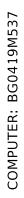
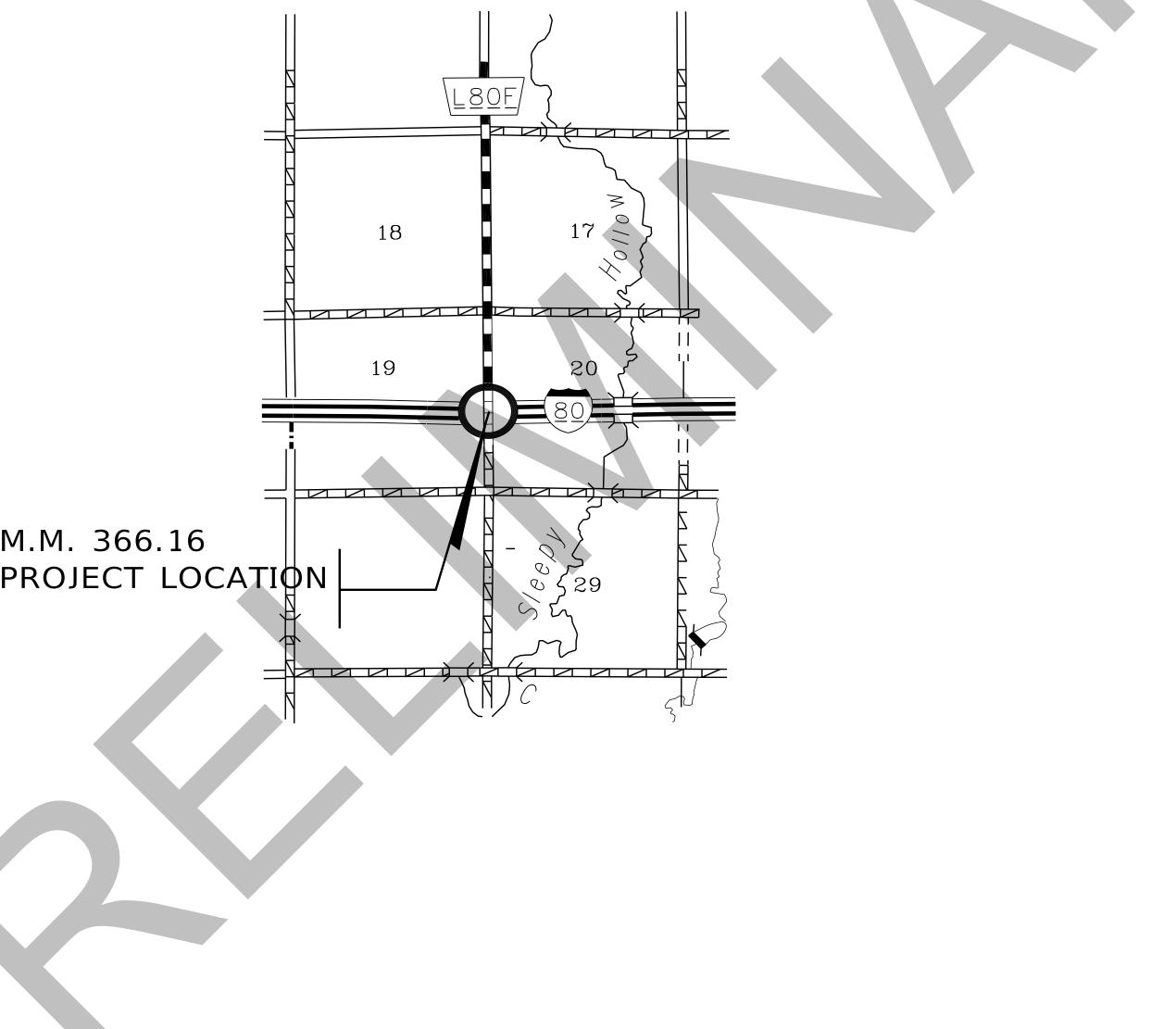
#### SHEET NO.

