

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND US-12 TYPE OF FINISH Galvanized
LIGHT NUMBER 5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-3-11
DISTRICT Grand Forks HIGHWAY I-29 DIRECTION NB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT NB I-29 in Exit Ramp to US 2 WELDED _____ FROM BASE
WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: Cracks around all four (4) anchor bolts. The largest is 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested –The anchor bolts have a hole in the center – ¼” _____

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 55' 52.3" - Accuracy 15 ft
W 097° 0.5' 33.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND US-2 TYPE OF FINISH Galvanized
LIGHT NUMBER 3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-3-11
DISTRICT Grand Forks HIGHWAY I-29 DIRECTION NB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT WB US-2 at the Entrance Ramp to NB I-29 WELDED
FROM BASE _____ FROM BASE _____
WELDED _____ FROM BASE _____
NUMBER OF PIECES _____
OFFSET _____

→ **1** FOUNDATIONS: The concrete base is found to be acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested –The anchor bolts have a hole in the center – ¼” _____

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 56' 00.7" - Accuracy 15 ft
W 097° 0.5' 34.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND US-2 TYPE OF FINISH Galvanized
LIGHT NUMBER 1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-3-11
DISTRICT Grand Forks HIGHWAY I-29 DIRECTION NB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT NB US-2 at the End of Entrance Ramp from US-2 WELDED
FROM BASE _____
WELDED _____ FROM BASE _____
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete foundation. The largest crack is 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested - _____

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 56' 12.1" - Accuracy 15 ft
W 097° 0.5' 34.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND US-2 TYPE OF FINISH Galvanized
LIGHT NUMBER 2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-3-11
DISTRICT Grand Forks HIGHWAY I-29 DIRECTION SB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT WB US-2 in the circle Ramp to SB I-29. WELDED _____ FROM BASE
WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are cracks coming from all four (4) anchor bolts. The largest crack is 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested – _____

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 56' 05.5" - Accuracy 16 ft
W 097° 0.5' 40.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND Demers Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-3-11

DISTRICT Grand Forks HIGHWAY I-29 DIRECTION NB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB Demers Ave in Circle Ramp to NB I-29 WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested - _____

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. There is rust on the washers, top of nut and leveling nut at the SE anchor bolt.

GPS N 47° 55' 03.3" - Accuracy 17 ft
W 097° 0.5' 32.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND Demers Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-3-11

DISTRICT Grand Forks HIGHWAY I-29 DIRECTION SB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 in Circle Ramp to Demers Ave WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack from the SW anchor bolt traveling to the edge of the concrete base (5/1000). _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested - _____

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 55' 03.3" - Accuracy 19 ft
W 097° 0.5' 41.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND Demers Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-3-11

DISTRICT Grand Forks HIGHWAY I-29 DIRECTION SB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB Demers Ave in Entrance Ramp to SB I-29 WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested – _____

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 54' 57.9" - Accuracy 17 ft
W 097° 0.5' 38.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND Demers Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 6 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-3-11

DISTRICT Grand Forks HIGHWAY I-29 DIRECTION SB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 at the end of Entrance Ramp from Demers Ave WELDED _____ FROM
BASE

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested - _____

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 54' 47.1" - Accuracy 16 ft
W 097° 0.5' 38.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND Demers Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-3-11

DISTRICT Grand Forks HIGHWAY I-29 DIRECTION SB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 at Exit Ramp to Demers Ave WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested –

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 54' 52.5" - Accuracy 18 ft
W 097° 0.5' 33.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND Demers Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-3-11

DISTRICT Grand Forks HIGHWAY I-29 DIRECTION SB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT SB I-29, 50 Ft North of the Demers Ave overpass WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Three (3) Bolts Tested –The south bolt has a negative projection (1/8"). UT could not be performed. _____

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 55' 08.5" - Accuracy 20 ft
W 097° 0.5' 38.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND 32nd Ave TYPE OF FINISH Galvanized
LIGHT NUMBER 6 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-3-11
DISTRICT Grand Forks HIGHWAY I-29 DIRECTION SB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT SB I-29 , at Exit Ramp to 32nd Ave WELDED _____ FROM BASE
WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested –

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 53' 28.5" - Accuracy 20 ft
W 097° 0.5' 24.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND 32nd Ave TYPE OF FINISH Galvanized
LIGHT NUMBER 4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-3-11
DISTRICT Grand Forks HIGHWAY I-29 DIRECTION SB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT EB 32nd in Entrance Ramp to SB I-29 WELDED _____ FROM BASE
WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple shrinkage cracks on the concrete base. None of them are larger than 5/1000 _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested –

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 53' 19.5" - Accuracy 18 ft
W 097° 0.5' 20.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND 32nd Ave TYPE OF FINISH Galvanized
LIGHT NUMBER 2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-3-11
DISTRICT Grand Forks HIGHWAY I-29 DIRECTION SB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT SB I-29 at the end of Entrance Ramp from 32nd Ave WELDED _____ FROM
BASE
WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested –

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 53' 09.8" - Accuracy 18 ft
W 097° 0.5' 17.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND 32nd Ave TYPE OF FINISH Galvanized
LIGHT NUMBER 1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-3-11
DISTRICT Grand Forks HIGHWAY I-29 DIRECTION NB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT NB I-29 at the start of Exit Ramp to 32nd Ave WELDED _____ FROM BASE
OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested –

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. The three (3) bolts for the access door are corroded. There is galvanizing damage in the access door. There is severe rusting in the washers for the SW and SE anchor bolts.

GPS N 47° 53' 02.2" - Accuracy 16 ft
W 097° 0.5' 13.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND 32nd Ave TYPE OF FINISH Galvanized
LIGHT NUMBER 3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-3-11
DISTRICT Grand Forks HIGHWAY I-29 DIRECTION NB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT NB I-29 at the 32nd Ave Exit Ramp WELDED _____ FROM BASE
OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested –

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 53' 15.6" - Accuracy 16 ft
W 097° 0.5' 13.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND 32nd Ave TYPE OF FINISH Galvanized
LIGHT NUMBER 5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-3-11
DISTRICT Grand Forks HIGHWAY I-29 DIRECTION NB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT WB 32nd Ave in the Entrance Ramp to NB I-29 WELDED _____ FROM BASE
WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested –

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 53' 23.5" - Accuracy 16 ft
W 097° 0.5' 14.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND 32nd Ave TYPE OF FINISH Galvanized
LIGHT NUMBER 7 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-3-11
DISTRICT Grand Forks HIGHWAY I-29 DIRECTION NB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT NB I-29 at the end of the Entrance Ramp from 32nd Ave WELDED _____ FROM BASE
WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple shrinkage cracks on the concrete base. All are smaller than 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested –

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 53' 36.1" - Accuracy 16 ft
W 097° 0.5' 24.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 AND 32nd Ave TYPE OF FINISH Galvanized
LIGHT NUMBER 7 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-3-11
DISTRICT Grand Forks HIGHWAY I-29 DIRECTION NB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT NB I-29 at the end of the Entrance Ramp from 32nd Ave WELDED _____ FROM BASE
WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple shrinkage cracks on the concrete base. All are smaller than 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested –

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 47° 53' 36.1" - Accuracy 16 ft
W 097° 0.5' 24.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 16th Street TYPE OF FINISH Galvanized

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-4-11

DISTRICT Minot HIGHWAY US-2 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB US-2 in the exit ramp to 16th Street WELDED _____ FROM BASE

WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack coming from all four (4) anchor bolts traveling to the edge of the base. The largest is 5/1000.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested – There is a hole drilled in the center of all four (4) anchor bolts ¼" in Diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. The top section of the high mast structure has a slight lean to the NW. The threads on all four (4) anchor bolts are damaged. It appears the damage was intentionally done so that the nuts wouldn't work loose. The grout under the upright base is cracking.

GPS N 48° 12' 38.8"
W 101° 18.0' 52.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 16th Street TYPE OF FINISH Galvanized

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-4-11

DISTRICT Minot HIGHWAY US-2 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT NW Corner of 20th Ave and 16th Street WELDED _____ FROM BASE

OFFSET _____ WELDED _____ FROM BASE

NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack coming from all four (4) anchor bolts traveling to the edge of the base. The largest is 5/1000.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested – There is a hole drilled in the center of all four (4) anchor bolts ¼" in Diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. The top section of the high mast structure has a slight lean to the NW. The threads on all four (4) anchor bolts are damaged. It appears the damage was intentionally done so that the nuts wouldn't work loose. The grout under the upright base is cracking.

GPS N 48° 12' 40.5" - Accuracy 18 ft
W 101° 19.0' 02.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 16th Street TYPE OF FINISH Galvanized

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-4-11

DISTRICT Minot HIGHWAY US-2 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT NW US-2 West of 16th WELDED _____ FROM BASE

OFFSET _____ WELDED _____ FROM BASE

NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack coming from the SW corner traveling to the edge of the beam. It is 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested –

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. All six (6) anchor bolts are severely rusted and it appears they are corroded. The grout under the base is cracked.

GPS N 48° 12' 46.1" - Accuracy 16 ft
W 101° 19.0' 29.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 16th Street TYPE OF FINISH Galvanized

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-5-11

DISTRICT Minot HIGHWAY US-2 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB US-2, 2nd Pole West 16th St WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested –

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. There appears to be corrosion on the threads of all six (6) anchor bolts. The threads of all six (6) anchor bolts are damaged. It appears to be done intentionally so that the nuts won't work loose.

GPS N 48° 12' 49.1" - Accuracy 14 ft
W 101° 19.0' 36.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 16th Street TYPE OF FINISH Galvanized

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-5-11

DISTRICT Minot HIGHWAY US-2 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB US-2 100' West of 16th St Exit Ramp WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack at each anchor bolt traveling to the edge of the base. None are larger than 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested – all four (4) anchor bolts have holes drilled in the center, 1/4" diameter

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. There is damage to the threads of all four (4) anchor bolts. It appears to be done intentionally so that the nuts won't work loose.

