGNER" WITH SITE GROUNDING ELECTRODE SYSTEM
	SEE THE ILLINOIS TOLLWAY STRUCTURE DESIGN MANUAL FOR MINIMUM VERTICAL
)	SITE GROUNDING ELECTRODE SYSTEM TO BE PROVIDED AS DETAILED. (REFERENCE BASE SHEET M-ITS-1101)
RX	

TOTAL BILL OF MATERIAL		
DESCRIPTION	UNIT	TOTAL
N STRUCTURE, AET RAMP ENTRANCE MONOTUBE TYPE (STEEL)	FOOT	
OR OVERHEAD SIGN STRUCTURE, RAMP MONOTUBE TYPE	CU. YD.	
RUCTURES	CU. YD.	
T BARS, EPOXY COATED	POUND	
OAT	SO. YD.	

EMENT BARS, PROTECTIVE Y COATED OUNDS) (SO. YD.)	NOTE: Work this sheet with standard f15
	M-0HS-725
	<i>Illinois</i> Tollway
	OVERHEAD SIGN STRUCTURE ENTRANCE MONOTUBE TYPE (STEEL) AET RAMP SUMMARY AND TOTAL BILL OF MATERIAL
I	3-01-2020



												SU	MMAF	٦Y						
STRUCTURE		SPAN "S"							PROPOSED MINIMUM		SHEET	3 OF	STANDAF	RD F15		SHEET 6 OF STANDARD F15	FOUNDATION SIGN ST	FOR OVERHEAD RUCTURE	SINGLE FACE BARRIER	REINF
NUMBER	STATION	(FT_)	ELEV. A	ELEV. B	1 ELEV. C	1 ELEV. D	ELEV. E	ELEV. F	VERTICAL CLEARANCE	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L4	н	н,	"с"	CLASS SI CONCRETE (CU. YD.)	CLASS DS CONCRETE (CU. YD.)	CONCRETE STRUCTURES (CU. YD.)	E
		_																		
		_																		
		_																		
		_																		
																TOTAL				

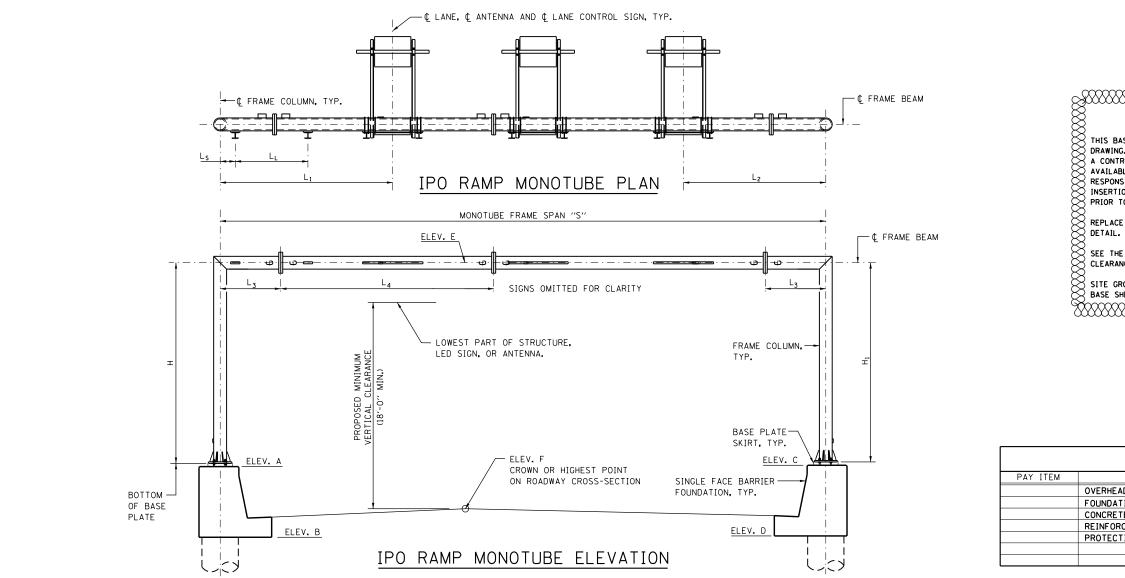
NOTE TO DESIGNER	
ASE SHEET SHOWS TYPICAL NEW CONSTRUCTION BUT IT IS NOT STANDARD G. IT REQUIRES COMPLETION BY THE DESIGNER PRIOR TO INSERTION INTO RACT. MICROSTATION FILES AND THE "CADD STANDARDS MANUAL" ARE BLE ON THE ILLINOIS TOLLWAY WEBSITE. THE DESIGNER SHALL ACCEPT THE SIBILITY OF THE DESIGN OF THIS SHEET UPON ITS COMPLETION AND ON INTO A CONTRACT. ALL "NOTE TO DESIGNER" BOXES SHALL BE REMOVED TO INSERTION OF THE SHEET INTO THE PLAN SET	
E THIS "NOTE TO DESIGNER" WITH SITE GROUNDING ELECTRODE SYSTEM	
E ILLINOIS TOLLWAY STRUCTURE DESIGN MANUAL FOR MINIMUM VERTICAL	
ROUNDING ELECTRODE SYSTEM TO BE PROVIDED AS DETAILED. (REFERENCE	

OTAL BILL OF MATERIAL		
DESCRIPTION	UNIT	TOTAL
TURE, AET RAMP EXIT MONOTUBE TYPE (STEEL)	FOOT	
HEAD SIGN STRUCTURE, RAMP MONOTUBE TYPE	CU. YD.	
	CU. YD.	
EPOXY COATED	POUND	
	SQ. YD.	

INFORCEMENT BARS, EPOXY COATED (POUNDS)	PROTECTIVE COAT (SO. YD.)

NOTE: WORK THIS SHEET WITH STANDARD F15





											SL	JMMA	RY								
STRUCTURE		SPAN "S" (FT.)						PROPOSED MINIMUM			SHEET	2 OF ST	TANDARD	) F16			SHEET 6 OF STANDARD F16	FOUNDATION F SIGN ST	FOR OVERHEAD RUCTURE	SINGLE FACE BARRIER	REI
STRUCTURE NUMBER	STATION	(FT.)	ELEV. A	ELEV. B ELEV. C	ELEV. D	ELEV. E	ELEV. F	VERTICAL CLEARANCE	Ls	LL	L	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>	н	н,	"С"	CLASS SI CONCRETE (CU. YD.)	CLASS DS CONCRETE (CU. YD.)	CONCRETE STRUCTURES (CU. YD.)	
		-																			
		-																			
		_																			
		_																			
		-																			
•	*																TOTAL				

NOTE: Work this sheet with standard fig

NOTE TO DESIGNER WITH SITE GROUNDING ELECTRODE SYSTEM DETAIL. SEE THE ILLINOIS TOLLWAY STRUCTURE DESIGN MANUAL FOR MINIMUM VERTICAL CLEARANCE. SITE GROUNDING ELECTRODE SYSTEM TO BE PROVIDED AS DETAILED. (REFERENCE BASE SHEET M-ITS-IIO)

TOTAL BILL OF MATERIAL		
DESCRIPTION	UNIT	TOTAL
AD SIGN STRUCTURE, CASH-IPO RAMP MONOTUBE TYPE (STEEL)	FOOT	
TION FOR OVERHEAD SIGN STRUCTURE, RAMP MONOTUBE TYPE	CU. YD.	
TE STRUCTURES	CU. YD.	
CEMENT BARS, EPOXY COATED	POUND	
TIVE COAT	SO. YD.	

REINFORCEMENT BARS, EPOXY COATED (POUNDS)	PROTECTIVE COAT (SQ. YD.)

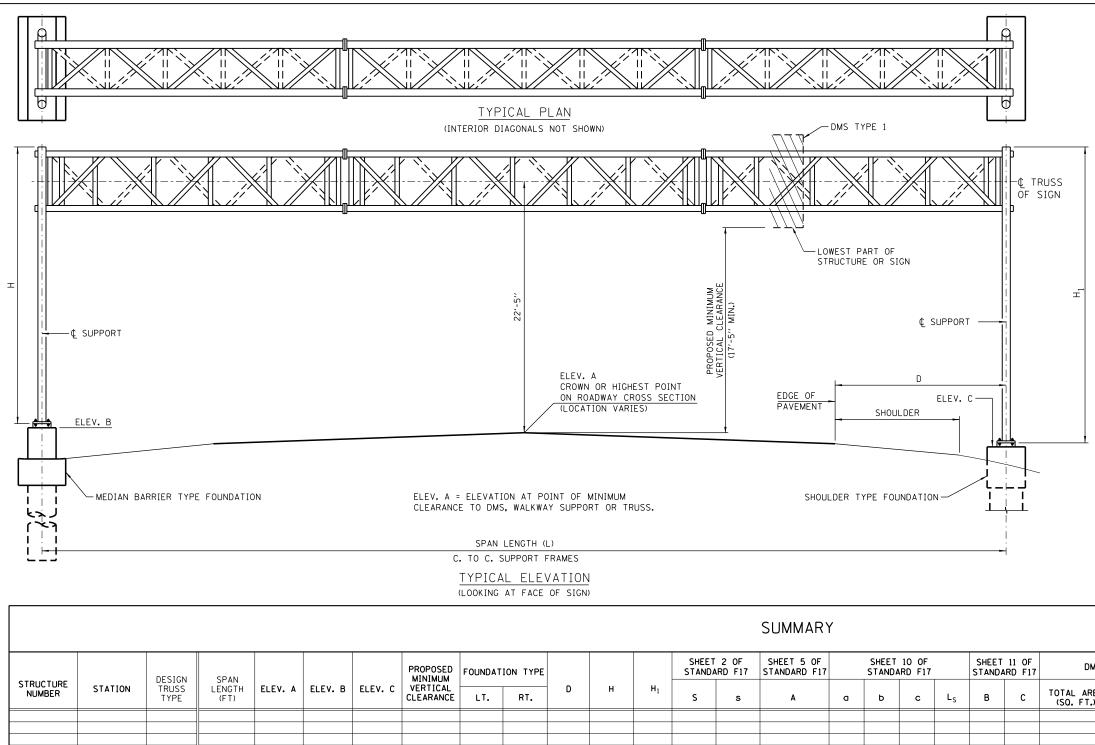
M-0HS-727

Illinois Tollway

OVERHEAD SIGN STRUCTURE MONOTUBE TYPE (STEEL) CASH-IPO RAMP

SUMMARY AND TOTAL BILL OF MATERIAL

**DATE** 3-01-2020

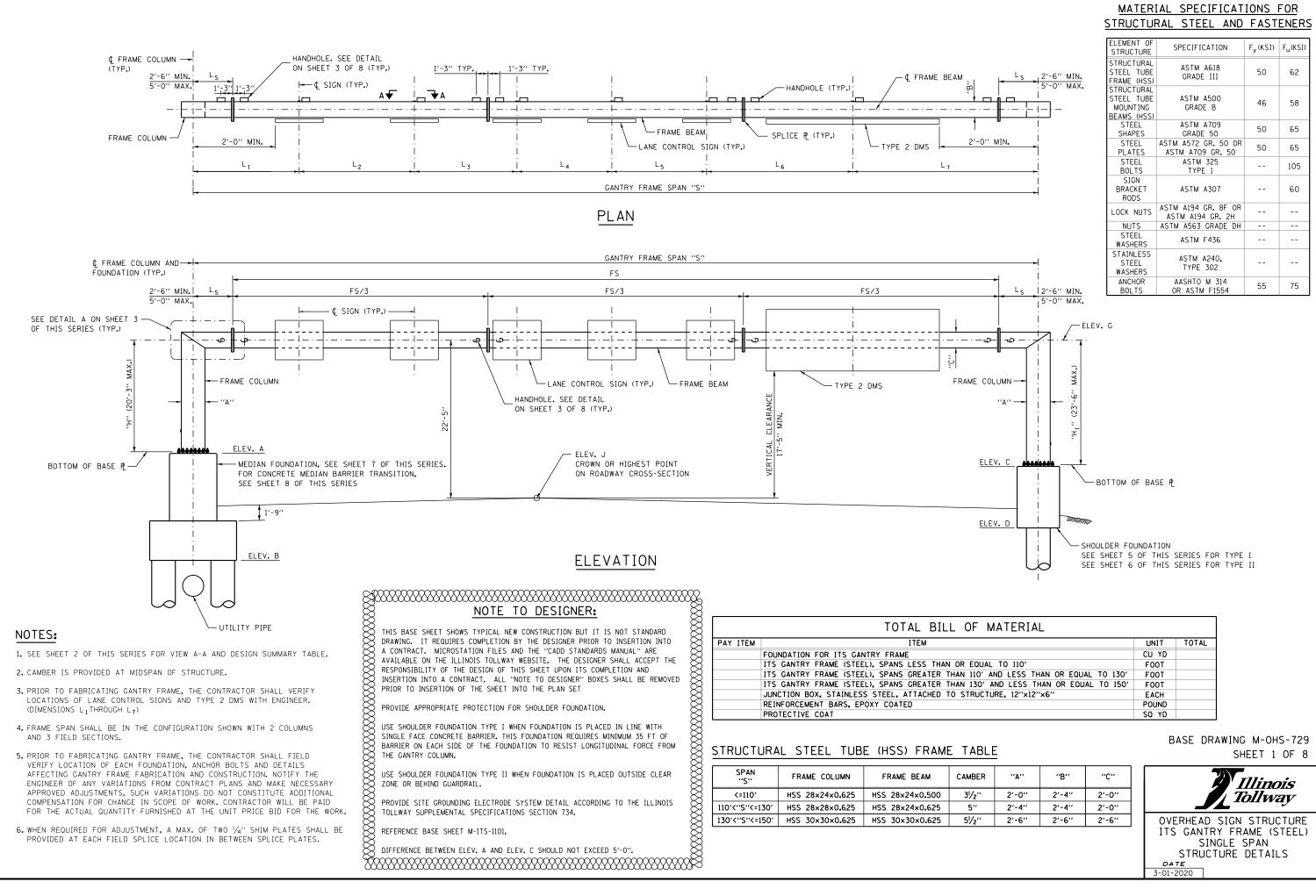


	DESIG	DESIGN	SPAN				PROPOSED	FOUNDAT	ION TYPE				F 2 OF ARD F17	SHEET 5 OF STANDARD F17			10 OF ARD F17	1		11 OF ARD F17	DMS	TYP	
STRUCTURE NUMBER	STATION	TRUSS TYPE	LENGTH (FT)	ELEV. A	ELEV. B	ELEV. C		LT.	RT.	н	н н <sub>1</sub>	н н <sub>1</sub>	s	s	A	a	ь	с	Ls	в	с	TOTAL AREA (SO. FT.)	т
																					<u> </u>		
																					L	_	
																					L		
																					L		
																					L	_	
																					L	_	
																					L	_	
																					<u> </u>		

