US 61 CROSSING COMPRESSIVE PILE CAPACITIES
<table>
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<tr>
<th><strong>IE QMS - Americas</strong></th>
<th><strong>Independent Technical Review</strong></th>
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<tr>
<td><strong>Project Name</strong></td>
<td>Lake Maurepas Diversion</td>
</tr>
<tr>
<td><strong>Client</strong></td>
<td>CPRA</td>
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<tr>
<td><strong>Project Location</strong></td>
<td>St. John the Baptist</td>
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<tr>
<td><strong>PM</strong></td>
<td>Naveen Chilliara</td>
</tr>
<tr>
<td><strong>Project Number</strong></td>
<td>10001876</td>
</tr>
<tr>
<td><strong>PIC</strong></td>
<td>Mike Patomo</td>
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</table>

(This section is to be completed by the Project Manager or the PM's Designee.)

Assigned Reviewer: Dwayne Smith
Comments Required by: June 18, 2013
Work Product Originator: Ignacio Harrouch
Work Product to be Reviewed: Pile capacities
Review Scope: Check for technical completeness and applicability
Specific Instructions: Check for proper pile types, lengths, applicability, and report adequacy, validity, and completeness
Submitted by:

Project Manager Signature: [Signature]
Date: 9/30/13

(This Section is to be completed by the Reviewer.)

Select:
A. ☒ Reviewer has no comments.
or
B. ☐ Comments have been provided on:
   □ Marked directly on work product
   □ Comment and Disposition Form 3-5
   □ Other; Specify: Click to enter text.

Reviewer Signature: [Signature]
Date: 6/18/2013

(This section is to be completed by the Reviewer after verification of comment incorporation, if box B is checked off above.)

Select:
C. ☐ Verification of comment incorporation has been performed by Reviewer. There are no outstanding issues.
or
D. ☐ Verification of comment incorporation has been performed by Reviewer. Unresolved issues have been submitted to the Project Manager or Designee for resolution.
and
E. ☑ Reviewer asserts that the work product ITR is complete.

Reviewer Signature: [Signature]
Date: [Signature]

APPROVAL and DISTRIBUTION

☒ ITR is complete.

Project Manager or Designee Signature: [Signature]
Date: 9/30/13

Click here to enter a date.

Distribution:
- Project Central File – Quality File Folder
- Other – Specify: Enter names here.
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<td>PM</td>
<td>Naveen Chillara</td>
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<td>Project Number</td>
<td>10001876</td>
<td>PIC</td>
<td>Mike Patorno</td>
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</tbody>
</table>

(This section is to be completed by the Project Manager or the PM's Designee.)

Assigned Checker: Graham Forsythe

Comments Required by: June 18, 2013

Work Product Originator: Ignacio Harrouch

Work Product to be Checked: Pile capacities

☐ This Detail Check is a check for correctness, completeness and technical accuracy.
☐ This Detail Check is only a technical edit for format, spelling, grammar, pagination and readability.

Specific Instructions: Enter specific instructions for the work product.

Submitted by: [Signature]

Project Manager Signature: [Signature] 9/30/13

(This Section is to be completed by the Checker.)

Select:

A. ☐ Checker has no comments.

or

B. ☐ Comments have been provided on:
   ☐ Marked directly on work product
   ☐ Comment and Disposition Form 3-5
   ☐ Other; Specify: Discussed with originator

[Signature] 6/18/2013

Checker Signature: [Signature]

(This section is to be completed by the Checker after verification of comment incorporation, if box B is checked off above.)

Select:

C. ☐ Verification of comment incorporation has been performed by Checker. There are no outstanding issues.

or

D. ☐ Verification of comment incorporation has been performed by Checker. Unresolved issues have been submitted to the Project Manager or Designee for final resolution.

and

E. ☐ Checker asserts that the work product review is complete.

[Signature]

Checker Signature: [Signature]

APPROVAL and DISTRIBUTION

Detail Check is complete.

[Signature] 9/30/13

Click here to enter a date.

Project Manager or Designee Signature

Distribution:

Project Central File – Quality File Folder
Other – Specify: Enter names here.

Date
Notes:  
1. Pile capacity curves represent axial resistance for a single pile and do not consider group effects.  
2. Curves indicate Ultimate Capacity; the appropriate safety factors should be applied to arrive at the Allowable Capacity.
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Required Safety Factors are:
- 3.0 for tension and compression w/o load test
- 2.0 for tension and compression with load test.

Required Safety Factors are:
- 1.5 for tension and compression w/o load test
- 1.5 for tension and compression with load test.
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- 3.0 for tension and compression w/o load test
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- 2.0 for tension and compression with load test.

Coastal Protection and Restoration Authority
Lake Maurepas Diversion
Pile Capacities: Highway US61 PPCP - 20 inch

Appendix
Notes:
1. Pile capacity curves represent axial resistance for a single pile and do not consider group effects.
2. Curves indicate Ultimate Capacity: the appropriate safety factors should be applied to arrive at the Allowable Capacity.