**磁粉检测报告**

报告编号: ZJC018-Z2-24-MT-003

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| 委托单位 | | 宿迁大道(迎宾大道至杨舍路)快速化改造工程施工项目SODDSG1标段 | | | | | 工程名称 | | 宿迁大道(迎宾大道至杨舍路)快速化改造工程施工项目 | | |
| 构件名称 | | PM30~PM31 简支组合梁 | | | | | 检测部位 | | Z2-L1-3 | | |
| 材质 | | Q345qD | | | 反差增强剂 | | FA-5 | | 检测数量 | | 153.872 m |
| 检测时机 | | 焊后24小时 | | | 磁悬液类型 | | 黑色水悬液 | | 检测比例 | | 100% |
| 仪器型号和编号 | | 磁粉探伤仪 SZ-C04 | | | 施加方法 | | 喷罐 | | 磁化电流/  提升力 | | >45N |
| 表面状况 | | 打磨 | | | 磁化方法 | | 连续湿法 | | 磁化时间 | | 1~3S |
| 采用标准和级别 | | GB/T 26951-2011  GB/T 26952-2011 2X级 | | | 灵敏度试片 | | A1 30/100标准试片 | | 观察环境 | | 检测表面>1000Lx |
| 检测部位及缺陷示意图：    说明：焊缝坐标方向为纵向焊缝从小桩号到大桩号；环向焊缝从左到右；竖直焊缝从上到下。 | | | | | | | | | | | |
| 检测结果：  依据上述标准及合格级别，本公司按照上述比例对上述检测部位焊缝进行了检测，检测结论合格，具体检测情况见下页检测结果表格。 | | | | | | | | | | | |
| 编制 |  | | 审核 |  | | 批准 | |  | | 日 期 | 2024.11.25 |

**磁粉检测结果**

报告编号: ZJC018-Z2-24-MT-003

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| 序号 | 构件或焊缝  编号 | 检测部位  (m) | 检测  长度  (m) | 缺陷  编号 | 缺陷  性质 | X  (mm) | 缺陷  尺寸  (mm) | 结论 |
| 1 | FJ1 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 2 | FJ2 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 3 | TJ1 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 4 | TJ2 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 5 | TJ3 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 6 | TJ4 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 7 | TJ5 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 8 | TJ6 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 9 | TJ7 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 10 | QB1-TJH1 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 11 | QB1-TJH2 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 12 | QB1-TJH3 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 13 | QB1-TJH4 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 14 | QB1-TJH5 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 15 | QB1-TJH6 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 16 | QB1-TJH7 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 17 | QB1-TJH8 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 18 | QB1-TJH9 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 19 | QB1-TJH10 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 20 | QB1-TJH11 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 21 | QB1-TJH12 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 22 | QB1-TJH13 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 23 | QB1-TJH14 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 24 | QB2-TJH1 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 25 | QB2-TJH2 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 26 | 检测人员  （资质等级 Ⅱ级） |  | | | 检测日期 | | 2024.10.20 | |
| 缺陷性质代号:  A-无缺陷；S-夹渣；P-气孔；C-裂纹；U-咬边；L-未熔合；X：距基准点距离；R1-返修一`次，R2-返修两次 | | | | | | | | |

**磁粉检测结果**

报告编号: ZJC018-Z2-24-MT-003（续1）

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 构件或焊缝  编号 | 检测部位  (m) | 检测  长度  (m) | 缺陷  编号 | 缺陷  性质 | X  (mm) | 缺陷  尺寸  (mm) | 结论 |
| 1 | QB2-TJH3 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 2 | QB2-TJH4 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 3 | QB2-TJH5 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 4 | QB2-TJH6 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 5 | QB2-TJH7 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 6 | QB2-TJH8 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 7 | QB2-TJH9 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 8 | QB2-TJH10 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 9 | QB2-TJH11 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 10 | QB2-TJH12 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 11 | QB2-TJH13 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 12 | QB2-TJH14 | (0~0.19)\*2 | 0.38 | / | A | / | / | 合格 |
| 13 | 以下空白 |  |  |  |  |  |  |  |
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| 26 | 检测人员  （资质等级 Ⅱ级） |  | | | 检测日期 | | 2024.10.20 | |
| 缺陷性质代号:  A-无缺陷；S-夹渣；P-气孔；C-裂纹；U-咬边；L-未熔合；X：距基准点距离；R1-返修一`次，R2-返修两次 | | | | | | | | |

