NO.	DESCRIPTION OF REVISION - REVISED DETAILS	MADE BY - JOT	DATE - 10/26
2			
1			

GENERAL NOTES:

ARIZONA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, EDITION OF 2021.

DESIGN SPECIFICATIONS – AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION. AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2009.

LIVE LOAD – 90 POUNDS PER SQUARE FOOT.

WIND LOAD – 50 PSF APPLIED TO ENTIRE VERTICAL TRUSS SURFACE AND ENTIRE LENGTH

SEISMIC DESIGN CATEGORY B

ALL CONCRETE SHALL BE CLASS "S" UNLESS NOTED OTHERWISE.

ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO SPECIFICATION M270 (ASTM A709) GRADE 50, OR ASTM A847 UNLESS NOTED OTHERWISE.

ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY. ANSI/AASHTO/AWS D1.5–96 BRIDGE WELDING CODE.

REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A615. ALL REINFORCING SHALL BE FURNISHED AS GRADE 60.

ALL BENDS AND HOOKS SHALL MEET THE REQUIREMENTS OF AASHTO ARTICLE 5.10.2 ALL BEND DIMENSIONS FOR REINFORCING STEEL SHALL BE OUT–TO–OUT OF BARS. ALL PLACEMENT DIMENSIONS FOR REINFORCING STEEL SHALL BE TO CENTER OF BARS UNLESS NOTED OTHERWISE.

ALL REINFORCING STEEL SHALL HAVE 2 INCH CLEAR COVER UNLESS NOTED OTHERWISE.

STRESSES:

SUPERSTRUCTURE	F'c = 4,500 PSI
ABUTMENTS	F'c = 3,500 PSI
PIERS & DRILLED SHAFTS	F'c = 3,500 PSI
EQUIPMENT PADS	F'c = 3,500 PSI
ALL OTHER CLASS "S" CONCRETE	F'c = 3,500 PSI
GRADE 60	Fy = 60,000 PSI
STRUCTURAL STEEL (NOT INCLUDING STEEL TRUSS)	Fy = 36,000 PSI

DIMENSIONS SHALL NOT BE SCALED FROM DRAWINGS.

CHAMFER ALL EXPOSED CORNERS ¾" UNLESS NOTED OTHERWISE.

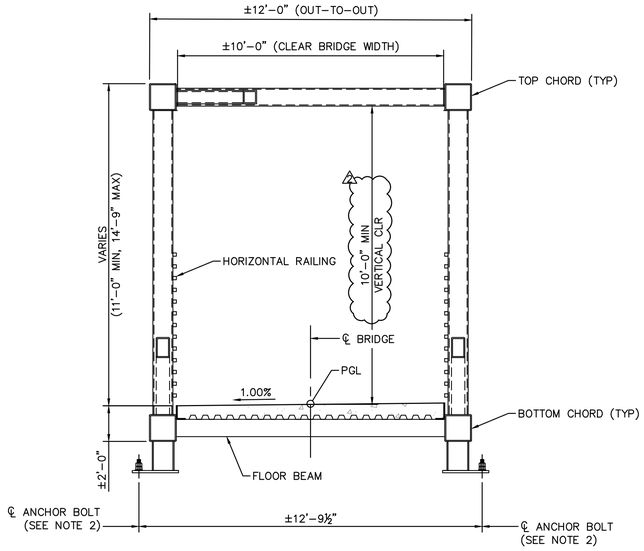
STEEL TRUSS TO BE DESIGNED, FABRICATED, DELIVERED AND ERECTED BY THE FABRICATOR. STEEL TRUSS AND ALL COMPONENTS SHALL BE PAINTED STEEL PER ASTM A847 AND AASHTO M270 GRADE 50, UNLESS NOTED OTHERWISE.

THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SUPERSTRUCTURE DIMENSIONS AND ELEVATIONS, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

STEEL TRUSS SUPERSTRUCTURE SHOWN IS CONCEPTUAL ONLY. CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS ADDRESSING THE FOLLOWING STEEL TRUSS DETAILS: LOCATION AND SIZE OF BEARINGS AND ANCHOR BOLTS, DETAILS FOR ATTACHING TO ABUTMENTS, BRIDGE DEPTH AND PROFILE ADJUSTMENTS OR TRANSITIONS (IF ANY).

