



Charleston Seawall Repairs: The Low battery Seawall Rehabilitation Project

Appendix F

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| <i>Because the field investigation began before the survey team established controls, an arbitrary field stationing was used. This was then converted to actual stationing of the seawall. The conversion is approximately -62+80. The field stationing can be seen in most of the photographs from the inspection.</i> | | | | Date of Inspection: 6/15/2015 | Personel: |
|---|----------------|-----------------|---------|---|--|
| | | | | Conditions: Sunny/Clear | Thai Trinh, Shannon Boyd, Corey Barber |
| | | | | | David Osgood |
| | | | | | |
| | Location | | | Field Inspection Notes | |
| Field Station | Actual Station | Dim top of wall | Photo# | Description | |
| 111 + 00 | 48 + 20 | 51" | x | 51" from top curb to horizontal construction joint. All aggregate exposed (no paste) 6"-24" high x 3" average | |
| 110 + 45 | 47 + 65 | 24" | 287 | 16" (h) x 11" (v) x 4.5" to 17" penetration concrete deterioration | |
| 110 + 80 | 48 + 0 | 0" | 292 | Cap spall 24" (h) x 3" (v) x 2" penetration, exposed rebar | |
| 110 + 65 | 47 + 85 | 0" | 293 | Cap spall 3' (h) x 12" (v) x 3" penetration, exposed rebar | |
| 110 + 53 | 47 + 73 | 0" | 294 | Cap spall 3' (h) x 12" (v) x 3" penetration, exposed rebar | |
| | 47 0 57 | 30" | 288-289 | Bolt holes from construction formwork | |
| 110 + 37 | 47 + 57 | 26" | 291 | Concrete deterioration 12" (v) x 6" (h) x 3.5" penetration | |
| 110 + 29 | 47 + 49 | 24" | 295 | Concrete deterioration 16" (h) x 7" (v) x 8" penetration | |
| 110 + 29 | 47 + 49 | 0" | x | Vertical construction joint (end of horizontal construction joint deterioration) | |
| 110 + 20 | 47 + 40 | 64" | 296 | Spall 7"x7"x5" Penetration | |
| 110 + 05 | 47 + 25 | 28" | 297 | Concrete deterioration: 3' (h) x 4" (v) x 2" penetration | |
| 110 + 00 | 47 + 20 | 33" | 300 | Concrete deterioration: 10" (h) x 4" (v) x 3" penetration | |
| 109 + 86 | 47 + 6 | 33" | 301/302 | Concrete deterioration: 8' (h) x 12" (v) x 3" penetration | |
| 109 + 95 | 47 + 15 | 0" | x | Vertical construction joint | |
| 109 + 95 | 47 + 15 | 0" | x | Curb and post previously repaired | |
| 109 + 86 | 47 + 6 | 0" | 303 | Concrete deterioration at base of granite post 16" (h) x 36" (v) x 3" penetration | |
| 109 + 70 | 46 + 90 | 0" | 304 | Cap spall 17' (h) x 10" (v) x 4" penetration w/ exposed rebar | |
| 109 + 48 | 46 + 68 | 0" | 305/306 | Concrete deterioration full height w/ exposed aggregate | |
| 109 + 59 | 46 + 79 | 7' | x | Out fall 4' (h) x 18" (v) water flowing | |
| 109 + 56 | 46 + 76 | 5' | x | Concrete deterioration 32" (v) x 16" (h) x 5.5" penetration | |
| 109 + 46 | 46 + 66 | 0" | x | Vertical construction joint | |
| 109 + 46 | 46 + 66 | 6' | 307 | Concrete deterioration: 24" (h) x 4' (v) x 15" penetration | |
| 109 + 38 | 46 + 58 | x | 308 | Cap spall 24" (h) x 31" (v) x 16" penetration, exposed rebar (in curb only) | |
| 109 + 35 | 46 + 55 | 54" | x | Concrete deterioration: 2"-12" (v) x 2"-3" penetration | |
| 109 + 19 | 46 + 39 | 30" | 312 | Cap spall 3' (h) x 30" (v) x 3" penetration w/ exposed rebar | |
| 109 + 10 | 46 + 30 | 36" | 313 | Concrete deterioration: 2' (h) x 17" (v) x 5.5" penetration | |
| 108 + 98 | 46 + 18 | x | x | Vertical construction joint | |

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|----------|---------|-------|---------|---|
| 108 + 98 | 46 + 18 | 23" | 314 | Concrete deterioration: 7' (h) x 13" (v) x 17" penetration |
| 108 + 94 | 46 + 14 | 5'-8" | x | Concrete deterioration: 18" (h) x 13" (v) x 17" penetration |
| 108 + 81 | 46 + 1 | 0" | 319 | Cap spall 9' (h) x 11" (v) x 4" penetration w/ exposed rebar |
| 108 + 73 | 45 + 93 | 0" | 320 | Cap spall 5' (h) x 12" (v) x 4" spall w/ exposed rebar |
| 108 + 61 | 45 + 81 | 0" | 321 | Curb spall 10' (h) x 12" (v) x 2" to 3" penetration w/ exposed rebar |
| 108 + 67 | 45 + 87 | 53" | 321 | Concrete deterioration: 3' (h) x 7" (v) x 5" penetration |
| 108 + 61 | 45 + 81 | 26" | 322 | Concrete deterioration: 8" (h) x 12" (v) x 17" penetration |
| 108 + 61 | 45 + 81 | 0" | x | Curb spall - 12" (v) x 2" to 4" penetration w/ exposed rebar |
| 108 + 50 | 45 + 70 | x | x | Vertical construction joint |
| 108 + 52 | 45 + 72 | 12" | 327 | Wood form under cap repair |
| 108 + 42 | 45 + 62 | 12" | 328 | Concrete deterioration 2' (h) x 29" (v) x 5" penetration |
| 108 + 32 | 45 + 52 | 12" | 329/330 | Concrete deterioration 2' (h) x 29" (v) x 5" penetration |
| 108 + 25 | 45 + 45 | 32" | 331 | Concrete deterioration 26" (h) x 5" (v) x 3" penetration |
| 108 + 12 | 45 + 32 | 39" | 332 | Concrete deterioration 28" (h) x 7" (v) x 3" penetration |
| 107 + 94 | 45 + 14 | 21" | 333 | Crack 14" (h) x 7" (v) |
| 107 + 68 | 44 + 88 | 69" | 334-336 | Out fall 4' (h) x 3' (v) |
| 107 + 69 | 44 + 89 | 39" | x | Concrete deterioration: 41" (h) x 11" (v) x 4" penetration |
| 107 + 55 | 44 + 75 | 30" | x | Post deterioration: 15" (h) x 30" (v) x 16" penetration (typical post deterioration) |
| 107 + 54 | 44 + 74 | x | x | Vertical construction joint |
| 107 + 54 | 44 + 74 | 47" | 337-340 | Major concrete deterioration: 56" (v) x 13' (h) x 13" penetration w/ numerous exposed |
| 107 + 65 | 44 + 85 | 30" | 343 | Typical post deterioration |
| 107 + 55 | 44 + 75 | 30" | 344 | Typical post deterioration |
| 107 + 40 | 44 + 60 | 48" | 345 | Concrete deterioration: 22" (h) x 16" (v) x 2" penetration |
| 107 + 26 | 44 + 46 | 30" | 346 | Typical post deterioration |
| 107 + 18 | 44 + 38 | 20" | 347 | Concrete deterioration: 57" (h) x 20" (v) x 4" penetration |
| 107 + 05 | 44 + 25 | 27" | 352 | 2" (h) x 5" (v) x 2" penetration |
| 106 + 98 | 44 + 18 | 36" | 353 | Diagonal concrete deterioration: 3' (h) x 7" (v) x 3.5" penetration |
| 106 + 93 | 44 + 13 | 34" | 354 | Concrete deterioration: 39" (h) x 12" (v) x 3" penetration |
| 106 + 89 | 44 + 9 | x | 355 | Vertical construction joint |
| 106 + 72 | 43 + 92 | 28" | 356 | Concrete deterioration: 55" (h) x 9" (v) x 4" penetration |
| 106 + 68 | 43 + 88 | 30" | 357 | Typical post deterioration |
| 106 + 59 | 43 + 79 | 30" | x | Typical post deterioration |
| 106 + 59 | 43 + 79 | x | x | Typical horizontal construction joint (6" penetration) |
| 106 + 48 | 43 68 | 70" | 359 | Concrete deterioration 8' (h) x 3' (v) x 10" penetration (similar to outfall at 107+68 or |