GPS N 48° 12' 41.4" - Accuracy 18 ft
W 101° 19.0' 24.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 16th Street TYPE OF FINISH Galvanized

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-5-11

DISTRICT Minot HIGHWAY US-2 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB US-2 at Entrance Ramp to 16th Street WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested – all four (4) anchor bolts have holes drilled in the center, 1/4" diameter

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. There is damage to the threads of all four (4) anchor bolts. It appears to be done intentionally so that the nuts won't work loose. The grout under the upright base is cracked and falling apart. Some of the leveling nuts are exposed.

GPS N 48° 12' 38.2" - Accuracy 17 ft
W 101° 19.0' 13.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 16th Street TYPE OF FINISH Galvanized

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-5-11

DISTRICT Minot HIGHWAY US-2 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT SB 16th Street in circle Ramp to EB US-2 WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested – all four (4) anchor bolts have holes drilled in the center, 1/4" diameter

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. There is damage to the threads of all four (4) anchor bolts. It appears to be done intentionally so that the nuts won't work loose. The grout under the upright base is cracked. There is a slight lean at the top section, to the NW, of the high mast upright.

GPS N 48° 12' 35.0" - Accuracy 20 ft
W 101° 19.0' 05.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 83 TYPE OF FINISH Galvanized

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-5-11

DISTRICT Minot HIGHWAY US-2 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB US-2 ¼ Mile West of 83 WELDED _____ FROM BASE

OFFSET _____ WELDED _____ FROM BASE

NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack in the base in the concrete at the west corner. The largest is 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. There is damage to the threads of all six (6) anchor bolts. It appears to be done intentionally so that the nuts won't work loose.

GPS N 48° 12' 32.0" - Accuracy 20 ft
W 101° 18.0' 35.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 83 TYPE OF FINISH Galvanized
LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-5-11
DISTRICT Minot HIGHWAY US-2 DIRECTION EB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT EB US-2 Just West of the Exit Ramp to 83 WELDED _____ FROM BASE
OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base is visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. There is damage to the threads of all four (4) anchor bolts. It appears to be done intentionally so that the nuts won't work loose.

GPS N 48° 12' 29.4" - Accuracy 21 ft
W 101° 18.0' 20.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 83 TYPE OF FINISH Weathering

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-5-11

DISTRICT Minot HIGHWAY US-2 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB US-2 in Exit Ramp to 83 WELDED _____ FROM BASE

OFFSET _____ WELDED _____ FROM BASE

NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 13/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. There is damage to the threads of all four (4) anchor bolts. It appears to be done intentionally so that the nuts won't work loose.

GPS N 48° 12' 26.5" - Accuracy 22 ft
W 101° 18.0' 04.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 83 TYPE OF FINISH Weathering

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-5-11

DISTRICT Minot HIGHWAY US-2 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT SB 83 in the Circle Ramp to EB US-2 WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 5/1000. See Comments _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: There is damage to the threads of all eight (8) anchor bolts. It appears to be done intentionally so that the nuts won't work loose. The concrete base appears to be eroding away. The limestone in the concrete is exposed on the sides.

GPS N 48° 12' 24.8" - Accuracy 18 ft
W 101° 17.0' 48.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 83 TYPE OF FINISH Weathering

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-5-11

DISTRICT Minot HIGHWAY US-2 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB US-2 at End of Entrance Ramp from 83 WELDED _____ FROM BASE

OFFSET _____ WELDED _____ FROM BASE

NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 16/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six(6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 48° 12' 26.2" - Accuracy 18 ft
W 101° 17.0' 32.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 83 TYPE OF FINISH Weathering

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-5-11

DISTRICT Minot HIGHWAY US-2 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB US-2 at Exit Ramp to 83 WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6)) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 48° 12' 30.2" - Accuracy 18 ft
W 101° 17.0' 28.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 83 TYPE OF FINISH Weathering

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-5-11

DISTRICT Minot HIGHWAY US-2 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT NB 83 in Circle Ramp to WB US-2 WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 10/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 48° 12' 30.2" - Accuracy 15 ft
W 101° 17.0' 42.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 83 TYPE OF FINISH Weathering

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-5-11

DISTRICT Minot HIGHWAY US-2 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB US-2 Just West of 83 Bridge WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 13/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6)) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The anchor bolts have started to corrode. There is some loss of mass at the top thread of all six (6) anchor bolts.

GPS N 48° 12' 28.5" - Accuracy 16 ft
W 101° 17.0' 54.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 83 TYPE OF FINISH Weathering

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-5-11

DISTRICT Minot HIGHWAY US-2 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB US-2 1st Galvanized High Mast West of 83 WELDED _____ FROM BASE

OFFSET _____ WELDED _____ FROM BASE

NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6)) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 48° 12' 30.9" - Accuracy 18 ft
W 101° 18.0' 11.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION US 2 and 83 TYPE OF FINISH Weathering

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-5-11

DISTRICT Minot HIGHWAY US-2 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB US-2 2nd Galvanized High Mast West of 83 WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6)) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 48° 12' 33.2" - Accuracy 18 ft
W 101° 18.0' 25.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Sunset Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-6-11

DISTRICT Bismark HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 at Start of Exit Ramp to Sunset Drive WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a 7/1000 crack from the SW anchor bolt traveling to the edge of the base and down the side..__

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6)) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is light damage to the edge of the concrete base on the south side.

GPS N 46° 50' 49.6" - Accuracy 19 ft
W 100° 54.' 52.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Sunset Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 6 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-6-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 in the Exit Ramp to Sunset Drive WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base coming from the anchor bolts. None of them are larger than 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. On the west side of the upright base, there is rusting on the bottom edge. The rodent screen is broken on the west side.

GPS N 46° 50' 38.9" - Accuracy 18 ft
W 100° 54' 30.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Sunset Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 8 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-6-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT NB Sunset Dr in the Entrance Ramp to EB I-94 WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base coming from the anchor bolts traveling to the edge of the base. The largest is 5/1000 _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 38.9" - Accuracy 16 ft
W 100° 54' 19.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Sunset Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 10 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-6-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 at the end at the Entrance Ramp from Sunset Drive WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 33.4" - Accuracy 18 ft
W 100° 53' 59.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Sunset Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 9 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-6-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 at the Start of the Exit Ramp to Sunset Drive WELDED _____ FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 38.7" - Accuracy 18 ft
W 100° 54' 08.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Sunset Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 7 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-6-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 WELDED FROM BASE
WELDED _____ FROM BASE

OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: Some minor chipping on the concrete base around the leveling nuts and at the edge. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 44.6" - Accuracy 16 ft
W 100° 54' 25.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Sunset Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-6-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94, First High Mast in Entrance Ramp from Sunset Drive

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiply cracks in the concrete base from the anchor bolts traveling to the edge. None are the larger than 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 45.8" - Accuracy 16 ft
W 100° 54' 34.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Sunset Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-6-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94, Second High Mast in Entrance Ramp from Sunset Drive

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base from the anchor bolts traveling to the edge and down the side. None are the larger than 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 48.3" - Accuracy 16 ft
W 100° 54' 42.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and Sunset Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-6-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94, Second High Mast West of Entrance Ramp from Sunset Drive

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base from the anchor bolts traveling to the edge and down the side. None are the larger than 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 59.3" - Accuracy 16 ft
W 100° 55' 07.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Sunset Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-6-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94, First High Mast West of Entrance Ramp from Sunset Drive

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base from the anchor bolts traveling to the edge. None are the larger than 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 55.8" - Accuracy 17 ft
W 100° 54' 58.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Bismarck Expressway TYPE OF FINISH Galvanized
LIGHT NUMBER 20 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-7-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT WB I-94, Second High Mast East of Bismarck Expressway
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack at the north and south anchor bolts traveling to the edge and down the side of the concrete base. The largest is 7/1000 _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts. There is a light rusting on threads of the anchor bolts.

GPS N 46° 49' 56.2" - Accuracy 13 ft
W 100° 43' 21.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Bismarck Expressway TYPE OF FINISH Galvanized
LIGHT NUMBER 19 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-7-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT WB I-94, First High Mast East of Bismarck Expressway
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 49' 55.4" - Accuracy 18 ft
W 100° 43' 32.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Bismarck Expressway TYPE OF FINISH Galvanized
LIGHT NUMBER 17 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-7-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT WB I-94, In Exit Ramp to Bismarck Expressway
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is no rodent screen around the leveling nuts. There is a slight lean to the NW at the top section of the high mast.

GPS N 46° 49' 54.8" - Accuracy 14 ft
W 100° 43' 46.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Bismarck Expressway TYPE OF FINISH Galvanized
LIGHT NUMBER 15 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-7-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT WB I-94, In the Entrance Ramp from Bismarck Expressway
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack at all four (4) anchor bolts traveling to the edge and down the side of the concrete base. The largest is 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is no rodent screen around the leveling nuts. There is a slight lean to the NW at the top section of the high mast.

GPS N 46° 49' 55.1" - Accuracy 16 ft
W 100° 43' 59.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Bismarck Expressway TYPE OF FINISH Galvanized
LIGHT NUMBER 13 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-7-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT WB I-94, First High mast West of Bismarck Expressway
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is no rodent screen around the leveling nuts. There is a slight lean to the NW at the top section of the high mast.

GPS N 46° 49' 54.7" - Accuracy 17 ft
W 100° 44' 15.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and US 83 TYPE OF FINISH Galvanized
LIGHT NUMBER 22 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-7-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT WB I-94 at the beginning of Exit Ramp to US 83
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 49' 54.2" - Accuracy 17 ft
W 100° 46' 04.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and US 83 TYPE OF FINISH Galvanized
LIGHT NUMBER Station Mark 422 +90 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-7-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT NB US 83 at the End of Entrance Ramp to EB I-94
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 13/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested. There is a hole drilled in the center of all six anchor bolts. 1/4" diameter (see comments)

- BASE PLATES _____
- LIGHTS _____
- SAFETY CHAINS _____
- COATING _____
- LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is rust in the holes at the six anchor bolts.