	TOTAL BILL OF MATERIAL		
PAY ITEM	DESCRIPTION	UNIT	TOTAL
	OVERHEAD SIGN STRUCTURE - SPAN TYPE (STEEL)	FOOT	
	FOUNDATION FOR OVERHEAD SIGN STRUCTURE, SPAN TYPE	CU. YD.	
	REINFORCEMENT BARS, EPOXY COATED	POUND	
	PROTECTIVE COAT	SO. YD.	
	SIGN STRUCTURE WALKWAY	FOOT	

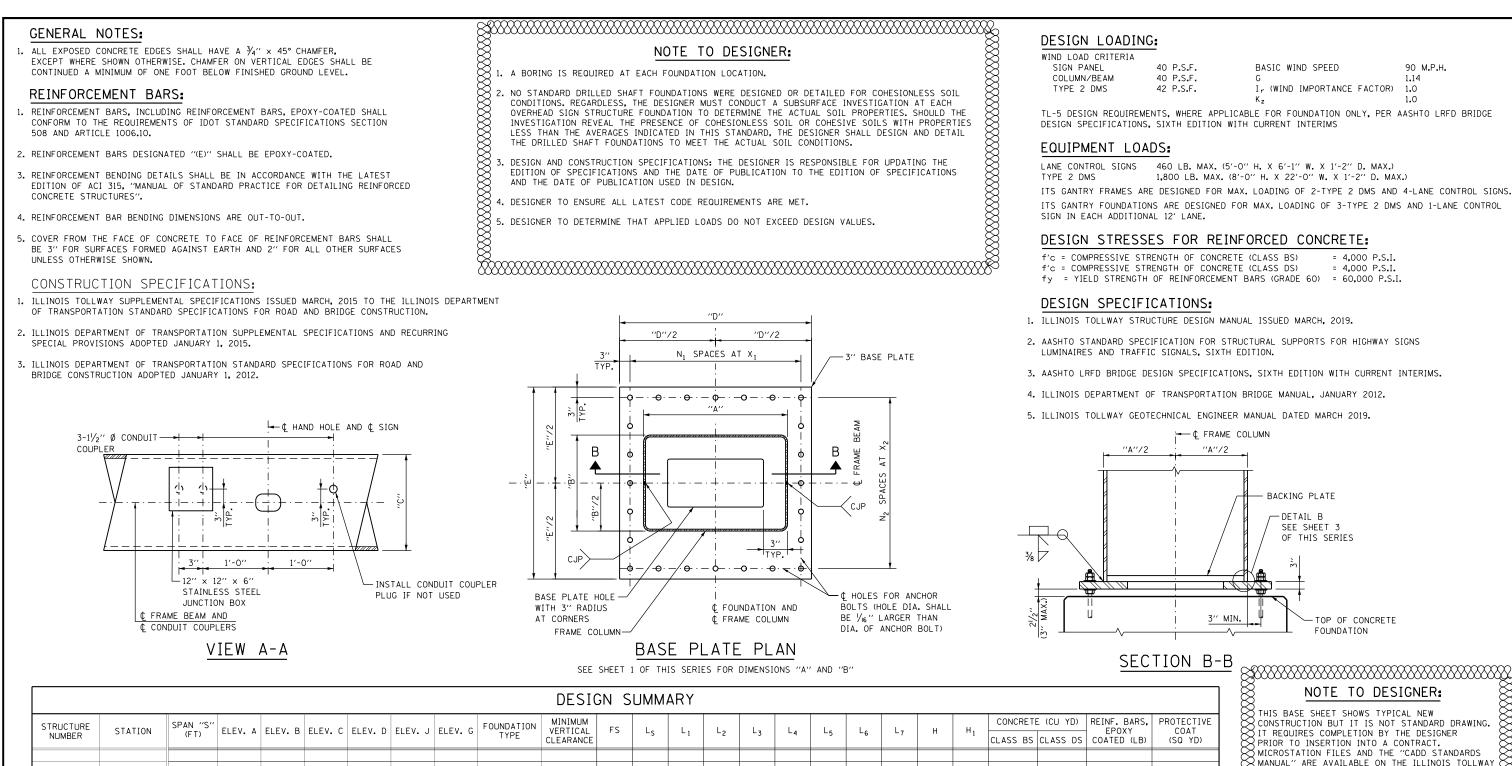
NOTE TO DESIGNER PRIOR TO INSERTION INTO A CONTRACT. MICROSTATION BY THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT. MICROSTATION FILES AND THE "CADD STANDARDS MANUAL" ARE AVAILABLE ON THE ILLINOIS TOLLWAY WEBSITE. THE DESIGNER SHALL ACCEPT THE RESPONSIBILITY OF THE DESIGN OF THIS SHEET UPON ITS COMPLETION AND INSERTION INTO A CONTRACT. ALL "NOTE TO DESIGNER" BOXES SHALL BE REMOVED PRIOR TO INSERTION OF THE SHEET INTO THE PLAN SET. PAYITEM USED IS BASED ON THE DESIGN LENGH, NOT THE CONSTRUCTED LENGTH. SEE THE ILLINOIS TOLLWAY STRUCTURAL DESIGN MANUAL FOR MINIMUM VERTICAL CLEARANCE. SITE GROUNDING ELECTRODE SYSTEM TO BE PROVIDED AS DETAILED. (REFERENCE BASE SHEET M-ITS-1101)

YPE 1		FOR OVERHEAD	REINFORCEMENT BARS	, PROTECTIVE
TOTAL WEIGHT (LBS.)	CLASS SI CONCRETE (CU YD)	CLASS DS CONCRETE (CU YD)	EPOXY COATED (POUNDS)	COAT (CU YD)
TOTAL				
				, Illinois Illway
NOTE:	SUFFT WITH ST		OVERHEAD SIGN SPAN TYPE SUMMARY AN BILL OF MA	(STEEL) D TOTAL
WORK THIS	SHEET WITH STA	ANDARD F17	3-01-2020	



OF MATERIAL		
	UNIT	TOTAL
	CU YD	
R EQUAL TO 110'	FOOT	
N 110' AND LESS THAN OR EQUAL TO 130'	FOOT	
N 130' AND LESS THAN OR EQUAL TO 150'	FOOT	
STRUCTURE, 12"×12"×6"	EACH	
	POUND	
	SQ YD	

AMBER	"A"	"B"	"C"
31/2"	2'-0''	2'-4''	2'-0''
5"	2'-4''	2'-4''	2'-0''
5 <sup> </sup> /2"	2'-6''	2'-6''	2'-6''



BASE PLATE TABLE - TYPE	N
-------------------------	---

SPAN ''S''	''D''	"E"	N <sub>1</sub>	×1	N <sub>2</sub>	X <sub>2</sub>	ANCHOR BOLT DIAMETER	NO. ANCHOR BOLT
<=110'	3'-2''	3'-5''	4	8''	5	7''	1¾"	18
110'<''S''<=130'	3'-5''	3'-6''	5	7"	6	6′′	1¾"	22
130'<''S''<=150'	3′-7 <sup> </sup> /2″	3′-6′′	5	7½′′	6	6′′	1¾"	22

TOTAL

LIERIA			
	40 P.S.F.	BASIC WIND SPEED	90 M.P.H.
M	40 P.S.F.	G	1.14
	42 P.S.F.	Ir (WIND IMPORTANCE FACTOR)	1.0
		Kz	1.0

F. BARS, POXY FED (LB)	PROTECTIVE COAT (SQ YD)	

X	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	S
g	NOTE TO DESIGNER:	X
g	O THIS BASE SHEET SHOWS TYPICAL NEW CONSTRUCTION BUT IT IS NOT STANDARD DRAWING.	g
ğ	O IT REQUIRES COMPLETION BY THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT.	8
ğ	MICROSTATION FILES AND THE "CADD STANDARDS MANUAL" ARE AVAILABLE ON THE ILLINOIS TOLLWAY	×
ğ	WEBSITE. THE DESIGNER SHALL ACCEPT THE RESPONSIBILITY OF THE DESIGN OF THIS SHEET	8
ğ	UPON ITS COMPLETION AND INSERTION INTO A	×
ğ	BE REMOVED PRIOR TO INSERTION OF THE SHEET	X