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|----------|---------|-----|---------|---|
| 106 + 40 | 43 + 60 | 24" | 360 | Concrete deterioration 6' (h) x 8" (v) x 6.5" penetration |
| 106 + 56 | 43 + 76 | x | 361 | 8' (h) x 6' out (to river) concrete overpour? |
| 106 + 22 | 43 + 42 | 71" | 366-368 | Unknown void (spall - outfall) 5'-3" (h) x 2' (v) x 38" penetration (verify w/ utilities) |
| 106 + 03 | 43 + 23 | 72" | 366-368 | Concrete deterioration similar to outfall at STA. 107+68 or 44+88 |
| 105 + 92 | 43 + 12 | x | 371 | Vertical construction joint |
| 106 + 22 | 43 + 42 | x | 369-370 | Sidewalk depression, new concrete of settlement above unknown void |
| 105 + 84 | 43 + 4 | 30" | 372 | Concrete deterioration: 51" (h) x 12" (v) 11" penetration |
| 105 + 78 | 42 + 98 | 22" | 373 | Concrete deterioration: 3.5" x 7" (v) x 2" penetration (formed) |
| 105 + 62 | 42 + 82 | 23" | 374 | Crack 10' long x 2" wide (horizontal crack) |
| 105 + 55 | 42 + 75 | 57" | x | Concrete deterioration: 19" (h) x 6" (v) x 4" penetration |
| 105 + 44 | 42 + 64 | x | x | Vertical construction joint |
| 105 + 34 | 42 + 54 | 58" | 376 | Concrete deterioration: 12" (h) x 7" (v) x 5" penetration |
| 105 + 30 | 42 + 50 | x | 377 | Curb crack/spall typical |
| 105 + 23 | 42 + 43 | x | 378 | Typical post deterioration |
| 104 + 97 | 42 + 17 | x | x | Typical construction joint vertical |
| 104 + 97 | 42 + 17 | 45" | 379-380 | Severe concrete deterioration: 19" (v) x 16' (h) x 6.5" penetration (previously repaired) |
| 104 + 75 | 41 + 95 | 32" | 381 | Concrete deterioration: 13" (h) x 14" (v) x 3.5" penetration |
| 104 + 65 | 41 + 85 | x | | Illegally dumped ammunition/ CCPD notified |
| 104 + 49 | 41 + 69 | x | 384 | Vertical construction joint |
| 104 + 49 | 41 + 69 | 42" | 385 | Horizontal crack 8' long x 7" wide 3" penetration |
| 104 + 27 | 41 + 47 | x | 386 | Typical post deterioration |
| 104 + 08 | 41 + 28 | x | 387 | Typical post deterioration |
| 104 + 00 | 41 + 20 | x | 388 | Vertical construction joint (typical horizontal concrete deterioration from 109+35 [46+55] continues) |
| 104 + 00 | 41 + 20 | x | x | Typical cap spall ends 108+61 [45+81] to 104+00 [41+20]. |
| 104 + 00 | 41 + 20 | 10" | 389 | Concrete deterioration: 12" (v) x 10' (h) x 3" penetration |
| 103 + 80 | 41 + 0 | 27" | x | Concrete deterioration: 16" (h) x 4" penetration x 2' (v) |
| 103 + 53 | 40 + 73 | x | 395 | Vertical construction joint |
| 103 + 53 | 40 + 73 | 48" | 390-393 | 103+53 to 103+80: Major concrete deterioration: 27' (h) x 5' (v) x 14" penetration (exposed rebar or signs of bars) |
| 103 + 60 | 40 + 80 | x | 394 | Typical post deterioration |
| 102 + 92 | 40 + 12 | x | 397/399 | Concrete build up 4' (v) x 4' out x 24' (h) |
| 102 + 92 | 40 + 12 | x | 400 | Seepage at concrete build up |
| 102 + 94 | 40 + 14 | x | x | Curb deterioration; exposed rebar |

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|----------|---------|-----|---------|--|
| 102 + 94 | 40 + 14 | 23" | x | Concrete deterioration: 10.5' (h) x 10" (v) x 3" penetration |
| 103 + 04 | 40 + 24 | x | x | Vertical construction joint |
| 102 + 83 | 40 + 3 | x | 403 | Typical post deterioration |
| 102 + 56 | 39 + 76 | x | 404 | Vertical construction (new construction at King Street - westward) |
| 102 + 56 | 39 + 76 | 44" | 405-407 | Typical horizontal crack 1" wide |
| 102 + 28 | 39 + 48 | 52" | x | Vertical crack 1/8" x 52" long |
| 102 + 28 | 39 + 48 | 58" | x | Typical horizontal crack 6" lower |
| 102 + 16 | 39 + 36 | 0" | 410 | Vertical crack 6' x 1/8" wide |
| 102 + 16 | 39 + 36 | 72" | 409 | Outfall 4' (h) x 2' (v) |
| 101 + 90 | 39 + 10 | 38" | x | Typical horizontal crack stops |
| 101 + 75 | 38 + 95 | 0" | 412 | Metal brackets (one gone two left) |
| 101 + 65 | 38 + 85 | x | 413 | Vertical construction joint |
| 101 + 44 | 38 + 64 | x | 414 | Stairwell |
| 101 + 72 | 38 + 92 | 14" | x | Horizontal crack 1/8" wide |
| 101 + 44 | 38 + 64 | x | 415-417 | Overall stairwell photo |
| 101 + 40 | 38 + 60 | x | 418 | Horizontal crack 1/2" wide x 4' long |
| 101 + 36 | 38 + 56 | x | x | Horizontal curb crack 1/2" wide w/ rust stains |
| 101 + 40 | 38 + 60 | 12" | 419-421 | Horizontal crack 1/2" wide max w/ rust stains |
| 101 + 32 | 38 + 52 | x | 422 | Vertical crack 1/8" wide |
| 101 + 32 | 38 + 52 | 38" | x | Horizontal crack 1/16" - 1/8" wide |
| 101 + 03 | 38 + 23 | x | 423 | Vertical crack/joint w/ spall 4' below cap 7"9h) x 6" (v) x 3" penetration |
| 100 + 98 | 38 + 18 | 24" | 424/425 | 2.5" diameter conduit...cables still inside. Cored hole |
| 100 + 70 | 37 + 90 | x | 426 | Top of curb cracks 1/8" to 1/2" wide w/ rust stains |
| 100 + 83 | 38 + 3 | x | x | 2" diameter PVC conduit on top of curb |
| 100 + 75 | 37 + 95 | 0" | 428 | Vertical crack 3/4" wide x 7' long |
| 100 + 75 | 37 + 95 | 55" | 427 | Concrete deterioration: 80" (h) x 6" (v) x 1.5" penetration |
| 100 + 75 | 37 + 95 | x | 429 | Continued horizontal crack 101+40 [38+60] -> |
| 100 + 75 | 37 + 95 | 27" | x | 100+75 to 100+13: Horizontal crack 1/16" or less |
| 100 + 47 | 37 + 67 | 39" | 430 | Spall 7" (h) x 7" (v) x 2.5" penetration |
| 100 + 43 | 37 + 63 | x | 431/432 | 1/16" wide vertical crack 8' long |
| 100 + 05 | 37 + 25 | 0 | 433 | Curb cracks and spalls w/ rust stains |
| 100 + 09 | 37 + 29 | 0 | 436 | Vertical crack 1/16th wide x 8' long |
| 99 + 78 | 36 + 98 | x | 437/438 | Vertical Construction Joint |

