## GENERAL NOTES

WHEN DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTER OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE BITUMINOUS PAVING.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT  $\,$  ALL TIMES DURING THE CONSTRUCTION OF THIS IMPROVEMENT.

TRAFFIC CONTROL SIGNS REMOVED MUST BE RESET AT THEIR PERMANENT LOCATIONS IN A WORKMANLIKE MANNER AND VISIBLE TO TRAFFIC ON THE ROADWAY. THESE SIGNS SHALL BE INSTALLED IN CORDANCE WITH THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS', LATEST EDITION. THE COST OF SUCH WORK SHALL BE INCLUDED IN THE COST OF THE EARTHWORK.

WHENEVER IT IS NECESSARY TO REMOVE EXISTING GRAVEL, CRUSHED STONE BASE OR EARTH, IN ORDER TO CONSTRUCT THE BITUMINOUS SHOULDERS, IT SHALL BE INCLUDED IN THE COST OF THE BITUMINOUS SHOULDERS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.

THE NOMINAL THICKNESS FOR THE SURFACE COURSE IS SHOWN ON THE TYPICAL SECTION OR SPECIAL DETAILS. THE CONSTRUCTED THICKNESS OF THE ABOVE ITEMS SHALL NOT BE LESS THAN 90 PER CENT OF THE NOMINAL THICKNESS AT ANY LOCATION.

WHERE SECTION OR SUBSECTION STONES OR MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH STONES ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

ALL PROPOSED PAVEMENT WIDTHS ARE MEASURED EDGE TO EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN ON THE PLANS. INTERSECTION RETURN RADII ARE MEASURED TO THE EDGE OF PAVEMENT.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN ON THE TABULATION OF REQUIRED STATE STANDARDS

EXISTING CHEVRONS AND POSTS LOCATED THROUGHOUT THE PROJECT LIMITS SHALL BE REMOVED. SIGNS AND POSTS SHALL BECOME THE PROPERTY OF MASON COUNTY. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.

KNOWN UTILITIES LOCATED WITHIN THE LIMITS OF THIS IMPROVEMENT ARE: AMFRENIP MENARD ELECTRIC COOPERATIVE AMERENIP
GALLATIN RIVER COMMUNICATIONS
CASS COUNTY TELEPHONE COMPANY

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

| AGGREGATE (SURFACE, BASE, SUBBASE, OR BACKFILL) 2. | .05 TON/CUBIC YARD        |
|--|---------------------------|
| BITUMINOUS MATERIALS (PRIME COAT)                  |                           |
| BITUMINOUS MATERIALS (PRIME COAT)                  |                           |
| AGGREGATE (PRIME COAT)                             |                           |
| BITUMINOUS SURFACE/BINDER (112 LBS)                | .056 TON/SQUARE YARD*INCH |

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

| MIXTURE USE(S)                          | BIT CONC<br>SURF CSE        | MACH METH<br>LEVLE BIND | BITUMINOUS<br>SHOULDERS |
|---|-----------------------------|-------------------------|-------------------------|
| AC/PG                                   | PG 64-22                    | PG 64-22                | PG 58-22                |
| DESIGN AIR VOIDS                        | 4%eN50                      | 4%@N50                  | 2% <b>e</b> N30         |
| RAP % (MAX)                             | 15%                         | 20%                     | 15%                     |
| MIX COMPOSITION:<br>(GRADATION MIXTURE) | SUPERPAVE<br>IL-9.5 OR 12.5 | SUPERPAVE<br>IL-9.5     | ВАМ                     |
| FRICTION AGGREGATE                      | MIX "D"                     | N/A                     | N/A                     |

