| Span # | Component | Location (ft. from nearest bent, | Bent # | Defect Description | Length(ft.) | Width(ft.) | *Depth(ft.) | Span # | Component | Location (ft. from nearest bent, | Bent # | Defect Description | Length(ft.) | Width(ft.) | *Depth(ft.) |
|------------|-------------------------------|--|------------|---|--------------|--------------|----------------|------------|---------------------------------|--|------------|---|--------------|--------------|----------------|
| | | etc) | | Delam at patch | | , | | 126 | Girder 1 | etc) 1' from bent, bottom right flange | 126 | Delam | | | |
| 114 | Girder 2 Lt. Deck Overhang | at bent, bottom left flange | 113 | Delam at patch | 2.5 1 | 0.5 1 | 0.5 0.167 | 126 | Girder 2 | 17' from bent | 126 | Delam at patch | 4 | 0.5 | 0.5 |
| 114 | Lt. Deck Overhang | mid span | 114 | Spalling/rebar exposed | 0.75 | 0.75 | 0.167 | 126 | Girder 2 | at bent, bottom right flange | 126 | Delam behind bearing | 0.75 | 0.75 | 0.25 |
| 114 | Under Deck | bay 3, 5' from bent | 114 | Spalling/rebar exposed | 1.25 | 0.5 | 0.167 | 127 | Girder 2 | at bent, bottom right flange | 126 | Spalling/strands exposed behind bearing | 0.75 | 0.75 | 0.25 |
| 114 | End Diaphragm | Al from hout bottom visibt flancia | 114 | Spalling/rebar exposed | 0.5 | 0.5 | 0.167 | 127 | Lt. Deck Overhang | | 126 | Spalling/rebar exposed | 0.75 | 0.75 | 0.167 0.167 |
| 115 115 | Girder 2 End Diaphragm | 4' from bent, bottom right flange at left overhang | 114 | Delam Spalling/rebar exposed | 1.5 1.5 | 0.5 | 0.167 | 127 127 | Under Deck Lt. Deck Overhang | bay 3, 6' from bent 6' from bent | 126 126 | Spalling/rebar exposed Delam | 0.75 | 0.75 | 0.167 |
| 115 | Girder 3 | 2' from bent, bottom right flange | 115 | Delam at patch | 1.75 | 0.5 | 0.5 | 127 | Lt. Deck Overhang | 2' from bent | 126 | Spalling/rebar exposed | 2.25 | 2.25 | 0.25 |
| 115 | Girder 4 | 8' from bent, bottom face | 115 | Delam at patch | 6 | 1.25 | 0.5 | 127 | Girder 2 | 21' from bent, bottom left flange | 126 | Spalling/strands exposed | 1.75 | 0.75 | 0.5 |
| 115 | Under Deck | bay 1, near bent | 115 | Spalling/rebar exposed | 0.5 | 0.5 | 0.167 | 127 127 | Girder 4 | 18' from bent, bottom left flange 6' from bent, bottom right flange | 126 127 | Delam at patch Spalling; delam at patch | 1.25 | 0.5 | 0.5 |
| 116 116 | Under Deck Under Deck | bay 2 bay 3 | 116 | Spalling/rebar exposed Delam | 0.5 | 0.5 0.75 | 0.167 0.167 | 127 | Lt. Deck Overhang | | 127 | Spalling/rebar exposed | 1.5 | 0.75 1.5 | 0.5 |
| 116 | Under Deck | bay 3 | 116 | Delam | 0.75 | 0.75 | 0.167 | 127 | Girder 4 | 12' from bent, bottom left flange | 127 | Delam at patch | 1.5 | 0.5 | 0.167 |
| 116 | Int. Diaphragm | bay 2 | 116 | (x2)Spalling/rebar exposed | 2 | 0.5 | 0.167 | 127 | Under Deck | bay 2, 8' from bent | 127 | (x3)Spalling/rebar exposed | 3.5 | 1.5 | 0.167 |
