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| LOCATION 1C SHEET TOTALS | | | | | | | | | | | | ITEM | ITEM EXT. | GRAND TOTAL | UNIT | DESCRIPTION | |
|--------------------------|----|--------|--------|---------|--------|--------|--------|-----|-----|-----|-----|------|-----------|-------------|---------|----------------|---|
| 68 | 69 | 152 | 153 | 154 | 155 | 157 | 159 | 161 | 342 | 366 | 367 | | | | | | |
| | | | | | | | | | | | | | | | | ROADWAY | |
| | | 25,740 | 25,680 | | | | | | 161 | | | | 202 | 23000 | 51,581 | SY | PAVEMENT REMOVED |
| | | 1,314 | 1,545 | | | | | | | | | | 202 | 38000 | 2,859 | FT | GUARDRAIL REMOVED |
| | | | | | 12,142 | | | | 52 | | | | 203 | 10000 | 12,194 | CY | EXCAVATION |
| | | | | | 4,836 | | | | 16 | | | | 203 | 20000 | 4,852 | CY | EMBANKMENT |
| | | | | | | | | | 305 | | | | 204 | 10000 | 305 | SY | SUBGRADE COMPACTION |
| | | | | | | 15 | 15 | 1 | | | | | 204 | 45000 | 31 | HOUR | PROOF ROLLING |
| | | | | | | 854 | 849 | 19 | | | | | 206 | 10500 | 1,722 | TON | CEMENT |
| | | | | | | 28,269 | 28,118 | 621 | | | | | 206 | 11000 | 57,008 | SY | CURING COAT |
| | | | | | | 28,269 | 28,118 | 621 | | | | | 206 | 15020 | 57,008 | SY | CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP |
| | | | | 3,537.5 | | | | | | | | | 606 | 15050 | 3,537.5 | FT | GUARDRAIL, TYPE MGS |
| | | | | 4 | | | | | | | | | 606 | 26150 | 4 | EACH | ANCHOR ASSEMBLY, MGS TYPE E (NCHRP 350/MASH 2016) |
| | | | | 4 | | | | | | | | | 606 | 26500 | 4 | EACH | ANCHOR ASSEMBLY, TYPE T |
| | | | | 41 | | | | | | | | | 626 | 00110 | 41 | EACH | BARRIER REFLECTOR, TYPE 2 (ONE-WAY) |
| | | | | | | | | | 1 | | | | SPECIAL | 69050100 | 1 | EACH | MAILBOX SUPPORT SYSTEM, SINGLE |
| | | | | | | | | | 2 | | | | SPECIAL | 69050350 | 2 | EACH | MAILBOX REMOVED AND RESET |
| | | | | | | | | | | | | | | | | | EROSION CONTROL |
| | 5 | | | | | | | | | 2 | 2 | | 601 | 21050 | 9 | SY | TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT |
| | | | | | 2,043 | | | | | | | | 653 | 10001 | 2,043 | CY | TOPSOIL FURNISHED AND PLACED, AS PER PLAN |
| 2 | | | | | | | | | | | | | 659 | 00100 | 2 | EACH | SOIL ANALYSIS TEST |
| | | | | | 47,223 | | | | | | | | 659 | 00510 | 47,223 | SY | SEEDING AND MULCHING, CLASS 2 |
| 2,361 | | | | | | | | | | | | | 659 | 14000 | 2,361 | SY | REPAIR SEEDING AND MULCHING |
| 2,361 | | | | | | | | | | | | | 659 | 15000 | 2,361 | SY | INTER-SEEDING |
| 6.59 | | | | | | | | | | | | | 659 | 20000 | 6.59 | TON | COMMERCIAL FERTILIZER |
| 9.76 | | | | | | | | | | | | | 659 | 31000 | 9.76 | ACRE | LIME |
| 261 | | | | | | | | | | | | | 659 | 35000 | 261 | MGAL | WATER |
| | | | | 4,119 | | | | | | | | | 670 | 00720 | 4,119 | SY | DITCH EROSION PROTECTION MAT, TYPE B |

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LOCATION 1C SUB-SUMMARY

LIC-40-0.00

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| LOCATION 1C SHEET TOTALS | | | | | | | | | | ITEM | ITEM EXT. | GRAND TOTAL | UNIT | DESCRIPTION | |
|--------------------------|-------|-------|-------|-----|-----|-----|-------|-------|-------|---------|-----------|-------------|------|--|-----------------|
| 69 | 73 | 157 | 159 | 161 | 342 | 364 | 365 | 366 | 367 | | | | | | |
| | | | | | | | | | | | | | | | DRAINAGE |
| | | | | | | 804 | | | | 202 | 35100 | 804 | FT | PIPE REMOVED, 24" AND UNDER | |
| | | | | | | 12 | | | | 202 | 58100 | 12 | EACH | CATCH BASIN REMOVED | |
| | | | | | | 279 | | | | SPECIAL | 20270000 | 279 | FT | FILL AND PLUG EXISTING CONDUIT, 15" | |
| | | | | 2 | | | 2 | | | 602 | 20000 | 4 | CY | CONCRETE MASONRY | |
| | | | | | | | | 6,396 | 6,380 | 605 | 11100 | 12,776 | FT | 6" SHALLOW PIPE UNDERDRAINS | |
| 20 | | | | | | | | 200 | 200 | 605 | 13300 | 420 | FT | 6" UNCLASSIFIED PIPE UNDERDRAINS | |
| | | | | | | | | 7,583 | 7,563 | 605 | 14000 | 15,146 | FT | 6" BASE PIPE UNDERDRAINS | |
| 20 | | | | | | | | | | 605 | 31100 | 20 | FT | AGGREGATE DRAINS | |
| 20 | | | | | | | | | | 611 | 00100 | 20 | FT | 4" CONDUIT, TYPE B | |
| 40 | | | | | | | | | | 611 | 00900 | 40 | FT | 6" CONDUIT, TYPE B | |
| | | | | | | | | 528 | 541 | 611 | 00510 | 1,069 | FT | 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS | |
| 20 | | | | | | | | | | 611 | 01400 | 20 | FT | 6" CONDUIT, TYPE E | |
| 40 | | | | | | | | | | 611 | 01500 | 40 | FT | 6" CONDUIT, TYPE F | |
| | | | | | | | 189 | | | 611 | 05900 | 189 | FT | 15" CONDUIT, TYPE B | |
| | | | | 181 | | | | | | 611 | 06400 | 181 | FT | 15" CONDUIT, TYPE D | |
| | | | | | | | 5 | | | 611 | 07400 | 5 | FT | 18" CONDUIT, TYPE B | |
| | | | | | | | 199 | | | 611 | 12100 | 199 | FT | 27" CONDUIT, TYPE C | |
| | | | | | | | 1,075 | | | 611 | 97010 | 1,075 | FT | SLOTTED DRAIN, TYPE 2 , 12" | |
| | | | | | | | 8 | | | 611 | 98410 | 8 | EACH | CATCH BASIN, NO. 8 | |
| | | | | | | | 6 | | | 611 | 98630 | 6 | EACH | CATCH BASIN ADJUSTED TO GRADE | |
| | | | | | | | 5 | | | 611 | 98631 | 5 | EACH | CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN | |
| 2 | | | | | | | | 1 | 1 | 611 | 99710 | 4 | EACH | PRECAST REINFORCED CONCRETE OUTLET | |
| | | | | 35 | | | | | | 625 | 29600 | 35 | FT | TRENCH IN PAVED AREA, TYPE B | |
| | | | | | | | | | | | | | | | PAVEMENT |
| | 100 | | | | | | | | | 253 | 02000 | 100 | CY | PAVEMENT REPAIR | |
| | 3,500 | | | | | | | | | 254 | 01000 | 3,500 | SY | PAVEMENT PLANING, ASPHALT CONCRETE , 1.25" | |
| | | 2,541 | 2,615 | | | | | | | 254 | 01000 | 5,156 | SY | PAVEMENT PLANING, ASPHALT CONCRETE , VARIABLE (3.00" MAX) | |
| | | | | 394 | | | | | | 254 | 01000 | 394 | SY | PAVEMENT PLANING, ASPHALT CONCRETE , VARIABLE (5.00" MAX) | |
| | | 4,807 | 4,854 | 158 | | | | | | 301 | 46000 | 9,819 | CY | ASPHALT CONCRETE BASE, PG64-22 | |
| | | | | | 19 | | | | | 301 | 48000 | 19 | CY | ASPHALT CONCRETE BASE, PG64-22 (DRIVEWAYS) | |
| | | 4,911 | 4,881 | 110 | | | | | | 304 | 20000 | 9,902 | CY | AGGREGATE BASE | |
| | 280 | 3,083 | 3,075 | 113 | 10 | | | | | 407 | 20000 | 6,561 | GAL | NON-TRACKING TACK COAT | |
| | 250 | 684 | 681 | | | | | | | 408 | 10001 | 1,615 | GAL | PRIME COAT, AS PER PLAN | |
| | | | | | 34 | | | | | 411 | 10000 | 34 | CY | STABILIZED CRUSHED AGGREGATE | |
| | 125 | | | 36 | 6 | | | | | 441 | 50000 | 167 | CY | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 | |
| | | 2,089 | 2,097 | | | | | | | 442 | 00100 | 4,186 | CY | ANTI-SEGREGATION EQUIPMENT | |
| | | 1,285 | 1,282 | | | | | | | 442 | 10000 | 2,567 | CY | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446) | |
| | | 1,285 | 1,282 | | | | | | | 442 | 10101 | 2,567 | CY | ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN (PG64-22/PG64-28) | |
| | 25 | 95 | 95 | | | | | | | 617 | 10101 | 215 | CY | COMPACTED AGGREGATE, AS PER PLAN | |