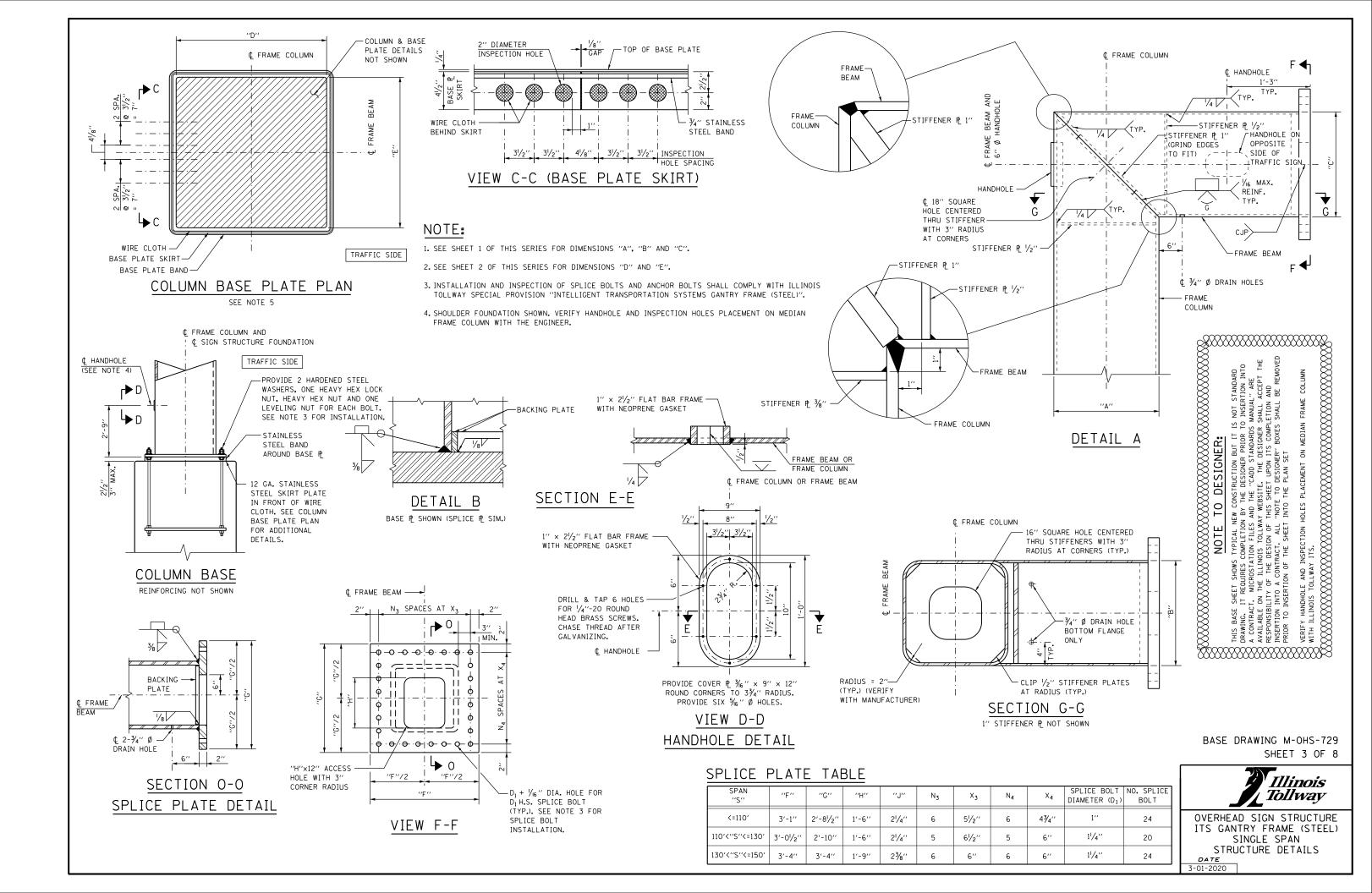
DATE 3-01-2020

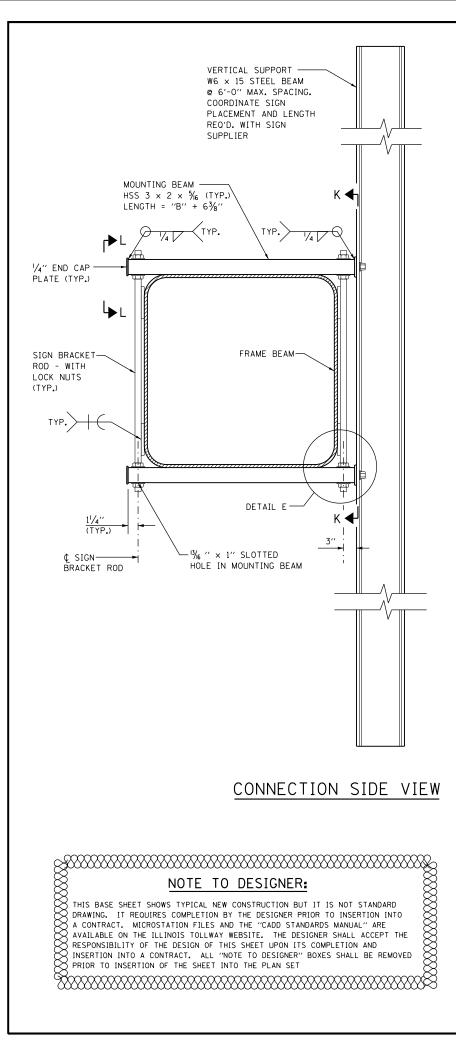
🚫 INTO THE PLAN SET

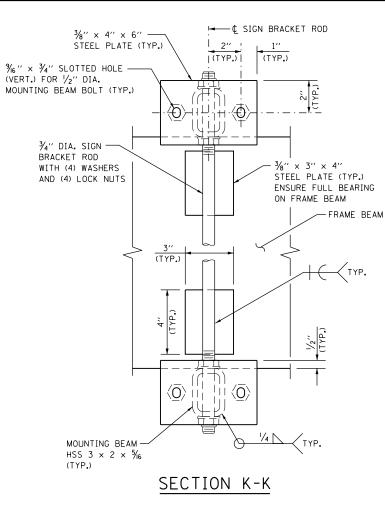
BASE DRAWING M-OHS-729 SHEET 2 OF 8



STRUCTURE DETAILS







## VERTICAL SUPPORT TABLE

W6×15									
SIGN	WIDTH	NUMBER OF VERTICAL							
GREATER THAN	LESS THAN OR EQUAL TO								
	8'-0''	2							
8'-0''	14'-0''	3							
14'-0''	20'-0''	4							
20'-0''	26'-0''	5							

## NOTES:

- 1. CONNECTION DETAIL IS APPLICABLE TO DMS AND LANE CONTROL SIGN.
- 2. VERIFY VERTICAL SUPPORT MEMBER LENGTH PRIOR TO FABRICATION.
- 3. DMS MANUFACTURER AND LANE CONTROL SIGN MANUFACTURER SHALL DESIGN, PROVIDE AND INSTALL HORIZONTAL MOUNTING MEMBERS. VERTICAL SPACING OF HORIZONTAL MEMBERS SHALL BE DESIGNED BY MANUFACTURER. VERIFY VERTICAL SPACING WITH HOLES ON W6×15 VERTICAL SUPPORT.
- 4. PROVIDE HIGH STRENGTH BOLTS WITH WASHERS AND LOCK NUTS TO FASTEN DMS AND LANE CONTROL SIGN TO VERTICAL SUPPORT MEMBERS.
- 5. GALVANIZE ALL NON-STAINLESS STEEL PARTS.
- 6. SIGN BRACKET RODS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A307.
- 7. LOCK NUTS SHALL BE STAINLESS STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A194 GRADE 8F OR ASTM A194 GRADE 2H.

LOCK NUT WITH NYLON -INSERT AND WASHER. SEE NOTE 8.

> 1/4" × 3" × 4" END CAP PLATE

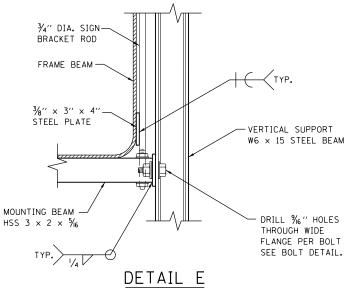
¾" DIA. HEX NUT AND WASHER

<sup>3</sup>/<sub>8</sub>" × 3" × 4" STEEL PLATE

BRACKET ROD

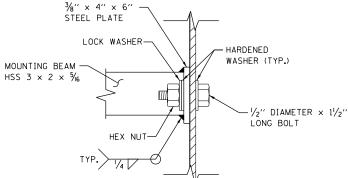
FRAME BEAM-

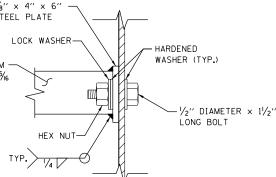
3/8" × 3" × 4" STEEL PLATE

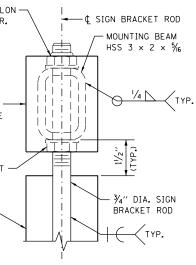


HSS 3 × 2 × 5/6









VIEW L-L

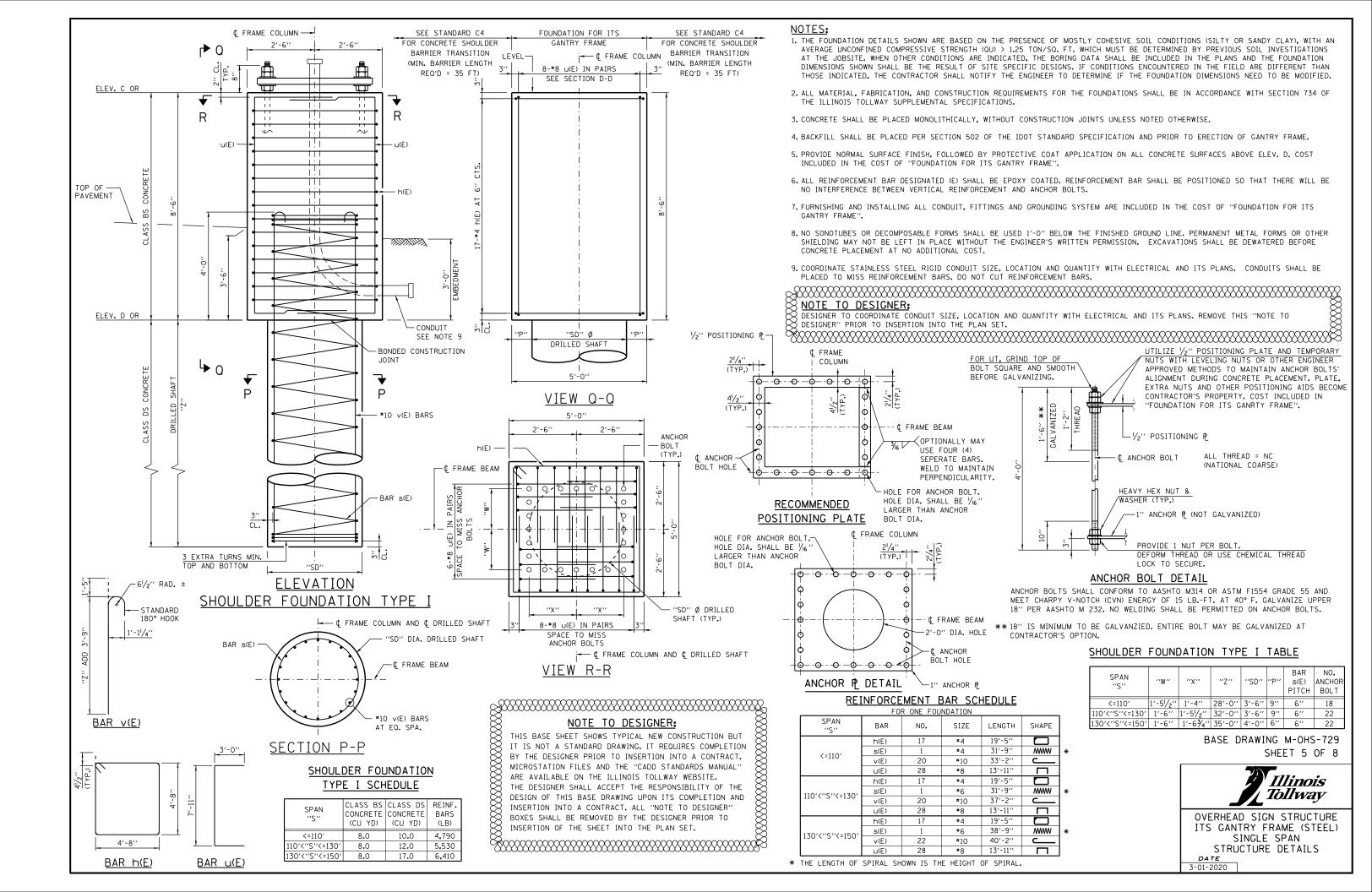
BASE DRAWING M-OHS-729 SHEET 4 OF 8

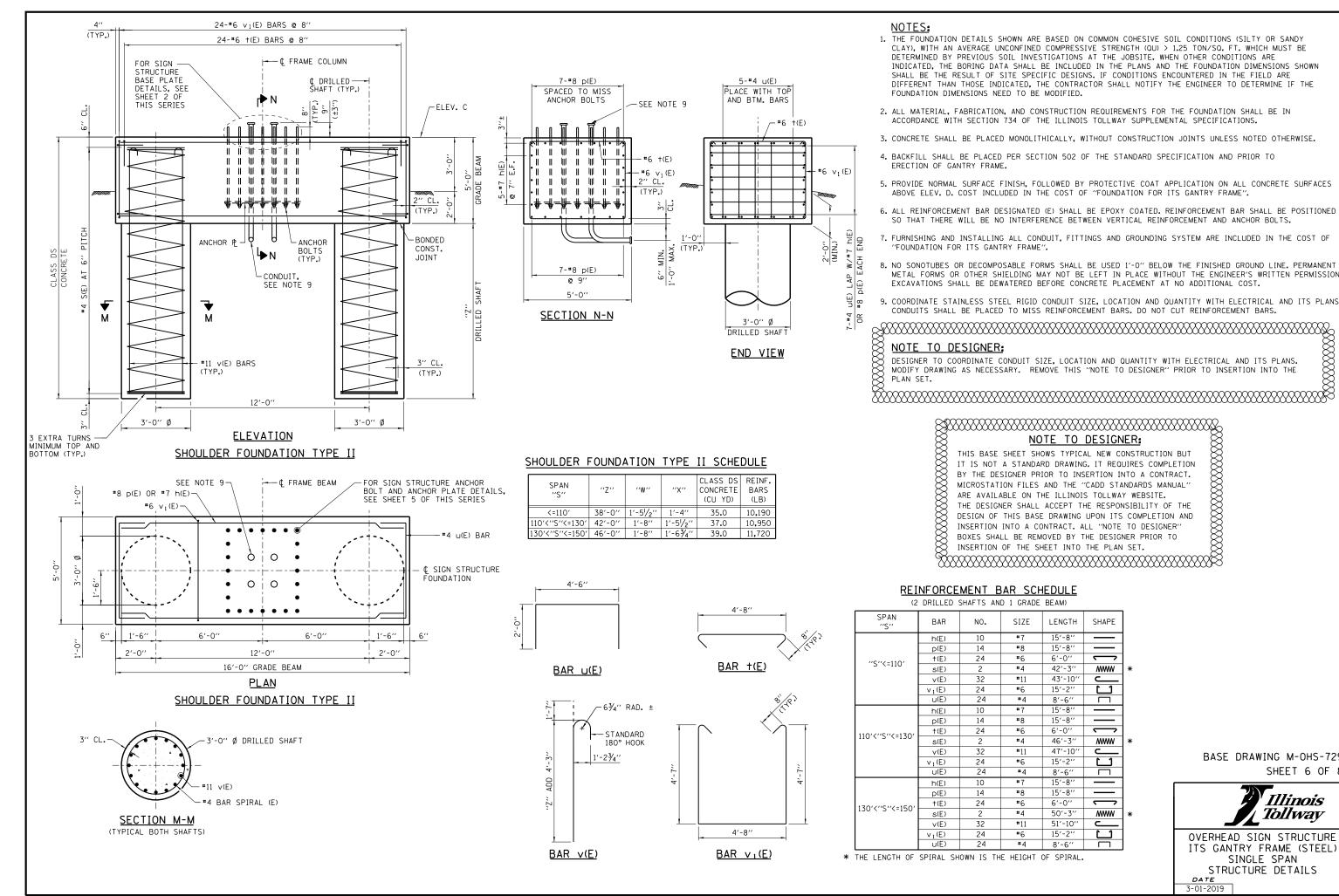


SIGN BRACKET ROD NOT SHOWN FOR CLARITY

BOLT DETAIL

OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) SINGLE SPAN STRUCTURE DETAILS DATE 3-31-2017





1. THE FOUNDATION DETAILS SHOWN ARE BASED ON COMMON COHESIVE SOIL CONDITIONS (SILTY OR SANDY CLAY), WITH AN AVERAGE UNCONFINED COMPRESSIVE STRENGTH (QU) > 1.25 TON/SO. FT. WHICH MUST BE DETERMINED BY PREVIOUS SOIL INVESTIGATIONS AT THE JOBSITE. WHEN OTHER CONDITIONS ARE

INDICATED, THE BORING DATA SHALL BE INCLUDED IN THE PLANS AND THE FOUNDATION DIMENSIONS SHOWN SHALL BE THE RESULT OF SITE SPECIFIC DESIGNS. IF CONDITIONS ENCOUNTERED IN THE FIELD ARE DIFFERENT THAN THOSE INDICATED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO DETERMINE IF THE

2. ALL MATERIAL, FABRICATION, AND CONSTRUCTION REQUIREMENTS FOR THE FOUNDATION SHALL BE IN ACCORDANCE WITH SECTION 734 OF THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS.