COST OF STEEL BRIDGE TRUSS, METAL RAILING, BRIDGE AESTHETICS, METAL HANDRAIL, BEARING DEVICES, ANCHOR BOLTS, DECK JOINT ASSEMBLY, STAY–IN–PLACE METAL DECK FORMS, CONCRETE BRIDGE DECK, SHOP AND WORKING DRAWING PREPARATION, AND WELDING IS ALL INCLUDED IN ITEM 9240050 – MISCELLANEOUS WORK (STEEL TRUSS BRIDGE).

ITEM 9240050 – MISCELLANEOUS WORK (STEEL TRUSS BRIDGE) DOES NOT INCLUDE THE COST OF AESTHETIC TOLLESON LETTERING ON THE BRIDGE. COST OF BRIDGE LETTERING, INCLUDING MATERIALS AND INSTALLATION, IS INCLUDED IN ITEM 9240051 – MISCELLANEOUS WORK (AESTHETIC TOLLESON LETTERING).



BRIDGE TYPICAL SECTION

SCALE: ⅜" = 1'–0"

NOTES:

1. TYPICAL SECTION PROVIDES GENERAL TRUSS CONFIGURATION AND DESIGN REQUIREMENTS.
2. ANCHOR BOLT LAYOUT AND DETAILS SHALL BE COORDINATED WITH PREFABRICATED STEEL TRUSS BRIDGE MANUFACTURER. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
3. BEARING SEAT ELEVATION AT ABUTMENTS SET BASED ON ±2'–8¾" DIMENSION FROM PROFILE GRADE LINE TO BOTTOM OF BRIDGE BEARING PLATES. CONTRACTOR SHALL COORDINATE WITH PREFABRICATED STEEL TRUSS BRIDGE MANUFACTURER AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
4. MINIMUM CLEARANCE IS CALCULATED BASED ON A MAXIMUM DISTANCE OF ±2'–0" FROM PGL TO LOWEST BRIDGE BOTTOM CHORD.

APPROXIMATE QUANTITIES

	STRUCTURAL EXCAVATION	STRUCTURAL BACKFILL			STRUCTURAL STEEL	REINFORCED STEEL	DRILLED SHAFT 48" DIA.
			F'c = 3,500 PSI	F'c = 4,500 PSI			
UNIT	CY	CY	CY	CY	LBS	LBS	L.FT.
ABUTMENT 1	2	2	16			2,400	30
ABUTMENT 2	6	2	16			2,400	30
SUPERSTRUCTURE							
NORTH ELEVATOR SHAFT & MECHANICAL ROOM	16	10	5	9	1,968	5,766	
SOUTH ELEVATOR SHAFT, MECHANICAL ROOM, AND ELECTRICAL ROOM	23	14	8	11	1,151	7,218	
TOTAL	47	28	45	20	3,119	17,784	60
AS–BUILT TOTAL							

MISCELLANEOUS WORK (FULLY GROUTED CONCRETE MASONRY UNIT)	4,362 SQ.FT.
MISCELLANEOUS WORK (STEEL TRUSS BRIDGE)	1 LS
MISCELLANEOUS WORK (AESTHETIC LETTERING)	1 LS
MISCELLANEOUS WORK (WALL AND ROOF FINISHES)	1 LS
MISCELLANEOUS WORK (1½" X 20 GA COMPOSITE STEEL FLOOR DECK)	213 SQ.FT.
MISCELLANEOUS WORK (1½" X 20 GA STEEL ROOF DECK)	254 SQ.FT
MISCELLANEOUS WORK (STEEL STAIRS)	2 EA
MISCELLANEOUS WORK (DMS, 24'–3" X 5'–4")	2 EA
MISCELLANEOUS WORK (PEDESTRIAN FENCE)	43 L.FT.
MISCELLANEOUS WORK (ELEVATOR & MACHINE ROOM EQUIPMENT)	2 EA
MISCELLANEOUS WORK (CONCRETE EQUIPMENT PAD)	3 EA
MISCELLANEOUS WORK (DOORS AND HARDWARE)	3 EA

LEGEND:

DETAIL MARKER — A / # — DETAIL NUMBER / DRAWING NUMBER

SECTION MARKER — A / # — DETAIL NUMBER / DRAWING NUMBER

NOTE: A LINE (–) IN PLACE OF THE DRAWING NUMBER INDICATES THAT THE SECTION OR DETAIL IS LOCATED ON THE SAME DRAWING THAT THE SECTION OR DETAIL IS CUT.