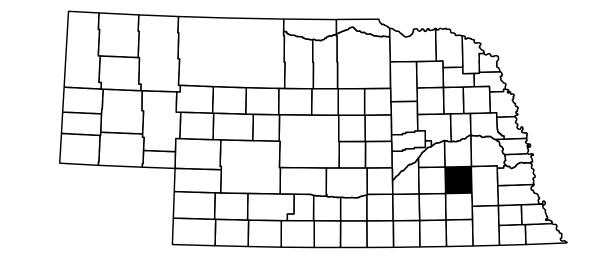
A1	TITLE PAGE
C1	SUMMARY OF QUANTITIES
G1	GENERAL INFORMATION
M1	TYPICAL TRAFFIC SIGNAL CONTROL PLANONE LANE, TWO-WAY OPERATION WITH BARRIERS
M2	TYPICAL TRAFFIC SIGNAL CONTROL PLANTEMPORARY TRAFFIC SIGNAL DETAILS
S1 - S4	SPECIAL PLAN 1 BRIDGE REPAIR
	STA. 15+00.00
	SPECIAL PLAN 1 BRIDGE REPAIR

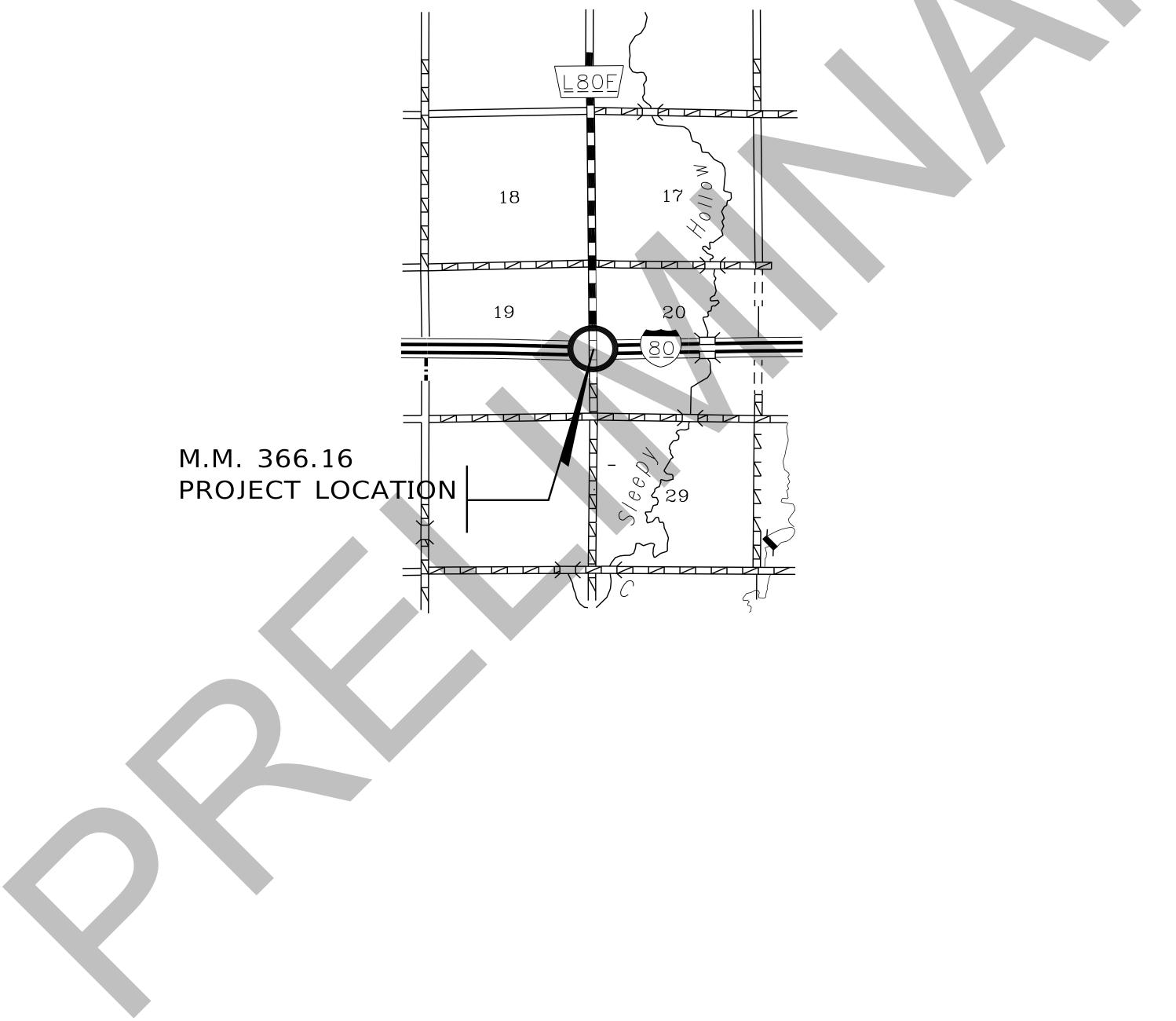
STANDARD PLANS

870	(2 SHEETS) CONCRETE PROTECTION BARRIER
920-R7	(3 SHEETS) TRAFFIC CONTROL, CONSTRUCTION AND MAINTENANCE
921-R8	(2 SHEETS) TRAFFIC CONTROL, CONSTRUCTION AND MAINTENANCE
941-R1	(2 SHEETS) PAVEMENT MARKING
943	(4 SHEETS) TEMPORARY PAVEMENT MARKING