3. CONCRETE SHALL BE PLACED MONOLITHICALLY, WITHOUT CONSTRUCTION JOINTS UNLESS NOTED OTHERWISE.

4. BACKFILL SHALL BE PLACED PER SECTION 502 OF THE STANDARD SPECIFICATION AND PRIOR TO

5. PROVIDE NORMAL SURFACE FINISH, FOLLOWED BY PROTECTIVE COAT APPLICATION ON ALL CONCRETE SURFACES ABOVE ELEV. D. COST INCLUDED IN THE COST OF "FOUNDATION FOR ITS GANTRY FRAME".

6. ALL REINFORCEMENT BAR DESIGNATED (E) SHALL BE EPOXY COATED. REINFORCEMENT BAR SHALL BE POSITIONED SO THAT THERE WILL BE NO INTERFERENCE BETWEEN VERTICAL REINFORCEMENT AND ANCHOR BOLTS.

7. FURNISHING AND INSTALLING ALL CONDUIT, FITTINGS AND GROUNDING SYSTEM ARE INCLUDED IN THE COST OF

8. NO SONOTUBES OR DECOMPOSABLE FORMS SHALL BE USED 1'-O" BELOW THE FINISHED GROUND LINE. PERMANENT METAL FORMS OR OTHER SHIELDING MAY NOT BE LEFT IN PLACE WITHOUT THE ENGINEER'S WRITTEN PERMISSION. EXCAVATIONS SHALL BE DEWATERED BEFORE CONCRETE PLACEMENT AT NO ADDITIONAL COST.

9. COORDINATE STAINLESS STEEL RIGID CONDUIT SIZE, LOCATION AND QUANTITY WITH ELECTRICAL AND ITS PLANS. CONDUITS SHALL BE PLACED TO MISS REINFORCEMENT BARS. DO NOT CUT REINFORCEMENT BARS.

# NOTE TO DESIGNER:

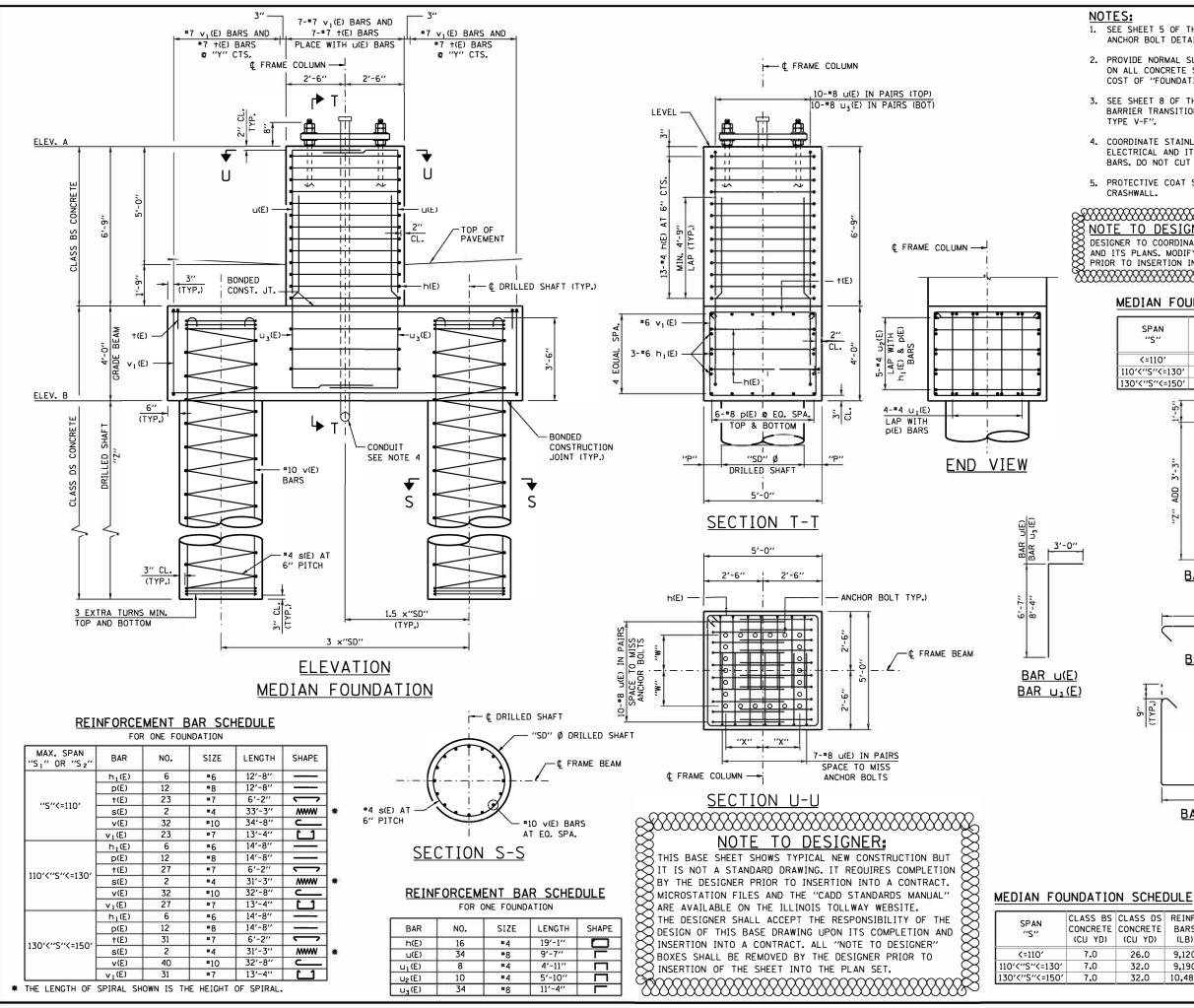
THIS BASE SHEET SHOWS TYPICAL NEW CONSTRUCTION BUT IT IS NOT A STANDARD DRAWING, IT REQUIRES COMPLETION BY THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT. MICROSTATION FILES AND THE "CADD STANDARDS MANUAL" ARE AVAILABLE ON THE ILLINOIS TOLLWAY WEBSITE. THE DESIGNER SHALL ACCEPT THE RESPONSIBILITY OF THE DESIGN OF THIS BASE DRAWING UPON ITS COMPLETION AND INSERTION INTO A CONTRACT. ALL "NOTE TO DESIGNER" BOXES SHALL BE REMOVED BY THE DESIGNER PRIOR TO INSERTION OF THE SHEET INTO THE PLAN SET.

AN	J I GRADE	BEAM)		
	SIZE	LENGTH	SHAPE	
	<b>#</b> 7	15'-8''		
	<b>#</b> 8	15'-8''		
	<b>#</b> 6	6'-0''	J	
	#4	42'-3''	www	*
	<b>#</b> 11	43'-10''		
	<b>#</b> 6	15'-2''	Ľ	
	#4	8'-6''		
	#7	15'-8''		
	#8	15'-8''		
	<b>#</b> 6	6'-0''	J	
	#4	46'-3''	MMW	*
	<b>#</b> 11	47'-10''		
	<b>#</b> 6	15'-2''	Ľ	
	#4	8'-6''		
	<b>#</b> 7	15'-8''		
	#8	15'-8''		
	<b>#</b> 6	6'-0''	Ĵ	
	#4	50'-3''	MMW	*
	#11	51'-10''	L	
	<b>#</b> 6	15'-2''	Ľ	
	#4	8'-6''		
ΤН	E HEIGHT	OF SPIRAL.		

BASE DRAWING M-OHS-729 SHEET 6 OF 8



OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) SINGLE SPAN STRUCTURE DETAILS DATE 3-01-2019



## NOTES:

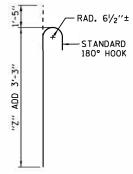
- 1. SEE SHEET 5 OF THIS SERIES FOR FOUNDATION NOTES, DESIGN CRITERIA, ANCHOR BOLT DETAIL AND ANCHOR PLATE DETAIL.
- 2. PROVIDE NORMAL SURFACE FINISH, FOLLOWED BY PROTECTIVE COAT APPLICATION ON ALL CONCRETE SURFACES ABOVE TOP OF GRADE BEAM. COST INCLUDED IN THE COST OF "FOUNDATION FOR ITS GANTRY FRAME".
- SEE SHEET 8 OF THIS SERIES FOR CONCRETE MEDIAN BARRIER TRANSITION. COST OF BARRIER TRANSITION INCLUDED IN COST OF "CONCRETE MEDIAN BARRIER TRANSITION. TYPE V-F".
- 4. COORDINATE STAINLESS STEEL RIGID CONDUIT SIZE, LOCATION AND QUANTITY WITH ELECTRICAL AND ITS PLANS. CONDUITS SHALL BE PLACED TO MISS REINFORCEMENT BARS. DO NOT CUT REINFORCEMENT BARS.
- 5. PROTECTIVE COAT SHALL BE APPLIED TO TRAFFIC AND TOP FACES OF CONCRETE CRASHWALL.

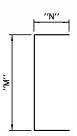
## NOTE TO DESIGNER:

NOTE TO DESIGNER: DESIGNER TO COORDINATE CONDUIT SIZE, LOCATION AND QUANTITY WITH ELECTRICAL AND ITS PLANS. MODIFY DRAWING AS NECESSARY. REMOVE THIS "NOTE TO DESIGNER" PRIOR TO INSERTION INTO THE PLAN SET. 

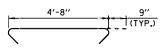
## MEDIAN FOUNDATION TABLE

SPAN "S"	"Z"	"SD"	"P"	"w"	"X"	"Y"	NO. ANCHOR BOL T
<=110'	30'-0''	3'-0''	1'-0''	1'-51/2"	1'-4''	6"	18
110'<''S''<=130'	28'-0''	3'-6''	9''	1'-6''	1'-51/2"	6"	22
130'<"S"<=150'	28'-0''	3'-6''	9"	1'-6''	1'-6¾''	5"	22

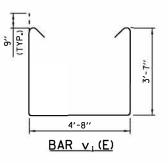




BAR V(E)

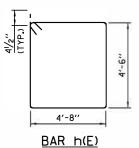


BAR +(E)



BAR  $u_1(E)$ BAR u₂(E)

BAR	"М"	"N"
u1(E)	3'-7''	8''
U <sub>2</sub> (E)	4'-6''	8"