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| LOCATION 1C SUB-SUMMARY | | | |
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| 38 442 | | | |

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LOCATION 1D SHEET TOTALS

| LOCATION 1D SHEET TOTALS | | | | | | | | | | | | | ITEM | ITEM EXT. | GRAND TOTAL | UNIT | DESCRIPTION |
|--------------------------|----|--------|--------|---------|-----|--------|--------|--------|-----|--------|-----|-----|---------|-----------|-------------|------|---|
| 68 | 69 | 152 | 153 | 154 | 155 | 156 | 158 | 160 | 161 | 343 | 366 | 367 | | | | | |
| ROADWAY | | | | | | | | | | | | | | | | | |
| | | 57,370 | 58,400 | | | | | | | 2,219 | | | 202 | 23000 | 117,989 | SY | PAVEMENT REMOVED |
| | | 114 | 118 | | | | | | | | | | 202 | 23001 | 232 | SY | PAVEMENT REMOVED, AS PER PLAN |
| | | | | | | | | | | 33 | | | 202 | 32000 | 33 | FT | CURB REMOVED |
| | | 3,344 | 1,538 | | | | | | | | | | 202 | 38000 | 4,882 | FT | GUARDRAIL REMOVED |
| 1 | | | | | | | | | | | | | 202 | 98100 | 1 | EACH | REMOVAL MISC.: PRIVATE SIGN AND LANDSCAPING |
| | | | | | | 21,041 | | | | 140 | | | 203 | 10000 | 21,181 | CY | EXCAVATION |
| | | | | | | 5,774 | | | | 100 | | | 203 | 20000 | 5,874 | CY | EMBANKMENT |
| | | | | | | | | | | 2,528 | | | 204 | 10000 | 2,528 | SY | SUBGRADE COMPACTION |
| | | | | | | | | 18,112 | | | | | 204 | 20000 | 18,112 | CY | EMBANKMENT |
| | | | | | | | 33 | 34 | 1 | | | | 204 | 45000 | 68 | hour | PROOF ROLLING |
| | | | | | | | 1,979 | 2,001 | 23 | | | | 206 | 10500 | 4,003 | TON | CEMENT |
| | | | | | | | 65,524 | 66,266 | 738 | | | | 206 | 11000 | 132,528 | SY | CURING COAT |
| | | | | | | | 65,524 | 66,266 | 738 | | | | 206 | 15020 | 132,528 | SY | CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP |
| | | | | 6,525.0 | | | | | | | | | 606 | 15050 | 6,525.0 | FT | GUARDRAIL, TYPE MGS |
| | | | | 10 | | | | | | | | | 606 | 26150 | 10 | EACH | ANCHOR ASSEMBLY, MGS TYPE E (NCHRP 350/MASH 2016) |
| | | | | 20 | | | | | | | | | 606 | 26500 | 20 | EACH | ANCHOR ASSEMBLY, TYPE T |
| | | | | 84 | | | | | | | | | 626 | 00110 | 84 | EACH | BARRIER REFLECTOR, TYPE 2 (ONE-WAY) |
| | | | | | | | | | | 25 | | | SPECIAL | 69050100 | 25 | EACH | MAILBOX SUPPORT SYSTEM, SINGLE |
| | | | | | | | | | | 18 | | | SPECIAL | 69050200 | 18 | EACH | MAILBOX SUPPORT SYSTEM, DOUBLE |
| | | | | | | | | | | 78 | | | SPECIAL | 69050350 | 78 | EACH | MAILBOX REMOVED AND RESET |
| EROSION CONTROL | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | 26 | 24 | 601 | 21050 | 55 | SY | TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT |
| | | | | | | 518 | | | | | | | 653 | 10001 | 518 | CY | TOPSOIL FURNISHED AND PLACED, AS PER PLAN |
| 2 | | | | | | | | | | | | | 659 | 00100 | 2 | EACH | SOIL ANALYSIS TEST |
| | | | | | | | | | | 45,288 | | | 659 | 00510 | 45,288 | SY | SEEDING AND MULCHING, CLASS 2 |
| 2,268 | | | | | | | | | | | | | 659 | 14000 | 2,268 | SY | REPAIR SEEDING AND MULCHING |
| 2,268 | | | | | | | | | | | | | 659 | 15000 | 2,268 | SY | INTER-SEEDING |
| 6.33 | | | | | | | | | | | | | 659 | 20000 | 6.33 | TON | COMMERCIAL FERTILIZER |
| 9.37 | | | | | | | | | | | | | 659 | 31000 | 9.37 | ACRE | LIME |
| 251 | | | | | | | | | | | | | 659 | 35000 | 251 | MGAL | WATER |
| | | | | | | 4,167 | | | | | | | 670 | 00520 | 4,167 | SY | SLOPE EROSION PROTECTION MAT, TYPE B |
| | | | | | | 484 | | | | | | | 670 | 00720 | 484 | SY | DITCH EROSION PROTECTION MAT, TYPE B |