# STATE OF NEBRASKA DEPARTMENT OF TRANSPORTATION PLANS FOR CONSTRUCTION UTICA INTERCHANGE SEWARD COUNTY

THE WORK ON THIS PROJECT		A1
1 - GRADING, 3 - CONCRETE 5 - SEEDING, 6 - BRIDGE, 7 -		Project Number
8 - MISCELLANEOUS, 9 - BITU	JMINOUS & 10 - GENERAL	S-L80F(1011)
GROUPS 1, 3, 4,	5, 6, 7, 8, 9 & 10ARE INCLUDED	C.N. 13532
	OCTOBER 19, 2023	►C.N.
	ARE INCLUDED	
IN THE LETTING OF		▲ C.N.
GROUPS	ARE INCLUDED	■C.N.
IN THE LETTING OF		]
THE 2017 EDITION OF THE NE SPECIFICATIONS AND THE SPEC APPLY TO THIS PROJECT.		LOTAL NET LENGE POST NO. TOTAL NET LENGE POST NO. TOTAL NET LENGENCE POST NO.

### NOTES

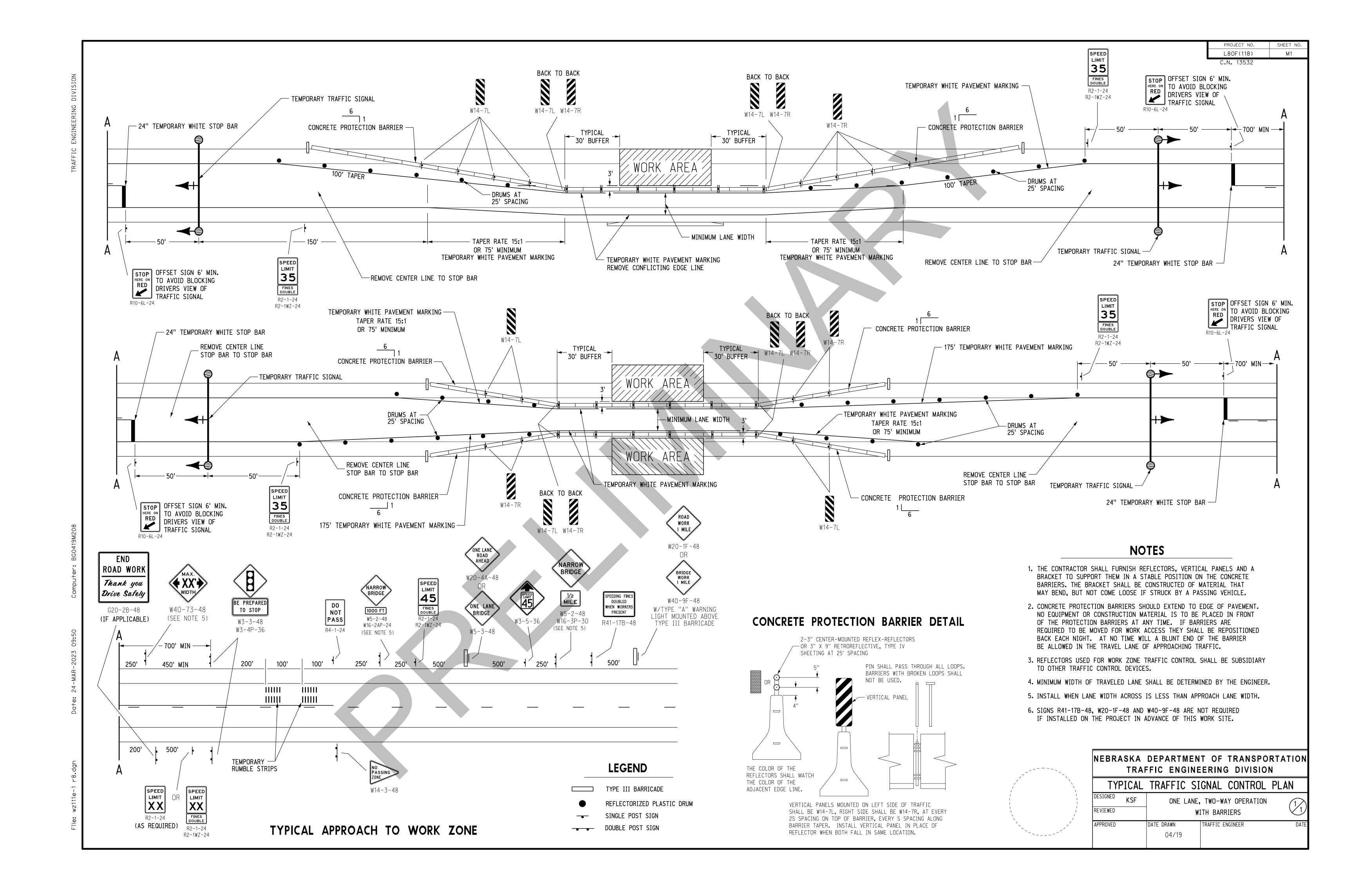
 The locations of all aerial and underground utility facilities may not be indicated in these plans. Underground utilities, whether indicated or not will be located and flagged by the Utilities at the request of the Contractor.