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|---------|---------|-----|---------|---|
| 99 + 68 | 36 + 88 | x | x | 99+00 to 99+68 Curb Crack w/ rust stains 1/16" to 1/4" wide w/ spalls up to 12" (v) x 10' (h) x 3" pen w/ exposed rebar |
| 99 + 25 | 36 + 45 | 72" | x | CD Zone 3' (v) x 25' (h)x 3-1/2" pen |
| 98 + 89 | 36 + 9 | 0 | x | Vertical Crack 1" wide x 8' |
| 98 + 89 | 36 + 9 | 29" | x | Horizontal crack 1/16th - 1/8th typical |
| 98 + 60 | 35 + 80 | 0 | 442 | Vertical Crack 1/16" wide |
| 98 + 60 | 35 + 80 | 0" | 444 | Vertical crack 1/16" wide |
| 98 + 60 | 35 + 80 | 12" | x | Horizontal crack under curb 1/16"-1/4" w/ rust stains (typical) |
| 98 + 60 | 35 + 80 | 32" | x | Horizontal crack 1/16"-1/4" construction joint (typical) |
| 98 + 60 | 35 + 80 | 0" | 445 | Cap: horizontal cracks 1/15" - 1/4" w/ rust stains and spalls throughout |
| 98 + 48 | 35 + 68 | 32" | 446 | 55" (h) x 3" x 1.5" penetration (same construction joint deterioration) |
| 98 + 28 | 35 + 48 | 0" | 447 | Vertical construction joint/crack (Full height 7') |
| 98 + 10 | 35 + 30 | 28" | 448 | Concrete deterioration: 4.5' x 1.5' x 1" penetration: exposed aggregate |
| 97 + 96 | 35 + 16 | 0" | 449 | Vertical construction joint w/ minor concrete deterioration along joint |
| 97 + 96 | 35 + 16 | 48" | x | Horizontal construction joint deterioration |
| 97 + 51 | 34 + 71 | 48" | x | Horizontal construction joint deterioration 14' (h) x 2" (v) x 1.5" penetration |
| 97 + 40 | 34 + 60 | 29" | 450 | Third horizontal crack/construction joint 1/16" -> 1/4" max |
| 97 + 16 | 34 + 36 | 48" | 451/452 | Concrete deterioration: 16" (h) x 5" (v) x 1.5" penetration |
| 97 + 16 | 34 + 36 | 0" | 451/452 | Vertical crack: hairline to 1/16" wide by 4' long |
| 97 + 15 | 34 + 35 | 22" | 451/452 | Approximately 1" diameter rusted out steel bolt (numerous at 2 bolts at 6' spacing) |
| 97 + 13 | 34 + 33 | x | x | Curb recently repaired and in good condition (A few isolated transverse cracks HL to |
| 97 + 06 | 34 + 26 | x | x | Vertical construction joint with more extensive concrete deteriorations 10" (h) x 4" |
| 96 + 99 | 34 + 19 | 60" | 454 | Spall 10" diameter x 2" penetration |
| 96 + 92 | 34 + 12 | 33" | 455 | Concrete deterioration: 3' (h) x 8" (v) x 1" penetration |
| 96 + 86 | 34 + 6 | 42" | 455 | Horizontal spall 4.5' long 1.5" (v) x 1" penetration |
| 96 + 78 | 33 + 98 | 0" | x | Vertical crack/construction joint (?) 7' long (stair steps) |
| 96 + 60 | 33 + 80 | x | 456 | End of cap repair and 2 bolts at 6' spacing (cap cracks and spall continue, 97+78 [34+98] to |
| 96 + 60 | 33 + 80 | 0" | x | Vertical hairline crack (stair steps) |
| 96 + 52 | 33 + 72 | 0" | 457 | Vertical hairline crack w/ spall 4' from cap: 2' (h) x 11" (v) x 6" penetration |
| 96 + 46 | 33 + 66 | 48" | 458 | Spall 2' (h) x 6" (v) x 2" penetration |
| 96 + 40 | 33 + 60 | 30" | x | Horizontal crack 1/16" - 1/4" wide |
| 96 + 40 | 33 + 60 | 53" | x | Horizontal crack 1/16" - 1/4" wide |
| 95 + 85 | 33 + 5 | 0" | 461 | Vertical crack hairline-1/16" wide x 7' long stair steps |
| 95 + 80 | 33 + 0 | 0" | 462 | Vertical crack hairline-1/16" wide x 7' long stair steps |

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|---------|---------|------------------|---------|---|
| 95 + 72 | 32 + 92 | 0" | x | Vertical crack hairline-1/16" wide x 7' long stair steps |
| 95 + 67 | 32 + 87 | 29" | 465 | Vertical crack hairline-1/16" wide x 7' long stair steps |
| 95 + 64 | 32 + 84 | 0" | 465 | 3' (h) x 4" (v) x 1.5" penetration concrete deterioration/horizontal crack |
| 95 + 55 | 32 + 75 | Top of post (+3) | 466 | Vertical crack hairline to 1/16" wide 10' long |
| 95 + 26 | 32 + 46 | 0" | 467 | Vertical construction joint 3/8" to 1/4" wide w/ minor spalls |
| 96 + 35 | 33 + 55 | x | 469/468 | Concrete curb recently repaired - good condition w/ isolated hairline transverse cracks |
| 96 + 35 | 33 + 55 | 20" | x | Bolt hole inserts w/ rust stains at approximately 4" spacing |
| 95 + 00 | 32 + 20 | 0" | 472 | Vertical crack hairline by 7' long |
| 94 + 92 | 32 + 12 | 0" | 473/474 | Vertical hairline crack 7' long |
| 94 + 86 | 32 + 6 | 46" | 475 | Horizontal crack 1/16" wide 32" long |
| 94 + 82 | 32 + 2 | 0" | 475 | Vertical hairline crack 7' long |
| 94 + 76 | 31 + 96 | 0" | 476 | Vertical hairline crack 7' long |
| 94 + 76 | 31 + 96 | x | 477 | Concrete curb repair ends. Curb cracks and spalls continue |
| 94 + 71 | 31 + 91 | 0" | x | Hairline vertical crack 7' long |
| 94 + 66 | 31 + 86 | 0" | 480 | Hairline vertical crack/construction joint 7' long |
| 94 + 58 | 31 + 78 | 53" | 481 | Horizontal crack 8' long x 1/2" wide |
| 94 + 36 | 31 + 56 | x | 482 | Vertical construction joint |
| 94 + 24 | 31 + 44 | 57" | 484 | Spall 9" diameter x 1" pen |
| 94 + 10 | 31 + 30 | 0" | 483 | Vertical hairline crack 7' long |
| 94 + 10 | 31 + 30 | 50" | x | 3rd horizontal crack 1/8" Max (still have crack under curb at 29" down) |
| 93 + 77 | 30 + 97 | 0" | 485 | Vertical crack hairline x 7' long stair step |
| 93 + 64 | 30 + 84 | 0" | 486 | Vertical crack hairline x 7' long no step |
| 93 + 46 | 30 + 66 | 0" | 487 | Vertical construction joint |
| 93 + 32 | 30 + 52 | 54" | 488 | Horizontal crack 8' long x 1/4" wide |
| 93 + 23 | 30 + 43 | 0" | 489 | Hairline vertical crack hairline x 7' long |
| 93 + 21 | 30 + 41 | 54" | 489 | Horizontal crack 8' long x 1/4" wide |
| 93 + 12 | 30 + 32 | 33" | 490 | Horizontal crack hairline to 1/8" |
| 92 + 91 | 30 + 11 | 48" | 491 | Horizontal hairline crack 10' long |
| 92 + 79 | 29 + 99 | 0" | 492 | Vertical hairline x 7' long |
| 92 + 56 | 29 + 76 | 0" | 493 | Vertical construction joint w/ spall at curb 3' (h) x 12" (v) x 6" penetration |
| 92 + 51 | 29 + 71 | 60" | 494 | Spall 15" diameter x 1" penetration |
| 92 + 39 | 29 + 59 | 48" | x | Horizontal joint transition to 48" from cap |
| 91 + 95 | 29 + 15 | x | 495 | New concrete curb in good condition w/ random isolate HL transverse crack |
| 91 + 95 | 29 + 15 | 22" | 495 | 2-1" diameter bolts at 4' spacing |