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LOCATION 1D SUB-SUMMARY

LIC-40-0.00

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| LOCATION 1D SHEET TOTALS | | | | | | | | | | | ITEM | ITEM EXT. | GRAND TOTAL | UNIT | DESCRIPTION |
|--------------------------|-----|-------|--------|--------|-----|-----|-----|-----|--------|--------|-----------------|-----------|-------------|------|--|
| 69 | 70 | 73 | 158 | 160 | 161 | 343 | 364 | 365 | 366 | 367 | | | | | |
| | | | | | | | | | | | DRAINAGE | | | | |
| | | | | | | | 578 | | | | 202 | 35100 | 578 | FT | PIPE REMOVED, 24" AND UNDER |
| | | | | | | | 119 | | | | 202 | 35200 | 119 | FT | PIPE REMOVED, OVER 24" |
| | | | | | | | 1 | | | | 202 | 58100 | 1 | EACH | CATCH BASIN REMOVED |
| | | | | | | 2 | | 2 | | | 602 | 20000 | 4 | CY | CONCRETE MASONRY |
| 50 | | | | | | | | | 100 | 100 | 605 | 13300 | 250 | FT | 6" UNCLASSIFIED PIPE UNDERDRAINS |
| | | | | | | | | | 16,517 | 16,517 | 605 | 14000 | 33,034 | FT | 6" BASE PIPE UNDERDRAINS |
| 50 | | | | | | | | | | | 605 | 31100 | 50 | FT | AGGREGATE DRAINS |
| 50 | | | | | | | | | | | 611 | 00100 | 50 | FT | 4" CONDUIT, TYPE B |
| 100 | | | | | | | | | | | 611 | 00900 | 100 | FT | 6" CONDUIT, TYPE B |
| | | | | | | | | | 343 | 336 | 611 | 00510 | 679 | FT | 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS |
| 50 | | | | | | | | | | | 611 | 01400 | 50 | FT | 6" CONDUIT, TYPE E |
| 100 | | | | | | | | | | | 611 | 01500 | 100 | FT | 6" CONDUIT, TYPE F |
| | | | | | | | | 140 | | | 611 | 05700 | 140 | FT | 15" CONDUIT, TYPE A |
| | | | | | | 149 | | | | | 611 | 06400 | 149 | FT | 15" CONDUIT, TYPE D |
| | | | | | | | | 146 | | | 611 | 07200 | 146 | FT | 18" CONDUIT, TYPE A |
| | | | | | | | | 186 | | | 611 | 10400 | 186 | FT | 24" CONDUIT, TYPE B |
| | | | | | | | | 120 | | | 611 | 13200 | 120 | FT | 30" CONDUIT, TYPE A |
| | | | | | | | | 1 | | | 611 | 98470 | 1 | EACH | CATCH BASIN, NO. 2-2B |
| | | | | | | | | 5 | | | 611 | 98630 | 5 | EACH | CATCH BASIN ADJUSTED TO GRADE |
| 5 | | | | | | | | | 14 | 13 | 611 | 99710 | 32 | EACH | PRECAST REINFORCED CONCRETE OUTLET |
| | | | | | | | | | | | PAVEMENT | | | | |
| | 400 | | | | | | | | | | 252 | 01500 | 400 | FT | FULL DEPTH PAVEMENT SAWING |
| | | 100 | | | | | | | | | 253 | 01000 | 100 | CY | PAVEMENT REPAIR |
| | | 3,500 | | | | | | | | | 254 | 01000 | 3,500 | SY | PAVEMENT PLANING, ASPHALT CONCRETE , 1.25" |
| | | | | | 549 | | | | | | 254 | 01000 | 549 | SY | PAVEMENT PLANING, ASPHALT CONCRETE , VARIABLE (5.00" MAX) |
| | | | 11,019 | 11,148 | 177 | | | | | | 301 | 46000 | 22,344 | CY | ASPHALT CONCRETE BASE, PG64-22 |
| | | | | | | 196 | | | | | 301 | 48000 | 196 | CY | ASPHALT CONCRETE BASE, PG64-22 (DRIVEWAYS) |
| | | | 11,165 | 11,302 | 127 | | | | | | 304 | 20000 | 22,594 | CY | AGGREGATE BASE |
| | | 280 | 6,554 | 6,627 | 143 | 98 | | | | | 407 | 20000 | 13,702 | GAL | NON-TRACKING TACK COAT |
| | | 250 | 1,477 | 1,477 | | | | | | | 408 | 10001 | 3,204 | GAL | PRIME COAT, AS PER PLAN |
| | | | | | | 129 | | | | | 411 | 10000 | 129 | CY | STABILIZED CRUSHED AGGREGATE |
| | | 125 | | | 45 | 57 | | | | | 441 | 50000 | 227 | CY | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 |
| | | | 5,462 | 4,600 | | | | | | | 442 | 00100 | 10,062 | CY | ANTI-SEGREGATION EQUIPMENT |
| | | | 2,731 | 2,762 | | | | | | | 442 | 10000 | 5,493 | CY | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446) |
| | | | 2,731 | 2,762 | | | | | | | 442 | 10101 | 5,493 | CY | ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN (PG64-22/PG64-28) |
| | | | | | | 65 | | | | | 452 | 10010 | 65 | SY | 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P (DRIVEWAYS) |
| | | | | | | 230 | | | | | 452 | 12010 | 230 | SY | 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P (DRIVEWAYS) |
| | | 25 | 206 | 206 | | | | | | | 617 | 10101 | 437 | CY | COMPACTED AGGREGATE, AS PER PLAN |

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| LOCATION 1D SUB-SUMMARY | LIC-40-0.00 | 42 442 |
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| LOCATION TOTALS | | | | | PLAN SPLITS | | | | | ITEM | ITEM EXT. | GRAND TOTAL | UNIT | DESCRIPTION | SEE SHEET |
|-----------------|---------|---------|---------|----------------|--------------------|---------------|---------------|---------------|--------------------|---------|-----------|-------------|------|--|-----------|
| LOC. 1A | LOC. 1B | LOC. 1C | LOC. 1D | LOC. 1D SCHOOL | 01/S>2/ PV/REYN | 02/S>2/ PV | 03/S>2/ PV | 04/STR/ PV | 05/STR/ OT/SLSD | | | | | | |
| | | | | | | | | | | | | | | ROADWAY | |
| | | | | | | | LS | LS | | 201 | 11000 | LS | LS | CLEARING AND GRUBBING | |
| | | 51,578 | 117,989 | | | | 51,578 | 117,989 | | 202 | 23000 | 169,567 | SY | PAVEMENT REMOVED | |
| | | | 232 | | | | | 232 | | 202 | 23001 | 232 | SY | PAVEMENT REMOVED, AS PER PLAN | |
| 1,092 | 2,760 | | | | 1,092 | 2,760 | | | | 202 | 23500 | 3,852 | SY | WEARING COURSE REMOVED | |
| | | | 33 | | | | | 33 | | 202 | 32000 | 33 | FT | CURB REMOVED | |
| | | 2,859 | 4,882 | | | | 2,859 | 4,882 | | 202 | 38000 | 7,741 | FT | GUARDRAIL REMOVED | |
| | | | 1 | | | | | 1 | | 202 | 98100 | 1 | EACH | REMOVAL MISC.: PRIVATE SIGN AND LANDSCAPING | 68 |
| | | | | | | | | | | | | | | | |
| | | 12,194 | 21,181 | 186 | | | 12,194 | 21,181 | 186 | 203 | 10000 | 33,561 | CY | EXCAVATION | |
| | | 4,852 | 5,874 | | | | 4,852 | 5,874 | | 203 | 20000 | 10,726 | CY | EMBANKMENT | |
| | | | | | | | | | | | | | | | |
| | | 305 | 2,528 | | | | 305 | 2,528 | | 204 | 10000 | 2,833 | SY | SUBGRADE COMPACTION | |
| | | | 18,112 | | | | | 18,112 | | 204 | 20000 | 18,112 | CY | EMBANKMENT | |
| | | 31 | 68 | 2 | | | 31 | 68 | 2 | 204 | 45000 | 101 | HOUR | PROOF ROLLING | |
| | | | | | | | | | | | | | | | |
| | | 1,722 | 4,003 | 48 | | | 1,722 | 4,003 | 48 | 206 | 10500 | 5,773 | TON | CEMENT | |
| | | 57,008 | 132,528 | 1,543 | | | 57,008 | 132,528 | 1,543 | 206 | 11000 | 191,079 | SY | CURING COAT | |
| | | 57,008 | 132,528 | 1,543 | | | 57,008 | 132,528 | 1,543 | 206 | 15020 | 191,079 | SY | CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP | |
| | | | | | | | LS | LS | | 206 | 30000 | | LS | MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS | |
| | | | | | | | | | | | | | | | |
| | | 3,537.5 | 6,525.0 | | | | 3,537.5 | 6,525.0 | | 606 | 15050 | 10,062.5 | FT | GUARDRAIL, TYPE MGS | |
| | | 4 | 10 | | | | 4 | 10 | | 606 | 26150 | 14 | EACH | ANCHOR ASSEMBLY, MGS TYPE E (NCHRP 350/MASH 2016) | |
| | | 4 | 20 | | | | 4 | 20 | | 606 | 26500 | 24 | EACH | ANCHOR ASSEMBLY, TYPE T | |
| | | | | | | | | | | | | | | | |
| | | | | 166 | | | | | 166 | 609 | 26001 | 166 | FT | CURB, TYPE 6, AS PER PLAN | 65 |
| | | 41 | 84 | | | | 41 | 84 | | 626 | 00110 | 125 | EACH | BARRIER REFLECTOR, TYPE 2 (ONE-WAY) | |
| | | 1 | 25 | | | | 1 | 25 | | SPECIAL | 69050100 | 26 | EACH | MAILBOX SUPPORT SYSTEM, SINGLE | 71 |
| | | | 18 | | | | | 18 | | SPECIAL | 69050200 | 18 | EACH | MAILBOX SUPPORT SYSTEM, DOUBLE | 71 |
| | | 2 | 78 | | | | 2 | 78 | | SPECIAL | 69050350 | 80 | EACH | MAILBOX REMOVED AND RESET | 71 |
| | | | | | | | | | | | | | | | |
| | | | | | | | LS | LS | | 878 | 25000 | LS | LS | INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS | |
| | | | | | | | | | | | | | | EROSION CONTROL | |
| | | 9 | 55 | | | | 9 | 55 | | 601 | 21050 | 64 | SY | TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT | |
| | | 2,043 | 518 | 4 | | | 2,043 | 518 | 4 | 653 | 10001 | 2,565 | CY | TOPSOIL FURNISHED AND PLACED, AS PER PLAN | 68 |
| | | | | | | | | | | | | | | | |
| | | 2 | 2 | | | | 2 | 2 | | 659 | 00100 | 4 | EACH | SOIL ANALYSIS TEST | |
| | | 47,223 | 45,288 | | | | 47,223 | 45,288 | | 659 | 00510 | 92,511 | SY | SEEDING AND MULCHING, CLASS 2 | |
| | | 2,361 | 2,268 | | | | 2,361 | 2,268 | | 659 | 14000 | 4,629 | SY | REPAIR SEEDING AND MULCHING | |
| | | 2,361 | 2,268 | | | | 2,361 | 2,268 | | 659 | 15000 | 4,629 | SY | INTER-SEEDING | |
| | | 6.59 | 6.33 | | | | 6.59 | 6.33 | | 659 | 20000 | 12.92 | TON | COMMERCIAL FERTILIZER | |
| | | 9.76 | 9.37 | | | | 9.76 | 9.37 | | 659 | 31000 | 19.13 | ACRE | LIME | |
| | | 261 | 251 | | | | 261 | 251 | | 659 | 35000 | 512 | MGAL | WATER | |
| | | | | | | | | | | | | | | | |
| | | | 4,167 | | | | | 4,167 | | 670 | 00520 | 4,167 | SY | SLOPE EROSION PROTECTION MAT, TYPE B | |
| | | 4,119 | 484 | | | | 4,119 | 484 | | 670 | 00720 | 4,603 | SY | DITCH EROSION PROTECTION MAT, TYPE B | |
| | | | | | | | | | | | | | | | |
| | | | | | | | LS | LS | | 832 | 15000 | LS | LS | STORM WATER POLLUTION PREVENTION PLAN | |
| | | | | | | | LS | LS | | 832 | 15002 | LS | LS | STORM WATER POLLUTION PREVENTION INSPECTIONS | |
| | | | | | | | LS | LS | | 832 | 15010 | LS | LS | STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE | |
| | | | | | | | 250,000 | 250,000 | | 832 | 30000 | 500,000 | EACH | EROSION CONTROL | |