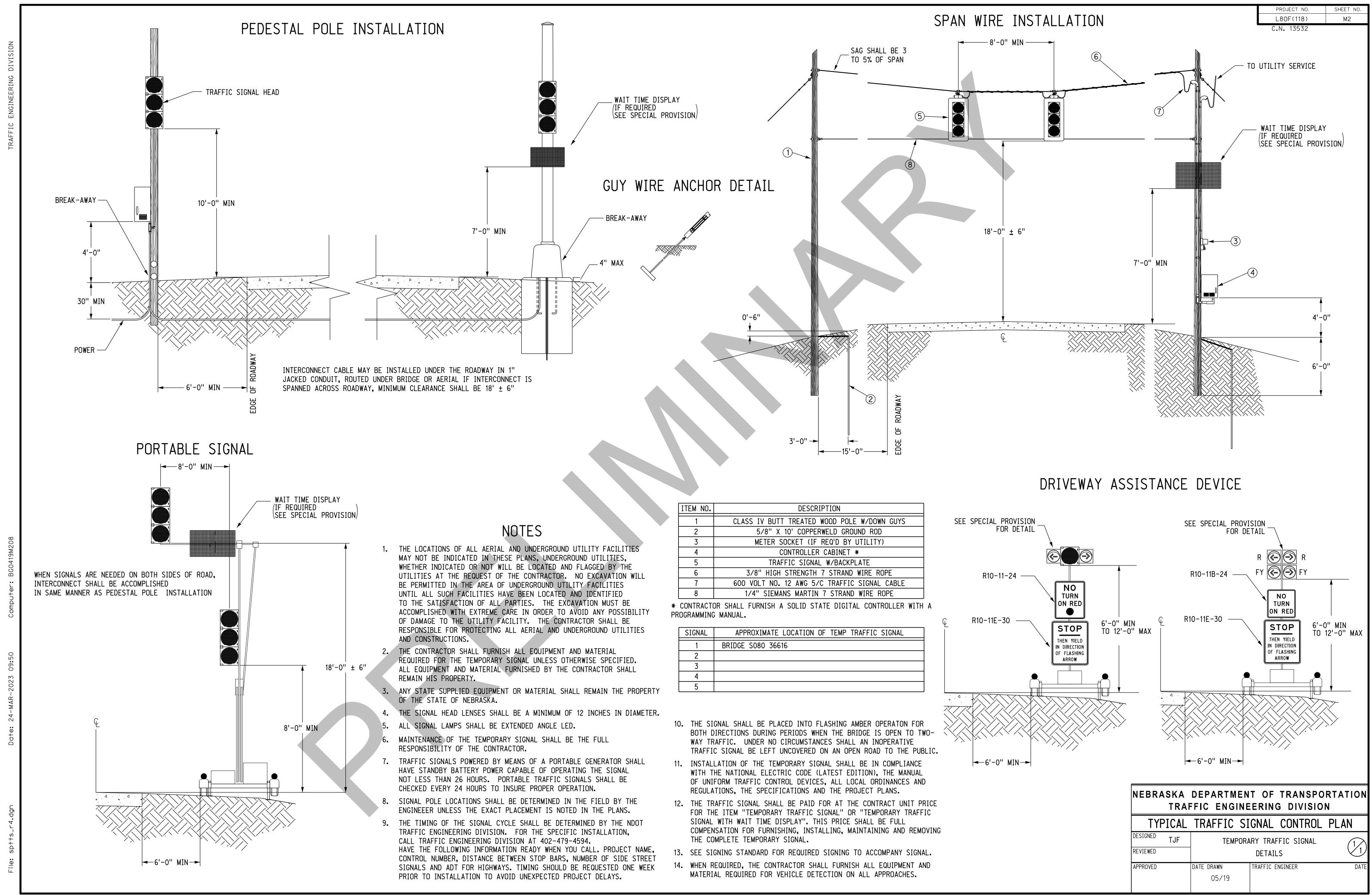
No excavation will be permitted in the area of underground utility facilities until all such facilities have been located and identified to the satisfaction of all parties. The excavation must be accomplished with extreme care in order to avoid any possibility of damage to the utility facility.