| 116 | Under Deck | bay 2, near bent | 116 | Spalling/rebar exposed; delam | 5 | 1 | 0.167 | 128 | Girder 4 | 1' from bent, bottom left flange | 127 | Spalling/strands exposed (30% loss) | 3 | 1 | 0.5 |
| 116 116 | Lt. Deck Overhang | · · | 116 | Spalling/rebar exposed | 0.75 1 | 0.75 1 | 0.167 | 128 128 | Under Deck Under Deck | bay 1, 4' from bent bay 3 | 128 128 | (x3)Spalling/rebar exposed Spalling/rebar exposed | 0.5 | 0.75 | 0.25 |
| 116 | Under Deck | bay 1 | 116 | Spalling/rebar exposed Spalling/steel exposed | 0.5 | 0.5 | 0.167 | 128 | Girder 4 | 25' from bent, bottom face | 128 | Spalling/strands broken | 5 | 1 | 0.167 |
| 117 | Rt. Deck Overhang | - | 116 | Delam | 1 | 1 | 0.167 | 129 | Girder 2 | at bent, bottom left flange | 128 | Cracking | 0.75 | 0.5 | 0.167 |
| 117 | Rt. Deck Overhang | at bent | 116 | Delam | 0.75 | 0.75 | 0.167 | 129 | Girder 4 | at bent, bottom left flange | 128 | Spalling/strands exposed (20% loss) | 3.25 | 1 | 0.5 |
| 117 | Under Deck | bay 1, near bent | 116 | (x1)Spalling/rebar exposed; (x1)Delam | 2 | 1.5 | 0.167 | 129 129 | Girder 4 Lt. Deck Overhang | 22' from bent, bottom face near bent | 128 128 | Spalling/broken strands | 7 | 1 | 1 |
| 117 117 | Girder 1 Girder 3 | 4' from bent, bottom right flange 17' from bent, bottom face | 116 116 | Spalling/strand exposed Spalling/steel exposed | 0.5 | 0.5 | 0.5 0.167 | 129 | Girder 2 | 6' from bent, bottom face | 128 | Spalling/rebar exposed Spalling | 1.25 | 0.5 1.75 | 0.167 |
| 117 | Girder 3 | 1' from bent, bottom left flange | 117 | Spalling/steel exposed Spalling | 2.25 | 0.5 | 0.167 | 129 | Girder 3 | 10' from bent | 129 | Delam at patch | 1.75 | 0.5 | 0.167 |
| 118 | Under Deck | bay 3 | 117 | Delam | 1 | 1 | 0.167 | 129 | Girder 1 | mid span, bottom face | 129 | Spalling/rebar exposed | 1 | 0.75 | 0.167 |
| 118 | Int. Diaphragm | bay 2, bottom face | 118 | Spalling/rebar exposed | 1.75 | 0.75 | 0.5 | 129 | Under Deck | bay 2, 5' from bent | 129 | Spalling/rebar exposed | 1 | 1.25 | 0.167 |
| 118 | Lt. Deck Overhang | near bent | 118 | Spalling/rebar exposed | 0.5 | 0.5 | 0.167 | 130 130 | Girder 2 Girder 2 | 6' from bent 5' from bent, bottom face | 129 130 | Spalling Delam | 1.5 | 0.75 | 0.167 |
| 118 119 | Under Deck Girder 3 | bay 1 12' from bent, bottom left flange | 118 | Delam Spalling/strands exposed | 0.75 1.25 | 0.5 | 0.167 | 130 | Lt. Deck Overhang | · · | 130 | (x2)Spalling/rebar exposed | 2.25 1.5 | 0.75 1.5 | 0.5 0.167 |
| 119 | Under Deck | bay 2, 8' from bent | 119 | (x3)Spalling/rebar exposed | 2.5 | 1 | 0.167 | 130 | Lt. Deck Overhang | | 130 | Delam | 1 | 1 | 0.167 |
| 119 | End Diaphragm | bay 2 | 119 | Spalling/rebar exposed | 2 | 1 | 0.5 | 131 | | at left overhang | 130 | Spalling/rebar exposed | 1 | 0.5 | 0.167 |