GPS N 46° 49' 51.0" - Accuracy 19 ft
W 100° 46' 11.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and US 83 TYPE OF FINISH Galvanized
LIGHT NUMBER Station Mark 416 +57 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-7-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 in Entrance Ramp from US 83
_____ FROM BASE
OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **2** FOUNDATIONS: See Comments. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested. There is a hole drilled in the center of all six anchor bolts. ¼" diameter

- BASE PLATES _____

- LIGHTS _____

- SAFETY CHAINS _____

- COATING _____

- LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There are multiple cracks in the concrete base. The largest is 60/1000. Chunks of concrete have been broken off from the cracks. There is a slight lean in the top section of the high mast.

GPS N 46° 49' 51.7" - Accuracy 18 ft
W 100° 46' 20.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Bismarck Expressway TYPE OF FINISH Galvanized
LIGHT NUMBER 14 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-7-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 at the Start of Exit Ramp to Bismarck Expressway
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks from all four anchor bolts traveling to the edge of the concrete base. None are larger than 5/1000 _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts. There is a slight lean at the top section of high mast.

GPS N 46° 49' 51.4" - Accuracy 19 ft
W 100° 44' 05.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Bismarck Expressway TYPE OF FINISH Galvanized
LIGHT NUMBER 16 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-7-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 in the Exit Ramp to Bismarck Expressway
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 49' 50.9" - Accuracy 20 ft
W 100° 43' 53.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Bismarck Expressway TYPE OF FINISH Galvanized
LIGHT NUMBER 18 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-7-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 in the Entrance Ramp From Bismarck Expressway
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are cracks from the anchor bolts traveling to the edge and down the side of concrete base.. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 49' 50.4" - Accuracy 17 ft
W 100° 43' 40.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Divide Ave TYPE OF FINISH Galvanized
LIGHT NUMBER 10 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-10-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT WB I-94 2nd High Mast East of Divide Ave Bridge
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack coming from the anchor bolt traveling to the edge and down the side of the concrete base. The largest is 5/1000.. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There are holes drilled in the center of the anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 49' 46.3" - Accuracy 21 ft
W 100° 48' 42.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Divide Ave TYPE OF FINISH Galvanized
LIGHT NUMBER 12 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-10-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT WB I-94 First High Mast East of the Divide Ave Bridge
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack coming from the SW and NE anchor bolts traveling to the edge and down the side of the concrete base. The largest is 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 49' 50.5" - Accuracy 18 ft
W 100° 48' 30.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Divide Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 8 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-10-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 First in the Exit Ramp to Divide Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 49' 44.4" - Accuracy 17 ft
W 100° 48' 51.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Divide Ave TYPE OF FINISH Galvanized
LIGHT NUMBER 6 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-10-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT SB Divide Ave in Entrance Ramp to WB I-94
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 49' 41.4" - Accuracy 19 ft
W 100° 49' 02.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Divide Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-10-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 at Gore Point from SB Divide Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack coming from the SW anchor bolt and traveling to the edge down the side of the concrete base. The width is 7/1000 _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 49' 37.6" - Accuracy 18 ft
W 100° 49' 09.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Divide Ave TYPE OF FINISH Galvanized
LIGHT NUMBER 2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-10-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT WB I-94 at the End of Entrance Ramp from SB Divide Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are cracks coming from all four anchor bolts traveling to the edge and down the side. The largest is 20/1000 _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts. There is a slight lean to the north at the top section of the high mast.

GPS N 46° 49' 32.9" - Accuracy 18 ft
W 100° 49' 22.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Mandon Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-10-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT SB Mandan Ave just North of I-94

_____ FROM BASE
OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS the concrete base is visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is an opening in the rodent screen on the west side of the base.

GPS N 46° 50' 18.1" - Accuracy 16 ft
W 100° 52' 30.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Mandon Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-10-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT SB Mandon Ave in Entrance Ramp to WB I-94

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS There are multiple cracks in the concrete base. None are larger than 5/1000. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 19.4" - Accuracy 15 ft
W 100° 52' 39.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Mandon Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-10-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 at the end of Entrance Ramp from SB Mandan Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 23.0" - Accuracy 16 ft
W 100° 52' 58.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Mandon Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-10-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 ¼ Mile in Advance of Mandan Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS The concrete base was found to be visually acceptable. _____

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 18.8" - Accuracy 16 ft
W 100° 52' 49.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Mandon Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-10-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT NB Mandan Ave, Just South of I-94 at Entrance Ramp

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS There is a crack on the SW side of the concrete base. The width is 5/1000

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 13.8" - Accuracy 19 ft
W 100° 52' 21.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Mandon Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 6 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-10-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 at the End of Entrance Ramp from NB Mandon Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS The concrete base was found to be acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the SW at the top section of the high mast.

GPS N 46° 50' 12.1" - Accuracy 17 ft
W 100° 52' 12.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and West Midway Interchange TYPE OF FINISH Galvanized

LIGHT NUMBER 2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94. First High Mast East of Mandon Ave on South Side of I-94

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 05.6" - Accuracy 17 ft
W 100° 51' 50.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and West Midway Interchange TYPE OF FINISH Galvanized

LIGHT NUMBER 15 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94. First High Mast East of the Bus 94 and I-94 split

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NW at the top section of the high mast.

GPS N 46° 49' 28.7" - Accuracy 17 ft
W 100° 50' 50.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and West Midway Interchange TYPE OF FINISH Galvanized

LIGHT NUMBER 14 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94. Second High Mast East of the Bus 94 and I-94 split

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the south at the top section of the high mast.

GPS N 46° 49' 32.8" - Accuracy 17 ft
W 100° 51' 02.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and West Midway Interchange TYPE OF FINISH Galvanized

LIGHT NUMBER 11 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94. At the Bus 94 and I-94 split

_____ FROM BASE
OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 49' 32.4" - Accuracy 17 ft

W 100° 51' 12.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and West Midway Interchange TYPE OF FINISH Galvanized

LIGHT NUMBER 5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94. First High Mast in Median Just West of Bus 94 and I-94 split

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 49' 42.6" - Accuracy 16 ft

W 100° 51' 28.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 TYPE OF FINISH Galvanized
LIGHT NUMBER 4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-11-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT Second High Mast in Median Between EB I-94 and WB I-94 Just West of Bus I-94 and WB I-94 Split
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 49' 51.2" - Accuracy 16 ft
W 100° 51' 37.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and West Midway Interchange TYPE OF FINISH Galvanized

LIGHT NUMBER 3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94, Second High Mast East of Mandon Ave on South Side of I-94

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a moderate lean at the top section to the NW of the high mast.

GPS N 46° 49' 58.5" - Accuracy 17 ft
W 100° 51' 42.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and West Midway Interchange TYPE OF FINISH Galvanized

LIGHT NUMBER 10 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94. First High Mast East of Entrance Ramp from Bus 94

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 49' 30.6" - Accuracy 16 ft
W 100° 51' 16.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and West Midway Interchange TYPE OF FINISH Galvanized

LIGHT NUMBER 12 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94. Second High Mast East of Entrance Ramp from Bus 94

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the East at the top section of the high mast.

GPS N 46° 49' 25.8" - Accuracy 20 ft
W 100° 51' 05.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and West Midway Interchange TYPE OF FINISH Galvanized

LIGHT NUMBER 13 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94. Third High Mast East of Entrance Ramp from Bus 94

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the East at the top section of the high mast.

GPS N 46° 49' 21.2" - Accuracy 20 ft
W 100° 50' 54.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Divide Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94. Third High Mast West of Divide Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks coming from the anchor bolts and traveling to the edge and down the side. The largest is 10/1000.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 49' 28.1" - Accuracy 18 ft
W 100° 49' 31.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Divide Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94. Second High Mast West of Divide Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 49' 33.8" - Accuracy 17 ft
W 100° 49' 14.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Divide Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94. First High Mast West of Divide Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
_____ NUMBER OF PIECES _____

OFFSET _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 49' 38.1" - Accuracy 16 ft
W 100° 49' 00.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Divide Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 7 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94. In Circle Ramp to Divide Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts. There is a slight lean to the SE at the top section of the high mast.

GPS N 46° 49' 37.8" - Accuracy 16 ft
W 100° 48' 51.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Divide Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 9 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT Divide Ave in Entrance Ramp to EB I-94

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts. There is a slight lean to the SE at the top section of the high mast.

GPS N 46° 49' 41.5" - Accuracy 17 ft
W 100° 48' 46.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Divide Ave TYPE OF FINISH Galvanized

LIGHT NUMBER 11 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 at End of Entrance Ramp from Divide Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts. There is a slight lean to the South at the top section of the high mast.

GPS N 46° 49' 46.2" - Accuracy 16 ft
W 100° 48' 32.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and US-83 TYPE OF FINISH Galvanized

LIGHT NUMBER 21 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-11-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 at Start of Exit Ramp to US-83

OFFSET _____ FROM BASE
WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack at the SW anchor bolt that travels to the edge and down the side. The width is 7/1000.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 49' 52.0" - Accuracy 16 ft
W 100° 46' 39.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and East Midway Interchange TYPE OF FINISH Galvanized

LIGHT NUMBER 6 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 First High Mast West at Bridge

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. 3 of the 4 anchor bolts have holes drilled in the center, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 49' 19.1" - Accuracy 16 ft
W 100° 50' 16.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and East Midway Interchange TYPE OF FINISH Galvanized

LIGHT NUMBER 8 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 Third High Mast West of Bridge

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There are holes in the center of all 4 anchor bolts. 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright is cracked. There is a slight lean to the North at the top section of the high mast.