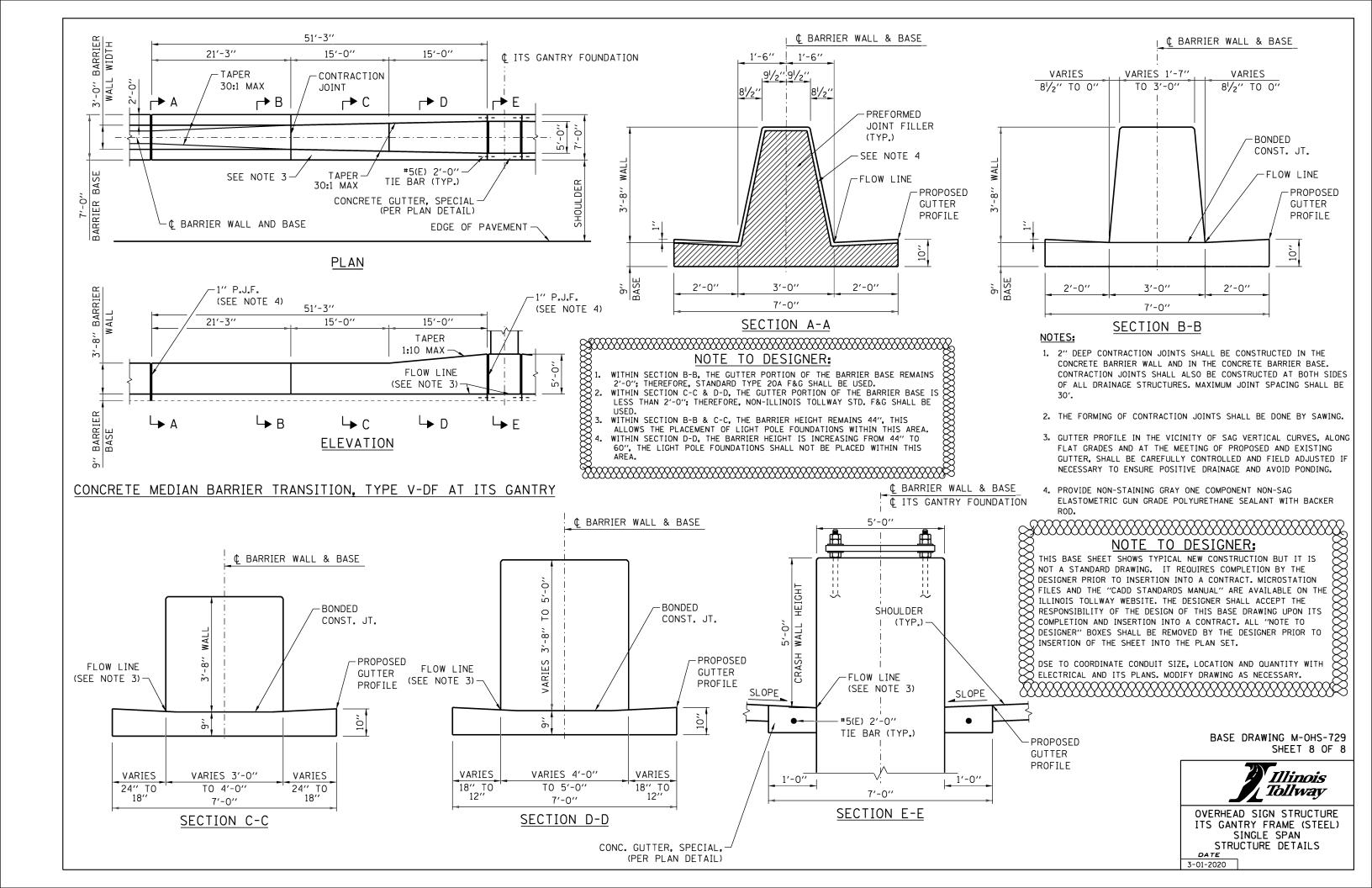


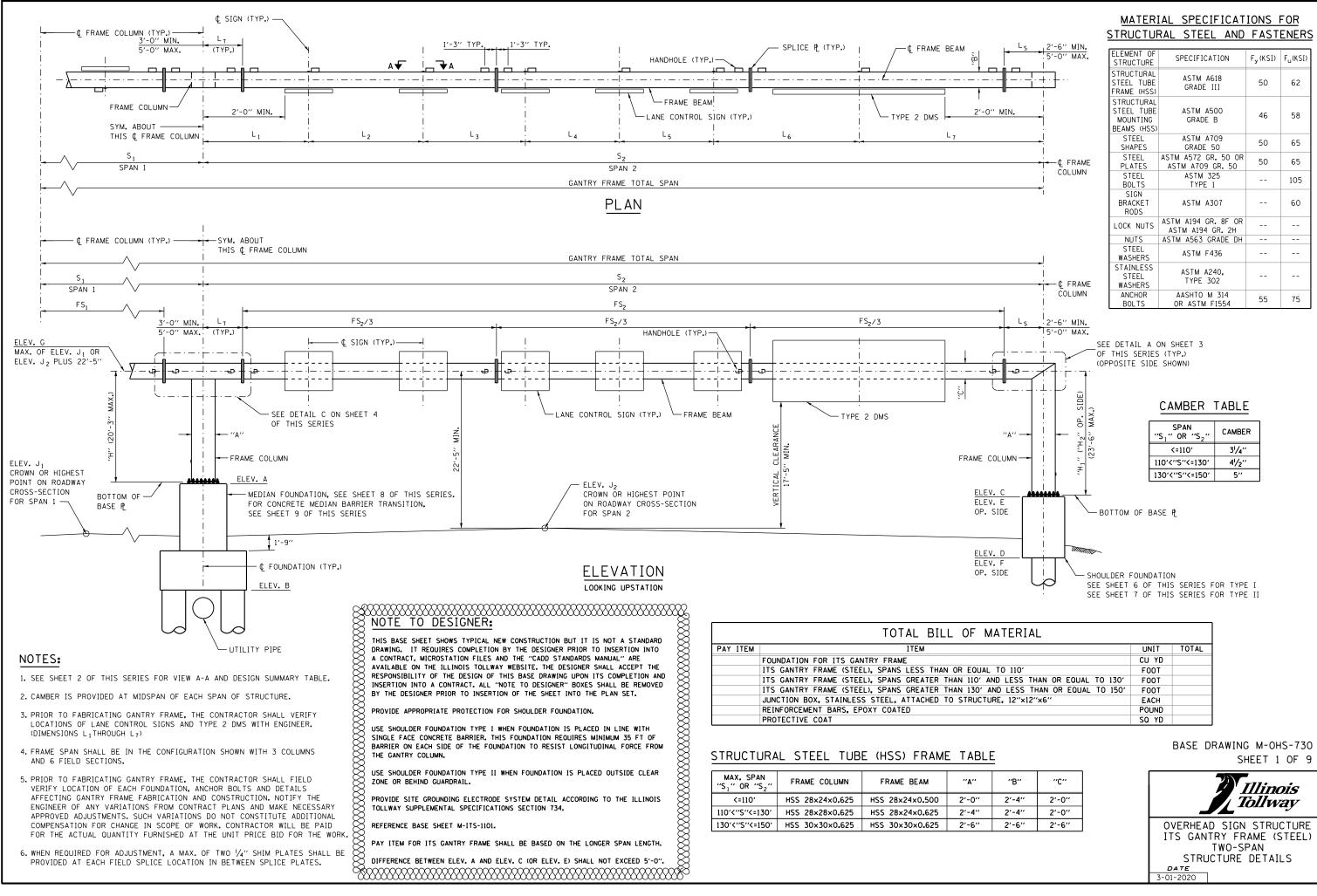
BASE DRAWING M-OHS-729 SHEET 7 OF 8



	-	· · · · · · · · · · · · · · · · · · ·	
SS BS	CLASS DS	REINF.	PROTECTIVE
CRETE	CONCRETE	BARS	COAT
I YD)	(CU YD)	(LB)	(SQ YD)
7.0	26.0	9,120	9
7.0	32.0	9,190	9
7.0	32.0	10,480	9

OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) SINGLE SPAN STRUCTURE DETAILS DATE 3-01-2020





Ά"	"B"	"с"
-0''	2'-4''	2'-0''
-4''	2'-4''	2'-0''
-6"	2'-6''	2'-6''

## GENERAL NOTES:

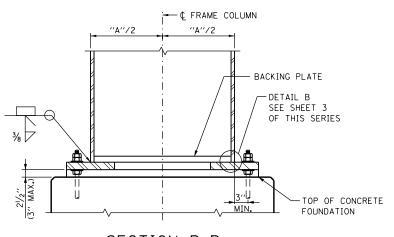
1. ALL EXPOSED CONCRETE EDGES SHALL HAVE A  $\frac{3}{4}$ " × 45° CHAMFER, EXCEPT WHERE SHOWN OTHERWISE. CHAMFER ON VERTICAL EDGES SHALL BE CONTINUED A MINIMUM OF ONE FOOT BELOW FINISHED GROUND LEVEL.

## **REINFORCEMENT BARS:**

- 1. REINFORCEMENT BARS, INCLUDING REINFORCEMENT BARS, EPOXY-COATED SHALL CONFORM TO THE REQUIREMENTS OF IDOT STANDARD SPECIFICATIONS SECTION 508 AND ARTICLE 1006.10.
- 2. REINFORCEMENT BARS DESIGNATED "(E)" SHALL BE EPOXY-COATED.
- 3. REINFORCEMENT BENDING DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES".
- 4. REINFORCEMENT BAR BENDING DIMENSIONS ARE OUT-TO-OUT.
- 5. COVER FROM THE FACE OF CONCRETE TO FACE OF REINFORCEMENT BARS SHALL BE 3" FOR SURFACES FORMED AGAINST EARTH AND 2" FOR ALL OTHER SURFACES UNLESS OTHERWISE SHOWN.

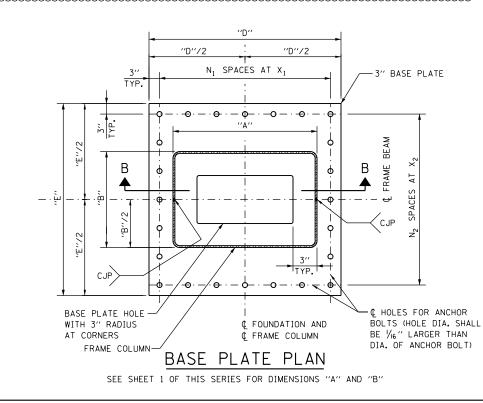
## CONSTRUCTION SPECIFICATIONS:

- 1. ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS ISSUED MARCH, 2015 TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- 2. ILLINOIS DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2015.
- 3. ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2012.



SECTION B-B

NOTE TO DESIGNER:
 THIS BASE SHEET SHOWS TYPICAL NEW CONSTRUCTION BUT IT IS NOT A STANDARD DRAWING. IT REQUIRES COMPLETION BY THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT. MICROSTATION FILES AND THE "CADD STANDARDS MANUAL" ARE AVAILABLE ON THE ILLINOIS TOLLWAY WEBSITE. THE DESIGNER SHALL ACCEPT THE RESPONSIBILITY OF THE DESIGN OF THIS BASE DRAWING UPON ITS COMPLETION AND INSERTION INTO A CONTRACT. ALL "NOTE TO DESIGNER" BOXES SHALL BE REMOVED BY THE DESIGNER PRIOR TO INSERTION OF THE SHEET INTO THE PLAN SET.
 A BORING IS REQUIRED AT EACH FOUNDATION LOCATION.
 NO STANDARD DRILLED SHAFT FOUNDATIONS WERE DESIGNED OR DETAILED FOR COHESIONLESS SOIL CONDITIONS. REGARDLESS, THE DESIGNER MUST CONDUCT A SUBSURFACE INVESTIGATION AT EACH OVERHEAD SIGN STRUCTURE FOUNDATION TO DETERMINE THE ACTUAL SOIL PROPERTIES. SHOULD THE INVESTIGATION REVEAL THE PRESENCE OF COHESIONLESS SOIL OR COHESIVE SOLS WITH PROPERTIES LESS THAN THE AVERAGES INDICATED IN THIS STANDARD, THE DESIGNER SHALL DESIGN AND DETAIL THE DRILLED SHAFT FOUNDATIONS TO MEET THE ACTUAL SOIL PROPERTIES. SHOULD THE INVESTIGATION REVEAL THE PRESENCE OF COHESIONLESS SOIL OR COHESIVE SOLS WITH PROPERTIES AND THE AVERAGES INDICATED IN THIS STANDARD, THE DESIGNER SHALL DESIGN AND DETAIL THE DRILLED SHAFT FOUNDATIONS TO MEET THE ACTUAL SOIL CONDITIONS.
 DESIGN AND CONSTRUCTION SPECIFICATIONS: THE DESIGNER IS RESPONSIBLE FOR UPDATING THE EDITION OF SPECIFICATIONS AND THE DATE OF PUBLICATION TO THE EDITION OF SPECIFICATIONS AND THE DATE OF PUBLICATION USED IN DESIGN.
 DESIGNER TO ENSURE ALL LATEST CODE REQUIREMENTS ARE MET.
 DESIGNER TO DETERMINE THAT APPLIED LOADS DO NOT EXCEED DESIGN VALUES.



## DESIGN SUMMARY

STRUCTURE	STATION	$\begin{array}{c c} S_1 \\ (FT) \end{array} S_2 \\ (FT) \end{array} & \begin{array}{c} TOTAL \\ SPAN \\ (FT) \end{array} & \begin{array}{c} TTTAL \\ SPAN \\ (TTTAL \\ SPAN \\ (TTTAL ) \end{array} & \begin{array}{c} TTTAL \\ SPAN \\ (TTTAL \\ SPAN \\ (TTTAL ) \end{array} & \begin{array}{c} TTTAL \\ SPAN \\ (TTTAL$				FS,	FS₂			н	н,	Н2 —	CONCRETE	CU YD)										
STRUCTURE NUMBER	STATION	(F T)	(F T)	SPAN (FT)	Α	В	С	D	E	F	G	J <sub>1</sub>	J <sub>2</sub>	TYPE	CLEARANCE	r 3 <sub>1</sub>	F 32	LS	LT		1	<sup>17</sup> 2 C	CLASS BS CLASS	
																						TOTAL		

STRUCTURE	CTATION		SPAN 1							SPAN 2						
STRUCTURE NUMBER	STATION	L <sub>7</sub>	L <sub>6</sub>	L <sub>5</sub>	L <sub>4</sub>	L <sub>3</sub>	L <sub>2</sub>	L <sub>1</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>	L <sub>5</sub>	L <sub>6</sub>	L <sub>7</sub>	
		_														

# DESIGN LOADING:

WIND LOAD CRITER SIGN PANEL COLUMN/BEAM TYPE 2 DMS

## EQUIPMENT LOADS:

LANE CONTROL SIGN TYPE 2 DMS AND 4-LANE CONTROL SIGNS.

## DESIGN STRESSES FOR REINFORCED CONCRETE:

## **DESIGN SPECIFICATIONS:**

## BASE PLATE TABLE - TYPE N

MAX. SPAN "S <sub>1</sub> " OR "S <sub>2</sub> "	"D"	"E"	Ν <sub>1</sub>	<b>x</b> <sub>1</sub>	N <sub>2</sub>	x <sub>2</sub>	ANCHOR BOLT DIAMETER	NO. ANCHOR BOL T
<=110'	3'-2''	3'-5''	4	8"	5	7''	1¾"	18
110'<''S''<=130'	3'-5''	3'-6''	5	7"	6	6"	1¾"	22
130'<''S''<=150'	3'-71/2''	3'-6''	5	7½″	6	6"	1¾"	22

LIERIA			
	40 P.S.F.	BASIC WIND SPEED	90 M.P.H.
М	40 P.S.F.	G	1.14
	42 P.S.F.	Ir (WIND IMPORTANCE FACTOR)	1.0
		K <sub>z</sub>	1.0

TL-5 DESIGN REQUIREMENTS, WHERE APPLICABLE FOR FOUNDATION ONLY, PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SIXTH EDITION WITH CURRENT INTERIMS.

