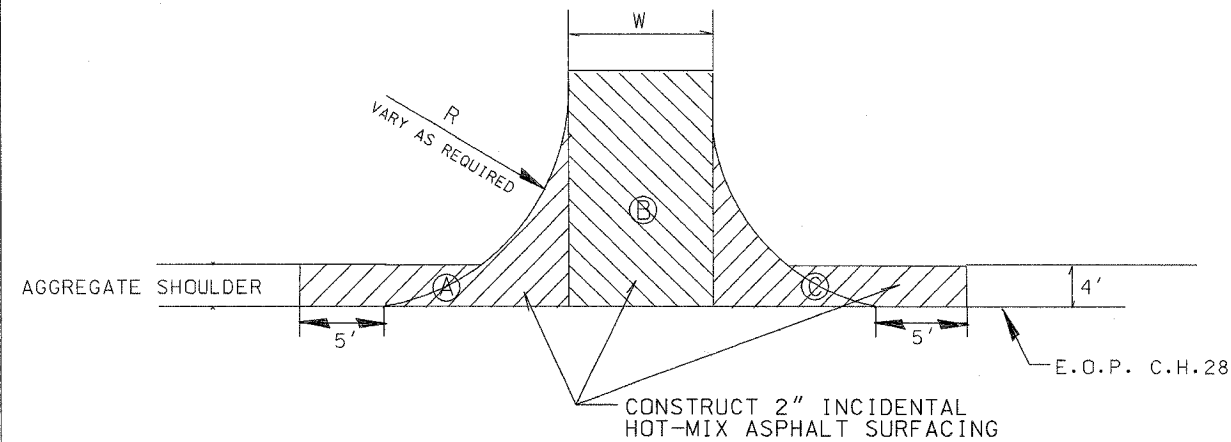


# INTERSECTION DETAIL



| INTERSECTION QUANTITY SCHEDULE |      |     |       |        |                                |                                 |                              |           |
|--------------------------------|------|-----|-------|--------|--------------------------------|---------------------------------|------------------------------|-----------|
| STATION                        | AREA |     | WIDTH | RADIUS | INCIDENTAL HMA SURFACING (TON) | BIT. MATRLS. (PRIME COAT) (GAL) | AGGREGATE (PRIME COAT) (TON) | LOCATION  |
| 0+13                           | A    | C   | 22    | 30     | 16                             | 10                              | 1                            | IL RT 115 |
| 53+40LT                        | A    | B C | 18    | 30     | 22                             | 5                               | 0.5                          | 5000S     |
| 53+71RT                        | A    | B C | 16    | 30     | 15                             | 5                               | 0.5                          | 5000S     |
| 107+24LT                       | A    | B C | 16    | 30     | 15                             | 5                               | 0.5                          | 6000S     |
| 107+24RT                       | A    | B C | 16    | 30     | 15                             | 5                               | 0.5                          | 6000S     |
| 160+91LT                       | A    | B C | 16    | 30     | 15                             | 5                               | 0.5                          | 7000S     |
| 160+91RT                       | A    | B C | 16    | 30     | 15                             | 5                               | 0.5                          | 7000S     |
| TOTALS                         |      |     |       |        | 113                            | 40                              | 4                            |           |

## Pavement Design Data

Design Period = 20 Years

ADT = 725 (2007) 815 (2017)