GPS N 46° 49' 24.7" - Accuracy 19 ft
W 100° 50' 39.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and East Midway Interchange TYPE OF FINISH Weathering

LIGHT NUMBER 7 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 Second Pole West of The Bridge

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the base weld is cracked and falling apart.

GPS N 46° 49' 20.7" - Accuracy 19 ft
W 100° 50' 27.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and East Midway Interchange TYPE OF FINISH Galvanizing

LIGHT NUMBER 9 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT In Exit Ramp to Bus 94 North EB I-94

_____ FROM BASE
OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is some minor chipping on the edge of the concrete base.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 49' 37.1" - Accuracy 18 ft
W 100° 51' 22.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and East Midway Interchange TYPE OF FINISH Galvanizing

LIGHT NUMBER 8 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT In Median between EB I-94 and EB I-94 Ramp

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 49' 38.7" - Accuracy 18 ft
W 100° 51' 30.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and West Midway Interchange TYPE OF FINISH Galvanizing

LIGHT NUMBER 7 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT In Median between EB I-94 Ramp and WB I-94 Ramp

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 49' 42.7" - Accuracy 16 ft
W 100° 51' 37.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and West Midway Interchange TYPE OF FINISH Galvanizing

LIGHT NUMBER 6 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT In the EB I-94 Ramp to EB I-94 / Bus Rt 94

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 49' 43.8" - Accuracy 13 ft
W 100° 51' 48.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and East Midway Interchange TYPE OF FINISH Galvanizing

LIGHT NUMBER 10 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94, 2nd High Mast West of Bus 94 and EB I-94 split

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 13/1000.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There are holes drilled in the center of all four (4) anchor bolts, ¼" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NW at the top section of the high mast.

GPS N 46° 49' 16.6" - Accuracy 18 ft
W 100° 50' 44.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and East Midway Interchange TYPE OF FINISH Galvanizing

LIGHT NUMBER 9 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94, 1st High Mast West of Bus 94 and EB I-94 split

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack in the concrete base at the SW anchor bolt. The width is 7/1000

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There are holes drilled in the center of all four (4) anchor bolts, ¼" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base is cracked and falling apart.

GPS N 46° 49' 11.9" - Accuracy 18 ft
W 100° 50' 32.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and East Midway Interchange TYPE OF FINISH Weathering

LIGHT NUMBER 1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB Bus I-94, Just South of the Rail Road Bridge

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There are holes drilled in the center of all four (4) anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the north of the top section of the high mast. The grout under the upright base is cracked and falling apart.

GPS N 46° 48' 55.5" - Accuracy 18 ft
W 100° 50' 10.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and US-83 TYPE OF FINISH Weathering

LIGHT NUMBER Station Mark 413 + 57 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 Just West of US-83 Bridge

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 7/1000.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NE of the top section of the high mast. There is no grout under the upright base, and there is no rodent screen around the leveling nuts.

GPS N 46° 49' 54.5" - Accuracy 19 ft
W 100° 46' 24.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and US-83 TYPE OF FINISH Weathering
LIGHT NUMBER Station Mark 407 +50 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-12-11
DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT SB US 83 in the Entrance Ramp to WB I-94
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 10/1000.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NE of the top section of the high mast. The grout under the upright base is cracked and falling apart.

GPS N 46° 49' 55.0" - Accuracy 16 ft
W 100° 46' 33.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Memorial Bridge TYPE OF FINISH Galvanizing

LIGHT NUMBER 2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY Bus 94 DIRECTION _____

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT SB Bus 94, ¼ mile North of Memorial Highway Split

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is severe cracking in the concrete base. The concrete is breaking apart on the top and the sides..

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolts, ¼" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 48' 46.8" - Accuracy 16 ft
W 100° 50' 00.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and Memorial Bridge TYPE OF FINISH Galvanizing
LIGHT NUMBER 3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-12-11
DISTRICT Bismarck HIGHWAY Bus 94 DIRECTION SB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT SB Bus 94, in Median between SB Bus 94 and Memorial Highway Split
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is severe cracking in the concrete base.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NE at the top section of the high mast.

GPS N 46° 48' 41.5" - Accuracy 19 ft
W 100° 49' 52.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Bus 94 and Memorial Bridge TYPE OF FINISH Galvanizing

LIGHT NUMBER 5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY Bus 94 DIRECTION SB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is severe cracking in the concrete base.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NE at the top section of the high mast.

GPS N 46° 48' 27.9" - Accuracy 20 ft
W 100° 49' 42.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I- 94 and Memorial Bridge TYPE OF FINISH Galvanizing

LIGHT NUMBER 6 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY Bus 94 DIRECTION SB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT In Circle Ramp to I-94

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **2** FOUNDATIONS: There is severe cracking in the concrete base.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested. There is a hole drilled in the center of all six (6) anchor bolts, ¼ diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base is cracked.

GPS N 46° 48' 26.6" - Accuracy 17 ft
W 100° 49' 34.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Bus 94 and Memorial Bridge TYPE OF FINISH Galvanizing
LIGHT NUMBER 1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-12-11
DISTRICT Bismarck HIGHWAY Bus 94 DIRECTION NB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT NB Bus 94, Just North of Bus 94 / Memorial Highway Split
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: The concrete base has severe cracking. Pieces of the base are falling off. .

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolts, ¼ diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base is cracked.

GPS N 46° 48' 57.9" - Accuracy 18 ft
W 100° 50' 01.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and East Midway Interchange TYPE OF FINISH Galvanizing

LIGHT NUMBER 2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY Bus 94 DIRECTION NB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT NB Bus 94, at split for EB 94 / WB 94

_____ FROM BASE
OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 49' 04.3" - Accuracy 16 ft
W 100° 50' 13.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Bus 94 and East Midway Interchange TYPE OF FINISH Weathering

LIGHT NUMBER 11 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION SW

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 In Circle Ramp to SB Bus 94

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolts, ¼" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base is cracked. There is a slight lean to the NE at the top section of the high mast.

GPS N 46° 49' 15.6" - Accuracy 18 ft
W 100° 50' 30.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Bus 94 and East Midway Interchange TYPE OF FINISH Weathering

LIGHT NUMBER 4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-12-11

DISTRICT Bismarck HIGHWAY Bus 94 DIRECTION NB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT In the NW Circle Ramp

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **2** FOUNDATIONS: There is severe cracking in the concrete base. There are pieces of the base falling apart.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 48' 33.1" - Accuracy 15 ft
W 100° 49' 45.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I- 94 and East Midway Interchange TYPE OF FINISH Galvanized

LIGHT NUMBER 1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-13-11

DISTRICT Bismarck HIGHWAY I- 94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94, First Structure East of Mandon Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NE at the top section of the high mast.

GPS N 46° 50' 08.4" - Accuracy 15 ft
W 100° 52' 02.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Bus 94 and Memorial Bridge TYPE OF FINISH Galvanized

LIGHT NUMBER 7 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-13-11

DISTRICT Bismarck HIGHWAY Bus 94 DIRECTION SB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT SB Bismarck Expressway, First High Mast North of McKenzie Drive

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: Natural wear of the concrete base.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolts

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the West at the top section of the high mast. The grout under the upright is cracked.

GPS N 46° 48' 19.8" - Accuracy 15 ft
W 100° 49' 38.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Bismarck Highway and McKenzie Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-13-11

DISTRICT Bismarck HIGHWAY Bismarck Highway DIRECTION SB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT Bismarck Expressway, In Exit Ramp to McKenzie Drive

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: Some minor chipping on the edge of the concrete base.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolt, ¼ diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the West at the top section of the high mast. The rodent screen is missing around the leveling nuts.

GPS N 46° 48' 03.6" - Accuracy 19 ft
W 100° 49' 36.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Bismarck Highway and McKenzie Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-13-11

DISTRICT Bismarck HIGHWAY Bismarck Highway DIRECTION NB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT NB Bismarck Expressway at the beginning of Exit Ramp to McKenzie Drive

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolt, ¼ diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 47' 52.4" - Accuracy 17 ft
W 100° 49' 24.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Bismarck Highway and McKenzie Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-13-11

DISTRICT Bismarck HIGHWAY Bismarck Highway DIRECTION NB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT NB Bismarck Highway in Exit Ramp to McKenzie Drive

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolt, ¼ diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 48' 00.0" - Accuracy 18 ft
W 100° 49' 32.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Bismarck Highway and McKenzie Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-13-11

DISTRICT Bismarck HIGHWAY Bismarck Highway DIRECTION SB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT SB Bismarck Highway at End of Entrance Ramp from McKenzie Drive

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolt, ¼ diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 47' 53.6" - Accuracy 17 ft
W 100° 49' 31.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Bismarck Highway and McKenzie Drive TYPE OF FINISH Galvanized

LIGHT NUMBER 1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-13-11

DISTRICT Bismarck HIGHWAY Bismarck Highway DIRECTION NB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT NB Bismarck Highway at End of Entrance Ramp from McKenzie Drive

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack in the concrete base at the SW corner. It travels from the anchor bolt to the edge and down the side. The width is 7/1000.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolt, 1/4 diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts. There is a slight lean at the top section of the high mast to the NW.

GPS N 46° 48' 09.2" - Accuracy 17 ft
W 100° 49' 33.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Bus 94 and Memorial Bridge TYPE OF FINISH Galvanized

LIGHT NUMBER 8 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-13-11

DISTRICT Bismarck HIGHWAY Bus 94 DIRECTION NB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT NB Bismarck Highway, First high mast East of McKenzie Drive

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **3** FOUNDATIONS: There is severe cracking in the concrete foundation.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolt.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is missing around the leveling nuts.