Registered Professional Engineer (Civil) CERTIFICATE NO. 68796 CHARLES H. GOLEK Date Signed 10/26/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	JOT	10/26
DRAWN	JOT	10/26
CHECKED	CHG	10/26

Kimley»Horn

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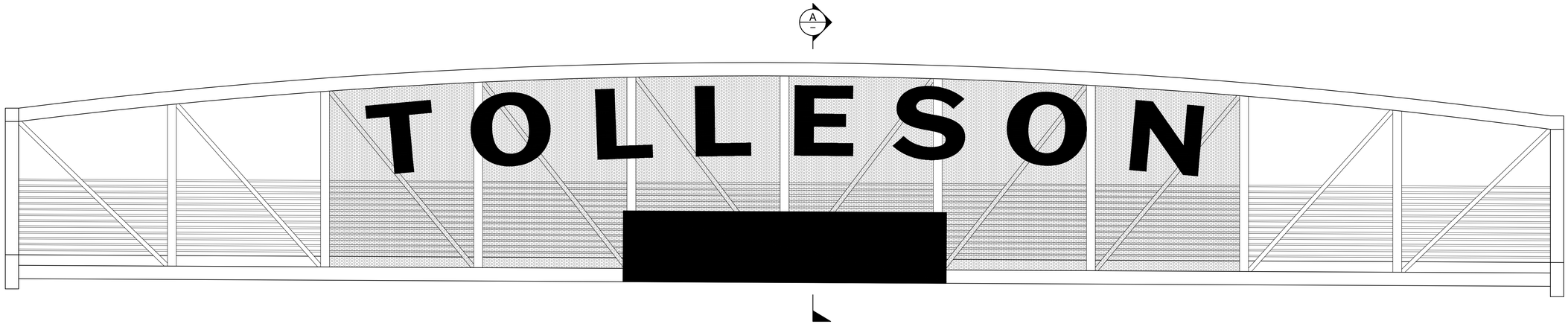
ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
BRIDGE GROUP

BRIDGE GENERAL NOTES & QUANTITIES

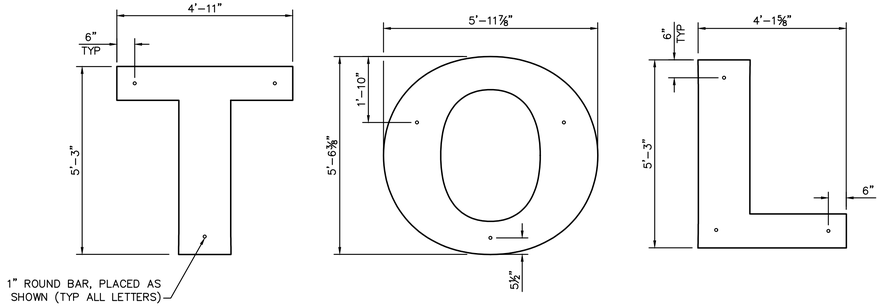
ROUTE	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
-	ARIZ.	0000 MA TOL	CDS TOL-0(200)T	14	70	
MILEPOST	LOCATION	VAN BUREN AT 96TH AVE, TOLLESON			DWG NO.	ST02
STRUCTURE NO.	TRACS NO.	T0619 01C			14 OF 70	