		G1
L	EGEND	Project Number
– — G — –		L80F(1011)
	ELECTRICAL SERVICE POWER LINE	
	OVERHEAD POWER LINE	C.N. 13532
	SANITARY SEWER	
SS	STORM SEWER	
	TELEPHONE LINE	
	FIBER OPTIC TELE. LINE	
	OVERHEAD TELEPHONE LINE CABLE TV LINE	
	OVERHEAD CABLE TV LINE	
	WATER LINE	
O <i></i>	FENCE - CHAIN LINK	
×	FENCE - R.O.W. OR WIRE	
0	FENCE - WOOD	
	FLOWLINE	
B	CENTER LINE DRIVE BENCH MARK	
<b>N</b> <b>®</b>	CENTER PIVOT	
$\odot$	CONTROL POINT	
	CULVERT	
XXXXXXX	DIKE	
G	GAS METER	
$\bowtie$	GAS VALVE	
•••••	GRID TICK GUARDRAIL	
o o	GUARD POST	
•	GUY POLE	
	GUY WIRE	
	LIGHT POLE	
	MAILBOX	
$\bigcirc$	MANHOLE MARSH	
	OIL WELL	
$\langle \rangle$	PHOTO CODE POINT	
P	POWER BOX	
•	POWER POLE	
P	POWER PULL BOX	-
R	PROPANE TANK R.O.W. MARKER	
	ADVANCED R.R. WARNING SIGN	
×	RAILROAD WARNING	
	RAILROAD TRACKS	
//	RETAINING WALL	
(-	SATELLITE DISH	I I I I I I I I I I I I I I I I I I I
	SIGN TRAFFIC SIGNAL	INFORMATIC
★ ×	TRAFFIC SIGNAL TRAFFIC SIGNAL/ST. LIGHT	
ж П	TELEPHONE BOX	
FO	TELE. FIBER OPTICS BOX	
$\bigcirc$	TELEPHONE PULL BOX	NERAL
•	TELEPHONE POLE	
TV	TELEVISION BOX	
	TRAVELED WAY TREE - CONIFEROUS	ш
Strange Contraction	TREE - DECIDUOUS	G
	TREE STUMP	
Ó-	WATER (FIRE) HYDRANT	
M	WATER VALVE	Good Life. Great Journey.
$\bigotimes$	WATER METER	DEPARTMENT OF TRANSPORTATION
$\overline{\bigcirc}$	WELL	Roadway
U	WINDMILL	Design
		Division





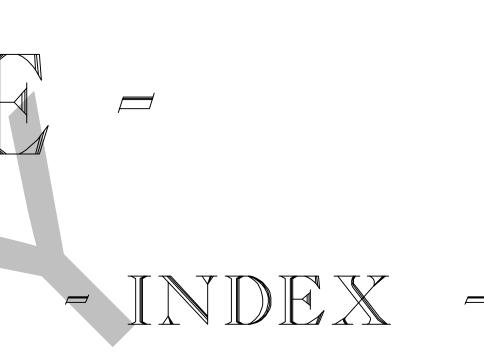
ITEM NO.	DESCRIPTION			
1	CLASS IV BUTT TREATED WOOD POLE W/DOWN GUYS			
2	5/8" X 10' COPPERWELD GROUND ROD			
3	METER SOCKET (IF REQ'D BY UTILITY)			
4	CONTROLLER CABINET *			
5	TRAFFIC SIGNAL W/BACKPLATE			
6	3/8" HIGH STRENGTH 7 STRAND WIRE ROPE			
7	600 VOLT NO. 12 AWG 5/C TRAFFIC SIGNAL CABLE			
8	1/4" SIEMANS MARTIN 7 STRAND WIRE ROPE			