GPS N 46° 48' 14.9" - Accuracy 18 ft
W 100° 49' 33.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and East Midway Interchange TYPE OF FINISH Galvanized

LIGHT NUMBER 5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-13-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94, Just East of Bismarck Highway Split

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 49' 20.7" - Accuracy 20 ft
W 100° 50' 02.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and East Midway Interchange TYPE OF FINISH Galvanized

LIGHT NUMBER 3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-13-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 Between EB I-94 and NB Bismarck Highway Ramp

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. None are larger than 5/1000.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all 4 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base is cracked and falling apart. The SE and NW leveling nuts are exposed. There is severe rusting on the nuts. It appears the leveling are starting to corrode. There is a slight lean to the NW at the top section of the high mast.

GPS N 46° 49' 12.2" - Accuracy 18 ft
W 100° 50' 21.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and East Midway Interchange TYPE OF FINISH Westhering

LIGHT NUMBER 4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-13-11

DISTRICT Bismarck HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 at the Entrance Ramp from Bismarck Highway

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 7/1000.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all 4 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the East at the top section of the high mast. The grout under the upright base is cracked and falling apart. The leveling nuts are exposed and there is severe rusting.

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Exit 258 / I-94 and 281 TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-13-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 at the Beginning of Exit Ramp to 281

OFFSET _____ FROM BASE
WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack in the concrete base coming from all 4 anchor bolts, to the edge and down the side. The largest is 7/1000.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is damaged.

GPS N 46° 53' 05.1" - Accuracy 18 ft
W 098° 42' 46.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Exit 258 / I-94 and 281 TYPE OF FINISH Galvanizing
LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-13-11
DISTRICT Valley City HIGHWAY I-94 DIRECTION EB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 at the End of Entrance Ramp from 281
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 53' 04.4" - Accuracy 15 ft
W 098° 42' 55.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Exit 260 / I-94 and E. Business Loop TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 in the Entrance Ramp from

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: There is some natural wear on the concrete base.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 53' 22.4" - Accuracy 14 ft
W 098° 40' 45.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Exit 258 / I-94 and 281 TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 in the Exit Ramp to 281

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 13/1000

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 53' 11.6" - Accuracy 14 ft
W 098° 43' 04.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Exit 258 / I-94 and 281 TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 in the Entrance Ramp to 281

_____ FROM BASE
OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack coming from all four (4) anchor bolts are traveling to the edge and down the side. The largest is 10/1000

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 53' 13.8" - Accuracy 16 ft
W 098° 43' 15.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Exit 258 / I-94 and 281 TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 at Start of Exit Ramp to 281

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **2** FOUNDATIONS: There is a crack coming from all four (4) anchor bolts are traveling to the edge and down the side. The largest is 7/1000

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 53' 13.1" - Accuracy 22 ft
W 098° 43' 23.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Exit 258 / I-94 and 281 TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 in Exit Ramp to 281

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **2** FOUNDATIONS: There is a crack coming from all four (4) anchor bolts are traveling to the edge and down the side. The largest is 10/1000

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 53' 06.9" - Accuracy 16 ft
W 098° 43' 05.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Exit 260 / I-94 and E. Bus Loop TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 in Exit Ramp to E. Bus Loop

_____ FROM BASE
OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ FOUNDATIONS:

→ ANCHOR BOLTS:

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The high Mast is surrounded by water. No access for inspections

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and E. Bus Loop TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT In Circle Ramp from E. Bus Loop to EB I-94

_____ FROM BASE
_____ WELDED _____ FROM BASE
_____ NUMBER OF PIECES _____

OFFSET _____

→ FOUNDATIONS:

→ ANCHOR BOLTS:

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The anchor bolts and base welds are completely submerged under water. No access for inspections.

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION Exit 260 / I-94 and E. Bus Loop TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 in Circle Ramp to E. Bus Loop

OFFSET _____ FROM BASE
WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ FOUNDATIONS:

→ ANCHOR BOLTS:

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The high mast is surrounded by water. No Access for inspection.

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and E. Bus Loop TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 at End of Entrance Ramp from E. Bus Loop

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ FOUNDATIONS:

→ ANCHOR BOLTS:

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The anchor bolts and base welds are completely submerged in water. No Access for inspection.

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and E. Bus Loop TYPE OF FINISH Galvanizing
LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-14-11
DISTRICT Valley City HIGHWAY I-94 DIRECTION WB
COUNTY _____ CONSTRUCTION DATE _____
REFERENCE POINT WB I-94 Just East of Rail Road, North side of bridge
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. Minor galvanizing damage on the upright and access door.

GPS N 46° 53' 25.2" - Accuracy 17 ft
W 098° 40' 33.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and E. Bus Loop TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 In Exit Ramp to 8th Ave

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 54' 37.3" - Accuracy 17 ft
W 098° 00' 38.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 8th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 at Start of Exit Ramp to 8th Ave

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 54' 37.0" - Accuracy 20 ft
W 098° 01' 02.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 8th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 in Entrance Ramp from 8th Ave

OFFSET _____ FROM BASE
WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 5/1000. There is some chipping on the edges of the base.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 54' 40.4" - Accuracy 16 ft
W 098° 00' 23.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 8th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 ¼ Mile East of 8th Ave

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 7/1000.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 54' 46.0" - Accuracy 16 ft
W 097° 54' 57.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 8th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 at the Beginning of Exit Ramp to 8th Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 54' 46.4" - Accuracy 17 ft
W 098° 00' 13.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 8th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 in Exit Ramp to 8th Ave

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 54' 42.1" - Accuracy 17 ft
W 098° 00' 34.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 8th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-14-11

DISTRICT Valley City HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 in Entrance Ramp from 8th Ave

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 54' 39.7" - Accuracy 17 ft
W 098° 00' 49.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 9th Street TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-C / 09-2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-17-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION EB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 in Exit Ramp to 9th Street

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 49.5" - Accuracy 16 ft
W 096° 53' 19.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 9th Street TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-C / 09-4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-17-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION EB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 Between Ramp to 9th Ave and Entrance Ramp from 9th Street

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the North at the top section of the high mast.

GPS N 46° 50' 47.5" - Accuracy 16 ft
W 096° 53' 07.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 9th Street TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-C / 09-5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-17-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 First High Mast in Entrance Ramp from 9th Street

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 54.0" - Accuracy 16 ft
W 096° 53' 03.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 9th Street TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-C / 09-3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-17-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY _____ CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 Second High Mast in Entrance Ramp from 9th Street
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 53.4" - Accuracy 16 ft
W 096° 53' 12.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 9th Street TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-C / 09-1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-17-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 Third High Mast in Entrance Ramp from 9th Street

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the west at the top section of the high mast.

GPS N 46° 50' 52.5" - Accuracy 16 ft
W 096° 53' 23.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 9th Street TYPE OF FINISH Galvanizing
LIGHT NUMBER ND-C / 09-6 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-17-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION EB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 First High Mast in Entrance Ramp from 9th Street
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 48.9" - Accuracy 16 ft
W 096° 52' 53.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 9th Street TYPE OF FINISH Galvanizing
LIGHT NUMBER ND-C / 09-8 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-17-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION EB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 Second High Mast in Entrance Ramp from 9th Street
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 49.6" - Accuracy 16 ft
W 096° 52' 46.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 9th Street TYPE OF FINISH Galvanizing
LIGHT NUMBER ND-C / 09-10 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-17-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION EB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 Third High Mast in Entrance Ramp from 9th Street
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 50.4" - Accuracy 17 ft
W 096° 52' 35.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 9th Street TYPE OF FINISH Galvanizing
LIGHT NUMBER ND-C / 09-9 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-17-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION WB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT WB I-94 at the Beginning of Exit Ramp to 9th Street
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 53.2" - Accuracy 15 ft
W 096° 52' 40.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 9th Street TYPE OF FINISH Galvanizing

LIGHT NUMBER _____ INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-17-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 in Exit Ramp to 9th Street

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 55.0" - Accuracy 15 ft
W 096° 52' 52.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 45th Street TYPE OF FINISH Galvanizing

LIGHT NUMBER C-99-1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-17-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION EB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 at beginning of Exit to 45th Street

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 50.4" - Accuracy 16 ft
W 096° 52' 14.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 45th Street TYPE OF FINISH Galvanizing

LIGHT NUMBER C-99-2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-17-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION EB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 in Exit Ramp to 45th Street

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 47.9" - Accuracy 16 ft
W 096° 51' 57.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 45th Street TYPE OF FINISH Galvanizing

LIGHT NUMBER CCE-3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-17-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION EB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 in Circle Ramp from 45th Street

_____ FROM BASE
OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ FOUNDATIONS:

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The nuts and washers are rusty and they appear to have started to corrode.

GPS N 46° 50' 47.7" - Accuracy 17 ft
W 096° 51' 45.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 45th Street TYPE OF FINISH Galvanizing

LIGHT NUMBER CCE-5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-17-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION EB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 in Entrance Ramp from 45th Street

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The anchor bolts above the nuts are rusty.

GPS N 46° 50' 19.8" - Accuracy 16 ft
W 096° 51' 38.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 45th Street TYPE OF FINISH Galvanizing

LIGHT NUMBER CCE-7 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-18-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 First High Mast in Exit Ramp to 45th Street

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the North at the top section of the high mast. The leveling nuts are rusty.

GPS N 46° 50' 52.4" - Accuracy 17 ft
W 096° 51' 13.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 45th Street TYPE OF FINISH Galvanizing

LIGHT NUMBER CCE-2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-18-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 First High Mast in Entrance Ramp from 45th Street

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is no grout under the upright base. The threaded area of anchor bolts are rusty.

GPS N 46° 50' 53.0" - Accuracy 16 ft
W 096° 51' 50.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 45th Street TYPE OF FINISH Galvanizing

LIGHT NUMBER CCE-1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-18-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 Second High Mast in Entrance Ramp from 45th Street

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested. There is a hole drilled in the center of all 4 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 53.0" - Accuracy 17 ft
W 096° 52' 04.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Galvanizing

LIGHT NUMBER CCE-11 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-18-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION EB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 Second High Mast in Exit Ramp to SB I-29

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks on the concrete base. The largest is 5/1000.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested. There is a hole drilled in the center of all 8 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout has broken apart under the upright exposing the leveling nuts. There is severe rusting on the anchor bolts below the base and the leveling nuts. Some of the leveling nuts are covered.