460 LB. MAX. (5'-0" H. X 6'-1" W. X 1'-2" D. MAX.)

1,800 LB. MAX. (8'-0" H. X 22'-0" W. X 1'-2" D. MAX.) ITS GANTRY FRAMES ARE DESIGNED FOR MAX. LOADING IN EACH SPAN OF 2-TYPE 2 DMS

ITS GANTRY FOUNDATIONS ARE DESIGNED FOR MAX. LOADING IN EACH SPAN OF 3-TYPE 2 DMS AND 1-LANE CONTROL SIGN IN EACH ADDITIONAL 12' LANE.

f'c = COMPRESSIVE STRENGTH OF CONCRETE (CLASS BS) = 4,000 P.S.I. f'c = COMPRESSIVE STRENGTH OF CONCRETE (CLASS DS) = 4,000 P.S.I. fy = YIELD STRENGTH OF REINFORCEMENT BARS (GRADE 60) = 60,000 P.S.I.

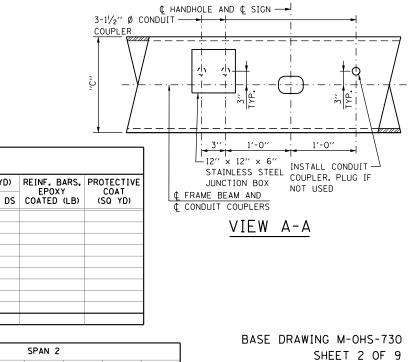
1. ILLINOIS TOLLWAY STRUCTURE DESIGN MANUAL ISSUED MARCH, 2019.

2. AASHTO STANDARD SPECIFICATION FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS, SIXTH EDITION.

3. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SIXTH EDITION WITH CURRENT INTERIMS.

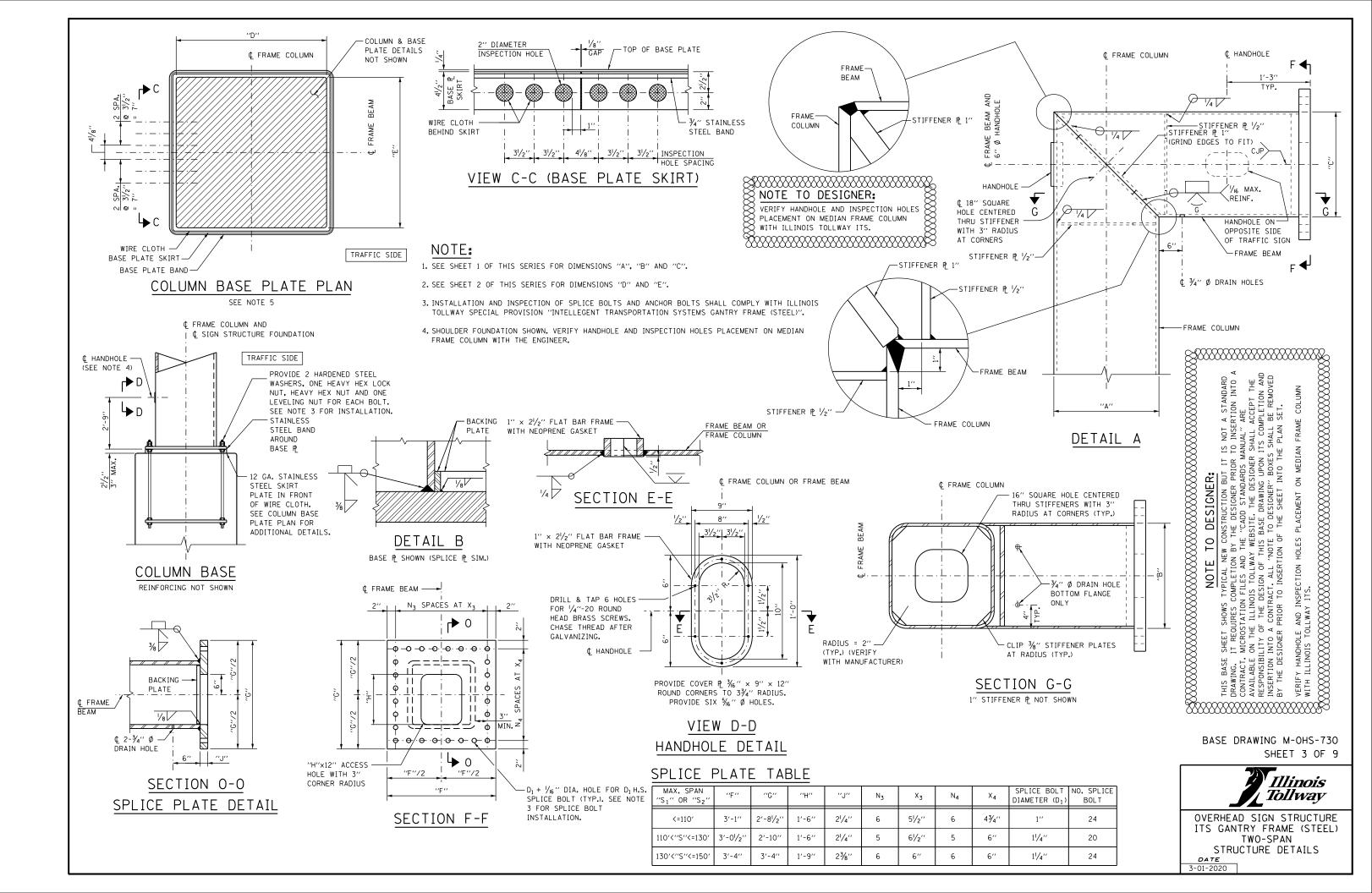
4. ILLINOIS DEPARTMENT OF TRANSPORTATION BRIDGE MANUAL, JANUARY 2012.

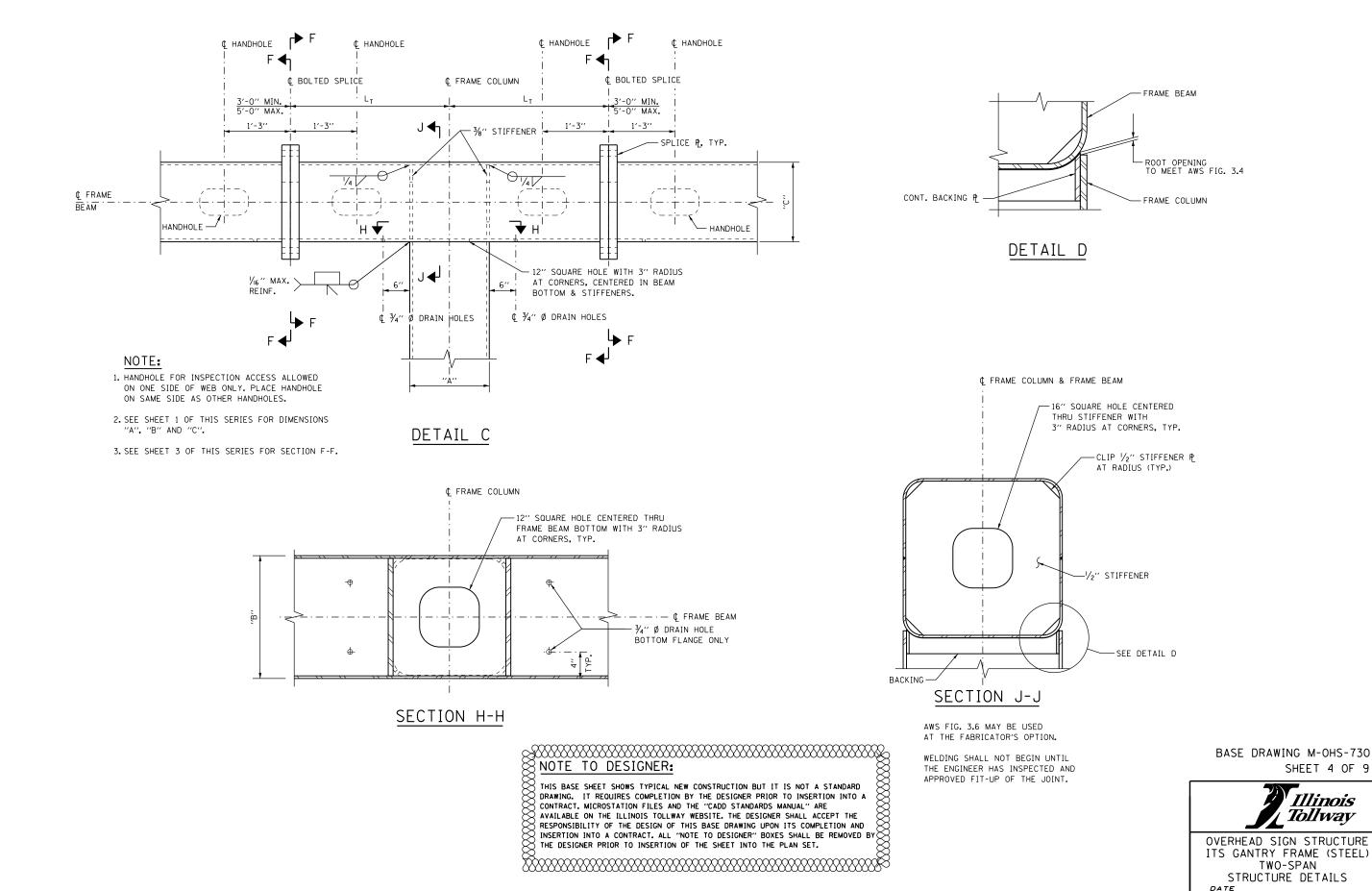
5. ILLINOIS TOLLWAY GEOTECHNICAL ENGINEER MANUAL DATED MARCH 2019.



SHEET 2 OF 9
Illinois Tollway
OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS

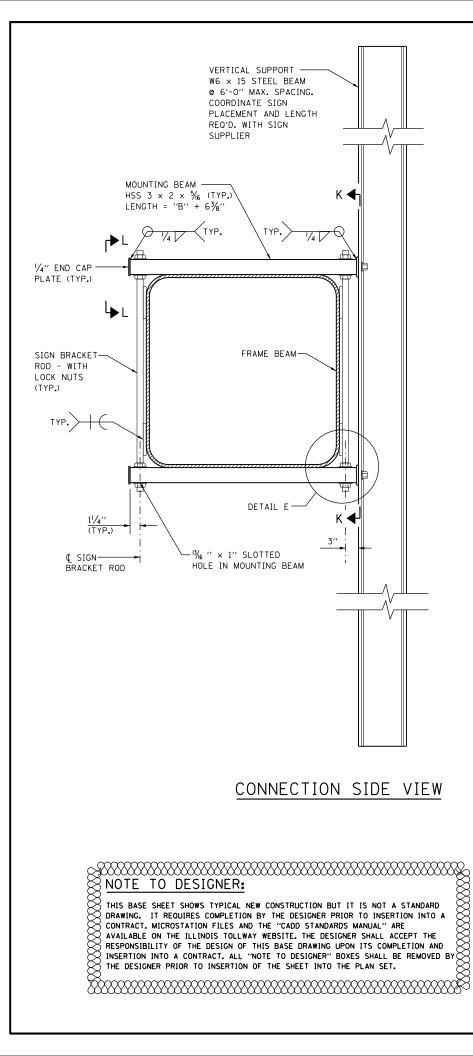
DATE 3-01-2020

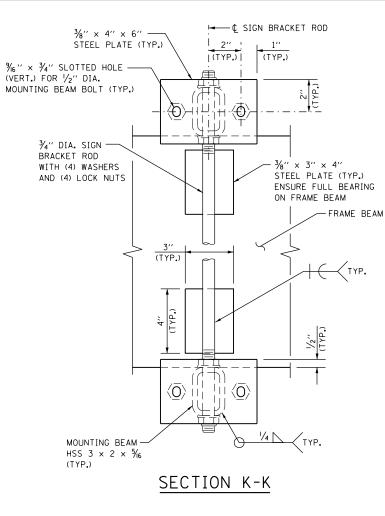




SHEET 4 OF 9

ITS GANTRY FRAME (STEEL) *DATE* 3-01-2020





## VERTICAL SUPPORT TABLE

W6×15										
SIGN	SIGN WIDTH									
GREATER THAN	LESS THAN OR EQUAL TO	VERTICAL SUPPORTS REQUIRED								
	8'-0''	2								
8'-0''	14'-0''	3								
14'-0''	20'-0''	4								
201-011	26'-0''	5								

# NOTES:

- 1. CONNECTION DETAIL IS APPLICABLE TO DMS AND LANE CONTROL SIGN.
- 2. VERIFY VERTICAL SUPPORT MEMBER LENGTH PRIOR TO FABRICATION.
- 3. DMS MANUFACTURER AND LANE CONTROL SIGN MANUFACTURER SHALL DESIGN, PROVIDE AND INSTALL HORIZONTAL MOUNTING MEMBERS. VERTICAL SPACING OF HORIZONTAL MEMBERS SHALL BE DESIGNED BY MANUFACTURER. VERIFY VERTICAL SPACING WITH HOLES ON W6×15 VERTICAL SUPPORT.
- 4. PROVIDE HIGH STRENGTH BOLTS WITH WASHERS AND LOCK NUTS TO FASTEN DMS AND LANE CONTROL SIGN TO VERTICAL SUPPORT MEMBERS.
- 5. GALVANIZE ALL NON-STAINLESS STEEL PARTS.
- 6. SIGN BRACKET RODS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A307.
- 7. LOCK NUTS SHALL BE STAINLESS STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A194 GRADE 8F OR ASTM A194 GRADE 2H.

LOCK NUT WITH NYLON -INSERT AND WASHER. SEE NOTE 8.