| 120 | End Diaphragm | bay 2 | 119 | Spalling/rebar exposed | 2 | 1 | 0.5 | 132 | Girder 4 | 8' from bent, bottom left flange | 131 | Delam | 1.25 | 0.5 | 0.5 |
| 120 120 | Girder 3 | at bent, bottom left flange | 119 | Spalling/strands exposed behind bearing | 1.25 | 0.75 | 0.25 | 132 | Under Deck Under Deck | bay 2 bay 2 | 131 | (x2)Spalling/rebar exposed (x4)Spalling/rebar exposed | 2 | 0.75 1.5 | 0.167 |
| 120 | | at bent, bottom race | 120 | (x2)Spalling/rebar exposed;(x2)Delam | 1.75 | 0.5 | 0.5 | 132 | Under Deck | bay 2 | 132 | Spalling/rebar exposed | 0.5 | 0.5 | 0.167 |
| 120 | Under Deck | bay 1, 2'&6' from bent | 120 | (x2)Spalling/rebar exposed | 1.75 | 1.5 | 0.167 | 133 | Lt. Deck Overhang | near mid span | 133 | Delam | 0.75 | 0.75 | 0.167 |
| 120 | Under Deck | bay 2, 5' from bent | 120 | Spalling/rebar exposed;delam | 1 | 0.75 | 0.167 | 133 | Under Deck | bay 3, at bent | 133 | Spalling/rebar exposed | 0.75 | 0.75 | 0.167 |
| 120 | Girder 2 | at bent, bottom right flange | 120 | Spalling/strands exposed | 1.5 | 0.5 | 0.5 | 134 | Under Deck Girder 1 | bay 3 10' from bent, bottom right flange | 133 | Spalling/rebar exposed Spalling/strands exposed | 0.75 | 0.75 | 0.167 |
| 120 120 | Girder 3 | at bent, bottom face at bent, both spans | 120 120 | Delam Spalling/rebar exposed; delam | 2 1.5 | 1.75 1.5 | 0.167 0.167 | 134 | Girder 1 | at bent, bottom face | 134 | Spalling/strands exposed (90% loss) | 3.5 | 0.75 1.25 | 0.33 |
| 121 | Girder 4 | 16' from bent, bottom left flange | 121 | Spalling, delam at patch | 1.5 | 0.5 | 0.167 | 134 | Under Deck | bay 2, 8' from bent | 134 | Spalling/rebar exposed | 1.25 | 1.25 | 0.167 |
| 121 | Under Deck | bay 3, near bent | 121 | (x2)Delam | 1.5 | 1.5 | 0.167 | 134 | Rt. Deck Overhang | near bent | 134 | Spalling/rebar exposed | 1 | 0.5 | 0.167 |
| 121 | Under Deck | bay 2, near bent | 121 | Delam | 1 | 1 | 0.167 | 134 | Rt. Deck Overhang | | 134 | Delam | 0.75 | 0.75 | 0.167 |
| 121 | Under Deck | bay 2, near bent | 121 | (x3)Spalling/rebar exposed | 1.5 | 1 | 0.167 | 135 | Girder 2 | at bent, bottom left flange | 134 | Spalling/strands exposed behind bearing | 1.25 | 0.75 | 0.167 |
| 121 121 | Girder 3 Girder 2 | at bent, bottom flange at bent, bottom flange | 121 | Delam at patch Delam at patch | 2 | 1 | 0.33 | 135 136 | Under Deck Under Deck | bay 1, 5' from bent bay 3, at bent | 135 135 | Spalling/rebar exposed Spalling/rebar exposed | 1.25 1.25 | 1.25 | 0.167 |
| 121 | Lt. Deck Overhang | | 121 | Spalling/rebar exposed; delam | 5 | 2 | 0.167 | 136 | Rt. Deck Overhang | | 136 | Spalling/rebar exposed | 0.75 | 0.5 | 0.167 |
| 121 | Lt. Deck Overhang | near bent | 121 | Spalling/steel exposed | 0.75 | 0.33 | 0.167 | 137 | Girder 2 | at bent, bottom right flange | 136 | Spalling/strands exposed behind bearing | 1 | 0.5 | 0.33 |