GPS N 46° 50' 48.0" - Accuracy 16 ft
W 096° 50' 30.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Galvanizing

LIGHT NUMBER C-00-8 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-18-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION EB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT EB I-94 Third High Mast in Exit Ramp to SB I-29

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 28.1" - Accuracy 16 ft
W 096° 50' 29.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 25th Street TYPE OF FINISH Galvanizing
LIGHT NUMBER NSP-20 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-18-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION WB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT WB I-94 Second High Mast West of 25th Street
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base has broken apart exposing expecting the leveling nuts.

GPS N 46° 50' 51.6" - Accuracy 16 ft
W 096° 49' 52.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Galvanizing
LIGHT NUMBER CCE-10 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-18-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION EB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 First High Mast in Exit Ramp to SB I-29
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 7/1000.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested. There is a hole drilled in the center of all 8 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base has broken apart exposing expecting the leveling nuts. There is severe rusting on the anchor bolts below the upright base and the leveling nuts. Some of the leveling nuts are corroded.

GPS N 46° 50' 49.2" - Accuracy 16 ft
W 096° 50' 37.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Galvanizing
LIGHT NUMBER NSP-26 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-18-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION WB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT WB I-94 Second High Mast in Exit Ramp to NB I-29
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 13/1000.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested. There is a hole drilled in the center of all 8 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base is cracked.

GPS N 46° 50' 52.0" - Accuracy 16 ft
W 096° 50' 16.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Galvanizing
 LIGHT NUMBER NSP-28 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
 INSPECTION DATE 10-18-11
 DISTRICT Fargo HIGHWAY I-94 DIRECTION WB
 COUNTY Cass CONSTRUCTION DATE _____
 REFERENCE POINT WB I-94 at End of Exit Ramp to NB I-29
 _____ FROM BASE
 _____ WELDED _____ FROM BASE
 _____ NUMBER OF PIECES _____
 OFFSET _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 15/1000.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested. There is a hole drilled in the center of all 8 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base has broken apart exposing the leveling nuts. There is severe rusting on the anchor bolts below the base welds and the leveling nuts. Some of the leveling nuts are corroded.

GPS N 46° 51' 11.5" - Accuracy 19 ft
 W 096° 50' 25.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Galvanizing

LIGHT NUMBER CCE-9 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-18-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 Second High Mast in Entrance Ramp from SB I-29
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all 8 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base is completely gone exposing the leveling nuts. There is a slight lean at the top section to the North of the High Mast.

GPS N 46° 50' 53.0" - Accuracy 17 ft
W 096° 50' 47.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Galvanizing
LIGHT NUMBER CCE-8 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-18-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION WB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT WB I-94 Third High Mast in Entrance Ramp from SB I-29
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all 8 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base is completely gone exposing the leveling nuts. There is a slight lean at the top section to the NE of the High Mast.

GPS N 46° 50' 52.2" - Accuracy 16 ft
W 096° 51' 00.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Galvanizing
LIGHT NUMBER NSP-24 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-18-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION EB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 in Circle Ramp to NB I-29
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all 8 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base is completely gone exposing the leveling nuts. There is a slight lean at the top section to the NE of the High Mast.

GPS N 46° 50' 47.0" - Accuracy 18 ft
W 096° 50' 22.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Weathering

LIGHT NUMBER NSP-25 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-18-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 First High Mast in Exit Ramp to NB I-29

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 10/1000.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all 8 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base has broken apart exposing to leveling nuts. There is severe rusting on the anchor bolts below the base and the leveling nuts. Some of the leveling nuts are corroded.

GPS N 46° 50' 51.8" - Accuracy 16 ft
W 096° 50' 05.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-94 TYPE OF FINISH Weathering

LIGHT NUMBER NSP-23 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-18-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION EB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 Between Circle Ramp from EB I-94 and Entrance Ramp to EB I-94

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 7/1000.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base has broken apart exposing the leveling nuts. There is severe rusting on the anchor bolts below the base and the leveling nuts. Some of the leveling nuts are corroded.

GPS N 46° 50' 43.6" - Accuracy 16 ft
W 096° 50' 25.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Weathering

LIGHT NUMBER NSP-21 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-18-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION EB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 1st High Mast in Entrance Ramp to EB I-94

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is some chipping of the concrete base on the edges.

→ **1** ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all 4 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base is completely gone, exposing the leveling nuts. The leveling nuts are rusty.

GPS N 46° 50' 48.9" - Accuracy 15 ft
W 096° 50' 08.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Weathering

LIGHT NUMBER NSP-22 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-18-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION EB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 1st High Mast in Entrance Ramp to EB I-94

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base is completely gone, exposing the leveling nuts. The leveling nuts are rusty. There is a slight lean to the NE at the top of the high mast.

GPS N 46° 50' 33.9" - Accuracy 17 ft
W 096° 50' 25.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 32nd Ave TYPE OF FINISH Weathering

LIGHT NUMBER C-00-6 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 First High Mast in Exit Ramp to 32nd Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 5/1000.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 14.3" - Accuracy 16 ft
W 096° 50' 27.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Weathering

LIGHT NUMBER CCE-12 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 in Circle Ramp to SB I-29

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 7/1000.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested. There is a hole drilled in the center of all 8 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base has completely broken apart exposing the leveling nuts. There is severe rusting on the anchor bolts below the base and the leveling nuts. Some of the leveling nuts are corroded.

GPS N 46° 50' 53.0" - Accuracy 14 ft
W 096° 50' 32.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 32nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER C-00-5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I29 second High Mast in Exit Ramp to 32nd Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 50' 03.4" - Accuracy 16 ft
W 096° 50' 27.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 32nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER C-00-4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 First High Mast in Entrance Ramp from 32nd Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 49' 54.8" - Accuracy 16 ft
W 096° 50' 30.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 32nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER C-00-2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 Second High Mast in Entrance Ramp from 32nd Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 49' 44.3" - Accuracy 17 ft
W 096° 50' 26.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 32nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER C-00-1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 First High Mast in Exit Ramp from 32nd Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NW at the top section of the high mast.

GPS N 46° 49' 36.8" - Accuracy 16 ft
W 096° 50' 21.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 32nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER C-00-3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 Second High Mast in Exit Ramp from 32nd Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NW at the top section of the high mast.

GPS N 46° 49' 51.9" - Accuracy 15 ft
W 096° 50' 20.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 32nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER E-001-1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 First High Mast in Entrance Ramp from 32nd Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 49' 59.8" - Accuracy 15 ft
W 096° 50' 21.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 32nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER E-001-2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 Second High Mast in Entrance Ramp from 32nd Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NW at the top section of the high mast.

GPS N 46° 50' 08.5" - Accuracy 16 ft
W 096° 50' 22.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 32nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER C-00-7 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 ½ Mile North of 32nd Ave

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NW at the top section of the high mast.

GPS N 46° 50' 21.4" - Accuracy 16 ft
W 096° 50' 24.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Weathering

LIGHT NUMBER NSP-27 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 in Circle Ramp to WB I-94

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 7/1000.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base is cracked and breaking a part exposing the leveling nuts. There is severe rusting on the anchor bolts below the base and the leveling nuts. Some of the leveling nuts are corroded.

GPS N 46° 50' 53.7" - Accuracy 16 ft
W 096° 50' 25.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Weathering

LIGHT NUMBER CCE-14 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 First High Mast in Entrance Ramp from SB I-29

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. .

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There is a hole drilled in the center of all four (4) anchor bolts, ¼" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NW at the top section of the high mast.

GPS N 46° 51' 04.5" - Accuracy 16 ft
W 096° 50' 30.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and I-29 TYPE OF FINISH Galvanizing

LIGHT NUMBER CCE-13 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 Between SB I-29 and Entrance Ramp to WB I-94

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 5/1000

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested. There is a hole drilled in the center of all 8 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright base has completely broken apart, exposing the leveling nuts. There is severe rusting on the anchor bolts below the base and the leveling nuts. Some of the leveling nuts are corroded.

GPS N 46° 50' 58.5" - Accuracy 16 ft
W 096° 50' 29.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 52nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER NDC / C8-7 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 In Exit Ramp to 52nd Ave

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 48' 25.8" - Accuracy 16 ft
W 096° 50' 23.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 52nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER NDC / C8-8 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass

CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 In Circle Ramp from 52nd Ave

OFFSET _____

_____ FROM BASE
WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 48' 17.1" - Accuracy 18 ft
W 096° 50' 24.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 52nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER NDC / 08-1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 Second High Mast in Entrance Ramp from 52nd Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 47' 58.9" - Accuracy 18 ft
W 096° 50' 22.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 52nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER NDC / 08-3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 First High Mast in Entrance Ramp from 52nd Ave

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 48' 09.0" - Accuracy 16 ft
W 096° 50' 24.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 52nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER NDC / 08-2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 in Exit Ramp to 52nd Ave

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 48' 05.1" - Accuracy 17 ft
W 096° 50' 17.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 52nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER NDC / 08-4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 in Circle Ramp from 52nd Ave

_____ FROM BASE
OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 48' 12.8" - Accuracy 16 ft
W 096° 50' 15.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 52nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER NDC / 08-8 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 in Second High Mast in Entrance Ramp from 52nd Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 48' 32.0" - Accuracy 15 ft
W 096° 50' 18.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 52nd Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER NDC / 08-6 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 First High Mast in Entrance Ramp from 52nd Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is a crack in the concrete base at the SE anchor bolt. The width is 5/1000.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 48' 21.0" - Accuracy 16 ft
W 096° 50' 15.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 45th Street TYPE OF FINISH Weathering

LIGHT NUMBER CCE-66 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-19-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 First High Mast in Entrance Ramp from 52nd Ave

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested. There are holes drilled in the center of all 4 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NE at the top section of the high mast. The leveling nuts are rusty.