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|---------|---------|-----|---------|--|
| 91 + 93 | 29 + 13 | 44" | 495 | Horizontal crack 1/8" wide |
| 91 + 65 | 28 + 85 | 48" | 498 | Vertical construction joint with large spall 2' (h) x 8" penetration x 3' (v) |
| 91 + 55 | 28 + 75 | 48" | 499 | Spall 10" (h) x 4" (v) x 4" penetration |
| 91 + 48 | 28 + 68 | 0" | 500 | Vertical crack 1/8" side w/ patch x 4' long |
| 91 + 48 | 28 + 68 | 48" | 500 | Horizontal crack 1/2" to 1" wide x 3" penetration |
| 91 + 17 | 28 + 37 | 0" | 501 | Vertical crack hairline by 7' long |
| 91 + 45 | 28 + 65 | x | x | Concrete curb cracks 1/8" to 1/2" w/ rust stains and spalls throughout |
| 91 + 10 | 28 + 30 | 60" | 502 | Spall 24" diameter with 5" penetration |
| 91 + 10 | 28 + 30 | 0" | 502 | Hairline vertical crack 7" long |
| 91 + 03 | 28 + 23 | 60" | 503 | Spall 6" diameter x 1" penetration |
| 90 + 98 | 28 + 18 | 48" | 504 | 7" diameter x 1" penetration spall |
| 90 + 82 | 28 + 2 | 54" | 505 | Spall 17" (h) x 10" (v) x 2" penetration |
| 90 + 75 | 27 + 95 | 0" | 507/506 | Vertical construction joint and spall 2' (h) x 2' (v) x 2" penetration |
| 90 + 60 | 27 + 80 | 54" | 508 | 2" x 3" hole in wall (minor seepage) |
| 90 + 28 | 27 + 48 | 0" | 509 | Vertical crack 1/16" wide |
| 89 + 85 | 27 + 5 | 0" | 510 | Vertical construction joint |
| 89 + 75 | 26 + 95 | 48" | 510 | Spall 10' (h) x 12" (v) x 8" penetration |
| 89 + 75 | 26 + 95 | 0" | x | Hairline vertical crack 4' long |
| 89 + 62 | 26 + 82 | 0" | 511 | 1/2" wide vertical crack 7' long |
| 89 + 55 | 26 + 75 | 0" | 512 | Hairline vertical crack 7' long |
| 89 + 47 | 26 + 67 | 0" | x | Hairline vertical crack 7' long |
| 89 + 32 | 26 + 52 | 0" | 513 | Hairline vertical crack 7' long w/ spalls (4" x 2" penetration) and diagonal crack HL |
| 89 + 03 | 26 + 23 | 32" | 514 | Concrete deterioration: 11" (h) x 12" (v) x 3" penetration |
| 88 + 95 | 26 + 15 | 0" | 515 | Vertical construction joint w/ spall 10" (h) x 5" penetration x 4' (v) |
| 88 + 75 | 25 + 95 | 0" | 516 | Hairline vertical crack 7' long |
| 88 + 64 | 25 + 84 | 36" | 517 | 1/8" wide horizontal crack |
| 88 + 64 | 25 + 84 | 0" | 517 | Vertical crack / construction joint. Stair step. |
| 88 + 60 | 25 + 80 | 0" | 519 | Hairline vertical crack 7' long |
| 88 + 52 | 25 + 72 | 0" | x | Hairline vertical crack 7' long w/ concrete deterioration 2" (v) x 17' long x 1.5" penetration |
| 88 + 43 | 25 + 63 | 0" | 520 | Vertical crack w/ spall 6" (h) x 5" penetration x 7' (v) |
| 88 + 05 | 25 + 25 | 0" | 521 | Vertical construction joint |
| 87 + 72 | 24 + 92 | x | 523/524 | Horizontal crack under cap continues |
| 87 + 48 | 24 + 68 | 0" | 525 | Vertical crack 1/16" wide x 7' long |
| 87 + 24 | 24 + 44 | x | 526 | Curb repaired and in good condition. Isolated hairline transverse crack |

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|---------|---------|-----|---------|---|
| 87 + 24 | 24 + 44 | 21" | 526 | 1" diameter rusted steel inserts for repair |
| 87 + 14 | 24 + 34 | 0" | 527 | Vertical construction joint w/ spalls 6" (h) x 4' (v) x 5" penetration |
| 87 + 05 | 24 + 25 | 30" | 528 | Hairline horizontal construction joint |
| 87 + 05 | 24 + 25 | 48" | 529 | Hairline horizontal construction joint |
| 86 + 60 | 23 + 80 | 0" | x | Hairline vertical crack 7' long |
| 86 + 31 | 23 + 51 | x | 530/531 | Cap repair in good condition |
| 86 + 31 | 23 + 51 | 21" | 530/531 | Rusted steel inserts |
| 86 + 24 | 23 + 44 | x | x | Vertical construction joint w/ spall 14" (h) x 6' (v) x 5" penetration |
| 85 + 34 | 22 + 54 | 0" | 535 | Vertical hairline crack w/ spall 3" (h) x 1.5" penetration x 50' long |
| 85 + 70 | 22 + 90 | 0" | x | Hairline vertical crack 7' long |
| 85 + 34 | 22 + 54 | 0" | 536 | Vertical construction joint w/ spalls 12" (h) x 12" penetration x 7' long |
| 85 + 08 | 22 + 28 | 0" | x | Hairline vertical crack |
| 85 + 00 | 22 + 20 | 0" | 537 | Vertical construction joint w/ spall 5" (h) x 2" penetration x 7' (v) |
| 84 + 84 | 22 + 04 | 0" | 538 | Hairline vertical crack |
| 84 + 78 | 21 + 98 | 44" | 538 | Horizontal crack 6' long |
| 84 + 69 | 21 + 89 | 0" | x | Vertical crack w/ spalls 3' (v) x 9" (h) x 1.5" penetration |
| 84 + 54 | 21 + 74 | 0" | 540 | Hairline vertical crack 4' long |
| 84 + 44 | 21 + 64 | 0" | 540 | Vertical construction joint w/ spalls 11" (h) x 4" penetration x 7' (h) |
| 84 + 44 | 21 + 64 | 48" | 540 | Horizontal concrete deterioration 3" (v) x 0' (h) x 2" penetration |
| 84 + 34 | 21 + 54 | 0" | x | Vertical hairline crack 7' long |
| 84 + 50 | 21 + 70 | x | 540 | Small surface rub (patch) throughout |
| 84 + 44 | 21 + 64 | 12" | x | Horizontal Hairline to 1/8" w/ rust stains under cap |
| 84 + 14 | 21 + 34 | 0" | 542/543 | Hairline vertical crack w/ spall 6" (h) x 2' (v) x 1" penetration |
| 84 + 07 | 21 + 27 | 0" | x | Hairline vertical crack 7' long |
| 84 + 00 | 21 + 20 | 0" | x | Hairline vertical crack 7' long |
| 83 + 97 | 21 + 17 | 0" | x | Hairline vertical crack 7' long |
| 83 + 91 | 21 + 11 | 0" | 546 | Vertical crack HL x 7' long w/ spall 8" (h) x 1" penetration x 2' (v) |
| 83 + 79 | 20 + 99 | 0" | x | Hairline vertical crack 7' long w/ spall minor |
| 83 + 68 | 20 + 88 | 0" | x | Hairline vertical crack 7' long no spall |
| 83 + 55 | 20 + 75 | 0" | 548 | Vertical construction joint w/ spall |
| 83 + 16 | 20 + 36 | x | 550/549 | Outfall and large horizontal concrete deterioration |
| 82 + 98 | 20 + 18 | 0" | x | Vertical crack w/ spall |
| 82 + 60 | 19 + 80 | x | x | Horizontal concrete deterioration 12" (v) x 18" penetration |
| 83 + 16 | 20 + 36 | x | x | Outfall w/ signification smell of sewer (at end of Limehouse St.) |