FURNISHING AND ERECTING ROW MARKERS

|             | O AND ENEC |       | MAUVEUS |
|-------------|------------|-------|---------|
| STATION     | OFFSET     | SIDE  | EACH    |
| STATION     | FEET       | LT/RT | EACH    |
| FAP ROUTE 3 | 10 (US 67) |       |         |
| 232+50      | 34.0       | LT    | 1       |
| 234+00      | 50.0       | RT    | 1       |
| 236+00      | 45.0       | LT    | 1       |
| 236+00      | 50.0       | RT    | 1       |
| 237+50      | 40.0       | RT    | 1       |
| 238+00      | 33.4       | LT    | 1       |
| 238+00      | 36.6       | RT    | 1       |
| 241+00      | 33.6       | LT    | 1       |
| 241+00 36.4 |            | RT    | 1       |
| 242+00 40.0 |            | LT    | 1       |
| 242+00 45.0 |            | RT    | 1       |
| 243+00      | 45.0       | RT    | 1       |
| 243+50      | 40.0       | LT    | 1       |
| 244+00      | 34.4       | LT    | 1       |
| 244+00      | 35.6       | RT    | 1       |
| 245+91.3    | 35.0       | LT    | 1       |
| 245+91.3    | 40.0       | RT    | 1       |
| 246+50 45.0 |            | RT    | 1       |
| 247+00      | 40.0       | LT    | 1       |
| 247+62.9    | 40.0       | LT    | 1       |
| 247+62.9    | 45.0       | RT    | 1       |
|             | TOTAL      |       | 21      |

| 4 |  | N/ A   |        | JOIN .   |  |  |
|---|--|--|--------|----------|--|--|
|   |  | SUMMARY OF QUANTITIES - CONSTRUCTION TYPE COD                  | E 1000 |          |  |  |
|   | CODE NO.                                     | PAY ITEM   | UNIT   | QUANTITY |  |  |
|   | 20200100                                     | EARTH EXCAVATION   | CU YD  | 470      |  |  |
| * | 20400800                                     | FURNISHED EXCAVATION   | CU YD  | 2852     |  |  |
| * | 25001000                                     | SEEDING, CLASS 2 (SPECIAL)                                     | ACRE   | 1.5      |  |  |
|   | 28000250                                     | TEMPORARY EROSION CONTROL SEEDING                              | POUND  | 300      |  |  |
|   | 28000300                                     | TEMPORARY DITCH CHECKS   | EACH   | 10       |  |  |
|   | 28000400                                     | PERIMETER EROSION BARRIER                                      | FOOT   | 1,957    |  |  |
|   | 28000500                                     | INLET AND PIPE PROTECTION                                      | EACH   | 2        |  |  |
|   | 40200100                                     | AGGREGATE SURFACE COURSE, TYPE A                               | TON    | 20       |  |  |
|   | 40600100                                     | BITUMINOUS MATERIALS (PRIME COAT)                              | GALLON | 482      |  |  |
|   | 40600300                                     | AGGREGATE (PRIME COAT)   | TON    | 15       |  |  |
| * | 40600980                                     | BITUMINOUS SURFACE REMOVAL - BUTTJOINT                         | SQ YD  | 147      |  |  |
|   | 40600990                                     | TEMPORARY RAMP   | SQ YD  | 25       |  |  |
|   | 48202400                                     | BITUMINOUS SHOULDERS SUPERPAVE 6"                              | SQ YD  | 2,619    |  |  |
| * | 542D0220                                     | PIPE CULVERTS, CLASS D, TYPE 1 15"                             | .FOOT  | 30       |  |  |
|   | 54200433                                     | PIPE CULVERTS, TYPE 1 RCCP 18"                                 | FOOT   | 12       |  |  |
| * | 64200105                                     | SHOULDER RUMBLE STRIPS   | FOOT   | 3,948    |  |  |
|   | 66600105                                     | FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS                   | EACH   | 21       |  |  |
|   | 67100100                                     | MOBILIZATION   | L SUM  | 1        |  |  |
| * | 70103700                                     | TRAFFIC CONTROL COMPLETE                                       | L SUM  | 1        |  |  |
| * | 70300100                                     | SHORT-TERM PAVEMENT MARKING                                    | FOOT   | 395      |  |  |
| * | 70300230                                     | TEMPORARY PAVEMENT MARKING - LINE 5"                           | FOOT   | 7,896    |  |  |
| Δ | 78001120                                     | PAINT PAVEMENT MARKING - LINE 5"                               | FOOT   | 7,896    |  |  |
| Δ | 78100100                                     | RAISED REFLECTIVE PAVEMENT MARKER                              | EACH   | 50       |  |  |
| * | X4066424                                     | BITUMINOUS CONCRETE SURFACE COURSE,<br>SUPERPAVE, MIX "D", N50 | TON    | 406      |  |  |
| * | X4066765                                     | LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50                | TON    | 385      |  |  |
|   | SEE SPECIAL PROVISIONS     A SPECIALTY ITEMS |  |        |          |  |  |
|   |  |  |        |          |  |  |