GPS N 46° 50' 52.6" - Accuracy 15 ft
W 096° 51' 26.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 12th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER CCE-17 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-20-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 In Entrance Ramp from 19th Ave

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 53' 16.8" - Accuracy 18 ft
W 096° 50' 25.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and 19th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-E-06-3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-20-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 ¼ Mile South of 19th Street

_____ FROM BASE
_____ WELDED _____ FROM BASE
_____ NUMBER OF PIECES _____

OFFSET _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 53' 52.1" - Accuracy 16 ft
W 096° 50' 19.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and 19th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-E-06-4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-20-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 in Exit Ramp to 19th Ave

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 54' 18.8" - Accuracy 16 ft
W 096° 50' 19.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and 19th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-E-06-5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-20-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 First High Mast in Entrance Ramp from 19th Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the West at the top section of the high mast.

GPS N 46° 54' 19.3" - Accuracy 16 ft
W 096° 50' 16.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and 19th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-E-06-6 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-20-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 Second High Mast in Entrance Ramp from 19th Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 54' 32.6" - Accuracy 17 ft
W 096° 50' 19.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-94 and 19th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-E-06-7 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-20-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 Third High Mast in Entrance Ramp from 19th Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 54' 40.4" - Accuracy 16 ft
W 096° 50' 19.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and 19th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-E-06-5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-20-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 in Exit Ramp to 19th Ave

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 54' 24.7" - Accuracy 17 ft
W 096° 50' 23.9"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and 19th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-E-06-4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-20-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 First High Mast in Entrance Ramp from 19th Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NW at the top section of the High Mast.

GPS N 46° 54' 17.1" - Accuracy 17 ft
W 096° 50' 27.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and 19th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-E-06-3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-20-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 Second High Mast in Entrance Ramp from 19th Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 54' 02.1" - Accuracy 17 ft
W 096° 52' 23.7"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and 19th Ave TYPE OF FINISH Weathering

LIGHT NUMBER ND-E-06-2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-20-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 At beginning of Exit Ramp to 12th Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: There is a moderate lean to the NE at the top section of the high mast. The grout under the upright base is completely gone exposing the leveling nuts.

GPS N 46° 53' 43.1" - Accuracy 17 ft
W 096° 50' 24.4"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and 12th Ave TYPE OF FINISH Weathering

LIGHT NUMBER ND-E-06-1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-20-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 In Circle Ramp from 12th Ave

_____ FROM BASE
OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a moderate lean to the NE at the top section of the high mast. The grout under the upright base is completely gone exposing the leveling nuts.

GPS N 46° 53' 27.6" - Accuracy 18 ft
W 096° 50' 25.3"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and 12th Ave TYPE OF FINISH Weathering

LIGHT NUMBER CCE-16 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-20-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 Just South of 7th Ave Bridge

_____ FROM BASE
OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a moderate lean to the North at the top 2 sections of the high mast. The grout under the upright base is completely gone exposing the leveling nuts.

GPS N 46° 52' 58.7" - Accuracy 16 ft
W 096° 50' 26.0"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and Main Ave TYPE OF FINISH Weathering

LIGHT NUMBER E-04-6 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-20-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29 First High Mast in Exit Ramp to Main Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 13/1000.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Eight (8) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout under the upright is completely gone exposing the leveling nuts.

GPS N 46° 52' 45.4" - Accuracy 16 ft
W 096° 50' 27.1"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and Main Ave TYPE OF FINISH Weathering
LIGHT NUMBER E-04-4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-20-11
DISTRICT Fargo HIGHWAY I-29 DIRECTION SB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT SB I-29 Second High Mast in Exit Ramp to Main Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. .

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NW at the top section of the high mast. The grout under the upright is completely gone exposing the leveling nuts.

GPS N 46° 52' 34.4" - Accuracy 17 ft
W 096° 50' 28.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and Main Ave TYPE OF FINISH Weathering
LIGHT NUMBER E-04-4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-20-11
DISTRICT Fargo HIGHWAY I-29 DIRECTION SB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT SB I-29 Third High Mast in Exit Ramp to Main Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. .

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NE at the top section of the high mast. The grout under the upright is completely gone exposing the leveling nuts.

GPS N 46° 52' 35.2" - Accuracy 18 ft
W 096° 50' 33.8"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and Main Ave TYPE OF FINISH Weathering
LIGHT NUMBER E-04-2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-20-11
DISTRICT Fargo HIGHWAY I-29 DIRECTION SB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT SB I-29 First High Mast in Entrance Ramp from Main Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. .

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. There is a slight lean to the NE at the top section of the high mast. The grout under the upright is completely gone exposing the leveling nuts.

GPS N 46° 52' 32.5" - Accuracy N/A
W 096° 50' 29.2"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and Main Ave TYPE OF FINISH Weathering
LIGHT NUMBER NSP-40 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-20-11
DISTRICT Fargo HIGHWAY I-29 DIRECTION SB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT SB I-29 Second High Mast in Entrance Ramp from Main Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 10/1000. The NE Corner at the base is chipped.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The rodent screen is broken on the south side of the high mast.

GPS N 46° 52' 24.1" - Accuracy 17 ft
W 096° 50' 30.5"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and 13th Ave TYPE OF FINISH Galvanizing
LIGHT NUMBER E-02-3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-20-11
DISTRICT Fargo HIGHWAY I-29 DIRECTION SB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT SB I-29 First High Mast in Exit Ramp 10 13th Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base is found to be visually acceptable.

→ ANCHOR BOLTS: Ultrasound Testing was found to be acceptable- Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable.

GPS N 46° 51' 58.7" - Accuracy 16 ft
W 096° 50' 32.6"

HIGH MAST STRUCTURE INSPECTION REPORT FORM

INTERSECTION I-29 and Main Ave TYPE OF FINISH Weathering
LIGHT NUMBER NSP-38 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-20-11
DISTRICT Fargo HIGHWAY I-29 DIRECTION SB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT SB I-29 Third High Mast in Entrance Ramp from Main Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ FOUNDATIONS:

→ ANCHOR BOLTS:

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The high Mast structure has been taken down and is lying next to the concrete foundation. The light fixture has been removed.

GPS N 46° 52' 09.1" - Accuracy 17 ft
W 096° 50' 31.8"

STREET LIGHT INSPECTION REPORT FORM

INTERSECTION I-29 and 13TH Ave TYPE OF FINISH Galvanizing
LIGHT NUMBER E-02-2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-20-11
DISTRICT Fargo HIGHWAY I-29 DIRECTION SB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT SB I-29 Second High Mast in Exit Ramp to 13th Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasonic testing was found to be acceptable – Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable,

GPS N 46° 52' 51.9" - Accuracy 15 ft
W 096° 50' 35.5"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 And University TYPE OF FINISH Weathering
LIGHT NUMBER NSD-3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-21-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION WB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT WB I-94, 4th High Mast East of University Drive
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasonic testing was found to be acceptable – Four (4) Bolts Tested. There is a hole drilled in the center of all 4 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable,

GPS N 46° 50' 56.0" - Accuracy 16 ft
W 096° 47' 14.8"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 And University TYPE OF FINISH Weathering
LIGHT NUMBER NSD-32 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-21-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION WB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT WB I-94, 5th High Mast East of University Drive
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasonic testing was found to be acceptable – Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. There is a slight lean to the North at the top section of the high mast. The leveling nuts are rusty.

GPS N 46° 50' 54.8" –
W 096° 47' 05.2"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 And 25th Ave TYPE OF FINISH Galvanizing
LIGHT NUMBER NSD-19 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-21-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION EB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 at Beginning of Exit Ramp to 25th Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasonic testing was found to be acceptable – Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. The grout is cracked under the upright base.

GPS N 46° 50' 49.0" – Accuracy 16 ft
W 096° 49' 38.3"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 And 25th Ave TYPE OF FINISH Galvanizing
LIGHT NUMBER NSD-15 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-21-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION EB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 First High Mast East of 25th Street
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasonic testing was found to be acceptable – Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. The grout is cracked under the upright base. There is a slight lean to the North at the top section of the high mast.

GPS N 46° 50' 49.2" – Accuracy 16 ft
W 096° 48' 59.3"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 And 25th Ave TYPE OF FINISH Galvanizing
LIGHT NUMBER NSD-13 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-21-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION EB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 Second High Mast East of 25th Street
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasonic testing was found to be acceptable – Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. The grout is cracked under the upright base.

GPS N 46° 50' 49.3" – Accuracy 16 ft
W 096° 48' 39.4"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 And 25th Ave TYPE OF FINISH Galvanizing
LIGHT NUMBER NSD-12 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-21-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION WB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT WB I-94 Second High Mast East of 25th Street
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasonic testing was found to be acceptable – Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. The grout is cracked under the upright base.

GPS N 46° 50' 52.3"
W 096° 48' 30.9"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 And University Drive TYPE OF FINISH Weathering

LIGHT NUMBER NSD-1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-21-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 First High Mast East of University Drive

OFFSET _____ FROM BASE
WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There is slight damage on the edges of the concrete base.

→ **1** ANCHOR BOLTS: Ultrasonic testing was found to be acceptable – Six (6) Bolts Tested. Holes drilled in the center.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. There is no rodent screen around the upright base.

GPS N 46° 50' 53.4" - Accuracy – 22 ft
W 096° 46' 54.5"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 And Main Ave TYPE OF FINISH Weathering
LIGHT NUMBER NSD-39 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-21-11
DISTRICT Fargo HIGHWAY I-29 DIRECTION NB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT NB I-29 , First High Mast in Exit Ramp to Main Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable. .