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|---------|---------|-----|-----|--|
| 82 + 64 | 19 + 84 | 0" | 552 | Hairline vertical crack w/ minor spall |
| 82 + 53 | 19 + 73 | 52" | x | Horizontal crack 3' long x HL |
| 82 + 49 | 19 + 69 | 48" | 553 | Spall 16" (h) x 6" (v) x 1/2" penetration |
| 82 + 16 | 19 + 36 | 0" | 554 | Vertical crack 7' long w/ spall 2" (h) x 1.5" penetration |
| 82 + 06 | 19 + 26 | 0" | x | Hairline vertical crack 7' long |
| 82 + 06 | 19 + 26 | 54" | x | Horizontal crack 2" (h) x 1" penetration x 10' long |
| 82 + 01 | 19 + 21 | 0" | 555 | Hairline vertical crack 7' long |
| 81 + 97 | 19 + 17 | 0" | x | Hairline vertical crack 53" long |
| 81 + 97 | 19 + 17 | 53" | 556 | 4' long horizontal crack |
| 81 + 88 | 19 + 8 | 0" | x | Hairline vertical crack 7' long |
| 81 + 74 | 18 + 94 | 0" | x | Vertical construction joint w/ spall 13" (h) x 4" penetration x 7" (v) |
| 81 + 74 | 18 + 94 | 60" | x | Horizontal crack 11' long x HL |
| 81 + 40 | 18 + 60 | 0" | 559 | Hairline vertical crack 42" long |
| 81 + 34 | 18 + 54 | 0" | x | Hairline vertical crack 42" long |
| 81 + 24 | 18 + 44 | 0" | x | Vertical construction joint w/ spalls moderate 8" (h) x 3" penetration |
| 81 + 24 | 18 + 44 | 27" | 560 | Horizontal crack 1/16" to 1/8" wide 8' long |
| 81 + 06 | 18 + 26 | 53" | 561 | Horizontal 1/4" wide crack 10' long |
| 81 + 06 | 18 + 26 | x | 561 | Diagonal crack 1/16" x 7' long |
| 80 + 84 | 18 + 4 | x | 562 | Vertical construction joint |
| 80 + 84 | 18 + 4 | 24" | 562 | Diagonal crack 1/4" x 3' long |
| 80 + 84 | 18 + 4 | 60" | 562 | Spall 16" penetration x 2' wide |
| 80 + 84 | 18 + 4 | 51" | 563 | Horizontal crack 5" (v) x 2" penetration |
| 80 + 84 | 18 + 4 | 75" | 563 | Horizontal crack 8" (v) x 2" penetration |
| 80 + 75 | 17 + 95 | 0" | x | Vertical hairline crack 36" long |
| 80 + 68 | 17 + 88 | 0" | x | Vertical hairline crack 36" long |
| 80 + 60 | 17 + 80 | 0" | 564 | Vertical hairline crack w/ spall 3" (h) x 2" penetration x 7' (v) |
| 80 + 50 | 17 + 70 | 0" | x | Vertical hairline crack 40" long |
| 80 + 44 | 17 + 64 | 0" | 565 | Vertical crack w/ spalls 12" (v) x 5" (h) x 2.5" penetration |
| 80 + 27 | 17 + 47 | 0" | x | Vertical hairline crack w/ spalls 2" penetration x 2" (v) x 12" (h). |
| 80 + 27 | 17 + 47 | 12" | x | Horizontal crack continues |
| 80 + 27 | 17 + 47 | 32" | x | Horizontal crack continues |
| 80 + 27 | 17 + 47 | 72" | x | Crack 7" (v) x 3.5" penetration x horizontal continuous |
| 80 + 00 | 17 + 20 | 72" | x | 4'-0" horizontal x 12" vertical x 7" deep crack continuous |

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|---------|---------|-------------|-----|--|
| 79 + 93 | 17 + 13 | 0" | 566 | Center of post construction joint. Full height x 1/8" wide. Spall 3'-0" (v) x 3" penetration x 3'-0 horizontal |
| 79 + 89 | 17 + 9 | 0"-30" | 566 | Diagonal crack 2'-0" long x 3" wide. Crack under curb and 30" down crack. Previous patch. |
| 79 + 85 | 17 + 5 | 72" | x | Bottom crack stops |
| 79 + 85 | 17 + 5 | 0" | x | Crack continues |
| 79 + 85 | 17 + 5 | 30" | x | Crack continues |
| 79 + 71 | 16 + 91 | 32" | 567 | Spall at 30" down crack. 2'-0" wide x 7" (v) x 2" penetrating |
| 79 + 68 | 16 + 88 | 0" | 567 | Top of curb to 32" down. 9" wide spall x 5" tall x 4" deep |
| 79 + 49 | 16 + 69 | 0"-36" | 568 | Vertical crack 1" wide x 30" long. From top of curb down 30". Spall 30" down -> 3'-0" long x 5" vert x 3.5" penetration |
| 79 + 40 | 16 + 60 | Full height | 569 | Crack full height by hairline. Repaired spall 32" long x 6" vert. Still patched. Spall 0" down 18" vertical by height of curb x 6" penetration |
| 79 + 30 | 16 + 50 | 0" | x | Spall at curb 2'-0" long x height curb x 6" penetration. Vertical crack from 0" to 30". |
| 79 + 04 | 16 + 24 | 30" | 572 | 30" down crack opens to 6" tall x 5" deep. Continuous between stations. |
| 79 + 04 | 16 + 24 | 0" | | Vertical construction joint |
| 79 + 04 | 16 + 24 | 66" | x | 5'-0" long crack x 7" tall x 2" penetration |
| 79 + 04 | 16 + 24 | 30" | x | 30" crack staggers down to 42" and continues 20'-0" |
| 78 + 93 | 16 + 13 | 0" | x | Vertical crack 39" vertical (0" to 39") x hairline |
| 78 + 80 | 16 + 0 | 41" | 573 | 78+80 to 78+93: Horizontal crack 13'-0" long. Opens up to 4" tall x 2" deep |
| 78 + 68 | 15 + 88 | 0 | 574 | Vertical crack x full height x 1" wide. Curb spall 1'-0" horizontal x face curb x 4" deep |
| 78 + 66 | 15 + 86 | 40" | 575 | Horizontal crack -> construction joint x hairline |
| 78 + 49 | 15 + 69 | 0" | x | Vertical crack - hairline x full height. Starts at spall at curb: 6" (h) x full height x 4" |
| 78 + 36 | 15 + 56 | 0" | x | Vertical crack full height, no spalling. Starts at spall at curb 3' long x 4" vertical x 4" |
| 78 + 26 | 15 + 46 | 52" | 576 | Horizontal crack 34" long x 1/2" vertical x 1/2" penetration |
| 78 + 13 | 15 + 33 | 0" | 577 | Construction joint full height. Spall at curb 3'-0" long x full height x 4" penetration |
| 78 + 13 | 15 + 33 | 24" | x | 10" spall w/ 5" penetration at construction joint. |
| 78 + 13 | 15 + 33 | 55" | x | Horizontal crack 6'-0" long x 1/2" |
| 78 + 12 | 15 + 32 | 64" | 578 | 78+12 to 77+56: Horizontal crack 8" tall x 3" penetration |
| 77 + 93 | 15 + 13 | 0" | 579 | Vertical hairline crack spanning full height. |
| 77 + 93 | 15 + 13 | 41" | x | Spall 2'-0" long x 4" vertical x 1" penetration |
| 77 + 80 | 15 + 0 | 0" | x | Vertical hairline crack spanning full height. |
| 77 + 74 | 14 + 94 | 0" | x | Vertical hairline crack spanning full height. |
| 77 + 66 | 14 + 86 | 0" | 580 | Vertical crack. Construction joint 1" wide x full height x 2.5" penetration. Curb spalled 12" long full height 8" penetration. |