| 122 | Under Deck | bay 1, near bent | 121 | Spalling/rebar exposed | 0.75 | 0.75 | 0.167 | 137 | Girder 3 | at bent, bottom flange 12' from bent, bottom left flange | 136 136 | Delam, possibly at patch Spalling/strands exposed | 1 | 1 | 0.167 |
| 122 | Under Deck | bay 1, near bent | 122 | (x2)Spalling/rebar exposed; delam | 1.75 | 0.75 | 0.167 | 137 | | bay 2 | 136 | Spalling/rebar exposed | 2.25 | 0.33 | 0.33 |
| 122 | Under Deck Under Deck | bay 3, 12' from bent bay 3, 4' from bent | 122 | Spalling/rebar exposed Spalling/rebar exposed | 1 1.75 | 0.75 1.75 | 0.167 0.167 | 137 | Girder 2 | 21' from bent, bottom right flange | 136 | Spalling/strands exposed (10% loss) | 2.75 1.5 | 1.25 0.5 | 0.33 |
| 122 | Under Deck | bay 2, near bent | 122 | Spalling/rebar exposed; delam | 4 | 1 | 0.167 | 137 | Rt. Deck Overhang | 10' from bent | 137 | Spalling/rebar exposed | 1 | 0.75 | 0.167 |
| 122 | Girder 2 | 8' from bent, bottom face | 122 | Spalling/strands exposed | 1.25 | 0.75 | 0.25 | 137 | Under Deck | bay 1, near bent | 137 | (x3)Spalling/rebar exposed | 1.5 | 1 | 0.167 |
| 123 123 | Girder 3 | at bent, bottom right flange | 123 | Spalling; delam at patch Spalling/rebar exposed | 1.5 | 0.5 | 0.5 | 137 | Lt. Deck Overhang Under Deck | near bent bay 3. near mid span | 137 137 | Delam Spalling/steel exposed | 1 05 | 1 0.5 | 0.167 |
| 123 | End Diaphragm Girder 4 | bay 1 16' from bent | 123 | Delam and cracking | 1.75 1 | 0.5 | 0.25 | 138 | Girder 2 | 18' from bent, bottom face | 137 | Spalling/strands exposed (40% loss) | 0.5 3.25 | 0.5 | 0.167 |
| 124 | Rt. Deck Overhang | near mid span | 123 | Spalling/rebar exposed | 0.75 | 0.33 | 0.167 | 138 | Girder 2 | 21' from bent, bottom face | 137 | Spalling/strands exposed (10% loss) | 2.5 | 0.75 | 0.167 |
| 124 | Under Deck | bay 3 | 123 | (x2)Delam | 1.25 | 1.25 | 0.167 | 138 | Girder 3 | 8' from bent | 137 | Delam at patch | 2.5 | 1 | 0.75 |
| 124 124 | Lt. Deck Overhang Girder 3 | mid span 4' from bent | 124 124 | (x3)Spalling/rebar exposed Delam at patch | 1.75 | 0.75 | 0.167 | 138 | Girder 4 Under Deck | 2' from bent, bottom left flange bay 3 | 137 | Spalling/strands exposed (20% loss) Spalling/steel exposed | 3 | 1.25 | 0.167 |
| 124 | Girder 3 | 1' from bent 1' from bent, bottom left flange | 124 | Delam at patch | 1.5 0.75 | 0.5 0.75 | 0.5 0.167 | 138 | Under Deck | bay 2 | 138 | Spalling/steel exposed Spalling/rebar exposed | 0.5 | 0.5 | 0.167 0.167 |
| 124 | Girder 1 | at bent, bottom right flange | 124 | Spalling/strands exposed | 2 | 0.75 | 0.167 | 138 | Girder 2 | 10' from bent | 138 | Delam at patch | 1.25 | 0.5 | 0.167 |
| 124 | Girder 2 | 4' from bent, bottom right flange | 124 | Spalling; delam | 1.5 | 0.5 | 0.5 | 138 | | at left overhang | 138 | Spalling/rebar exposed | 1 | 0.75 | 0.33 |
