

Scour Sounding Report

DeIDOT Bridge Sounding Field Report Sheet

Bridge Number: _____ Inspection Date: _____ Inspected by: _____

| Distance Out From Face Of Bridge | | | | | Points Along Substructure Unit | | | | | Distance Out From Face Of Bridge | | | | |
|----------------------------------|-----|-----|-----|-----|--------------------------------|-----|-----|-----|-----|----------------------------------|-----|-----|-----|-----|
| 50' | 40' | 30' | 20' | 10' | END | 1/4 | C/L | 3/4 | END | 10' | 20' | 30' | 40' | 50' |

Thawleg (deepest points along the channel)

| | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

| | | | | | | | |
|-------------------------------|--|--|--|--|--|--|--|
| Substructure Unit #4 = | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|----------|--|--|--|--|--|--|--|
| B | | | | | | | |
|----------|--|--|--|--|--|--|--|

| | | | | | | | |
|-------------------------------|--|--|--|--|--|--|--|
| Substructure Unit #3 = | | | | | | | |
| A | | | | | | | |

| | | | | | | | |
|----------|--|--|--|--|--|--|--|
| B | | | | | | | |
|----------|--|--|--|--|--|--|--|

| | | | | | | | |
|-------------------------------|--|--|--|--|--|--|--|
| Substructure Unit #2 = | | | | | | | |
| A | | | | | | | |

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
|--|--|--|--|--|--|--|--|

| | |
|-------------------------------|--|
| Substructure Unit #1 = | |
|-------------------------------|--|

= Refer to 'General Notes' about blue blank boxes

Data Measurements Input

| | |
|---|---|
| Underclearance (Note #1) = <input style="width: 50px;" type="text"/> | Abutment width (Note #7) = <input style="width: 50px;" type="text"/> |
| Bottom of Abutment Footer (Note #2) = <input style="width: 50px;" type="text"/> | Thawleg is in span# = <input style="width: 50px;" type="text"/> |
| Bottom of Abutment Piles (Note #3) = <input style="width: 50px;" type="text"/> | Pier width (Note #8) = <input style="width: 50px;" type="text"/> |
| Bottom of Pier Footer (Note #4) = <input style="width: 50px;" type="text"/> | Number of Spans of Bridge = <input style="width: 50px;" type="text"/> |
| Bottom of Pier Piles (Note #5) = <input style="width: 50px;" type="text"/> | |
| Abutment sheeting bottom (Note #6) = <input style="width: 50px;" type="text"/> | Direction looking from Sub. Unit #1 to #4 = <input style="width: 50px;" type="text"/> |

Scour Sounding Sheet Notes & Guidelines

General Notes & Guidelines

- Note A:** If bridge has more than three spans, then only take soundings along the three main waterway spans. If only one main waterway span exists, then take the approach span on either side of the main span. This might result in Substructure Units #1 and/or 2 (as denoted on Sounding Sheet) being a Pier rather than an abutment. The Substructure Units shall be numbered in the same order as the spans are for each bridge.
- Note B:** If the bridge is only one span, then use the boxes along Substructure Units #1 & 4. If the bridge is two spans, then use the the boxes along Substructure Units #1, 2 & 4. Inspector shall insert '0.00' In all the boxes for the Substructure units that are not being used.
- Note C:** In the blue blank boxes, insert the word 'Abutment' if that particular substructure unit is an abutment or insert 'Pier' if it is a pier. If one of the substructure units is not being used, then insert "N/A".
- Note D:** All water depths are to be entered as a positive number and all depths at locations of sediment buildup are to be entered as a negative number.
- Note E:**

Data Measurements Notes

- Note #1:** Measurement location shall be marked above w/ a 'X' and subsequent inspections shall obtain measurement from same location. Underclearance is to be measured from bottom of superstructure to actual water surface at time of inspection.
- Note #2:** Input '999' if substructure unit is a Pier or if abutment doesn't have a footer and input '990' if footer location is unknown. Measurement shall be taken referenced from the same point as the underclearance location.
- Note #3:** Input a value of '999' if abutment doesn't have piles or if substructure unit is a pier and input '990' if pile tip elevation is unknown. Measurement shall be taken referenced from the same point as the underclearance location.
- Note #4:** Input a value of '999' if bridge is one span or if pier does not have footer and input '990' if pier footer location is unknown. Measurement shall be taken referenced from the same point as the underclearance location.
- Note #5:** Input a value of '999' if bridge is one span or if pier does not have piles and input '990' if pier pile tip elevation is unknown. Measurement shall be taken referenced from the same point as the underclearance location.
- Note #6:** If none of the substructure units are abutments, then input '999'. This may be sheeting along the footer of an abutment or the timber sheeting for a timber bridge.
- Note #7:** If none of the substructure units are abutments, then input '0.00'
- Note #8:** If none of the substructure units are piers, then input '0.00'