→ **1** ANCHOR BOLTS: Ultrasonic testing was found to be acceptable – Four (4) Bolts Tested. There are holes drilled in the center of all 4 anchor bolts, 1/4" diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. The grout under the upright base is cracked. There is a slight lean to the NE at the top section of the high mast.

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 And 13 Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER E-01-4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-21-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29 , Second High Mast in Entrance Ramp from 13th Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: Ultrasonic testing was found to be acceptable – Six (6) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable.

GPS N 46° 51' 50.8" - Accuracy 16 ft
W 096° 50' 27.1"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-29 and Main Ave TYPE OF FINISH Weathering
 LIGHT NUMBER NSP-37 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
 INSPECTION DATE 10-21-11
 DISTRICT Fargo HIGHWAY I-29 DIRECTION NB
 COUNTY Cass CONSTRUCTION DATE _____
 REFERENCE POINT NB I-29, 1/2 Mile South of Main Ave
 _____ FROM BASE
 _____ WELDED _____ FROM BASE
 _____ NUMBER OF PIECES _____
 OFFSET _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 7/1000.

→ **1** ANCHOR BOLTS: Ultrasonic testing was found to be acceptable – Eight (8) Bolts Tested. There is a hole drilled in the center of all 8 anchor bolts, 1/4 diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. The grout under the upright base is cracked and breaking apart exposing the leveling nuts. There is severe rusting on the anchor bolts below the base and leveling nuts. Some of the leveling nuts are corroded. There is a slight lean to the NE at the top section of the high mast.

GPS N 46° 52' 01.5" - Accuracy 15 ft
 W 096° 50' 29.0"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-29 and Main Ave TYPE OF FINISH Weathering
LIGHT NUMBER E-04-1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-21-11
DISTRICT Fargo HIGHWAY I-29 DIRECTION NB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT NB I-29, 2nd High Mast in Exit Ramp to Main Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 5/1000.

→ **1** ANCHOR BOLTS: Ultrasonic testing was found to be acceptable – Four (4) Bolts Tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is found to be acceptable. The grout under the upright base is completely gone exposing the leveling nuts.

GPS N 46° 52' 29.6" - Accuracy 15 ft
W 096° 50' 24.5"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-29 and 12th Ave TYPE OF FINISH Weathering

LIGHT NUMBER NSP-45 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-24-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29, at Start of Exit Ramp to 12th Ave

OFFSET _____ FROM BASE
WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS:

→ **1** ANCHOR BOLTS:

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The high mast has been removed and is lying next to the foundation.

GPS

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-29 and Main Ave TYPE OF FINISH Weathering
LIGHT NUMBER E-04-3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-24-11
DISTRICT Fargo HIGHWAY I-29 DIRECTION NB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT NB I-29, First High Mast in Entrance Ramp from Main Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

- **1** FOUNDATIONS: The concrete base is found to be visually acceptable.
- **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Eight (8) Bolts tested.

- BASE PLATES _____
- LIGHTS _____
- SAFETY CHAINS _____
- COATING _____
- LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable. The grout under the upright base is completely gone, exposing the leveling nuts.

GPS N 46° 52' 35.5" - Accuracy 15 ft
W 096° 50' 21.5"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-29 and Main Ave TYPE OF FINISH Weathering
LIGHT NUMBER NSP-44 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-24-11
DISTRICT Fargo HIGHWAY I-29 DIRECTION NB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT NB I-29, Second High Mast in Entrance Ramp from Main Ave
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ FOUNDATIONS: The ground is level with the concrete base. Unable to inspect

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Four (4) Bolts tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable.

GPS N 46° 52' 50.5" - Accuracy 15 ft
W 096° 50' 22.9"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-29 and 12th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-E-06-1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-24-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass

CONSTRUCTION DATE _____

REFERENCE POINT NB I-29, In Circle Ramp from 12th Ave

OFFSET _____

_____ FROM BASE
WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Six (6) Bolts tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable.

GPS N 46° 53' 23.9" - Accuracy 15 ft
W 096° 50' 19.4"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-29 and 12th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER ND-E-06-2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-24-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION NB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT NB I-29, in Entrance Ramp from 12th Ave

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **2** FOUNDATIONS: There are multiple cracks in the concrete base. The largest is 5/1000.

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Six (6) Bolts tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable.

GPS N 46° 53' 34.1" - Accuracy 17 ft
W 096° 50' 18.9"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-29 and 13th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER C-02-1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-24-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29, in Circle Ramp from WB 13th Ave

OFFSET _____ FROM BASE
WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Six (6) Bolts tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable.

GPS N 46° 51' 44.7" - Accuracy 18 ft
W 096° 50' 33.9"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-29 and 13th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER C-02-3 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-24-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29, First High Mast South of 13th Ave

OFFSET _____ FROM BASE
WELDED _____ FROM BASE
NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Six (6) Bolts tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable.

GPS N 46° 51' 39.1" - Accuracy 19 ft
W 096° 50' 31.3"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-29 and 13th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER C-02-2 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-24-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29, Second High Mast South of 13th Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Six (6) Bolts tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable.

GPS N 46° 51' 31.1" - Accuracy 17 ft
W 096° 50' 29.9"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-29 and 13th Ave TYPE OF FINISH Galvanizing

LIGHT NUMBER C-02-1 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-24-11

DISTRICT Fargo HIGHWAY I-29 DIRECTION SB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT SB I-29, Third High Mast South of 13th Ave

_____ FROM BASE
_____ WELDED _____ FROM BASE
_____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Six (6) Bolts tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable.

GPS N 46° 51' 17.6" - Accuracy 17 ft
W 096° 50' 29.1"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 and University Drive TYPE OF FINISH Weathering
LIGHT NUMBER NSP-7 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-24-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION EB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 in Entrance Ramp from University Drive
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Four (4) Bolts tested. There is a hole drilled in the center of all 4 bolts, ¼ diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable. The grout under the upright base is completely gone exposing the leveling nuts. The anchor bolts below the base and the leveling nuts are rusty.

GPS N 46° 50' 53.5" - Accuracy 16 ft
W 096° 47' 51.1"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 and University Drive TYPE OF FINISH Weathering
LIGHT NUMBER NSP-4 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-24-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION WB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT WB I-94 Third High Mast East of University Drive
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Four (4) Bolts tested. There is a hole drilled in the center of all 4 bolts, ¼ diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable. The grout under the upright base is completely gone exposing the leveling nuts. The leveling nuts are rusty.

GPS N 46° 50' 57.0" - Accuracy 16 ft
W 096° 47' 23.7"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 and University Drive TYPE OF FINISH Weathering

LIGHT NUMBER NSP-5 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-24-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 Second High Mast East of University Drive

OFFSET _____ WELDED _____ FROM BASE
NUMBER OF PIECES _____ FROM BASE

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Four (4) Bolts tested. There is a hole drilled in the center of all 4 bolts, ¼ diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable. The grout under the upright base is completely gone exposing the leveling nuts. The leveling nuts are rusty.

GPS N 46° 50' 57.4" - Accuracy 18 ft
W 096° 47' 32.4"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 and University Drive TYPE OF FINISH Weathering
LIGHT NUMBER NSP-6 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-24-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION WB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT WB I-94 First High Mast East of University Drive
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ FOUNDATIONS: The concrete base is buried.

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Four (4) Bolts tested. There is a hole drilled in the center of all 4 bolts, ¼ diameter.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable. The upright base is buried and we have to dig up the dirt in order to MT the base weld.

GPS N 46° 50' 57.3" - Accuracy 18 ft
W 096° 47' 41.4"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 and University Drive TYPE OF FINISH Galvanizing
LIGHT NUMBER NSP-10 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-24-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION WB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT WB I-94 Second High Mast in entrance Ramp from University Drive
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Four (4) Bolts tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT inspection for the base weld was found to be acceptable. The grout has completely broken apart under the upright base.

GPS N 46° 50' 54.3" - Accuracy 17 ft
W 096° 48' 12.0"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 and University Drive TYPE OF FINISH Galvanizing
LIGHT NUMBER NSP-11 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-24-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION EB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 First High Mast in Exit Ramp from University Drive
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Four (4) Bolts tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable. The grout is cracked under the upright base.

GPS N 46° 50' 50.8" - Accuracy 16 ft
W 096° 48' 21.6"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 and University Drive TYPE OF FINISH Galvanizing
LIGHT NUMBER NSP-9 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright
INSPECTION DATE 10-24-11
DISTRICT Fargo HIGHWAY I-94 DIRECTION EB
COUNTY Cass CONSTRUCTION DATE _____
REFERENCE POINT EB I-94 Second High Mast in Exit Ramp to University Drive
_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Four (4) Bolts tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable. The grout is cracked under the upright base.

GPS N 46° 50' 50.8" - Accuracy 16 ft
W 096° 48' 00.4"

HIGH MAST STRUCTURES INSPECTION REPORT FORM

INTERSECTION I-94 and University Drive TYPE OF FINISH Galvanizing

LIGHT NUMBER NSP-8 INSPECTORS TUV Rheinland Shawn Simon / Jeff Eckwright

INSPECTION DATE 10-24-11

DISTRICT Fargo HIGHWAY I-94 DIRECTION WB

COUNTY Cass CONSTRUCTION DATE _____

REFERENCE POINT WB I-94 First High Mast in Entrance Ramp from University Drive

_____ FROM BASE
_____ WELDED _____ FROM BASE
OFFSET _____ NUMBER OF PIECES _____

→ **1** FOUNDATIONS: The concrete base was found to be visually acceptable.

→ **1** ANCHOR BOLTS: The ultrasound testing is found to be acceptable. Four (4) Bolts tested.

BASE PLATES _____

LIGHTS _____

SAFETY CHAINS _____

COATING _____

LOWERING MECHANISM _____

COMMENTS: The MT Inspection for the base weld is acceptable. The grout is cracked and breaking apart under the upright base.

GPS N 46° 50' 56.9" - Accuracy 16 ft
W 096° 47' 57.3"