| 124 | Under Deck | bay 1 | 124 | Spalling/rebar exposed | 0.75 | 0.75 | 0.167 | 139 | Girder 1 | 1' from bent, bottom right flange | 138 | Spalling/strands exposed | 1.75 | 0.5 | 0.5 |
| 124 125 | Girder 2 Rt. Deck Overhang | near bent, bottom left flange | 124 | Delam at patch Spalling/rebar exposed | 1.25 | 0.5 | 0.5 | 139 | Rt. Deck Overhang | bay 1, at bent | 138 | Spalling/rebar exposed Delam | 0.5 | 0.5 | 0.167 |
| 125 | End Diaphragm | bay 2 | 124 | Spalling/rebar exposed | 0.5 | 0.5 0.75 | 0.167 | 139 | Under Deck | bay 1, at bent | 139 | Spalling | 0.75 | 0.75 | 0.167 0.167 |
| 125 | Lt. Deck Overhang | | 124 | Spalling/rebar exposed | 0.75 | 0.75 | 0.167 | 139 | Girder 4 | 2' from bent, bottom left flange | 139 | Spalling/strands exposed (20% loss) | 2 | 0.75 | 0.167 |
| 125 | Under Deck | bay 3 | 124 | Spalling/rebar exposed; delam | 1 | 1 | 0.167 | 140 | Under Deck | bay 2 | 139 | Spalling/rebar exposed | 0.5 | 0.5 | 0.167 |
| 125 | Girder 3 | at bent, bottom left flange | 124 | Spalling/strands exposed (10% loss) | 3 | 0.5 | 0.33 | 140 | Lt. Deck Overhang | both span, at bent | 140 | Spalling/rebar exposed | 1.25 | 1 | 0.167 |
| 125 125 | Girder 4 Girder 2 | 1' from bent, bottom right flange 24' from bent, bottom left flange | 124 | Delam at patch Spalling/strands exposed | 2.5 | 0.75 | 0.5 | 140 140 | Under Deck Girder 2 | bay 2, 6' from bent at bent | 140 140 | (x2)Spalling/rebar exposed Spalling/strand exposed;delam at patch | 0.75 | 0.75 | 0.167 |
| 125 | Lt. Deck Overhang | | 125 | Spalling/rebar exposed | 1.75 0.5 | 0.5 | 0.5 0.167 | 140 | Lt. Deck Overhang | | 140 | Spalling/rebar exposed | 0.75 | 0.5 | 0.5 0.167 |
| 126 | Girder 2 | 6'&8' from bent, bottom right flange | 125 | (x2)Spalling/strands exposed (10% loss) | 4.25 | 0.5 | 0.167 | 140 | Lt. Deck Overhang | | 140 | Spalling/rebar exposed | 1.25 | 0.5 | 0.167 |
| 126 | Under Deck | bay 1, near bent | 126 | Spalling/rebar exposed | 1 | 1 | 0.167 | 141 | Under Deck | bay 1, 2' from bent | 140 | (x3)Spalling/rebar exposed | 3 | 1.25 | 0.25 |
| 126 | Girder 4 | 8' from bent, bottom face | 126 | Spalling/steel exposed | 0.5 | 0.5 | 0.167 | 141 | End Diaphragm | bay 3 | 140 | Spalling/rebar exposed | 0.5 | 0.5 | 0.167 |
| 126 | Girder 2 | at bent, bottom left flange | 126 | Spalling/strands exposed behind bearing | 1 | 1 | 0.33 | 141 | End Diaphragm Girder 2 | bay 1 | 140 | Delam and cracking | 1.5 | 0.5 | 0.25 0.75 |
| 126 | Girder 2 | at bent, bottom right flange | 126 | Delam at patch | 1 | 0.5 | 0.5 | 141 | Girder 2 | 3' from bent, bottom right flange | 140 | Delam at patch | 2.5 | Ш | 1 |

PROJECT NO. B-5937

CURRITUCK/DARE COUNTY

STATION: BRIDGE NO. 16



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEICH

SUPERSTRUCTURE DEFICIENCIES (3 OF 6)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED 2