P.V. = 95 = 774 S.U. = 4 % = 33 M.U. = 1 % = 8

T.F. = 0.07

S.N. = 2.65

Pavement Structure Number

Ex. 8" AGGREGATE BASE (crushed) 8 x 0.08 = 0.72

Ex. 4 CLASS I 4 x 0.17 = 0.68

Ex. 1 1/2" CLASS I 1.50 x 0.23 = 0.35

Ex. 1 1/2" CLASS I 1.50 x 0.30 = 0.45

Prop. 2" HMA Surface Cse. 2 x 0.40 = 0.80

3.00

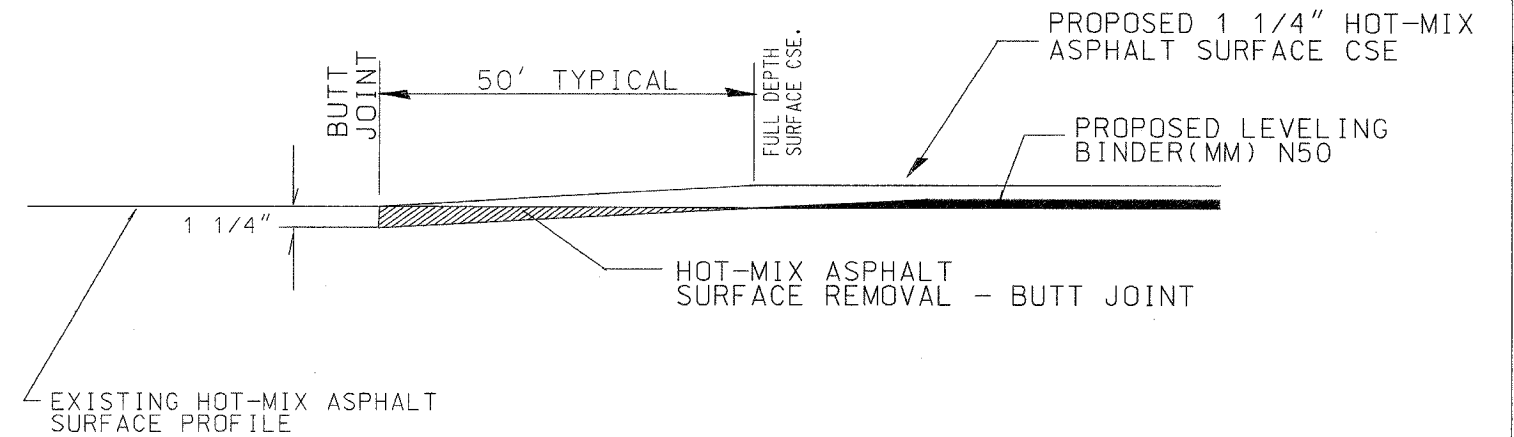
Marshall Stability ≥ 1700

|                       | LEVEL BINDER                 | HMA SURFACE           |
|-----------------------|------------------------------|-----------------------|
| PG GRADE              | PG58-22                      | PG58-22               |
| MAX % RAP ALLOWABLE** | SEE SPECIAL PROVISION        | SEE SPECIAL PROVISION |
| DESIGN AIR Voids      | 4.0%                         | 4.0%                  |
| MIXTURE COMPOSITION   | IL 9.5                       | IL 9.5                |
| FRICTION AGGREGATE    | MIXTURE C                    | MIXTURE C             |
| PLANT CONTROL LIMITS  | CLASS I                      | CLASS I               |
| DENSITY TEST METHOD   | SATISFACTION OF THE ENGINEER | CORRELATION           |

\*\* IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

| SECTION            | COUNTY   | TOTAL SHEETS | SHEET NO. |
|--------------------|----------|--------------|-----------|
| 04-00107-04-RS     | KANKAKEE | 3            | 3         |
| CONTRACT NO. 87346 |          |              |           |

# PAVEMENT REMOVAL DETAILS



| HOT-MIX ASPHALT SURFACE REMOVAL AND TEMPORARY RAMP SCHEDULE |                                  |                          |
|---|----------------------------------|--------------------------|
| STATION   | HMA SURFACE REMOVAL - BUTT JOINT | TEMPORARY RAMP (3' Wide) |
| 0+13  | 153                              | 7                        |
| 26+19   | 73                               | 7                        |
| 26+59   | 73                               | 7                        |
| 214+07  | 73                               | 7                        |
| TOTALS  | 372 SQ YD                        | 28 SQ YD                 |

## GENERAL NOTES:

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL UTILITY LOCATIONS .
- PERMANENT PAVEMENT MARKINGS TO BE INSTALLED BY THE KANKAKEE COUNTY HIGHWAY DEPT.
- FLAGMEN SHALL BE REQUIRED DURING PRIMING OPERATIONS.
- "BUMP SIGNS" SHALL BE REQUIRED AT ALL TANGENT HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT LOCATIONS. THE COST SHALL BE CONSIDERED AS INCLUDED IN THE TRAFFIC CONTROL PAY ITEM.