EXISTING PAVEMENT COUN TOT/ USE

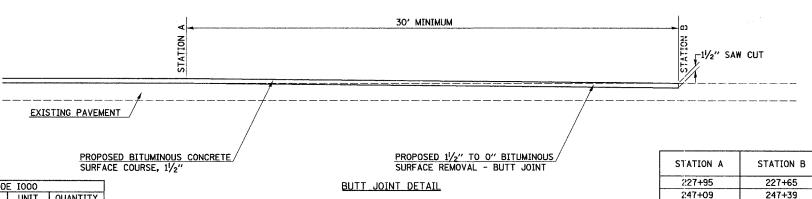
| -              |  |   | 35′ & VARI | ABLE   | ¢  | CONSTRUCTION & P.G.L.   | 35′ & VA      | RIABLE |   | CONTRACT         | NO. | 93400 |
|----------------|--|---|------------|--|--|---|---------------|--------|---|------------------|-----|-------|
|                | <b>_</b>   |   | 35′ &      | VARIABLE   |  |   | 35' & VARIABL | E      |   |                  |     |       |
|                |  | - | 6′         | 11'  |  | 11'   |               | 6′     |   |                  |     |       |
| REGONATE SHOWN | D BITUMINOL RS SUPERPAI MBLE STRIPS  EXISTING AGGREGAT |   |            | 5" WHITE EDGE LINE TYP.  CISTING PAVEMENT AGGREGATE BASE BITUMINOUS CLASS B BITUMINOUS CLASS I | PROPOSED BITUM<br>SURFACE COURSE<br>MIX "C", N50, 1<br>PROPOSED<br>(MACHINE) | S" YELLOW NO PASSING  MINOUS CONCRETE SUPERPAVE, Ye''  LEVELING BINDER METHOD) SUPERPAVE NSO, THICKNESS |               | EXIST  | PROPOSED BITUM<br>SHOULDERS SUPER<br>WITH RUMBLE STR<br>ING EARTH/<br>GATE SHOULDER | NOUS<br>PAVE, 6" |     |       |

① HIGH SIDE - 4% & VARIABLE 8% MAXIMUM BREAKOVER

② LOW SIDE - 4% OR SE, WHICHEVER IS GREATER

STA 229+69 TO STA 245+35

SE TRANSITION STA 227+95 TO STA 229+69 AND STA 245+35 TO STA 247+00



|                    |                |                     | EARTHWORK                        |            |                                       |
|--------------------|----------------|---------------------|----------------------------------|------------|---------------------------------------|
| STATION TO STATION |                | EARTH<br>EXCAVATION | EARTH EXC. (LESS 25 % SHRINKAGE) | EMBANKMENT | BALANCE<br>WASTE(+) OR<br>SHORTAGE(-) |
|                    |                |                     | CU. YD.                          |            |                                       |
| ITY HIGHWA         | Y 20 (FAS 567) |                     |                                  |            |                                       |
| 227+65             | 247+39         | 469.9               | 352.4                            | 3203.9     | - 2851.5                              |
| \L                 |                | 469.9               | 352.4                            | 3203.9     | - 2851.5                              |
|                    |                | 470                 | 352                              | 3204       | - 2852                                |
|                    |                |                     |                                  |            | (FURN. EXC.)                          |

| <u>ISIONS</u> | COLINITY LITOLINGAN CO   |
|---------------|--------------------------|
| DATE          | COUNTY HIGHWAY 20        |
|               | GENERAL NOTES,           |
|               | SUMMARY OF QUANTITIES,   |
|               | PROPOSED TYPICAL SECTION |
|               | & BUTT JOINT DETAIL      |
|               | VERT NONE                |

SCALE: VERT. NONE HORIZ, NONE

DRAWN BY JCG CHECKED BY MM

COUNTY

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

18 2

SECTION 567 04-00022-04-SP MASON