





NON-DESTRUCTIVE TESTING  
AND INSPECTION

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MAGNETIC PARTICLE INSPECTION REPORT

| CUSTOMER DATA    |                           |
|------------------|---------------------------|
| NAME             | Frontier City - Six Flags |
| ADDRESS          |                           |
| PURCHASE ORDER # |                           |
| ATTENTION        |                           |
| DAY              | THURSDAY                  |
| DATE             | 10/6/2022                 |

JOB NUMBER: SILVER BULLET SO#

APPLICABLE CODE: AWS D1.1 SEC 8.14.4 OF PART D; ASTM E-709

PROCEDURE # 3.0 MT-1 REVISION # 12 REV. DATE: 1/6/2022

| EQUIPMENT                    |                |
|------------------------------|----------------|
| EQUIPMENT MANUFACTURER       | MAGNAFLUX /    |
| EQUIPMENT MODEL NUMBER       | MODEL Y-8 /    |
| SERIAL NUMBER                | 1 /            |
| BLACK LIGHT MODEL NUMBER     |                |
| WHITE LIGHT MODEL NO. / TYPE |                |
| Equipment Description        | MAGNAFLUX YOKE |

| TECHNIQUE                  |                                                                    |
|----------------------------|--------------------------------------------------------------------|
| Circular Magnetization     | Longitudinal Magnetization <u>X</u> Multidirectional Magnetization |
| Prods                      | Direct Contact Yokes <u>X</u> Coil                                 |
| Continuous Method <u>X</u> | Residual Method                                                    |

| CLEANING                    |     |
|-----------------------------|-----|
| Precleaning Process Used:   | N/A |
| Post Cleaning Process Used: | N/A |

| PROCESS VARIABLES                                     |                                           |
|-------------------------------------------------------|-------------------------------------------|
| Dry Particles <u>X</u>                                | Wet Particles                             |
| Fluorescent                                           | Nonfluorescent (Color) <u>RED</u>         |
| Visible Wet                                           | Particle Batch# <u>65071019</u>           |
| White Contrast Paint Batch #                          |                                           |
| Magnetizing Current (Longitudinal): <u>115V, 4AMP</u> | Magnetizing Current (Circular):           |
| Material Tested and Thickness <u>P1 / 1" +</u>        | Demagnetization Technique Used <u>N/A</u> |

| QTY | PART #    | DESCRIPTION             | Surface condition | DEFECT | RESULTS | Comments                                                                                                                                         |
|-----|-----------|-------------------------|-------------------|--------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|     | SECTION 1 | STRUCTURAL SUPPORT WELD | Painted           | NONE   | WFMT OK | 20% LOOP STRUCTURE /<br>MOUNTING CROSS BRACE<br>WELDS. CORROSION<br>PRESENT IN SECTION 1 & 7<br>DUE TO WATER RETENTION<br>SINCE LAST INSPECTION. |
|     | SECTION 2 | STRUCTURAL SUPPORT WELD | Painted           | NONE   | WFMT OK |                                                                                                                                                  |
|     | SECTION 3 | STRUCTURAL SUPPORT WELD | Painted           | NONE   | WFMT OK |                                                                                                                                                  |
|     | SECTION 4 | STRUCTURAL SUPPORT WELD | Painted           | NONE   | WFMT OK |                                                                                                                                                  |
|     | SECTION 5 | STRUCTURAL SUPPORT WELD | Painted           | NONE   | WFMT OK |                                                                                                                                                  |
|     | SECTION 6 | STRUCTURAL SUPPORT WELD | Painted           | NONE   | WFMT OK |                                                                                                                                                  |
|     | SECTION 7 | STRUCTURAL SUPPORT WELD | Painted           | NONE   | WFMT OK |                                                                                                                                                  |
|     |           |                         |                   |        |         |                                                                                                                                                  |
|     |           |                         |                   |        |         |                                                                                                                                                  |
|     |           |                         |                   |        |         |                                                                                                                                                  |

Note:

RESULTS: NO ROUNDED OR LINEAR INDICATIONS FOUND AT TIME OF INSPECTION. MT IS  
ACCEPTABLE PER AWS D1.1 CLAUSE 8 PART C, TABLE 8.1

Supplies Used: 1LBS RED DRY PARTICLE

TECHNICIAN HRS. - ASST. HRS. - TRAVEL HRS. - MILEAGE - PERDIEM -

TECHNICIAN: NATHAN REZNICEK Nathan Reznicek LEVEL II Cert. Type. ASNT-#316590

ASSISTANT: - LEVEL - PAGE 1 OF 1

CUSTOMER REPRESENTATIVE:  TOTAL TIME 4