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|---------|---------|-------------|---------|--|
| 77 + 57 | 14 + 77 | 0" | 581 | Curp spalled 5'-0" long x full height x 8" penetration w/ exposed rebar |
| 77 + 57 | 14 + 77 | 38" | x | Crack 46" long x 2' tall x 1.5" deep |
| 77 + 34 | 14 + 54 | 50" | 582 | Crack 5'-0" long x 4" tall x 1" penetration |
| 77 + 29 | 14 + 49 | 0" | x | Spall curb 12" long x 12" vertical x 6" penetration |
| 77 + 23 | 14 + 43 | 0" | 583 | Vertical construction joint w/ 3" spalling (minor 3" or less) |
| 77 + 21 | 14 + 41 | 0" | x | Spall curb 18" long full height x 6" penetration |
| 77 + 21 | 14 + 41 | 0" | x | Crack under curb continues |
| 77 + 5 | 14 + 25 | 0" | x | Crack hairline x full vertical height |
| 76 + 97 | 14 + 17 | 0" | 584 | Vertical crack full height x 1/16" wide |
| 76 + 97 | 14 + 17 | 12" | x | 3'-0" long spall 5" tall x 3" deep |
| 76 + 97 | 14 + 17 | 45" | x | Horizontal crack 9'-0" long x 1/16" or less wide |
| 77 + 57 | 14 + 77 | x | x | Station 538 |
| 76 + 92 | 14 + 12 | 0" | 585 | Vertical crack full height x 1/8" wide |
| 76 + 92 | 14 + 12 | 43" | x | Horizontal crack 32" wide x 1.5" tall x 1" penetration |
| 76 + 77 | 13 + 97 | 0" | x | Spall curb 10' long x full height x 6" penetration |
| 76 + 73 | 13 + 93 | 45" | 586 | Horizontal crack 6'-6" long x 3" tall. Previous patch. |
| 76 + 55 | 13 + 75 | 31" | x | Horizontal crack 16" long x 2" tall x 1/2" penetration |
| 76 + 55 | 13 + 75 | 34" | x | Horizontal crack 8'-0" long x 1/2" runs downstation |
| 76 + 33 | 13 + 53 | 0" | 587 | Construction joint. Spall curb 2'-0" long x full height x 4" penetration |
| 76 + 33 | 13 + 53 | 28" | x | Spall 4" wide x 8" tall x 2" deep |
| 76 + 33 | 13 + 53 | 58" | x | Spall 4" wide x 8" tall x 2.5" deep |
| 76 + 33 | 13 + 53 | 29" | 588/589 | 76+33 to 76+9: Horizontal crack -> construction joint 2" tall x 3" deep |
| 76 + 3 | 13 + 23 | 24" | x | Scoured face 5'-0" long w/ exposed aggregate |
| 75 + 96 | 13 + 16 | Bottom/curb | x | Vertical crack to 30" down. Hairline turns horizontal at bottom. Goes downstation, probably construction joint |
| 75 + 80 | 13 + 0 | 0" | 590 | Vertical crack. Full height x 1/8" to 1/4" wide. Spall curb 16" long: full height x 4" |
| 75 + 62 | 12 + 82 | x | 592 | Tide station outfall - tide elevation valve. |
| 75 + 57 | 12 + 77 | x | x | Monument |
| 75 + 43 | 12 + 63 | x | 591 | Construction joint. Spall curb 6'-0" long (goes downstation): full height x 4" penetration |
| 75 + 25 | 12 + 45 | 29" | 593 | Horizontal crack 3/4" wide x approximately 100' long |
| 75 + 9 | 12 + 29 | 0" | 594 | Vertical construction joint. Stair steps 7" x full height spall x 2" deep. |
| 75 + 0 | 12 + 20 | 0" | x | Spall curb top of curb 6' long x width of curb x 3" penetration. |
| 75 + 0 | 12 + 20 | 0" | x | Crack continues |
| 75 + 0 | 12 + 20 | 28" | x | Crack continues |

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|---------|---------|---------------------|---------|---|
| 74 + 84 | 12 + 4 | 56" | 595 | Spall 12" diameter x 1" deep |
| 74 + 52 | 11 + 72 | 0" | 596 | Construction joint vertical x full height |
| 75 + 43 | 12 + 63 | 28" | x | 75+43 to 74+52: Horizontal hairline crack |
| 74 + 52 | 11 + 72 | 52" | x | 6'-0" long hairline crack |
| 74 + 52 | 11 + 72 | 52" to base of wall | 597-605 | Wall is undercut 26" penetration x 2'-0" tall |
| 74 + 37 | 11 + 57 | 0" | 606 | Crack diagonal hairline spanning full height |
| 74 + 29 | 11 + 49 | 0" | x | Spall curb 7'-0" long x full height x full width |
| 74 + 28 | 11 + 48 | 0" | x | Vertical hairline crack spanning full height. |
| 74 + 23 | 11 + 43 | 0" | x | Vertical hairline crack spanning full height. |
| 74 + 18 | 11 + 38 | 0" | x | Spall curb 5'-0" long x full height x 6" |
| 74 + 15 | 11 + 35 | 36" | 607 | Spall 3'-0" horizontal x 8'-0" tall x 1/2" deep |
| 73 + 9 | 10 + 29 | 0" | 608 | Vertical crack full height. Stair steps 1/16" spalling below 3' -> 6" wide spall x 2" deep |
| 73 + 89 | 11 + 9 | 22" | x | Horizontal hairline crack |
| 73 + 76 | 10 + 96 | 43" | x | Horizontal crack 1.5" tall |
| 73 + 64 | 10 + 84 | 0" | x | Vertical construction joint w/ minor spalling |
| 73 + 64 | 10 + 84 | 28" | x | Horizontal hairline crack 52" long: runs upstation |
| 73 + 62 | 10 + 82 | 0" | x | Spall repaired 2'-0" long x 2"-0" tall |
| 73 + 62 | 10 + 82 | 50" | 609 | Horizontal crack x 14'-0" long x 1/16" to 1/8" |
| 73 + 47 | 10 + 67 | 0" | x | Vertical crack 43" tall x hairline. Turns horizontal 43" down. From top of curb horizontal 9'-0" x hairline |
| 73 + 7 | 10 + 27 | 0" | 612 | Spall curb 15'-0" long x full height x 8" penetration. Vertical crack full height x 2" wide x 6" |
| 73 + 7 | 10 + 27 | 49" | x | Horizontal crack 7'-0" long. Downstation 1" tall 1" deep |
| 72 + 98 | 10 + 18 | 0" | x | Vertical hairline crack spanning full height. |
| 72 + 92 | 10 + 12 | 0" | x | Vertical hairline crack spanning full height. |
| 72 + 92 | 10 + 12 | 36" | 613 | 72+92 to 72+73: Horizontal hairline crack |
| 72 + 84 | 10 + 4 | 0" | x | Vertical hairline crack spanning full height. |
| 72 + 80 | 10 + 0 | 0" | x | Spall curb 2'-0" long x full height x 6" w/ exposed rebar |
| 72 + 73 | 9 + 93 | 0" | 614 | Vertical construction joint |
| 72 + 73 | 9 + 93 | 34" | x | Spall repair 3'-0" long x 12" deep - repair failing upstation |
| 72 + 73 | 9 + 93 | 27" | 615 | Horizontal crack 1/2" tall x 1/2" deep x approximately 100' |
| 72 + 68 | 9 + 88 | 48"-base | 619 | 72+68 to 71+92: Undercut 24" deep x approximately 100' |
| 72 + 68 | 9 + 88 | 27"-base | x | 72+68 to 71+92: Vertical hairline crack 27" from top of curb to base |
| 72 + 60 | 9 + 80 | 0" | x | Vertical hairline crack spanning full height. |
| 72 + 48 | 9 + 68 | x | x | Vertical hairline crack spanning full height. Spall curb 20'-0" long x width of curb x 3" |