SIGNAL	APPROXIMATE LOCATION OF TEMP TRAFFIC SIGNAL
1	BRIDGE SO80 36616
2	
3	
4	
5	

- NOTES -
Before ordering any materials, the Contractor shall make a detailed field inspection of the structure verifying all dimensions and reporting to the Engineer any discrepancies between the field measurements and those shown on the plans.
All materials removed shall become the property of the Contractor and shall be removed from the project site.
All dimensions shown are in horizontal plane only. No allowances have been made for vertical curve or roadway cross slope.
As-Built Plans for the existing structure are available from the Bridge Division upon request.
The State does not guarantee that these repair plans or the As-built plans depict the actual site conditions and shall not be liable for any discrepancies.
Stations and dimensions shown are obtained from the existing As-built Plans. The engineer shall establish control points from the existing structure as needed.
All materials, equipment, tools, labor and incidentals necessary to complete the work, that are not paid for directly, shall be considered subsidiary to other items for which payment is made.
The Contractor shall place a 1" deep saw cut at the limits of concrete removal to facilitate a clean, smooth line when breaking back existing concrete.
The Contractor shall take all necessary precautions, during construction, to prevent debris from falling on the Roadway below.
Concrete shall be Class "47BD", with a 28-day strength of 4000 psi.
Chamfer all exposed edges of concrete.
All existing concrete surfaces to be in contact with the new construction shall be thoroughly roughened and cleaned before placing any new concrete.
The minimum clearance, measured from the face of the concrete to the surface of any reinforcing bar, shall be 2", except where otherwise noted.
All reinforcing steel shall be epoxy coated and conform to the requirements of ASTM A615/A615M, Grade 60 steel.
Field bend and/or clip reinforcing bars to maintain minimum clearance. Touch-up clipped ends or damaged areas of epoxy bars with epoxy coating.
Actual field conditions may require more or less repair than what is depicted in the plans. The final areas to be repaired shall be determined by the Engineer. The Bridge Office shall be notified when field conditions impede the implementation of these plans or vary significantly from what is shown.
Damage to existing structures, consequent to the Contractor's operations, shall be repaired at the Contractor's expense, under the direction of the Engineer.