> 1/4" × 3" × 4" END CAP PLATE

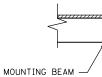
¾" DIA. HEX NUT AND WASHER

<sup>3</sup>/<sub>8</sub>" × 3" × 4" STEEL PLATE

> ¾" DIA. SIGN BRACKET ROD

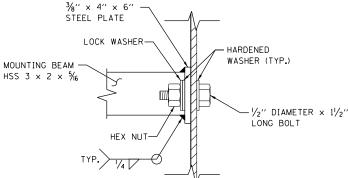
FRAME BEAM-

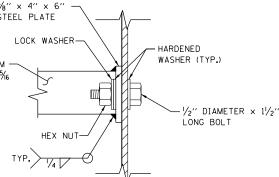
3/8" × 3" × 4" STEEL PLATE

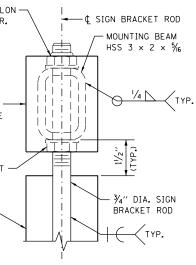


HSS 3 × 2 × 5/6

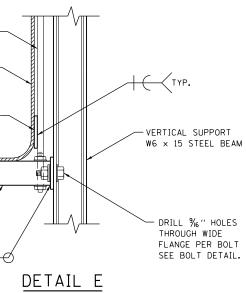








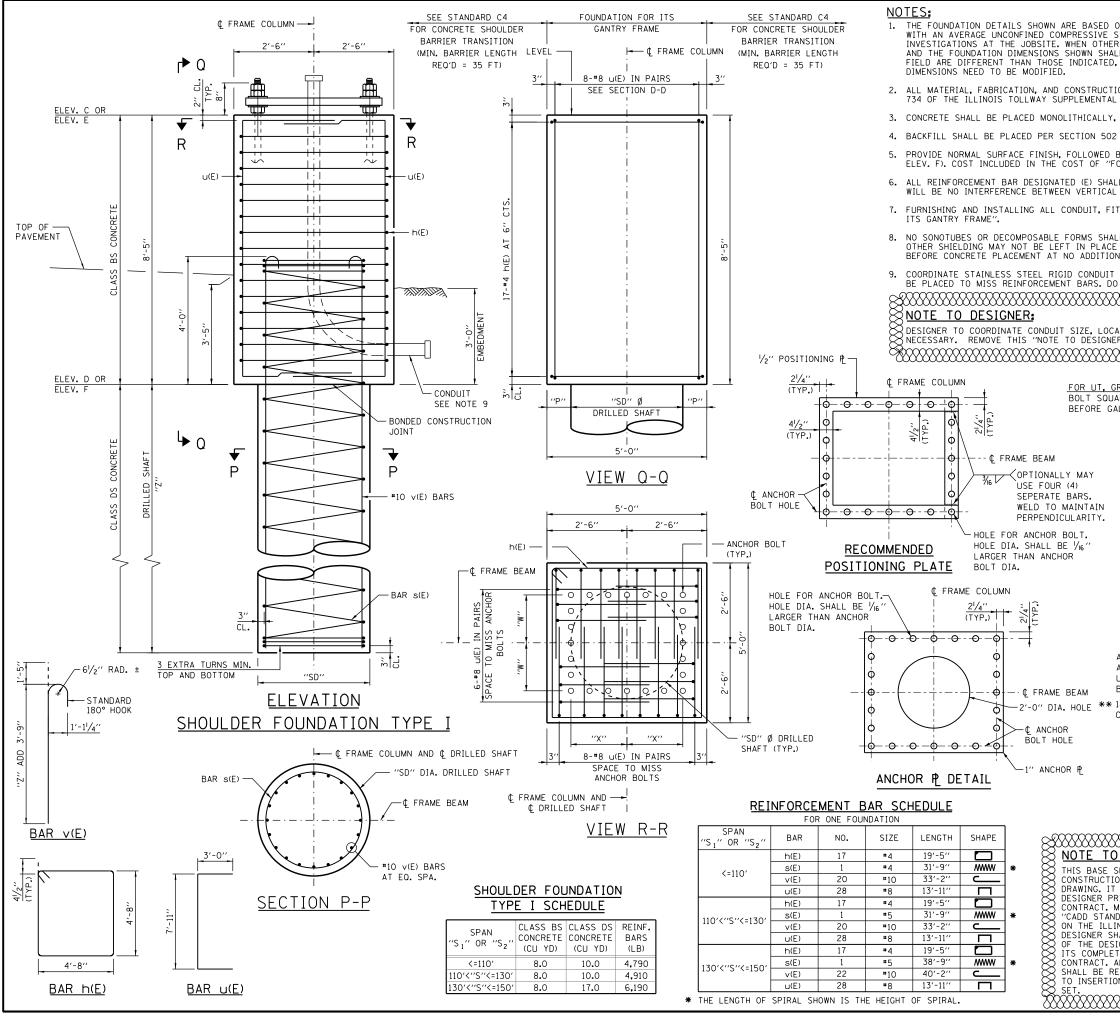
VIEW L-L



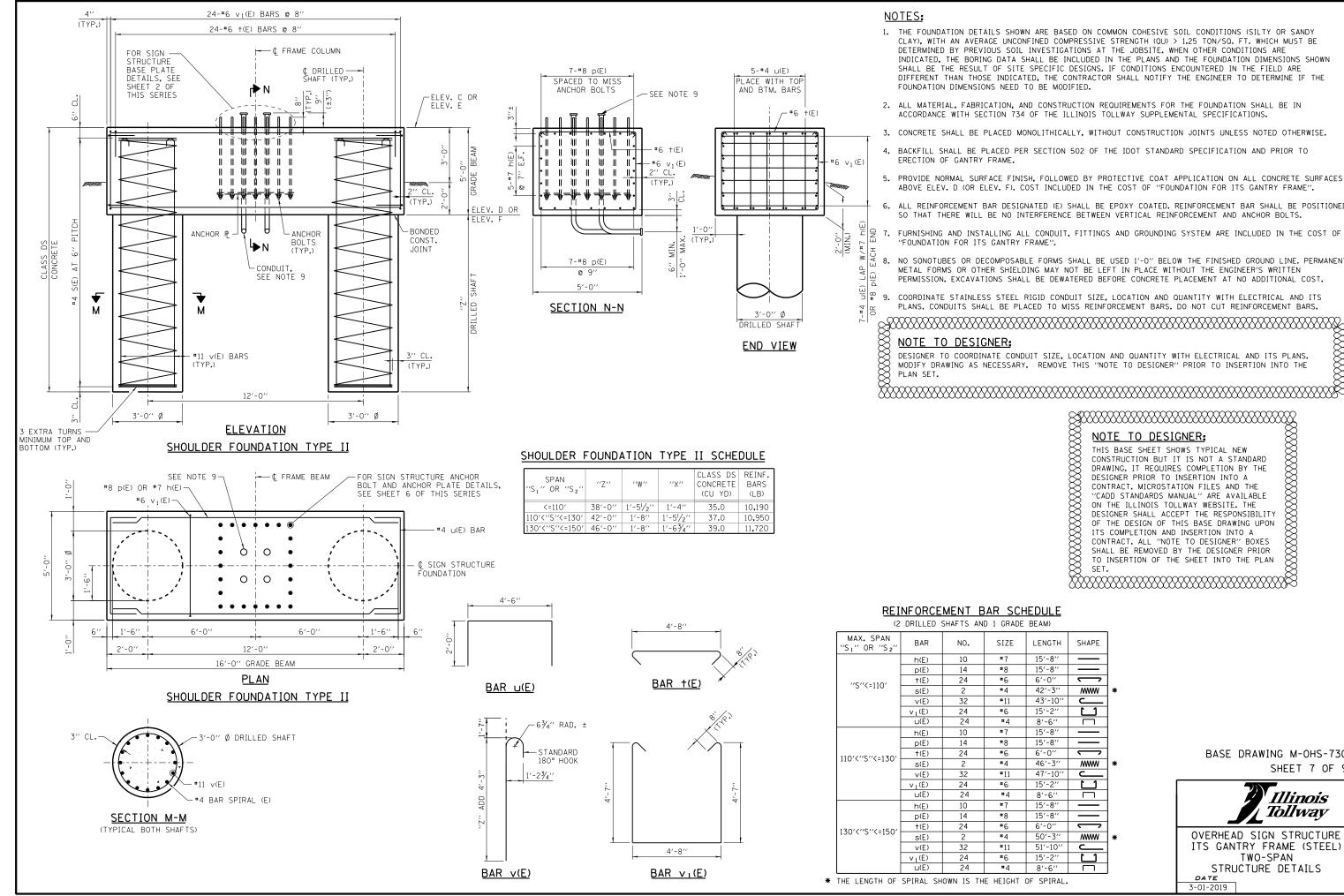
BOLT DETAIL SIGN BRACKET ROD NOT SHOWN FOR CLARITY BASE DRAWING M-OHS-730 SHEET 5 OF 9



OVERHEAD SIGN STRUCTURE ITS GANTRY FRAME (STEEL) TWO-SPAN STRUCTURE DETAILS DATE 3-31-2017



1. THE FOUNDATION DETAILS SHOWN ARE BASED ON THE PRESENCE OF MOSTLY COHESIVE SOIL CONDITIONS (SILTY OR SANDY WITH AN AVERAGE UNCONFINED COMPRESSIVE STRENGTH (QU) > 1.25 TON/SQ. FT. WHICH MUST BE DETERMINED BY PREVIOL INVESTIGATIONS AT THE JOBSITE. WHEN OTHER CONDITIONS ARE INDICATED, THE BORING DATA SHALL BE INCLUDED IN TH AND THE FOUNDATION DIMENSIONS SHOWN SHALL BE THE RESULT OF SITE SPECIFIC DESIGNS. IF CONDITIONS ENCOUNTEREI FIELD ARE DIFFERENT THAN THOSE INDICATED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO DETERMINE IF THE FOU DIMENSIONS NEED TO BE MODIFIED.	JS SOIL E PLANS D IN THE
<ol> <li>ALL MATERIAL, FABRICATION, AND CONSTRUCTION REQUIREMENTS FOR THE FOUNDATIONS SHALL BE IN ACCORDANCE WITH S 734 OF THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS.</li> </ol>	SECTION
3. CONCRETE SHALL BE PLACED MONOLITHICALLY, WITHOUT CONSTRUCTION JOINTS UNLESS NOTED OTHERWISE.	
4. BACKFILL SHALL BE PLACED PER SECTION 502 OF THE IDOT STANDARD SPECIFICATION AND PRIOR TO ERECTION OF GANTE	RY FRAME.
5. PROVIDE NORMAL SURFACE FINISH, FOLLOWED BY PROTECTIVE COAT APPLICATION ON ALL CONCRETE SURFACES ABOVE ELE ELEV. F). COST INCLUDED IN THE COST OF "FOUNDATION FOR ITS GANTRY FRAME".	.V. D (OR
6. ALL REINFORCEMENT BAR DESIGNATED (E) SHALL BE EPOXY COATED. REINFORCEMENT BAR SHALL BE POSITIONED SO THAT WILL BE NO INTERFERENCE BETWEEN VERTICAL REINFORCEMENT AND ANCHOR BOLTS.	THERE
<ol> <li>FURNISHING AND INSTALLING ALL CONDUIT, FITTINGS AND GROUNDING SYSTEM ARE INCLUDED IN THE COST OF "FOUNDATIC ITS GANTRY FRAME".</li> </ol>	ON FOR
8. NO SONOTUBES OR DECOMPOSABLE FORMS SHALL BE USED 1'-O" BELOW THE FINISHED GROUND LINE. PERMANENT METAL FO OTHER SHIELDING MAY NOT BE LEFT IN PLACE WITHOUT THE ENGINEER'S WRITTEN PERMISSION. EXCAVATIONS SHALL BE DI BEFORE CONCRETE PLACEMENT AT NO ADDITIONAL COST.	
9. COORDINATE STAINLESS STEEL RIGID CONDUIT SIZE, LOCATION AND QUANTITY WITH ELECTRICAL AND ITS PLANS. CONDUIT BE PLACED TO MISS REINFORCEMENT BARS. DO NOT CUT REINFORCEMENT BARS.	S SHALL
Sexxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	
NOTE TO DESIGNER:	
NECESSARY. REMOVE THIS "NOTE TO DESIGNER" PRIOR TO INSERTION INTO THE PLAN SET.	, Š
¢ FRAME COLUMN FOR UT, GRIND TOP OF NUTS WITH LEVELING NUTS OR OTHER E	
Operation     Operation     Bolt square and smooth     Approved methods to maintain ancho alignment during concrete placemen	
EXTRA NUTS AND OTHER POSITIONING AN CONTRACTOR'S PROPERTY. COST INCLUDE "FOUNDATION FOR ITS CANTRY FRAME".	
SEPERATE BARS. $\delta$ Weld to maintain $\psi$ $-\Theta - \Theta - \Theta - \Theta - \Theta$ Weld to maintain $\psi$ Multiplication of the second secon	
HOLE FOR ANCHOR BOLT.	
MENDED HOLE DIA. SHALL BE 1/6" HEAVY HEX NUT &	
IING PLATE BOLT DIA.	
$\frac{2^{1}/4^{\prime\prime}}{(TYP_{e})^{1+\epsilon}} \approx \frac{2^{1}}{2^{\epsilon}} \qquad $	-
	)
$\frac{ANCHOR BOLT DETAIL}{ANCHOR BOLTS SHALL CONFORM TO ASSUTE WITH OR ASTM ELECT CRADE E$	55
ANCHOR BOLTS SHALL CONFORM TO AASHTO M314 OR ASTM F1554 GRADE 5 AND MEET CHARPY V-NOTCH (CVN) ENERGY OF 15 LBFT. AT 40° F. GALVA	ANIZE
(+) $+$ $++$ $++$ $+-+$ $+-+$ $+-+$ $+-+$ $+-+$ $+-+$ $+-++$ $+-++$ $+-+++$ $++++++$ $++++++++++$	
2'-0" DIA. HOLE ** 18" IS MINIMUM TO BE GALVANZIED. ENTIRE BOLT MAY BE GALVANIZED AT	ſ
C ANCHOR BOLT HOLE SHOULDER FOUNDATION TYPE I TABLE	
	NO.
SPAN         "W"         "X"         "Z"         "SD"         "P"         SED SED           NCHOR P DETAIL         "S1" OR "S2"         "W"         "X"         "Z"         "SD"         "P"         SED PITCH	ANCHOR
<pre></pre>	1 BOL I 18
SCHEDULE         110'<"S''<=130'         1'-6''         1'-5'/2''         28'-0''         3'-6''         9''         5''           MINN         130'<"S''<=150'	22 22
	HS-730
#4       19'-5''       Image: Construction But it is not a standard by the constructing and the constructing by the constructing and the constructing by	3 OF 9
*10     55     2       *8     13'-11"     DRAWING, IT REQUIRES COMPLETION BY THE       DESIGNER PRIOR TO INSERTION INTO A	
DESIGNER PRIOR TO INSERTION INTO A     CONTRACT. MICROSTATION FILES AND THE     "CADD STANDARDS MANUAL" ARE AVAILABLE     ON THE ILLINDIS TOLLWAY WERSITE THE	UIS VAV
*10       33'-2''         *8       13'-11''	2
•4 19'-5" OF THE DESIGN OF THIS BASE DRAWING UPON OVERHEAD SIGN STRU	
*10 40'-2" C SHALL BE REMOVED BY THE DESIGNER PRIOR STOLET OF THE SHEET INTO THE PLAN STOLET OF THE	
#8       13'-11"       D       STRUCTURE       DETA         EIGHT OF SPIRAL.       XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	IL S
ELGHT OF SPIRAL. ()(00000000000000000000000000000000000	