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|---------|--------|----------|-------------|--|
| 72 + 44 | 9 + 64 | 27"-base | x | Vertical hairline crack spanning full height. |
| 72 + 37 | 9 + 57 | 0" | 620-621 | Vertical crack 3" wide x 5" deep spanning full height |
| 72 + 32 | 9 + 52 | 29" | x | Spall 7" diameter 2" deep |
| 72 + 27 | 9 + 47 | 30" | x | Spall 9" long x 2" tall x 1.5" deep |
| 72 + 21 | 9 + 41 | 0" | 622 | Vertical hairline crack 5' tall |
| 72 + 21 | 9 + 41 | 31" | x | Spall 2'-0" long x 2" deep x 3" tall |
| 72 + 21 | 9 + 41 | 60" | x | Spall 2'-0" horizontal x 10" deep x 22" tall |
| 72 + 7 | 9 + 27 | 0" | 623 | Vertical hairline crack 30" tall |
| 70 + 7 | 7 + 27 | 30" | x | Spall 190" horizontal x 5" tall x 9" deep |
| 72 + 15 | 9 + 35 | x | x | 72+15 to 71+90: Curb repair |
| 72 + 0 | 9 + 20 | 0" | x | Vertical hairline crack 20" tall |
| 71 + 92 | 9 + 12 | 0" | 624,626-627 | Diagonal crack spanning full height. Spall 2'-0" horizontal 13" deep x full height |
| 71 + 91 | 9 + 11 | 30" | x | 71+91 to 71+72: Horizontal crack 30" down x 2" tall x 1.5" deep |
| 71 + 91 | 9 + 11 | 48" | x | 71+91 to 71+81: Horizontal crack, 10' long x 1/2" tall |
| 71 + 82 | 9 + 2 | x | 630 | Vertical crack spanning full height (constant Jt) |
| 71 + 71 | 8 + 91 | x | x | 3ft broken out curb w/ exposed rebar. Vertical hairline crack spanning full height. |
| 71 + 64 | 8 + 84 | x | x | Vertical hairline crack spanning full height |
| 71 + 56 | 8 + 76 | x | 631 | Vertical crack spanning full height, 1/16", 3" wide spall, 2" deep |
| 71 + 61 | 8 + 81 | 23" | x | 71+61 to 71+53: Horizontal crack, 8ft long (old repair) 1/16"-1/8" thick |
| 71 + 46 | 8 + 66 | x | x | Vertical hairline crack spanning full height |
| 71 + 42 | 8 + 62 | x | x | Vertical hairline crack spanning full height |
| 71 + 34 | 8 + 54 | x | x | Vertical hairline crack spanning full height |
| 71 + 29 | 8 + 49 | x | 632 | Vertical hairline crack spanning full height w/ spall (29" from top, 4' wide x 9' tall x 2.5" deep) 2x6 block of timber inside spall |
| 71 + 29 | 8 + 49 | 24" | x | Horizontal crack to 71+12: 1/8" thick to 1/4" thick |
| 71 + 15 | 8 + 35 | x | x | Begin curb repair. Vertical hairline crack. |
| 71 + 15 | 8 + 35 | 22" | 633 | Raw steel bolts (36" on center +/- 12" length of rebar) adhesive embedment rusted |
| 71 + 8 | 8 + 28 | x | x | Vertical hairline crack spanning full height |
| 71 + 0 | 8 + 20 | x | x | Vertical hairline crack spanning full height |
| 70 + 92 | 8 + 12 | x | 634 | Vertical construction joint (12" diameter spall at base w/ 6" penetration) |
| 70 + 92 | 8 + 12 | 45" | x | Horizontal hairline crack: 6' to 70+86 |
| 70 + 83 | 8 + 3 | x | x | Vertical hairline crack spanning full height. |
| 70 + 78 | 7 + 98 | x | x | Vertical crack: 1/16" wide spanning full height |
| 70 + 78 | 7 + 98 | 48" | x | Horizontal crack: 1/4" to 70+81 (3ft) |

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|---------|--------|-----|-----|---|
| 70 + 78 | 7 + 98 | 36" | 635 | Horizontal hairline crack: 2ft to 70+76 |
| 70 + 72 | 7 + 92 | 48" | x | Spall area 2' horizontal 3" tall 1/2" penetration |
| 70 + 67 | 7 + 87 | x | x | Vertical hairline crack spanning full height |
| 70 + 60 | 7 + 80 | x | x | Vertical hairline crack spanning full height w/ minor spalling (<1") |
| 70 + 59 | 7 + 79 | 43" | 636 | Horizontal crack: 8ft to 70+51 |
| 70 + 49 | 7 + 69 | x | x | Vertical hairline crack spanning full height |
| 70 + 46 | 7 + 66 | 41" | 637 | Horizontal crack 1/4" average 7ft long to 70+39 |
| 70 + 32 | 7 + 52 | x | 639 | Horizontal construction joint. spalled 7" tall, 4" penetration, goes to 70+02 |
| 70 + 2 | 7 + 22 | x | 638 | Vertical construction joint, 8" spalling 3" penetration |
| 70 + 2 | 7 + 22 | 35" | x | Horizontal construction joint, 1/4" crack for 100s of feet |
| 70 + 2 | 7 + 22 | 60" | 640 | Spalling/deterioration, 6ft to 69+96. |
| 69 + 62 | 6 + 82 | x | x | Vertical hairline crack spanning full height |
| 69 + 54 | 6 + 74 | 44" | 641 | Horizontal spalling, 16" long x 2" tall x 1" penetration. |
| 69 + 39 | 6 + 59 | x | x | Vertical crack spanning full height, 1.5" wide 2" deep |
| 69 + 23 | 6 + 43 | x | x | Vertical hairline crack spanning full height |
| 69 + 12 | 6 + 32 | x | x | Vertical construction joint |
| 69 + 12 | 6 + 32 | 60" | x | 12" diameter spall at construction joint |
| 69 + 10 | 6 + 30 | x | 644 | Horizontal crack zig zags 30" to 44" at vertical construction joint |
| 69 + 4 | 6 + 24 | x | x | Vertical hairline crack spanning full height |
| 68 + 97 | 6 + 17 | x | x | Horizontal crack 44" to 40" steps |
| 68 + 94 | 6 + 14 | x | x | Vertical hairline crack spanning full height |
| 68 + 85 | 6 + 5 | x | 645 | Vertical crack spanning full height, 1/4" to 4" wide, 1.5" deep spall |
| 68 + 79 | 5 + 99 | x | x | Vertical crack spanning full height, 1/16" to 1/8" wide |
| 68 + 79 | 5 + 99 | 32" | 646 | Spall 8" wide x 2" deep |
| 68 + 78 | 5 + 98 | 32" | x | Horizontal hairline crack spanning 8ft to 68+70 |
| 68 + 70 | 5 + 90 | x | x | Vertical crack spanning full height, 1/8" wide |
| 68 + 70 | 5 + 90 | 40" | 647 | 5" diameter x 2" deep spalling |
| 68 + 69 | 5 + 89 | 54" | 648 | Horizontal crack 1" tall, 1" deep, spanning 9ft to 68+60 |
| 68 + 57 | 5 + 77 | x | x | Vertical hairline crack spanning full height |
| 68 + 51 | 5 + 71 | x | x | Vertical hairline crack spanning full height |
| 68 + 40 | 5 + 60 | x | x | Vertical hairline crack spanning full height |
| 68 + 35 | 5 + 55 | x | x | Vertical hairline crack spanning full height |
| 68 + 22 | 5 + 42 | x | 649 | Vertical construction joint at post, minor spalling <1". Exposed rebar at post/curb. Spalling full width, 12" tall, 3" deep |