GENERAL SUMMARY

LIC-40-0.00

CALCULATED
PTB
CHECKED
JSL

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| LOCATION TOTALS | | | | | PLAN SPLITS | | | | | ITEM | ITEM EXT. | GRAND TOTAL | UNIT | DESCRIPTION | SEE SHEET |
|-----------------|---------|---------|---------|----------------|-----------------|------------|------------|------------|-----------------|------|-----------|-------------|------|--|-----------|
| LOC. 1A | LOC. 1B | LOC. 1C | LOC. 1D | LOC. 1D SCHOOL | 01/S>2/ PV/REYN | 02/S>2/ PV | 03/S>2/ PV | 04/STR/ PV | 05/STR/ OT/SLSD | | | | | | |
| | | | 400 | | | | | 400 | | 252 | 01500 | 400 | FT | PAVEMENT FULL DEPTH PAVEMENT SAWING | |
| 50 | 100 | 100 | 100 | | 50 | 100 | 100 | 100 | | 253 | 02000 | 350 | CY | PAVEMENT REPAIR | |
| | | 3,500 | 3,500 | | | | 3,500 | 3,500 | | 254 | 01000 | 7,000 | SY | PAVEMENT PLANING, ASPHALT CONCRETE , 1.25" | |
| 59,495 | 150,063 | | | | 59,495 | 150,063 | | | | 254 | 01000 | 209,558 | SY | PAVEMENT PLANING, ASPHALT CONCRETE , 3.00" | |
| | | 5,156 | | | | | 5,156 | | | 254 | 01000 | 5,156 | SY | PAVEMENT PLANING, ASPHALT CONCRETE , VARIABLE (3.00" MAX) | |
| | | 394 | 549 | | | | 394 | 549 | | 254 | 01000 | 943 | SY | PAVEMENT PLANING, ASPHALT CONCRETE , VARIABLE (5.00" MAX) | |
| | | 9,819 | 22,344 | 283 | | | 9,819 | 22,344 | 283 | 301 | 46000 | 32,446 | CY | ASPHALT CONCRETE BASE, PG64-22 | |
| | | 19 | 196 | | | | 19 | 196 | | 301 | 48000 | 215 | CY | ASPHALT CONCRETE BASE, PG64-22 (DRIVEWAYS) | |
| | | 9,902 | 22,594 | 259 | | | 9,902 | 22,594 | 259 | 304 | 20000 | 32,755 | CY | AGGREGATE BASE | |
| 7,825 | 19,733 | 6,561 | 13,702 | 155 | 7,825 | 19,733 | 6,561 | 13,702 | 155 | 407 | 20000 | 47,976 | GAL | NON-TRACKING TACK COAT | |
| 1,517 | 2,986 | 1,615 | 3,204 | | 1,517 | 2,986 | 1,615 | 3,204 | | 408 | 10001 | 9,322 | GAL | PRIME COAT, AS PER PLAN | 2 |
| | | 34 | 129 | | | | 34 | 129 | | 411 | 10000 | 163 | CY | STABILIZED CRUSHED AGGREGATE | |
| 39 | 97 | 167 | 227 | 18 | 39 | 97 | 167 | 227 | 18 | 441 | 50000 | 548 | CY | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 | |
| 4,143 | 10,315 | 4,186 | 10,062 | 87 | 4,143 | 10,315 | 4,186 | 10,062 | 87 | 442 | 00100 | 28,793 | CY | ANTI-SEGREGATION EQUIPMENT | |
| 2,481 | 6,255 | 2,567 | 5,493 | 44 | 2,481 | 6,255 | 2,567 | 5,493 | 44 | 442 | 10000 | 16,840 | CY | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446) | |
| 2,481 | 6,255 | 2,567 | 5,493 | 44 | 2,481 | 6,255 | 2,567 | 5,493 | 44 | 442 | 10101 | 16,840 | CY | ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN (PG64-22/PG64-28) | 3 |
| | | | 65 | | | | | 65 | | 452 | 10010 | 65 | SY | 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P (DRIVEWAYS) | |
| | | | 230 | | | | | 230 | | 452 | 12010 | 230 | SY | 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P (DRIVEWAYS) | |
| 212 | 415 | 215 | 437 | | 212 | 415 | 215 | 437 | | 617 | 10101 | 1,279 | CY | COMPACTED AGGREGATE, AS PER PLAN | 2 |

| | | | |
|------------------------|-----|---------|-----|
| CALCULATED | PTB | CHECKED | JSL |
| GENERAL SUMMARY | | | |
| LIC-40-0.00 | | | |
| 48 442 | | | |

ITEM 614, DETOUR SIGNING, AS PER PLAN

THE CONTRACTOR SHALL SUPPLY, ERECT, MAINTAIN, AND REMOVE ALL DETOUR SIGNING AS SHOWN IN THE PLANS.

PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIAL AND INCIDENTALS TO PERFORM THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614, DETOUR SIGNING, AS PER PLAN.

ITEM 614, REPLACEMENT DRUM

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT DRUMS SHALL BE NEW.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT DRUM, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM AND PROVIDING AND MAINTAINING THE REPLACEMENT DRUM IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUM.

ITEM 614, REPLACEMENT DRUM
LOCATION 1C: 50 EACH
LOCATION 1D: 10 EACH

ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (BIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

ANCHORED IMPACT ATTENUATORS SHALL NOT BE INSTALLED ON FINAL SURFACE COURSE

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN

IN ADDITION TO THE PAVEMENT BUILDUPS SHOWN IN CMS 615.05, THE FOLLOWING ASPHALT BUILDUP MAY ALSO BE USED, AS DIRECTED BY THE ENGINEER:

- ITEM 441, 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE I, (448), PG64-22
- ITEM 407, NON-TRACKING TACK COAT (APPLIED AT A RATE OF 0.05 GAL./ SQ. YD.)
- ITEM 301, **7.5" ASPHALT CONCRETE BASE, PG64-22

**** THICKNESS MAY BE REDUCED TO 6" AT LOCATIONS NOT UNDER LIVE TRAFFIC**

THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE DRIVING SURFACE THROUGHOUT THE USE OF THE PAVEMENT.

PAYMENT SHALL BE MADE AT THE UNIT PRICE BID AND INCLUDE ALL LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE ITEM.

ITEM 614, WORK ZONE CROSSOVER LIGHTING SYSTEM

THIS WORK SHALL CONSIST OF FURNISHING, ERECTING, OPERATING, MAINTAINING AND REMOVING A WORK ZONE LIGHTING SYSTEM FOR A SINGLE CROSSOVER, OR OVERLAPPING A PAIR OF CROSSOVERS. THE SYSTEM SHALL BE AS SHOWN ON STANDARD DRAWING MT-100.00. THE CONTRACTOR SHALL ARRANGE AND PAY FOR POWER. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH APPLICABLE PORTIONS OF 625 AND 725 EXCEPT: THE PERFORMANCE TEST OF 625.19F, AND CERTIFIED DRAWING REQUIREMENT OF 625.04, ARE WAIVED AND USED MATERIALS IN GOOD CONDITION ARE ACCEPTABLE.