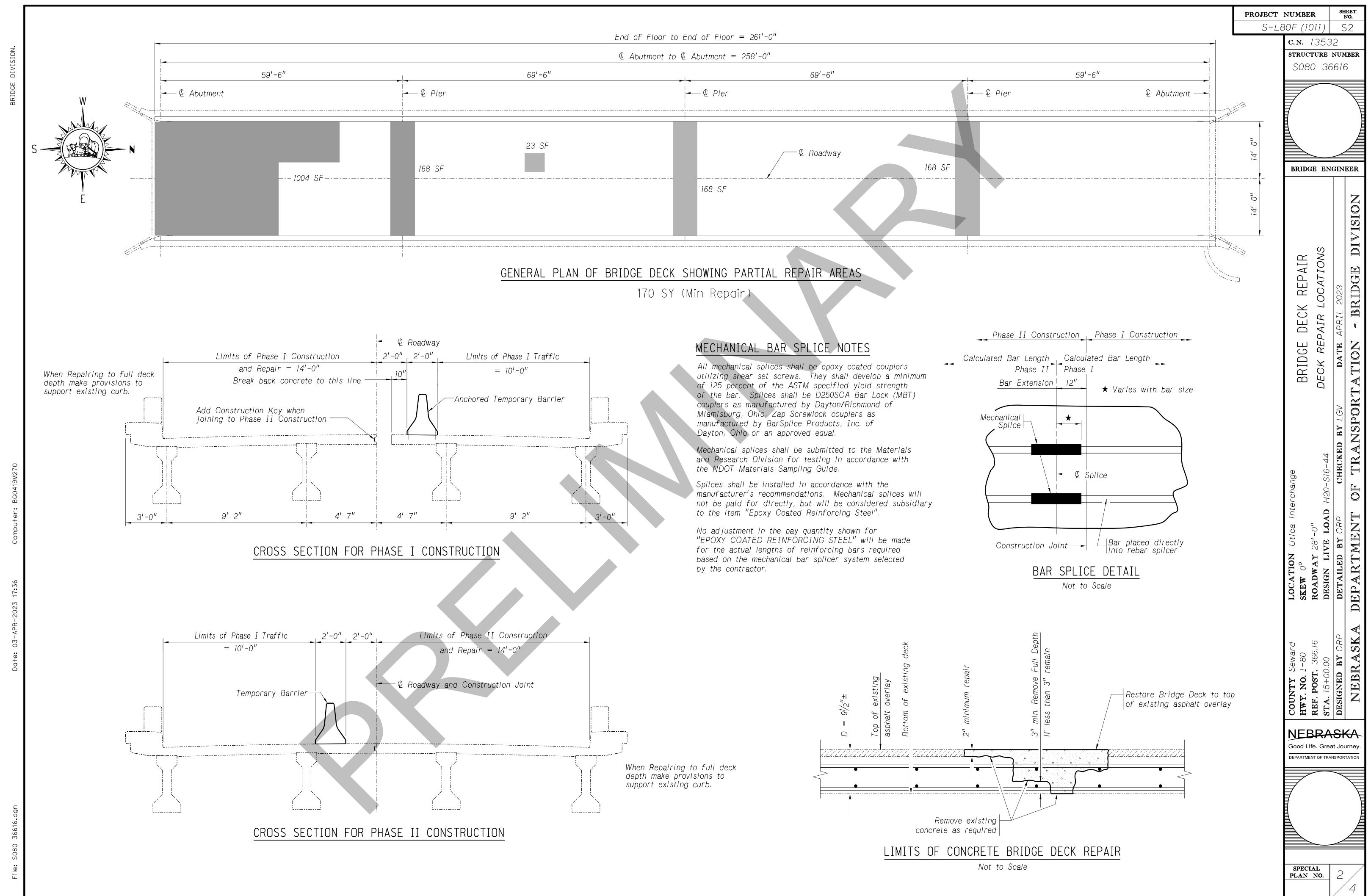
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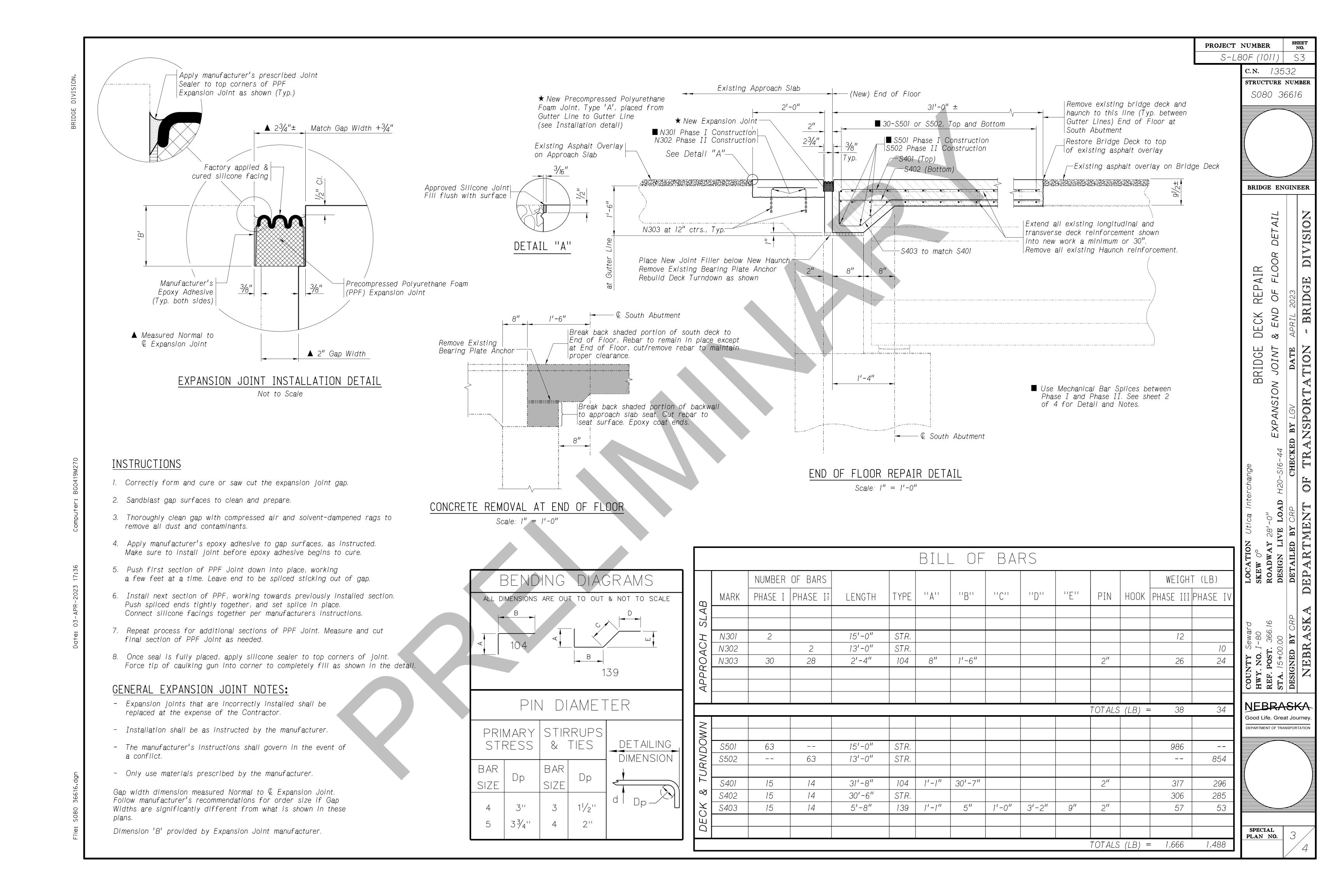
CA INTERCHAN	
- QUANTITIES - GROUP 6	- INDEX -
	GENERAL NOTES, QUANTITIES, & INDEX 1
PREPARATION OF BRIDGE AT STATION 15+00.00 1 EA	DECK REPAIR LOCATIONS 2
CONCRETE BRIDGE DECK REPAIR 170 SY	EXPANSION JOINT & END OF FLOOR DETAIL 3
BRIDGE APPROACH REPAIR 55 SY	CONCRETE PATCHING DETAILS 4
CONCRETE PATCHING	
CLASS 47BD-4000 CONCRETE FOR BRIDGE 15.3 CY SLAB 14.4 CY APPROACH SLAB9 CY	
EPOXY COATED REINFORCING STEEL 3,226 LB SLAB 3,154 LB APPROACH SLAB 72 LB	
PRECOMPRESSED POLYURETHANE FOAM JOINT, TYPE A 56.0 LF	

