

Table of Field Assessment and Limestone Requirement Results Through August, 2017

| Rock Cut Details | | | Results of Pre-Construction Assessment | | | | Results of Field Assessment During Construction | | | |
|------------------|-------------|----------------------|--|----------------------------|--------------------------------|-------------------------|---|-------------------------|--|-------------------------------|
| Rock Cut | Sub-Section | Alignment Stationing | Rock Volume Estimate | Maximum Weighted Average S | Estimate of Limestone Addition | Field Testing Required? | Measured Rock Volume | Weighted Average Sulfur | Is Field Sulfur > Pre-Construction Sulfur? | Revised Limestone Requirement |
| | | | CY | wt. % | tons | | CY | wt. % | | tons |
| H | H1 | 70+80-73+00 | 614 | 0.09 | 3 | Yes | 702 | 0.49 | Yes | 58 |
| | H2 | 73+00-76+50 | 5,541 | 0.13 | 0 | Yes | 6,060 | 0.05 | No | 0 |
| | H3 | 76+50-80+00 | 4,222 | 0.13 | 0 | Yes | 5,377 | 0.05 | No | 0 |
| | H4 | 80+00-81+85 | 2,119 | 0.07 | 4 | Yes | 3,347 | 0.13 | Yes | 45 |
| | H5 | 81+85-83+00 | 2,446 | 0.33 | 138 | Yes | 1,854 | 0.29 | No | 104 |
| | H6 | 83+00-87+00 | 941 | 0.33 | 53 | Yes | 2,005 | 0.09 | No | 113 |
| | H7 | 87+00-90+00 | 5,962 | 0.75 | 868 | Yes | 6,182 | 0.63 | No | 901 |
| | H8 | 90+00-92+00 | 4,446 | 0.75 | 648 | Yes | 4,873 | 0.56 | No | 710 |
| I | I1 | 101+00-103+00 | 82 | 0.01 | 0 | No | 91 | N/A | N/A | 0 |
| J | J1 | 103+00-104+10 | 0 | - | 0 | No | 38 | N/A | N/A | 0 |
| | J2 | 104+10-105+00 | 0 | - | 0 | No | 205 | N/A | N/A | 0 |
| K | K1 | 107+00-109+00 | 689 | 0.06 | 0 | Yes | 364 | 0.01 | No | 0 |
| | K2 | 109+00-110+00 | 386 | 0.06 | 0 | Yes | 647 | 0.06 | No | 0 |
| L | L1 | 110+00-112+00 | 2,639 | 0.10 | 0 | Yes | 2,571 | 0.01 | No | 0 |
| | L2 | 112+00-114+00 | 16,009 | 0.10 | 0 | Yes | 16,731 | 0.12 | Yes | 0 |
| | L3 | 114+00-115+00 | 10,207 | 0.14 | 0 | No | 10,446 | N/A | N/A | 0 |
| | L4 | 115+00-118+00 | 26,930 | 0.14 | 0 | Yes | 26,745 | 0.08 | No | 0 |
| | L5 | 118+00-121+00 | 17,672 | 0.14 | 0 | Yes | 17,801 | 0.05 | No | 0 |
| | L6 | 121+00-124+50 | 2,087 | 0.08 | 0 | Yes | 2,946 | 0.02 | No | 0 |
| M | M1 | 305+00-307+00 | 923 | 0.09 | 0 | Yes | 339 | 1.13 | Yes | 68 |
| | M2 | 307+00-308+00 | 2,058 | 0.19 | 0 | No | 2,063 | N/A | N/A | 0 |
| | M3 | 308+00-308+86 | 1,783 | 0.19 | 0 | No | 1,384 | N/A | N/A | 0 |
| | M4 | 308+86-310+00 | 339 | 0.12 | 2 | No | 97 | N/A | N/A | 1 |
| Q | Q1 | 357+00-359+00 | 16 | 0.02 | 0 | No | 30 | N/A | N/A | 0 |
| | Q2 | 359+00-361+00 | 1,617 | 0.02 | 0 | Yes | 1,112 | 0.03 | Yes | 0 |
| | Q3 | 361+00-362+00 | 1,157 | 0.02 | 0 | No | 838 | N/A | N/A | 0 |
| | Q4 | 362+00-365+00 | 4,786 | 0.09 | 27 | Yes | 7,189 | 0.02 | No | 41 |
| | Q5 | 365+72-368+00 | 7,151 | 0.09 | 40 | Yes | 5,011 | 0.02 | No | 28 |
| | Q6 | 368+00-370+50 | 72 | 0.05 | 0.17 | No | 711 | N/A | N/A | 2 |
| R | R1 | 374+00-375+50 | 538 | 0.01 | 0 | Yes | 648 | 0.01 | Yes | 0 |
| | R2 | 375+50-379+00 | 2,888 | 0.01 | 0 | Yes | 1,411 | 0.03 | Yes | 1 |
| | R3 | 379+00-382+50 | 0 | - | 0 | No | 0 | N/A | N/A | 0 |
| | R4 | 382+50-385+00 | 689 | 0.02 | 0 | Yes | 850 | 0.01 | No | 0 |
| | R5 | 385+00-386+00 | 299 | 0.02 | 0 | No | 13 | N/A | N/A | 0 |
| | R6 | 386+00-388+00 | 0 | - | 0 | No | 0 | N/A | N/A | 0 |
| S | S1 | 390+28.96-391+00 | 0 | - | 0 | No | 0 | N/A | N/A | 0 |
| | S2 | 391+00-394+00 | 1102 | 0.07 | 14 | Yes | 616 | 0.06 | No | 8 |
| | S3 | 394+00-395+56 | 3379 | 0.44 | 276 | Yes | 3,790 | 0.71 | Yes | 508 |
| | S4 | 395+056-396+00 | 979 | 0.44 | 80 | No | 882 | N/A | N/A | 72 |
| | S5 | 396+00-397+00 | 2479 | 0.90 | 342 | No | 2,570 | N/A | N/A | 355 |
| | S6 | 397+00-400+00 | 2958 | 0.90 | 409 | Yes | 3,704 | 0.11 | No | 511 |
| | S7 | 400+00-402+00 | 0 | - | 0 | No | 0 | N/A | N/A | 0 |
| V | V1 | 428+00-431+00 | 0 | - | 0 | No | 0 | N/A | N/A | 0 |
| | V2 | 431+00-434+60 | 0 | - | 0 | No | 0 | N/A | N/A | 0 |
| | V3 | 434+60-438+00 | 0 | - | 0 | No | 0 | N/A | N/A | 0 |
| | V4 | 438+00-441.52+30 | 0 | - | 0 | No | 0 | N/A | N/A | 0 |
| | V5 | 441+52.30-443+00 | 370 | 0.41 | 28 | No | 278 | N/A | N/A | 21 |
| | V6 | 443+00-445+00 | 466 | 0.41 | 35 | Yes | 50 | 0.72 | Yes | 7 |
| | V7 | 445+00-448+50 | 108 | 0.29 | 6 | No | 35 | N/A | N/A | 2 |
| | V8 | 448+50-451+00 | 409 | 0.29 | 23 | Yes | 648 | 0.72 | Yes | 91 |

Footnotes:

CY = cubic yards

wt. % = percent by weight