**磁粉检测结果**

报告编号: ZJC018-Z2-24-MT-003（续2）

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 构件或焊缝  编号 | 检测部位  (m) | 检测  长度  (m) | 缺陷  编号 | 缺陷  性质 | X  (mm) | 缺陷  尺寸  (mm) | 结论 |
| 1 | DF1-3-1 | 0~3.316 | 3.316 | / | A | / | / | 合格 |
| 2 | DF1-3-2 | 0~1.268 | 1.268 | / | A | / | / | 合格 |
| 3 | DF1-3-3 | 0~3.316 | 3.316 | / | A | / | / | 合格 |
| 4 | DF1-3-4 | 0~1.268 | 1.268 | / | A | / | / | 合格 |
| 5 | ZG1-5-T1 | (0~3.351)\*2 | 6.702 | / | A | / | / | 合格 |
| 6 | ZG1-5-T2 | (0~1.28)\*2 | 2.56 | / | A | / | / | 合格 |
| 7 | ZG1-5-T3 | (0~3.351)\*2 | 6.702 | / | A | / | / | 合格 |
| 8 | ZG1-5-T4 | (0~1.28)\*2 | 2.56 | / | A | / | / | 合格 |
| 9 | HG1-3-T1 | (0~0.8)\*2 | 1.6 | / | A | / | / | 合格 |
| 10 | HG1-3-T2 | (0~1.28)\*2 | 2.56 | / | A | / | / | 合格 |
| 11 | HG1-3-T3 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 12 | HG1-3-T4 | (0~1.28)\*2 | 2.56 | / | A | / | / | 合格 |
| 13 | HG2-3-T1 | (0~0.8)\*2 | 1.6 | / | A | / | / | 合格 |
| 14 | HG2-3-T2 | (0~1.488)\*2 | 2.976 | / | A | / | / | 合格 |
| 15 | HG2-3-T3 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 16 | HG2-3-T4 | (0~1.488)\*2 | 2.976 | / | A | / | / | 合格 |
| 17 | HL1-5-T1 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 18 | HL1-5-T2 | (0~1.805)\*2 | 3.61 | / | A | / | / | 合格 |
| 19 | HL1-5-T3 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 20 | HL1-5-T4 | (0~1.805)\*2 | 3.61 | / | A | / | / | 合格 |
| 21 | HL2-5-T1 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 22 | HL2-5-T2 | (0~2.11)\*2 | 4.22 | / | A | / | / | 合格 |
| 23 | HL2-5-T3 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 24 | HL2-5-T4 | (0~2.11)\*2 | 4.22 | / | A | / | / | 合格 |
| 25 | HL3-5-T1 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 26 | 检测人员  （资质等级 Ⅱ级） |  | | | 检测日期 | | 2024.11.11 | |
| 缺陷性质代号:  A-无缺陷；S-夹渣；P-气孔；C-裂纹；U-咬边；L-未熔合；X：距基准点距离；R1-返修一`次，R2-返修两次 | | | | | | | | |

**磁粉检测结果**

报告编号: ZJC018-Z2-24-MT-003（续3）

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| 序号 | 构件或焊缝  编号 | 检测部位  (m) | 检测  长度  (m) | 缺陷  编号 | 缺陷  性质 | X  (mm) | 缺陷  尺寸  (mm) | 结论 |
| 1 | HL3-5-T2 | (0~2.11)\*2 | 4.22 | / | A | / | / | 合格 |
| 2 | HL3-5-T3 | (0~2)\*2 | 4.0 | / | A | / | / | 合格 |
| 3 | HL3-5-T4 | (0~2.11)\*2 | 4.22 | / | A | / | / | 合格 |
| 4 | 以下空白 |  |  |  |  |  |  |  |
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| 26 | 检测人员  （资质等级 Ⅱ级） |  | | | 检测日期 | | 2024.11.11 | |
| 缺陷性质代号:  A-无缺陷；S-夹渣；P-气孔；C-裂纹；U-咬边；L-未熔合；X：距基准点距离；R1-返修一`次，R2-返修两次 | | | | | | | | |

**磁粉检测结果**

报告编号: ZJC018-Z2-24-MT-003（续4）

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| 序号 | 构件或焊缝  编号 | 检测部位  (m) | 检测  长度  (m) | 缺陷  编号 | 缺陷  性质 | X  (mm) | 缺陷  尺寸  (mm) | 结论 |
| 1 | DF1-3-T1 | 0~3.316 | 3.316 | / | A | / | / | 合格 |
| 2 | DF1-3-T2 | 0~1.268 | 1.268 | / | A | / | / | 合格 |
| 3 | DF1-3-T3 | 0~3.316 | 3.316 | / | A | / | / | 合格 |
| 4 | DF1-3-T4 | 0~1.268 | 1.268 | / | A | / | / | 合格 |
| 5 | 以下空白 |  |  |  |  |  |  |  |
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| 26 | 检测人员  （资质等级 Ⅱ级） |  | | | 检测日期 | | 2024.11.25 | |
| 缺陷性质代号:  A-无缺陷；S-夹渣；P-气孔；C-裂纹；U-咬边；L-未熔合；X：距基准点距离；R1-返修一`次，R2-返修两次 | | | | | | | | |