

| SUMMARY OF QUANTITIES |          |  | FUND CODE | 0005     |
|-----------------------|----------|--|-----------|----------|
| ITEM #                | CODE #   | ITEM   | UNIT      | QUANTITY |
| *1                    | LR400740 | COLD IN PLACE RECYCLING, 4.0'                | SQ YD     | 49,950   |
| *2                    | LR400005 | CIR-FDR EMULSIFIED ASPHALT                   | GALLON    | 84,900   |
| 3                     | 40600100 | BITUMINOUS MATERIALS (PRIME COAT)            | GALLON    | 5,650    |
| 4                     | 40600300 | AGGREGATE (PRIME COAT)                       | TON       | 200      |
| *5                    | 40600625 | LEVEL BINDER (MACHINE METHOD), N50           | TON       | 4,200    |
| *6                    | 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD     | 732      |
| 7                     | 40600990 | TEMPORARY RAMP                               | SQ YD     | 90       |
| *8                    | 40603310 | HOT-MIX ASPHALT SURFACE COURSE MIX 'C' N50   | TON       | 3,600    |
| *9                    | 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING         | TON       | 236      |
| *10                   | 48101200 | AGGREGATE SHOULDERS, TYPE B                  | TON       | 3,400    |
| 11                    | 67100100 | MOBILIZATION                                 | L SUM     | 1        |
| *12                   | X7010216 | TRAFFIC CONTROL AND PROTECTION, SPECIAL      | L SUM     | 1        |
| 13                    | 70300100 | SHORT-TERM PAVEMENT MARKING                  | FOOT      | 6,175    |
| 14                    | 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4'         | FOOT      | 6,642    |
| *15                   | 70301000 | WORK ZONE PAVEMENT MARKING REMOVAL           | SQ FT     | 686      |
| ^ 16                  | 78001110 | PAINT PAVEMENT MARKING - LINE 4'             | FOOT      | 6,642    |
| Δ *17                 | Z0076600 | TRAINEES                                     | HR        | 1,000    |

\* SEE SPECIAL PROVISIONS

Δ FUND CODE 0042

^ SPECIALTY ITEMS

### GENERAL NOTES

THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE TYPICAL X-SECTION IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE.

THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA & CIR LIFTS.

FOR ALL PAVEMENT MARKINGS ON FINAL SURFACES (I.E., MAINLINE PAVEMENT), ONLY TEMPORARY PAVEMENT MARKING TAPE SHALL BE USED.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

|  |       |                         |
|--|-------|-------------------------|
| THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES: |       |                         |
| GRANULAR MATERIALS   | 2.05  | TONS/CU YD              |
| BITUMINOUS MATERIALS PRIME COAT  | 0.05  | GAL/SQ YD               |
| AGGREGATE PRIME COAT   | 0.002 | TONS/SQ YD              |
| LEVELING BINDER (MACHINE METHOD)   | 112   | LBS/SQ YD/INCH          |
| HOT MIX ASPHALT SURFACE COURSE   | 112   | LBS/SQ YD/INCH          |
| SHORT TERM PAVEMENT MARKING  | 4     | FT/40 FT OF APPLICATION |
| PAINT PAVEMENT MARKING - LINE 4'   | 10    | FT/40 FT OF APPLICATION |
| ENGINEERED ASPHALT EMULSION  | 1.70  | GAL/SQ YD               |

### STRUCTURAL OVERLAY

FLEXIBLE PAVEMENT IN PLACE RECYCLING FOR CLASS III ROADS USING CHAPTER 46-6

DESIGN PERIOD D. P. = 20 YEARS

DESIGN YEAR = 2022 PV=88% SU=7% MU=5%

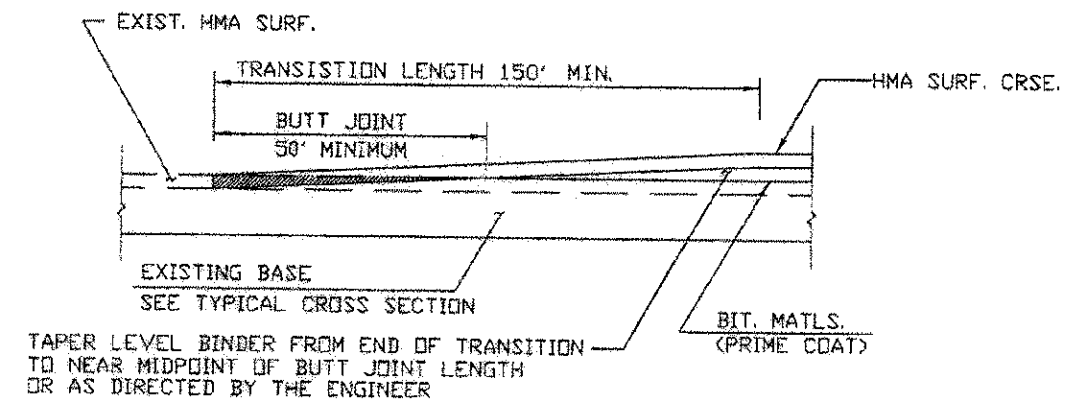
DESIGN ADT = 600 IBV = 2.00 TRAFFIC FACTOR = 0.16

SN<sub>F</sub> = 3.50 SN<sub>R</sub> = 2.38 D<sub>o</sub> = 2.80

### MIXTURE TABLE

|                     | HMA LEVEL BINDER | HMA SURFACE       |
|---------------------|------------------|-------------------|
| PG GRADE            | PG64-22          | PG64-22           |
| DESIGN AIR Voids    | 4.0% @ N50       | 4.0% @ N50        |
| MIXTURE COMPOSITION | IL 9.5           | IL 12.5 DR IL 9.5 |
| FRICTION AGGREGATE  |                  | MIXTURE C         |
| DENSITY TEST METHOD | GROWTH CURVE     | GROWTH CURVE      |

### HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT



### SECTION NOTES

THE PROPOSED IMPROVEMENT CONSISTS OF COLD IN PLACE RECYCLING, LEVELING BINDER, HOT MIX ASPHALT SURFACE COURSE INCLUDING SHOULDER STONE AND ALL WORK NECESSARY TO COMPLETE THE PROJECT ACCORDING TO THE PLANS AND SPECIFICATIONS.

COUNTY HIGHWAY 37 WAS CONSTRUCTED UNDER SECTIONS:  
SECTION 219: 219G, 219Q, 219-Q1 AND 92-00219-00-SM  
SECTION 222: 222G, 222-Q AND 88-00222-01-RS