1. THE FOUNDATION DETAILS SHOWN ARE BASED ON COMMON COHESIVE SOIL CONDITIONS (SILTY OR SANDY CLAY), WITH AN AVERAGE UNCONFINED COMPRESSIVE STRENGTH (QU) > 1.25 TON/SO. FT. WHICH MUST BE DETERMINED BY PREVIOUS SOIL INVESTIGATIONS AT THE JOBSITE. WHEN OTHER CONDITIONS ARE INDICATED, THE BORING DATA SHALL BE INCLUDED IN THE PLANS AND THE FOUNDATION DIMENSIONS SHOWN SHALL BE THE RESULT OF SITE SPECIFIC DESIGNS. IF CONDITIONS ENCOUNTERED IN THE FIELD ARE DIFFERENT THAN THOSE INDICATED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO DETERMINE IF THE

2. ALL MATERIAL, FABRICATION, AND CONSTRUCTION REQUIREMENTS FOR THE FOUNDATION SHALL BE IN ACCORDANCE WITH SECTION 734 OF THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS.

3. CONCRETE SHALL BE PLACED MONOLITHICALLY, WITHOUT CONSTRUCTION JOINTS UNLESS NOTED OTHERWISE.

BACKFILL SHALL BE PLACED PER SECTION 502 OF THE IDOT STANDARD SPECIFICATION AND PRIOR TO

PROVIDE NORMAL SURFACE FINISH, FOLLOWED BY PROTECTIVE COAT APPLICATION ON ALL CONCRETE SURFACES ABOVE ELEV. D (OR ELEV. F). COST INCLUDED IN THE COST OF "FOUNDATION FOR ITS GANTRY FRAME".

ALL REINFORCEMENT BAR DESIGNATED (E) SHALL BE EPOXY COATED. REINFORCEMENT BAR SHALL BE POSITIONED SO THAT THERE WILL BE NO INTERFERENCE BETWEEN VERTICAL REINFORCEMENT AND ANCHOR BOLTS.

7. FURNISHING AND INSTALLING ALL CONDUIT, FITTINGS AND GROUNDING SYSTEM ARE INCLUDED IN THE COST OF

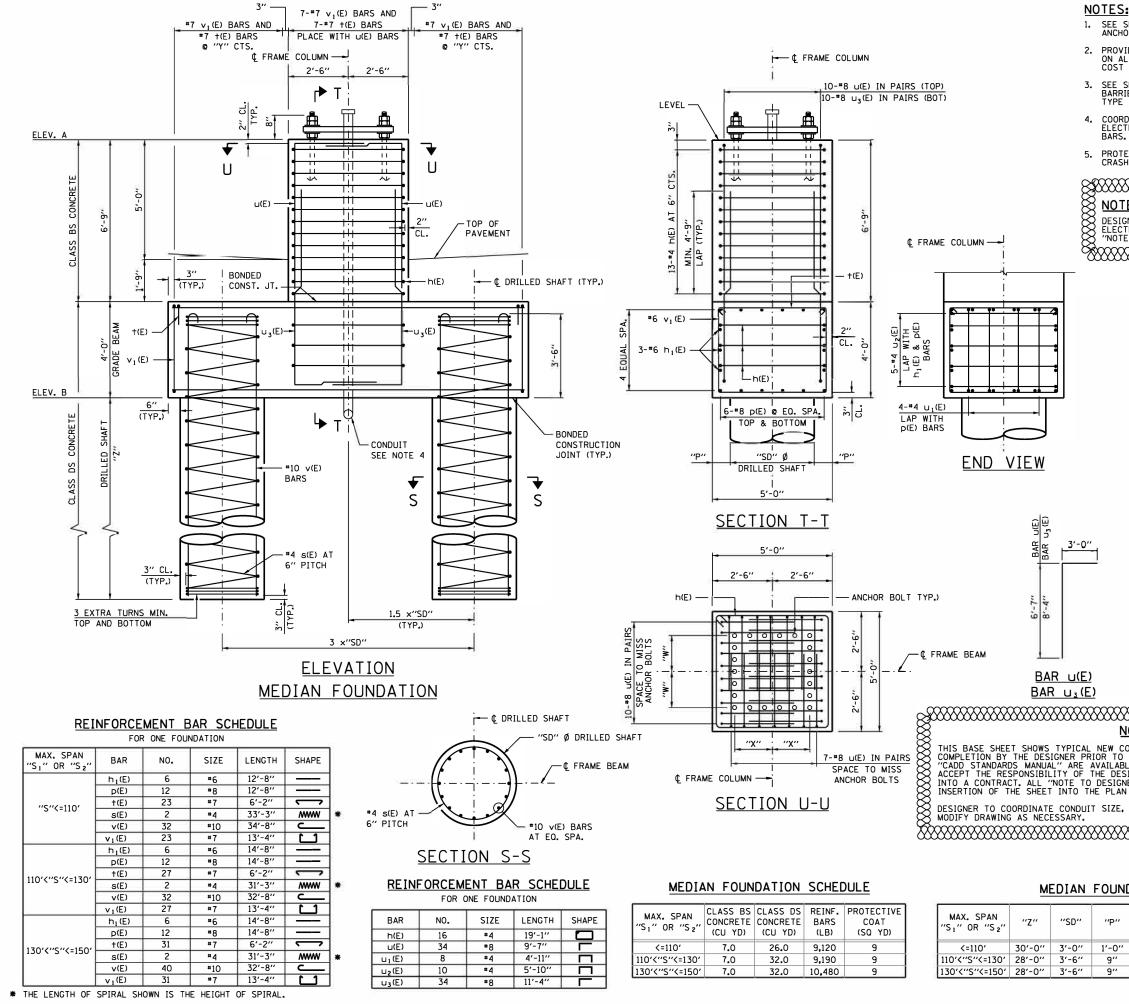
NO SONOTUBES OR DECOMPOSABLE FORMS SHALL BE USED 1'-O" BELOW THE FINISHED GROUND LINE. PERMANENT METAL FORMS OR OTHER SHIELDING MAY NOT BE LEFT IN PLACE WITHOUT THE ENGINEER'S WRITTEN PERMISSION. EXCAVATIONS SHALL BE DEWATERED BEFORE CONCRETE PLACEMENT AT NO ADDITIONAL COST.

COORDINATE STAINLESS STEEL RIGID CONDUIT SIZE, LOCATION AND QUANTITY WITH ELECTRICAL AND ITS PLANS. CONDUITS SHALL BE PLACED TO MISS REINFORCEMENT BARS. DO NOT CUT REINFORCEMENT BARS.

DESIGNER TO COORDINATE CONDUIT SIZE, LOCATION AND QUANTITY WITH ELECTRICAL AND ITS PLANS. MODIFY DRAWING AS NECESSARY. REMOVE THIS "NOTE TO DESIGNER" PRIOR TO INSERTION INTO THE

NOTE TO DESIGNER: THIS BASE SHEET SHOWS TYPICAL NEW CONSTRUCTION BUT IT IS NOT A STANDARD DRAWING. IT REQUIRES COMPLETION BY THE DESIGNER PRIOR TO INSERTION INTO A CONTRACT. MICROSTATION FILES AND THE "CADD STANDARDS MANUAL" ARE AVAILABLE ON THE ILLINOIS TOLLWAY WEBSITE. THE DESIGNER SHALL ACCEPT THE RESPONSIBILITY OF THE DESIGN OF THIS BASE DRAWING UPON ITS COMPLETION AND INSERTION INTO A CONTRACT, ALL "NOTE TO DESIGNER" BOXES SHALL BE REMOVED BY THE DESIGNER PRIOR TO INSERTION OF THE SHEET INTO THE PLAN SET.

	I GRADE	BEAM)		_	
	SIZE	LENGTH	SHAPE		
t	#7	15'-8''			
t	#8	15'-8''			
T	<b>#</b> 6	6'-0''	$\overline{)}$	1	
T	#4	42'-3''	www	*	
T	#11	43'-10''			
T	<b>#</b> 6	15'-2''	<u> </u>	1	
T	#4	8'-6''		1	
T	#7	15'-8''		1	
Τ	<b>#</b> 8	15'-8''			
Т	<b>#</b> 6	6'-0''	Ĵ		BASE DRAWING M-OHS-73
Ι	#4	46'-3''	MMW	*	SHEET 7 OF 9
Τ	#11	47'-10''			SHEET T OF 9
Τ	<b>#</b> 6	15'-2''	Ľ		
	<b>#</b> 4	8'-6''			llinois
	<b>#</b> 7	15'-8''		_ _ _ _ *	Tollway
	#8	15'-8''			
	<b>#</b> 6	6'-0''	$\overline{\ }$		
	#4	50'-3''	MMW		OVERHEAD SIGN STRUCTURE
	#11	51'-10''			ITS GANTRY FRAME (STEEL)
	<b>#</b> 6	15'-2''	Ľ		TWO-SPAN
	<b>#</b> 4	8'-6''		]	STRUCTURE DETAILS
HE	E HEIGHT	OF SPIRAL.			DATE
					3-01-2019



SEE SHEET 6 OF THIS SERIES FOR FOUNDATION NOTES, DESIGN CRITERIA, ANCHOR BOLT DETAIL AND ANCHOR PLATE DETAIL.

PROVIDE NORMAL SURFACE FINISH, FOLLOWED BY PROTECTIVE COAT APPLICATION ON ALL CONCRETE SURFACES ABOVE TOP OF GRADE BEAM. COST INCLUDED IN THE COST OF "FOUNDATION FOR ITS GANTRY FRAME".

 SEE SHEET 9 OF THIS SERIES FOR CONCRETE MEDIAN BARRIER TRANSITION. COST OF BARRIER TRANSITION INCLUDED IN COST OF "CONCRETE MEDIAN BARRIER TRANSITION. TYPE V-F".

COORDINATE STAINLESS STEEL RIGID CONDUIT SIZE, LOCATION AND QUANTITY WITH ELECTRICAL AND ITS PLANS, CONDUITS SHALL BE PLACED TO MISS REINFORCEMENT BARS. DO NOT CUT REINFORCEMENT BARS.

5. PROTECTIVE COAT SHALL BE APPLIED TO TRAFFIC AND TOP FACES OF CONCRETE CRASHWALL.

# NOTE TO DESIGNER: "NOTE TO DESIGNER" PRIOR TO INSERTION INTO THE PLAN SET. -RAD. 61/2"± "N" STANDARD 180° HOOK BAR U1(E) BAR V(E) BAR u<sub>2</sub>(E) BAR "M" "N" T(TYP.) u1(E) 3'-7'' 8'' 4'-6'' u<sub>2</sub> (E) 8'' BAR +(E) 9'-1/2" 4'-8'' 4'-8'' BAR $v_1(E)$ BAR h(E) Dimension BASE DRAWING M-OHS-730 SHEET 8 OF 9 MEDIAN FOUNDATION TABLE Illinois Tollway

3-01-2020

"P"	"w"	"x"	"Y"	NO. ANCHOR BOL T	Tollway
1'-0''	1'-51/2"	1'-4''	6"	18	OVERHEAD SIGN STRUCTURE
9"	1'-6''	1'-51/2"	6"	22	ITS GANTRY FRAME (STEEL)
9"	1'-6''	1'-6¾"	5"	22	TWO-SPAN STRUCTURE DETAILS
					DATE

