ANCHORAGE DETAILS
º NOT SHOWN

OPTION 1 ANCHOR
º PER BARRIER SEGMENT

HEAVY HEX NUT, LOCK WASHER AND ¼ PLATE WASHER, CHECK PLAN FOR NUMBER REQUIRED.
º DIA. SPEC. 3385 TYPE A ANCHOR ROD

2-HEAVY HEX JAM NUTS, ½ PLATE WASHER, CHECK PLAN FOR NUMBER REQUIRED.

OPTION 1
º ON NEW DECK

DO NOT USE ON NEW DECK

SIDE VIEW

NOTE:
º HARDWARE TO BE GALVANIZED PER SPEC. 3392.
º STRUCTURAL STEEL TO BE SPEC. 3306 UNLESS OTHERWISE NOTED.
º PIN BARRIERS TOGETHER PER STANDARD PLATE 8337.
º THROUGH BOLT ANCHOR RODS MUST BE USED IF THE DECK UNDERSIDE IS PENETRATED DURING DRILLING PROCESS.
º DO NOT USE OPTION 2 ON BRIDGES WITH A BITUMINOUS OVERLAY.
º REFER TO TRAFFIC CONTROL PLANS FOR DEPLOYMENT LENGTH AND BARRIER TERMINATION REQUIREMENTS.
º REFER TO STANDARD FIGURE 5-297.680 (1 OF 2) REGARDING ANCHORING BARRIER OVER BRIDGE EXPANSION JOINTS.
º ANCHOR ON TRAFFIC SIDE OF BARRIER ONLY.
º SEE SPECIAL PROVISIONS FOR BARRIER INSTALLATION AND REMOVAL REQUIREMENTS.
º HAMMER DRILLING OF THESE HOLES IS NOT PERMITTED.
º ½ MINIMUM TO PREVENT BOTTOM OF SLAB FROM SPALLING OR FRACTURING DURING DRILLING.
º 5½ MINIMUM FOR BRIDGE DECKS WITH TOP MAT REINFORCEMENT AND SOUND CONCRETE.
º PROVIDE AN ADHESIVE WITH A MINIMUM CHARACTERISTIC BOND STRENGTH IN UNCRACKED CONCRETE OF 1.0 KSI. EMBED THE ANCHORAGE NO LESS THAN 5½ REGARDLESS OF CHARACTERISTIC BOND STRENGTH, DRILL THROUGH EMBEDMENT (IF ENCOUNTERED) TO ACHIEVE MINIMUM EMBEDMENT, ENSURE HEX NUT IS IN CONTACT WITH THE ADJACENT SURFACE, PROOF LOAD TO 7.0 KIPS, SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.
º HOLE DIAMETER 1¾ MIN., 1½ MAX.

B920

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION
TEMPORARY PORTABLE PRECAST CONCRETE BARRIER ANCHORAGE TO CONCRETE
(TEMPORARY USAGE IN LIMITED BARRIER DISPLACEMENT AREAS)

APPROVED: DECEMBER 21, 2011
Nancy Rauberger
STATE BRIDGE ENGINEER

REVISED
05-24-2012
11-08-2018
01-30-2019

SEE STANDARD PLATE 8337 FOR BARRIER DETAILS
SEE DETAIL "A"