POLES WHICH ARE NOT PROTECTED BY GUARDRAIL OR PORTABLE BARRIER SHALL BE LOCATED OUTSIDE THE CLEAR ZONE AND SHOULD BE LOCATED AT LEAST 30 FEET (PREFERABLY 40 FEET) FROM THE EDGE OF PAVEMENT WHEN POSSIBLE. ADDITIONAL POLE LINES, CABLES AND APPURTENANCES NECESSARY TO FURNISH POWER TO THE LIGHTING SYSTEM SHALL BE INCLUDED IN THIS ITEM. SERVICE POLES SHALL BE POSITIONED WITH THE SAME CONSTRAINTS AS THE LIGHTING POLES AS A MINIMUM.

PAYMENT WILL BE MADE AT THE UNIT PRICE PER EACH FOR ITEM 614, WORK ZONE CROSSOVER LIGHTING SYSTEM THROUGHOUT ALL PHASES OF WORK WHEN THE CROSSOVER ROADWAYS ARE USED.

ITEM 614, WORK ZONE CROSSOVER LIGHTING SYSTEM
LOCATION 1C: 1 EACH

DESIGNATED LOCAL DETOUR ROUTE

IN ADDITION TO THE OFFICIAL STATE SIGNED DETOUR ROUTE, LOCAL ROUTES HAVE BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED DETOUR ROUTE OR "DESIGNATED LOCAL DETOUR ROUTE." THE ROUTES SHOWN ON SHEETS 78 AND 81. DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THIS ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTE SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DETERMINED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE LOCATION SUB-SUMMARIES FOR USE AS DETERMINED BY THE ENGINEER TO MAINTAIN AND SUBSEQUENTLY RESTORE THE DESIGNATED LOCAL DETOUR ROUTES SHOWN IN THE PLANS.

ITEM 253, PAVEMENT REPAIR
LOCATION 1C: 100 CU. YD.
LOCATION 1D: 100 CU. YD.

ITEM 254, PAVEMENT PLANING, ASPHALT CONCRETE, 1.25"
LOCATION 1C: 3,500 SQ. YD.
LOCATION 1D: 3,500 SQ. YD.

ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22
LOCATION 1C: 125 CU. YD.
LOCATION 1D: 125 CU. YD.

ITEM 407, NON-TRACKING TACK COAT
LOCATION 1C: 280 GAL.
LOCATION 1D: 280 GAL.

ITEM 408, PRIME COAT, AS PER PLAN
LOCATION 1C: 250 GAL.
LOCATION 1D: 250 GAL.

ITEM 617, COMPACTED AGGREGATE, AS PER PLAN
LOCATION 1C: 25 CU. YD.
LOCATION 1D: 25 CU. YD.

ITEM 614, WORK ZONE CENTER LINE, CLASS I, 642 PAINT
LOCATION 1C: 2.0 MILE
LOCATION 1D: 2.0 MILE

ITEM 614, WORK ZONE STOP LINE, CLASS I, 642 PAINT
LOCATION 1C: 25 FEET
LOCATION 1D: 25 FEET

CALCULATED
LIME
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MAINTENANCE OF TRAFFIC NOTES (FULL DEPTH)

LIC-40-0.00

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| Location (Station to Station) Sta. 3081+57.84 (WB PGL) = Sta. 1081+50 (CL) | Side | Length (L) | Pavement Width (W) | Pavement Area (A) (*) - Area by Computer See Sheet 336A | 204 | 206 | | | 254 | 301 | | 304 | | 407 | | 408 | 442 | | | 617 | |
|---|------|---------------|--------------------------|--|-------------------------|---------------------------|-------------------|---|---|--|--|---|---------------------------------------|--|---|--|--|-------------------------------|--|--|---|
| | | | | | PROOF ROLLING A/2000 | CEMENT (A*60.375)/2000 | CURING COAT =A | CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP =A | PAVEMENT PLANING, ASPHALT CONCRETE, VARIABLE (3" MAX) | D=6.00" ASPHALT CONCRETE BASE, PG64-22 A*(D/36) | D=6.00" STEP=4" ASPHALT CONCRETE BASE, PG64-22 (STEP ONLY) (L/3)*(STEP/36)*(D/36) | ASPHALT CONCRETE BASE, PG64-22, VARIABLE DEPTH (6" MAX) | D=6.00" AGGREGATE BASE A*(D/36) | D=6.00" STEP=10" AGGREGATE BASE (STEP ONLY) (L/3)*(STEP/36)*(D/36) | NON-TRACKING TACK COAT (FOR INTERMEDIATE COURSE) A*0.05 | NON-TRACKING TACK COAT (FOR SURFACE COURSE) A*0.05 | PRIME COAT, AS PER PLAN (0.40 GAL/SY) (L*2)/9*0.40 | ANTI-SEGREGATION EQUIPMENT | D=1.50" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446), APP A*(D/36) | D=1.50" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446) A*(D/36) | D=2.00" COMPACTED AGGREGATE, AS PER PLAN (2*WIDTH) (L*2)/9*(D/36) |
| | | | | | Lin. Ft. | Ft. | Sq. Yd. | HOUR | TON | SY | SY | SY | CY | CY | CY | CY | GAL | GAL | GAL | CY | CY |
| Phase 1 Split 03/S>2/PV | | | | | | | | | | | | | | | | | | | | | |
| U.S. 40 Mainline | | | | | | | | | | | | | | | | | | | | | |
| 3016+58.49 to 3081+57.84 | Cl. | 6,499.35 | 24.0 | 17,331.7 | 8.67 | 523.2 | 17,331.7 | 17,331.7 | | 2,888.7 | | | 2,888.7 | | 866.6 | 866.6 | 577.8 | 1,444.4 | 722.2 | 722.2 | 80.3 |
| 1081+50.00 to 1093+36.00 | Lt. | 1,186.00 | 37.6 (Avg.) | 4,956.2 | 2.48 | 149.6 | 4,956.2 | 4,956.2 | | 826.1 | | | 826.1 | | 247.9 | 247.9 | 105.5 | 413.2 | 206.6 | 206.6 | 14.7 |
| U.S. 40 Shoulders | | | | | | | | | | | | | | | | | | | | | |
| 3016+58.49 to 3044+85.85 | Lt. | 2,827.36 | 4.0 | 1,256.7 | 0.63 | 37.9 | 1,256.7 | 1,256.7 | | 209.5 | 17.5 | | 209.5 | 43.7 | 62.9 | 62.9 | | | 52.4 | 52.4 | |
| 3044+85.85 to 3046+10.85 | Lt. | 125.00 | 6.5 (Avg.) | 90.3 | 0.05 | 2.7 | 90.3 | 90.3 | | 15.1 | 0.8 | | 15.1 | 2.0 | 4.6 | 4.6 | | | 3.8 | 3.8 | |
| 3016+58.49 to 3045+34.85 | Rt. | 2,876.36 | 4.0 | 1,278.4 | 0.64 | 38.6 | 1,278.4 | 1,278.4 | | 213.1 | 17.8 | | 213.1 | 44.4 | 64.0 | 64.0 | | | 53.3 | 53.3 | |
| 3051+25.89 to 3081+57.84 | Lt. | 3,031.95 | 4.0 | 1,347.6 | 0.68 | 40.7 | 1,347.6 | 1,347.6 | | 224.6 | 18.8 | | 224.6 | 46.8 | 67.4 | 67.4 | | | 56.2 | 56.2 | |
| 3052+15.00 to 3081+57.84 | Rt. | 2,942.84 | 4.0 | 1,308.0 | 0.66 | 39.5 | 1,308.0 | 1,308.0 | | 218.0 | 18.2 | | 218.0 | 45.5 | 65.4 | 65.4 | | | 54.5 | 54.5 | |
| 1081+50.00 to 1092+12.62 | Lt. | 1,062.62 | 4.0 | 472.3 | 0.24 | 14.3 | 472.3 | 472.3 | | 78.8 | 6.6 | | 78.8 | 16.4 | 23.7 | 23.7 | | | 19.7 | 19.7 | |
| Extra Areas | | | | | | | | | | | | | | | | | | | | | |
| S.R. 310 Intersection Area | | | | | | | | | | | | | | | | | | | | | |
| 3046+75.91 to 3047+25.91 | Rt. | 50.00 | 20.0 | 111.2 | 0.06 | 3.4 | 111.2 | 111.2 | | 18.6 | | | 18.6 | | 5.6 | 5.6 | | 9.4 | 4.7 | 4.7 | |
| Westbound Right Turn Lane to S.R. 310 | | | | | | | | | | | | | | | | | | | | | |
| 3046+10.85 to 3051+25.89 | Lt. | 515.04 | | 927.0 (*) | | | | 927.0 | | | 14.8 | | | | 46.4 | 46.4 | | 77.4 | 38.7 | 38.7 | |
| Westbound Left Turn Lane to S.R. 310 | | | | | | | | | | | | | | | | | | | | | |
| 3047+25.91 to 3052+15.00 | Rt. | 489.09 | | 1,613.6 (*) | | | | 1,613.6 | | | | | | | 80.7 | 80.7 | | 134.6 | 67.3 | 67.3 | |
| Westbound Left Turn Taper for S.R. 310 | | | | | | | | | | | | | | | | | | | | | |
| 3052+15.00 to 3053+00.00 | Rt. | 85.00 | | 116.2 (*) | 0.06 | 3.5 | 116.2 | 116.2 | | 19.4 | | | 19.4 | | 5.9 | 5.9 | | 9.8 | 4.9 | 4.9 | |
| Subtotals | | | | | 14.17 | 853.4 | 28,268.6 | 28,268.6 | 2,540.6 | 4,711.9 | 79.7 | 14.9 | 4,711.9 | 198.8 | 1,541.1 | 1,541.1 | 683.3 | 2,088.8 | 1,284.3 | 1,284.3 | 95.0 |
| Totals Carried to Location 1c (Full Depth) Summary | | | | | 15 | 854 | 28,269 | 28,269 | 2,541 | 4,807 | | | 4,911 | | 3,083 | 684 | 2,089 | 1,285 | 1,285 | 95 | |