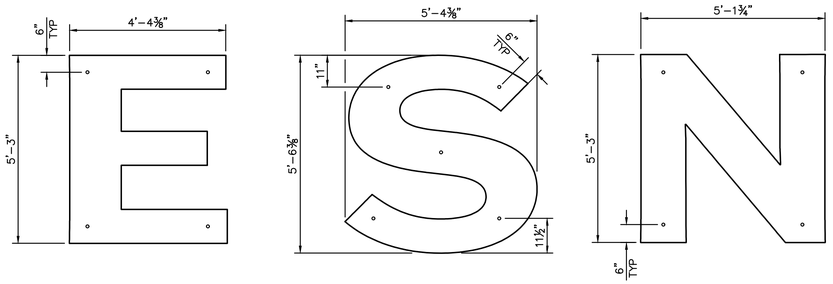
F.H.W.A. Arizona Division

DATE SAVED:10/21/26 K:\PHX_STRUCTURE\291151013 – 96TH AVE PEDESTRIAN BRIDGE\CADD\12–SHEETS\STRUCTURES\291151013_ST05_ALT 2.DWG



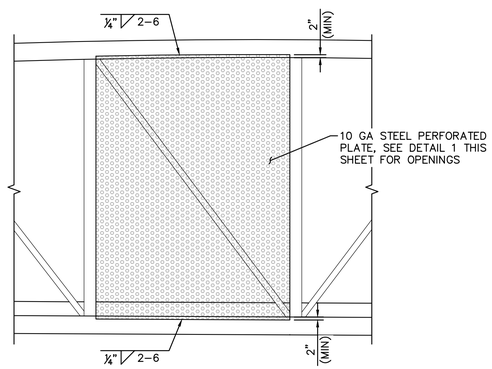
BRIDGE LETTERING
LOOKING EAST
SCALE: ¼" = 1'–0"



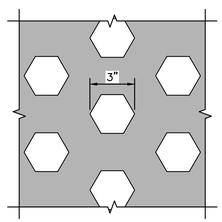


BRIDGE LETTERING
SCALE: ½" = 1'–0"

NOTES:
1. LETTERING FONT IS FRANKLIN GOTHIC ATF
2. ALL LETTERS ARE 10 GA STEEL PLATE, PAINTED WHITE

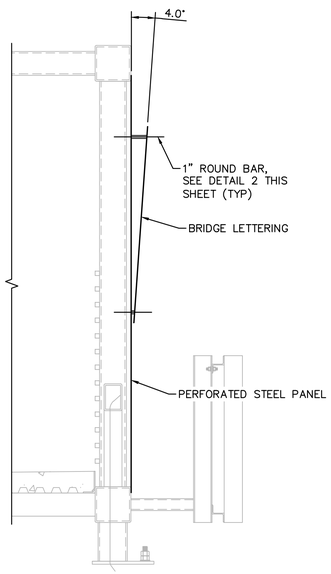


PERFORATED STEEL PANEL
SCALE: ¼" = 1'–0"

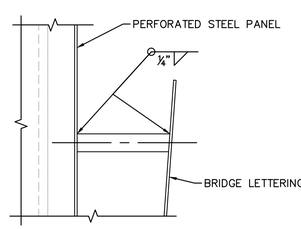


1 DETAIL
SCALE: N.T.S.

2 NOTE: PERFORATED STEEL PANELS SHALL HAVE PAINTED STEEL FINISH. COLOR SHALL BE COORDINATED WITH THE ENGINEER AND THE CITY OF TOLLESON.



A SECTION
SCALE: ½" = 1'–0"



2 DETAIL
SCALE: N.T.S.

NO.	DESCRIPTION OF REVISION - REVISED DETAILS	MADE BY - JOT	DATE - 10/26
2			

Registered Professional Engineer (Civil) CERTIFICATE NO. 68796 CHARLES H. GOLEK Date Signed 10/26/26 ARIZONA, U.S.A.

	NAME	DATE
DESIGN	JOT	10/26
DRAWN	JOT	10/26
CHECKED	CHG	10/26

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
BRIDGE GROUP

AESTHETIC LETTERING DETAILS

ROUTE	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
-	ARIZ.	0000 MA TOL	CDS TOL-0(200)T	42	70	
MILEPOST						
STRUCTURE NO.						

F.H.W.A. Arizona Division

LOCATION: VAN BUREN AT 96TH AVE, TOLLESON

DWG NO. ST02

TRACS NO. T0619 01C

DATE SAVED:10/21/26 K:\PHX_STRUCTURE\291151013 – 96TH AVE PEDESTRIAN BRIDGE\CADD\12–SHEETS\STRUCTURES\291151012_LS01.DWG