| Client | RMS | **INSPECTION AND TEST PLAN FOR:**  **Erection of Pre-Tensioned Precast Bridge Members (B150)** | Inspection and Test Plan Number / Lot No: |
| --- | --- | --- | --- |
| Project No. / Name | A174 – Mandagery Bridge, Manildra | ITP004 |
| ITP prepared by | Dhruv Patel | Work Area: |
| ITP approved by | William Coady |  |
| Lot no. |  | Lot Description. |  |
| Lot Owner. |  | Lot commencement date. |  |

| **Legend:** | | W = Witness | | H = Hold | S = Surveillance | | ACPL = Abergeldie Contractors | | | | S/C = Subcontractor |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Activity No.# | Description | | Requirements / Reference | Acceptance Criteria | | Frequency | Inspection by who - SIGN | | | Comments / Attachments / Records | |
| S/C | ACPL | Client |
| 1 | **Safety Review** | | Project Safety Plan | * All site personnel inducted (includes environment and cultural) * Subcontractor’s safety plan/procedure approved | | Prior to work commencing |  |  |  |  | |  |
| 2 | **Environment** | | Project Environment Plan  G36 CL 3.1 | * Installation of soil erosion and sedimentation controls completed in accordance with ESC Plan and EMP * Identify and install appropriate warning signage at Environmental No-go zones. | | Prior to work commencing |  |  |  |  | |  |
| 3 | **Pre-Erection Requirements** | | B150.4.1 | * Prior to bringing any lifting equipment or plant to the Site provide drawings and calculations certified by a Chartered Professional Engineer with membership of Engineers Australia practicing in the field of geotechnical engineering (or equivalent) of any working platforms or supports required to keep the crane stable and safe during lifting operations at the site. * **HOLD POINT:** Submit to the Principal for acceptance details of the of the proposed lifting equipment and method together with certification, including calculations, by a Chartered Professional Engineer with membership of Engineers Australia practicing in the field of geotechnical engineering (or equivalent) that under the proposed set up and site conditions, the equipment nominated will be used within its safe working capacities. * **HOLD POINT:** Submit a certificate from an Engineer, certifying the structural adequacy and compliance of the proposed method of erection (including all supporting and bracing measures) and the falsework with any applicable regulations, Australian Standards, this Specification and relevant design requirements. The certificate shall be accompanied by any drawings necessary to clearly describe the proposed method of erection including detailed drawings of any supporting and bracing measures. | | Prior to work commencing |  | H |  | Relevant drawings and calculations | |  |
| 4 | **Conformity of Structural Members** | | B150.4.2 | * Do not erect any member until:  1. Full conformity records for that member have been made available to the Principal; 2. The concrete in the supporting members has attained at least 80% of the specified strength, and 3. The supporting framework for these members has been removed,   unless specified otherwise on the Drawings. | |  |  |  |  | Conformity records | |  |
| 5 | **Pre-Alignment** | | B150.4.3 | * At least one working day prior to erection, submit a certificate verifying that the location and levels of all permanent and temporary supports are in accordance with the profile shown on the Drawings. | |  |  |  |  | Pre-alignment survey | |  |
| 6 | **Joint Survey** | | B150.4.3  G71 | * Apply the requirements in RMS G71 for Joint survey to the verification of locations and levels of all permanent and temporary supports and the certification must conform to the requirements of RMS G71 for Product Conformity Survey * **HOLD POINT:** G71 Notification of Joint Survey of permanent and temporary supports for girder bridges * **HOLD POINT:** G71 Submission of survey report for permanent and temporary supports for girder bridges | |  |  | H |  |  | |  |
| 7 | **Erection** | | B150.6.1  B150.6.2 | * The erection operation must be supervised by an Engineer * Ensure that:  1. Each member is placed in position safely, without damage to the member or the structure; and 2. The intended permanent structural action of the member is not: 3. Restrained; or otherwise 4. Adversely affected by the process of erection or by movements which occur due to environmental or construction-related forces,   Before the member is finally integrated with the adjacent parts of the structure.   * Lift members only by the devices specified on the Drawings, unless approved otherwise by the Principal. The angle of the lifting sling must be specified at all times. * The mass of super T’s must be within the safe capacity of the equipment, as certified by an Engineer. | |  |  |  |  |  | |  |
| 8 | **Profile Diagram** | | B150.8 | * **HOLD POINT:** G71 Submission of Profile Diagram for girder bridges. * Before placing of the cast-in-place concrete, submit a diagram that sets out the profile of the completed member(s) in relation to the profile specified on the Drawings. For girder bridges this diagram must conform to the requirements of Specification RMS G71 for Product Conformity Survey and apply the associated Hold Point. | |  |  | H |  |  | |  |
| 9 | **Removal of Temporary Works** | | B150.9 | * Unless agreed otherwise by the Principal, remove all inserts and fixtures used solely for lifting or installation, temporary supports, packers, falsework and temporary bracing and carry out any repairs due to the use of such temporary works using suitable cementitious patching material to the specified finish as the Works proceed. | |  |  |  |  |  | |  |

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| **QA ENGINEER / SPE / PE SIGN OFF** | | |
| Name | Signature | Date |