CALCULATED
 PTB
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LIC-40-0.00
 157
 442

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| Location (Station to Station) Sta. 3081+57.84 (WB PGL) = Sta. 1081+50 (CL) | Side | Length (L) | Pavement Width (W) | Pavement Area (A) (*) - Area by Computer | 204 | 206 | | | 254 | 301 | | | 304 | | 407 | | 408 | 442 | | | 617 |
|---|------|---------------|--------------------------|---|-------------------------|---------------------------|-------------------|--|---|--|--|---|---------------------------------------|--|---|--|--|-------------------------------|--|--|---|
| | | | | | PROOF ROLLING A/2000 | CEMENT (A*60.375)/2000 | CURING COAT =A | CEMENT STABILIZED SUBGRADE, 14" INCHES DEEP =A | PAVEMENT PLANING, ASPHALT CONCRETE, VARIABLE (3" MAX) | D=6.00" ASPHALT CONCRETE BASE, PG64-22 A*(D/36) | D=6.00" STEP=4" ASPHALT CONCRETE BASE, PG64-22 (STEP ONLY) (L/3)*(STEP/36)*(D/36) | ASPHALT CONCRETE BASE, PG64-22, VARIABLE DEPTH (6" MAX) | D=6.00" AGGREGATE BASE A*(D/36) | D=6.00" STEP=10" AGGREGATE BASE (STEP ONLY) (L/3)*(STEP/36)*(D/36) | NON-TRACKING TACK COAT (FOR INTERMEDIATE COURSE) A*0.05 | NON-TRACKING TACK COAT (FOR SURFACE COURSE) A*0.05 | PRIME COAT, AS PER PLAN (0.40 GAL/SY) (L*2)/9*0.40 | ANTI-SEGREGATION EQUIPMENT | D=1.50" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446), APP A*(D/36) | D=1.50" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446) A*(D/36) | D=2.00" COMPACTED AGGREGATE, AS PER PLAN (2*WIDTH) (L*2)/9*(D/36) |
| | | Lin. Ft. | Ft. | Sq. Yd. | PROOF ROLLING A/2000 | TON | SY | SY | SY | CY | CY | CY | CY | CY | GAL | GAL | GAL | CY | CY | CY | CY |
| Phase 1 Split 04/S>2/PV | | | | | | | | | | | | | | | | | | | | | |
| U.S. 40 Mainline | | | | | | | | | | | | | | | | | | | | | |
| 1093+36.00 to 1094+89.43 | Lt. | 153.43 | 30.9 (Avg.) | 526.1 | 0.27 | 15.9 | 526.1 | 526.1 | | 87.7 | | | 87.7 | | 26.4 | 26.4 | 13.7 | 44.0 | 22.0 | 22.0 | 1.9 |
| 1094+89.43 to 1256+93.59 | Lt. | 16,204.16 | 30.0 | 54,013.9 | 27.01 | 1,630.5 | 54,013.9 | 54,013.9 | | 9,002.4 | | | 9,002.4 | | 2,700.7 | 2,700.7 | 1,440.4 | 4,501.2 | 2,250.6 | 2,250.6 | 200.1 |
| 1256+93.59 to 1259+50.00 | Lt. | 256.41 | 26.9 (Avg.) | 766.4 | 0.39 | 23.1 | 766.4 | 766.4 | | 127.8 | | | 127.8 | | 38.4 | 38.4 | 22.8 | 64.0 | 32.0 | 32.0 | 3.2 |
| U.S. 40 Shoulders | | | | | | | | | | | | | | | | | | | | | |
| 1097+46.50 to 1106+78.00 | Lt. | 931.50 | 4.0 | 414.0 | 0.21 | 12.5 | 414.0 | 414.0 | | 69.0 | 5.8 | | 69.0 | 14.4 | 20.7 | 20.7 | | 34.6 | 17.3 | 17.3 | |
| 1108+26.00 to 1111+91.00 | Lt. | 365.00 | 4.0 | 162.3 | 0.09 | 4.9 | 162.3 | 162.3 | | 27.1 | 2.3 | | 27.1 | 5.7 | 8.2 | 8.2 | | 13.6 | 6.8 | 6.8 | |
| 1111+91.00 to 1112+41.00 | Lt. | 50.00 | 5.0 (Avg.) | 27.8 | 0.02 | 0.8 | 27.8 | 27.8 | | 4.7 | 0.4 | | 4.7 | 0.8 | 1.4 | 1.4 | | 2.4 | 1.2 | 1.2 | |
| 1112+41.00 to 1146+54.74 | Lt. | 3,413.74 | 6.0 | 2,275.9 | 1.14 | 68.7 | 2,275.9 | 2,275.9 | | 379.4 | 21.1 | | 379.4 | 52.7 | 113.8 | 113.8 | | 189.8 | 94.9 | 94.9 | |
| 1147+94.63 to 1200+76.42 | Lt. | 5,281.79 | 6.0 | 3,521.2 | 1.77 | 106.3 | 3,521.2 | 3,521.2 | | 586.9 | 32.7 | | 586.9 | 81.6 | 176.1 | 176.1 | | 293.6 | 146.8 | 146.8 | |
| 1202+31.89 to 1259+00.00 | Lt. | 5,668.11 | 6.0 | 3,778.8 | 1.89 | 114.1 | 3,778.8 | 3,778.8 | | 629.8 | 35.0 | | 629.8 | 87.5 | 189.0 | 189.0 | | 315.0 | 157.5 | 157.5 | |
| 1259+00.00 to 1259+50.00 | Lt. | 50.00 | 6.8 (Avg.) | 37.5 | 0.02 | 1.1 | 37.5 | 37.5 | | 6.3 | 0.4 | | 6.3 | 0.8 | 1.9 | 1.9 | | 3.2 | 1.6 | 1.6 | |
| Subtotals | | | | | 32.81 | 1,978.1 | 65,523.9 | 65,523.9 | | 10,921.1 | 97.7 | | 10,921.1 | 243.5 | 3,276.6 | 3,276.6 | 1,476.9 | 5,461.4 | 2,730.7 | 2,730.7 | 205.2 |
| Totals Carried to Location 1d (Full Depth) Summary | | | | | 33 | 1,979 | 65,524 | 65,524 | | 11,019 | | | 11,165 | | 6,554 | | 1,477 | 5,462 | 2,731 | 2,731 | 206 |
| Phase 1 Split 07/STR/OT/SLSD | | | | | | | | | | | | | | | | | | | | | |
| U.S. 40 Right Turn Lane @ Smoke Rd. | | | | | | | | | | | | | | | | | | | | | |
| 1093+36.00 to 1096+96.50 | Lt. | 360.50 | 12.0 | 480.7 | 0.25 | 14.5 | 480.7 | 480.7 | | 80.2 | | | 80.2 | | 24.1 | 24.1 | | 40.2 | 20.1 | 20.1 | |
| 1096+96.50 to 1097+46.50 | Lt. | 50.00 | 6.0 (Avg.) | 33.4 | 0.02 | 1.0 | 33.4 | 33.4 | | 5.6 | | | 5.6 | | 1.7 | 1.7 | | 2.8 | 1.4 | 1.4 | |
| U.S. 40 Right Turn Lane @ School Dr. | | | | | | | | | | | | | | | | | | | | | |
| 1108+26.00 to 1111+91.00 | Lt. | 365.00 | 12.0 | 486.7 | 0.25 | 14.7 | 486.7 | 486.7 | | 81.2 | | | 81.2 | | 24.4 | 24.4 | | 40.6 | 20.3 | 20.3 | |
| 1111+91.00 to 1112+41.00 | Lt. | 50.00 | 6.0 (Avg.) | 33.4 | 0.02 | 1.0 | 33.4 | 33.4 | | 5.6 | | | 5.6 | | 1.7 | 1.7 | | 2.8 | 1.4 | 1.4 | |
| Subtotals | | | | | 0.54 | 31.3 | 1,034.2 | 1,034.2 | | 172.6 | | | 172.6 | | 51.9 | 51.9 | | 86.4 | 43.2 | 43.2 | |
| Totals Carried to Location 1d (School) Summary | | | | | 1 | 32 | 1,035 | 1,035 | | 173 | | | 173 | | 104 | | | 87 | 44 | 44 | |