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|---------|--------|-----|-----|--|
| 68 + 23 | 5 + 43 | 41" | x | Horizontal crack 1/2" wide spanning 10' to 68+13 |
| 68 + 23 | 5 + 43 | 30" | 650 | Horizontal crack/construction joint, 1/4" wide, runs down station |
| 68 + 23 | 5 + 43 | 51" | 650 | 1/2" horizontal crack spanning 10ft to 68+13 |
| 68 + 3 | 5 + 23 | x | x | Vertical hairline crack spanning full height |
| 67 + 95 | 5 + 15 | x | x | Vertical crack 1/16" wide spanning full height w/ spall 30" down. Horizontal crack |
| 67 + 84 | 5 + 4 | x | x | Vertical hairline crack spanning full height |
| 67 + 84 | 5 + 4 | 52" | x | Horizontal 1/4" crack goes to 67+66 |
| 67 + 69 | 4 + 89 | 35 | 654 | Spall 4" wide x 12" tall x 9" deep |
| 67 + 76 | 4 + 96 | x | x | Green dot STA 5+00 |
| 67 + 66 | 4 + 86 | x | x | Vertical crack 2" wide spanning full height and 1.5" deep. |
| 67 + 59 | 4 + 79 | x | 655 | Vertical hairline crack spanning full height, Begin base 69" down 69" deep scour 16" tall, 13" penetration. Goes around corner down station. |
| 67 + 54 | 4 + 74 | x | 657 | Diagonal crack spanning full height, 3" wide and 1.5" deep |
| 67 + 47 | 4 + 67 | x | x | Vertical hairline crack spanning full height |
| 67 + 47 | 4 + 67 | 48" | x | Horizontal hairline crack spanning 4.5' |
| 67 + 41 | 4 + 61 | x | x | Vertical hairline crack spanning full height |
| 67 + 33 | 4 + 53 | x | 658 | Vertical crack/construction joint spanning full height. 8" spall, 48" down, 2" deep. |
| 67 + 33 | 4 + 53 | 48" | x | Horizontal hairline crack to 64+20 |
| 67 + 23 | 4 + 43 | x | x | Vertical hairline crack spanning full height |
| 67 + 19 | 4 + 39 | x | x | Horizontal crack terminates 30" from top of curb |
| 67 + 16 | 4 + 36 | x | 659 | End of curb repair, end of embedment anchors. Vertical hairline crack spanning full height |
| 67 + 11 | 4 + 31 | x | x | Vertical hairline crack spanning full height |
| 67 + 7 | 4 + 27 | x | 660 | Vertical 1/8" crack spanning full height. Minor spall top of curb spall and crack |
| 66 + 99 | 4 + 19 | x | 661 | Vertical crack spanning full height, 3" wide 1" deep. Top of curb crack w/ exposed rebar, |
| 66 + 97 | 4 + 17 | x | x | Vertical hairline crack spanning full height |
| 66 + 94 | 4 + 14 | x | x | Vertical hairline crack spanning full height |
| 66 + 94 | 4 + 14 | 43" | x | Horizontal crack 38" long 1/16" (between vertical cracks) |
| 66 + 86 | 4 + 6 | x | 602 | Stepping crack 3' up, start 7" spall. 11" penetration. Construction joint undercutting stops here. Top of curb has major spalls, interior and exterior face down station to post |
| 66 + 83 | 4 + 3 | x | x | Vertical hairline crack spanning full height |
| 66 + 78 | 3 + 98 | 36" | x | Horizontal hairline crack 44" long |
| 66 + 73 | 3 + 93 | 60" | x | 12" diameter spall with 1" penetration |
| 66 + 67 | 3 + 87 | x | x | Vertical hairline crack spanning full height |
| 66 + 66 | 3 + 86 | 39" | x | Horizontal hairline crack to 66+61 |

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|---------|--------|-----|-----|---|
| 66 + 50 | 3 + 70 | x | x | Vertical hairline crack spanning full height |
| 66 + 42 | 3 + 62 | x | x | Vertical construction joint, 6' spall 45" down 4" penetration |
| 66 + 42 | 3 + 62 | 48" | 663 | Horizontal crack runs down station to 65+63. Long cracks typical 1/8"-1/4" |
| 68 + 23 | 5 + 43 | x | x | Vertical hairline crack spanning full height |
| 68 + 19 | 5 + 39 | x | x | Vertical hairline crack spanning full height |
| 66 + 7 | 3 + 27 | x | 665 | Vertical crack spanning full height to base at 66+12 to top of 66+15 w/ spalling at base 24" wide 27" tall 15" deep at construction joint |
| 66 + 8 | 3 + 28 | 30" | x | Horizontal 1/8" crack runs to 65+63 |
| 66 + 8 | 3 + 28 | 52 | x | Horizontal crack w/ minor spalling <2" runs |
| 66 + 0 | 3 + 20 | x | x | Vertical hairline crack spanning full height |
| 65 + 87 | 3 + 7 | x | x | Vertical 1/16" crack spanning full height, top of curb spalling w/ rebar exposed |
| 65 + 84 | 3 + 4 | x | 666 | Vertical crack 29" down to base |
| 65 + 78 | 2 + 98 | x | x | Vertical hairline crack spanning full height |
| 65 + 73 | 2 + 93 | 29" | x | Vertical hairline crack to based, top of curb cracks with staining |
| 65 + 63 | 2 + 83 | x | 667 | Vertical crack spanning full height, 2" wide x 1" deep |
| 65 + 58 | 2 + 78 | x | x | Vertical hairline crack spanning full height |
| 65 + 56 | 2 + 76 | x | x | Top of curb spalling with exposed rebar to 52" at post |
| 65 + 52 | 2 + 72 | x | x | Vertical construction joint w/ bricks at post, 10" wide x 5" deep spall |
| 65 + 52 | 2 + 72 | 48" | 668 | Horizontal crack 41" long upstation 7" tall x 1.5" penetration |
| 65 + 52 | 2 + 72 | 48" | x | Horizontal crack 1" wide runs down station |
| 65 + 39 | 2 + 59 | x | x | Vertical 1/16" crack spanning full height |
| 65 + 17 | 2 + 37 | x | 669 | Vertical crack spanning full height (construction joint, spalling 498" down 27" penetration, |
| 65 + 17 | 2 + 37 | x | 671 | Top of curb spalling, 16" tall w/ rebar exposed |
| 65 + 11 | 2 + 31 | x | x | Hairline step crack at post down 4ft |
| 64 + 90 | 2 + 10 | 50" | x | Horizontal 1" crack running to 64+62 |
| 64 + 62 | 1 + 82 | 48" | x | Spalling 3" penetration 11" diameter at construction joint |
| 64 + 62 | 1 + 82 | 28" | x | Horizontal crack down station 6ft to 64+56. Top of curb spalling w/ cracks w/ rebar |
| 64 + 51 | 1 + 71 | x | x | Crack under curb stops |
| 64 + 29 | 1 + 49 | x | x | Vertical crack spanning full height 1/8" to 1/4" wide |
| 64 + 24 | 1 + 44 | x | 672 | Vertical hairline crack spanning full height |
| 64 + 18 | 1 + 38 | x | x | Vertical hairline crack spanning full height |
| 64 + 9 | 1 + 29 | x | x | Vertical 1/2" crack spanning full height. Top of curb spalling interior and exterior |
| 64 + 9 | 1 + 29 | 48" | x | Horizontal crack stops |
| 63 + 98 | 1 + 18 | x | x | Vertical hairline crack spanning full height |