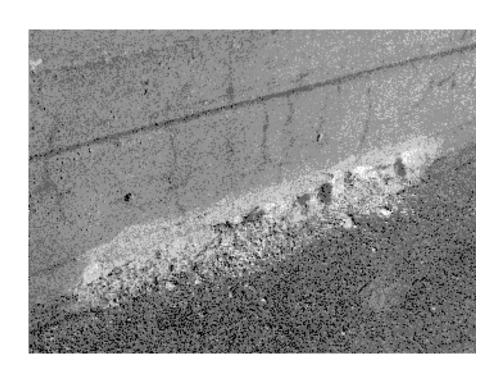


PROJECT				)	1	<b>eet</b> <b>10.</b> 51
	 OF (1011) S1 <b>C.N.</b> 13532 <b>STRUCTURE NUMBER</b> S080 36616			IBER		
		7				
	BI	RID	GE	EN	GIN	EER
		BRIDGE DECK REPAIR		QUANIIIIEU, & INDEA	DATE APRIL 2023	- BRIDGE DIVISION
		BRIDGE D	CENED AL MOTES	GENERAL NOIES, QUANIIIES,		
	LOCATION Utica interchange	SKEW O <sup>o</sup>	<b>ROADWAY</b> 28'-0''	DESIGN LIVE LOAD H20-S16-44	DETAILED BY CRP CHECKED BY LGV	DEPARTMENT OF TRANSPORTATION
	COUNTY Seward I	HWY. NO. 1-80 S	<b>REF. POST.</b> 366.16 <b>H</b>	<b>STA.</b> 15+00.00	CRP	NEBRASKA DE
		od L	ife. (	Grea		urney.
	S	PEC	IAL			
		AN			1	4

	DESI	IGN HISTORY		
PROJ. NO.	YEAR	TYPE OF WORK		
I-80-8(23)	1963	Original Construction		_
L80G (108)	1995	Remodel Bridge Curb		
80-8(145)	2012	Deck Overlay and Repair	SPECIAL PLAN NO.	
80-8(145)	2013	Approach Slab Repair		1 /





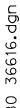


C1 Repair bottom of Curb as required

## REPAIR STEPS

- 1. The contractor shall work with the project manager to determine the areas requiring repair.
- 2. Remove unsound concrete.
- 3. Blast clean existing concrete and reinforcing if exposed.
- 4. Thoroughly remove all blast cleaning material from the repair area.
- 5. Tape off the area to be repaired.
- 6. Apply the manufacturers approved bonding agent or primer, if required.
- 7 Patch damaged areas with an approved "Concrete Repair" product.

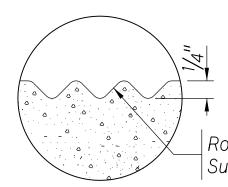
70







C2 Repair bottom of Curb as required



Roughen or Scarify existing Surface to a depth of 1/4"

EXISTING CONCRETE



W1 Repair Backwall and Wing as Required

PROJECT		sheet no.
0 20	BOF (1011) <b>c.n.</b> 135	
	structure S080-3	
	3060 3	
	BRIDGE EN	
	BRIDGE DECK REPAIR Bridge repair	DATE APRIL 2023 ATION - BRIDGE DIVISION
	a interchange o" <b></b>	
	LOCATION Utica interchange SKEW 0° ROADWAY 28'-0" DESIGN LIVE LOAD H20-S16	NEBRASKA DEPARTMENT
	<b>COUNTY</b> Seward <b>HWY. NO.</b> <i>I</i> -80 <b>REF. POST.</b> 366.16 <b>STA.</b> 15+00.00	DESIGNED BY CRP NEBRASKA
	Ocod Life. Gre	
	SPECIAL PLAN NO.	4 4