| | | |
|-------------------|----------------|---|
| CALCULATED PTB | CHECKED JSL | PAVEMENT CALCULATIONS (FULL DEPTH) |
| | | |
| 158 | 442 | |

I:\Project+Data\LIC\93109\Design\Roadway\Sheets\93109_G0013.dgn Sheet 2/2/2021 12:34:51 AM jju+zi

| Location (Station to Station) Sta. 2081+41.81 (EB PGL) = Sta. 1081+50 (CL) | Side | Length (L) | Pavement Width (W) | Pavement Area (A) (* - Area by Computer See Sheet 336A | 204 | 206 | | | 254 | 301 | | | 304 | | 407 | | 408 | 442 | | | 617 |
|---|------|---------------|--------------------------|--|-------------------------|---------------------------|-------------------|---|---|--|--|---|---------------------------------------|--|---|--|--|-------------------------------|--|--|---|
| | | | | | PROOF ROLLING A/2000 | CEMENT (A*60.375)/2000 | CURING COAT =A | CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP =A | PAVEMENT PLANING, ASPHALT CONCRETE, VARIABLE (3" MAX) | D=6.00" ASPHALT CONCRETE BASE, PG64-22 A*(D/36) | D=6.00" STEP=4" ASPHALT CONCRETE BASE, PG64-22 (STEP ONLY) (L/3)*(STEP/36)*(D/36) | ASPHALT CONCRETE BASE, PG64-22, VARIABLE DEPTH (6" MAX) | D=6.00" AGGREGATE BASE A*(D/36) | D=6.00" STEP=10" AGGREGATE BASE (STEP ONLY) (L/3)*(STEP/36)*(D/36) | NON-TRACKING TACK COAT (FOR INTERMEDIATE COURSE) A*0.05 | NON-TRACKING TACK COAT (FOR SURFACE COURSE) A*0.05 | PRIME COAT, AS PER PLAN (0.40 GAL/SY) (L*2)/9*0.40 | ANTI-SEGREGATION EQUIPMENT | D=1.50" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446), APP A*(D/36) | D=1.50" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446) A*(D/36) | D=2.00" COMPACTED AGGREGATE, AS PER PLAN (2*WIDTH) (L*2)/9*(D/36) |
| | | | | | Lin. Ft. | Ft. | Sq. Yd. | HOURL | TON | SY | SY | SY | CY | CY | CY | CY | CY | GAL | GAL | GAL | CY |
| Phase 2 Split 03/S>2/PV | | | | | | | | | | | | | | | | | | | | | |
| U.S. 40 Mainline | | | | | | | | | | | | | | | | | | | | | |
| 2016+69.16 to 2081+41.81 | Cl. | 6,472.65 | 24.0 | 17,260.4 | 8.64 | 521.0 | 17,260.4 | 17,260.4 | | | | | | | | | | | | | |
| 1081+50.00 to 1093+36.00 | Rt. | 1,186.00 | 36.9 (Avg.) | 4,857.4 | 2.43 | 146.6 | 4,857.4 | 4,857.4 | | | | | | | | | | | | | |
| U.S. 40 Shoulders | | | | | | | | | | | | | | | | | | | | | |
| 2016+69.16 to 2041+20.00 | Lt. | 2,450.84 | 4.0 | 1,089.3 | 0.55 | 32.9 | 1,089.3 | 1,089.3 | | | | | | | | | | | | | |
| 2016+69.16 to 2041+86.38 | Rt. | 2,517.22 | 4.0 | 1,118.8 | 0.56 | 33.8 | 1,118.8 | 1,118.8 | | | | | | | | | | | | | |
| 2048+23.74 to 2048+73.74 | Rt. | 50.00 | 5.0 (Avg.) | 27.8 | 0.02 | 0.8 | 27.8 | 27.8 | | | | | | | | | | | | | |
| 2048+73.74 to 2081+41.81 | Rt. | 3,268.07 | 4.0 | 1,452.5 | 0.73 | 43.8 | 1,452.5 | 1,452.5 | | | | | | | | | | | | | |
| 2051+08.74 to 2081+41.81 | Lt. | 3,033.07 | 4.0 | 1,348.1 | 0.68 | 40.7 | 1,348.1 | 1,348.1 | | | | | | | | | | | | | |
| 1081+41.81 to 1093+03.50 | Rt. | 1,161.69 | 4.0 | 516.4 | 0.26 | 15.6 | 516.4 | 516.4 | | | | | | | | | | | | | |
| 1093+03.50 to 1093+36.00 | Rt. | 32.50 | 6.0 | 21.7 | 0.02 | 0.7 | 21.7 | 21.7 | | | | | | | | | | | | | |
| Extra Areas | | | | | | | | | | | | | | | | | | | | | |
| Eastbound Left Turn Lane to S.R. 310 | | | | | | | | | | | | | | | | | | | | | |
| 2041+20.00 to 2046+73.75 | Lt. | 553.75 | | 1,380.3 (*) | | | | | 1,380.3 | | | | | | | | | | | | |
| Eastbound Right Turn Lane to S.R. 310 | | | | | | | | | | | | | | | | | | | | | |
| 2041+86.38 to 2048+23.74 | Rt. | 637.36 | | 1,234.4 (*) | | | | | 1,234.4 | | | | | | | | | | | | |
| S.R. 310 Intersection Area | | | | | | | | | | | | | | | | | | | | | |
| 2046+73.75 to 2047+23.75 | Lt. | 50.00 | 20.0 | 111.2 | 0.06 | 3.4 | 111.2 | 111.2 | | | | | | | | | | | | | |
| Median Fill In | | | | | | | | | | | | | | | | | | | | | |
| 2048+77.67 to 2051+08.74 | Lt. | 231.07 | | 313.6 (*) | 0.16 | 9.5 | 313.6 | 313.6 | | | | | | | | | | | | | |
| Subtotals | | | | | 14.11 | 848.8 | 28,117.3 | 28,117.3 | 2,614.8 | 4,686.7 | 77.7 | 88.9 | 4,686.7 | 193.6 | 1,537.3 | 1,537.3 | 680.9 | 2,097.0 | 1,281.2 | 1,281.2 | 94.7 |
| Totals Carried to Location 1c (Full Depth) Summary | | | | | 15 | 849 | 28,118 | 28,118 | 2,615 | 4,854 | | | 4,881 | | 3,075 | | 681 | 2,097 | 1,282 | 1,282 | 95 |

