



TYPICAL SECTION
STA. 131+54.12 TO STA. 139+23.73

LEGEND

- ① EXISTING CONCRETE MEDIAN OR EARTH MEDIAN; SEE PLAN SHEETS FOR LOCATIONS
- ② EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ③ EXISTING STANDARD REINFORCED P.C.C PAVEMENT, 10"
- ④ EXISTING STABILIZED SUB-BASE 4"
- ⑤ EXISTING PIPE UNDERDRAIN 4"
- ⑥ EXISTING HOT-MIX ASPHALT SHOULDERS, VARIES 10-13"
- ⑦ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑧ EXISTING CONCRETE BARRIER
- ⑨ EXISTING HOT-MIX ASPHALT RESURFACING, 2 1/2"
- ⑩ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING, 11"
- ⑪ EXISTING HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"
- ⑫ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑬ EXISTING CONCRETE CURB (STA. 144+84.06 TO STA. 146+68.52)
- ⑭ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 3/4"
- ⑮ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1"
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑰ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/2"
- ⑱ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/4"
- ⑳ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ㉑ PROPOSED AGGREGATE (PRIME COAT)
- ㉒ EXISTING GUARDRAIL

PROPOSED HMA SURFACE REMOVAL - 2"

MIXTURE CHART

| | |
|------------------------|-------|
| ADT (CONSTRUCTION YR): | 16300 |
| MUX%: | 2.1 |
| SU%: | 2.4 |
| 20 YR. ESAL'S: | 2.39 |

| MIXTURE USE | SURFACE | LEVEL BINDER | SHOULDERS |
|---------------------|----------------|----------------|----------------|
| AC/PG | PG 64-22 | PG 64-22 | PG 64-22 |
| RAP % (MAX) | SEE SPEC. | SEE SPEC. | SEE SPEC. |
| DESIGN AIR VOIDS | 4.0% @ Ndes=70 | 4.0% @ Ndes=70 | 2.0% @ Ndes=30 |
| MIX COMPOSITION | | | |
| (GRADATION MIXTURE) | IL 12.5 / 9.5 | IL 9.5 | |
| FRICION AGG | MIXTURE "D" | MIXTURE "C" | BAM |

•• TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).

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|-------------|----------------------|----------------|---------------|---|---------------------------|---------------------------|--------------------------|---|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = #USER# | DESIGNED - --- | REVISED - --- | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL SECTIONS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| #FILEL# | | DRAWN - --- | REVISED - --- | | 805 | 146RS-3 | ST. CLAIR | 21 | 7 | | | |
| | PLOT SCALE = #SCALE# | CHECKED - --- | REVISED - --- | | SCALE: ----- | SHEET NO. -- OF -- SHEETS | STA. ----- TO STA. ----- | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |
| | PLOT DATE = #DATE# | DATE - ----- | REVISED - --- | | CONTRACT NO. 76057 | | | | | | | |