CALCULATED: PTB
 CHECKED: JSL
PAVEMENT CALCULATIONS (FULL DEPTH)
LIC-40-0.00
 159
 442

| Location (Station to Station) Sta. 2081+41.81 (EB PGL) = Sta. 1081+50 (CL) | Side | Length (L) | Pavement Width (W) | Pavement Area (A) (*) - Area by Computer | 204 | | 206 | | | 301 | | | 304 | | 407 | | 408 | 442 | | | 617 |
|---|------|---------------|--------------------------|---|-----------------------------|-------------------------|---------------------------|-------------------|---|---|--------------|----------------------------|--|---|---|--|--|-------------------------------|----------------------------|---|---|
| | | | | | D=15.00" | PROOF ROLLING A/2000 | CEMENT (A*60.375)/2000 | CURING COAT =A | CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP =A | D=6.00" | D=6.00" | AGGREGATE BASE A*(D/36) | D=6.00" | D=6.00" | NON-TRACKING TACK COAT (FOR INTERMEDIATE COURSE) A*0.05 | NON-TRACKING TACK COAT (FOR SURFACE COURSE) A*0.05 | PRIME COAT, AS PER PLAN (0.40 GAL/SY) (L*2)/9*0.40 | ANTI-SEGREGATION EQUIPMENT | D=1.50" | D=1.50" | D=2.00" |
| | | | | | EMBANKMENT L*24/9*(D/36) | | | | | ASPHALT CONCRETE BASE, PG64-22 A*(D/36) | STEP=4" | | ASPHALT CONCRETE BASE, PG64-22 (STEP ONLY) (L/3)*(STEP/36)*(D/36) | ASPHALT CONCRETE BASE, PG64-22, VARIABLE DEPTH (6" MAX) | | | | | AGGREGATE BASE A*(D/36) | AGGREGATE BASE (STEP ONLY) (L/3)*(STEP/36)*(D/36) | ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446), APP A*(D/36) |
| Lin. Ft. | Ft. | Sq. Yd. | CY | HOUR | TON | SY | SY | CY | CY | CY | CY | CY | GAL | GAL | GAL | CY | CY | CY | CY | | |
| Phase 2 Split 04/S>2/PV | | | | | | | | | | | | | | | | | | | | | |
| U.S. 40 Mainline | | | | | | | | | | | | | | | | | | | | | |
| 1093+36.00 to 1094+89.43 | Rt. | 153.43 | 30.1 (Avg.) | 513.4 | | 0.26 | 15.5 | 513.4 | 513.4 | 85.6 | | | 85.6 | | 25.7 | 25.7 | 13.7 | 42.8 | 21.4 | 21.4 | 1.9 |
| 1094+89.43 to 1096+50.00 | Rt. | 160.57 | 30.0 | 535.3 | | 0.27 | 16.2 | 535.3 | 535.3 | 89.3 | | | 89.3 | | 26.8 | 26.8 | 14.3 | 44.8 | 22.4 | 22.4 | 2.0 |
| 1096+50.00 to 1255+33.47 | Rt. | 15,883.47 | 30.0 | 52,944.9 | 17,648.3 | 26.48 | 1,598.3 | 52,944.9 | 52,944.9 | 8,824.2 | | | 8,824.2 | | 2,647.3 | 2,647.3 | 1,411.9 | 4,412.2 | 2,206.1 | 2,206.1 | 196.1 |
| 1255+33.47 to 1259+50.00 | Rt. | 416.53 | 25.8 (Avg.) | 1,191.8 | 462.9 | 0.60 | 36.0 | 1,191.8 | 1,191.8 | 198.7 | | | 198.7 | | 59.6 | 59.6 | 37.1 | 99.4 | 49.7 | 49.7 | 5.2 |
| U.S. 40 Shoulders | | | | | | | | | | | | | | | | | | | | | |
| 1093+36.00 to 1259+00.00 | Rt. | 16,564.00 | 6.0 | 11,042.7 | | 5.53 | 333.4 | 11,042.7 | 11,042.7 | 1,840.5 | 102.3 | | 1,840.5 | 255.7 | 552.2 | 552.2 | | | 460.2 | 460.2 | |
| 1259+00.00 to 1259+50.00 | Rt. | 50.00 | 6.8 (Avg.) | 37.5 | | 0.02 | 1.1 | 37.5 | 37.5 | 6.3 | 0.4 | | 6.3 | 0.8 | 1.9 | 1.9 | | | 1.6 | 1.6 | |
| Subtotals | | | | | 18,111.2 | 33.16 | 2,000.4 | 66,265.6 | 66,265.6 | 11,044.6 | 102.7 | | 11,044.6 | 256.5 | 3,313.5 | 3,313.5 | 1,477.0 | 4,599.2 | 2,761.4 | 2,761.4 | 205.2 |
| Totals Carried to Location 1d (Full Depth) Summary | | | | | 18,112 | 34 | 2,001 | 66,266 | 66,266 | 11,148 | | | 11,302 | | 6,627 | | 1,477 | 4,600 | 2,762 | 2,762 | 206 |

PAVEMENT CALCULATIONS (FULL DEPTH)

LIC-40-0.00

CALCULATED
PTB
CHECKED
JSL



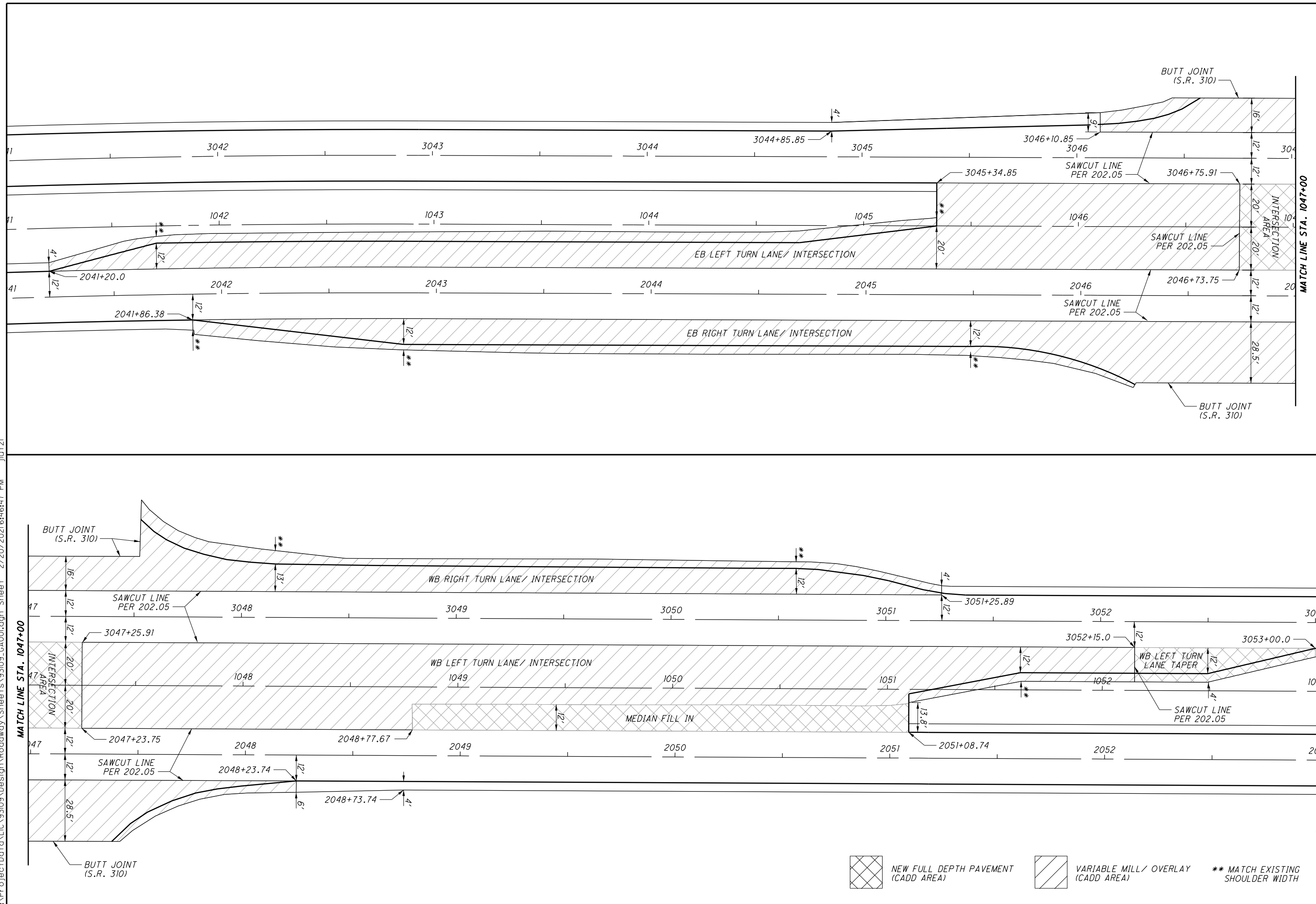
0 20 40
HORIZONTAL
SCALE IN FEET

CALCULATED
PTB
CHECKED
JSL

PAVEMENT DETAIL - U.S. 40/ S.R. 310
STA. 1041+00 TO STA. 1053+00

LIC-40-0.00

336A
442



NEW FULL DEPTH PAVEMENT
(CADD AREA)



VARIABLE MILL / OVERLAY
(CADD AREA)

** MATCH EXISTING
SHOULDER WIDTH

I:\ProjectData\LIC\93109\Design\Roadway\Sheets\93109_GA001.dgn Sheet 2/20/2021 6:46:47 PM jluTzi