

INDEX OF SHEETS

04-24-2020 LETTING ITEM 184

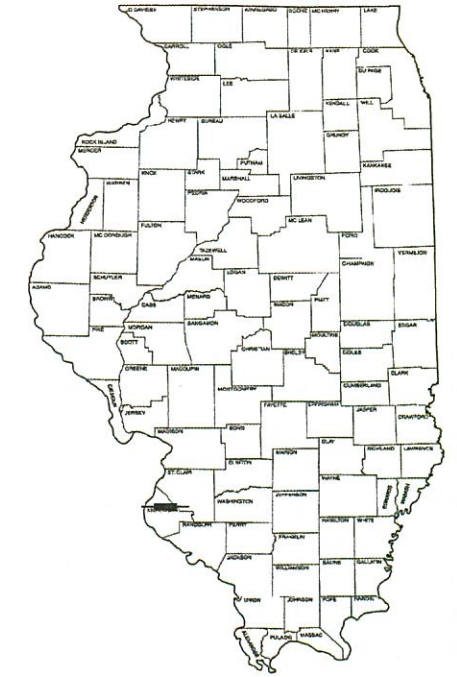
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

CMAQ AND STR FUNDING
FAS 854 - HANOVER ROAD - C.H. 8
HANOVER ROAD TURN LANE AND PHASE I RESURFACING
SECTION 18-00052-04-PV
PROJECT NO. 0X73(686)

COUNTY OF MONROE
JOB NO. C-98-010-20

| | | | | |
|-----------------------------|---------------------------|------------------|--------------------|----------------|
| F.A.S. RTE. 854 C.H.8 | SECTION 18-00052-04-PV | COUNTY MONROE | TOTAL SHEETS 25 | SHEET NO. 1 |
| ILLINOIS | | | CONTRACT NO. 97727 | |



LOCATION OF SECTION INDICATED THIS:

STRUCTURE NUMBERS
067-3200

SCALES
PLAN 1" = 100'

DESIGN CLASSIFICATION
ROAD CLASSIFICATION = MAJOR COLLECTOR
2020 ADT = 2800 VPD
DESIGN SPEED: 50 MPH-3R DESIGN STANDARDS
POSTED SPEED: 55 MPH/45 MPH

UTILITIES
CALL J.U.L.I.E. BEFORE YOU DIG
800-892-0123

ELECTRIC:
AMEREN ILLINOIS
BELLEVILLE, IL 62221
(618) 236-4372

MONROE COUNTY ELECTRIC CO-OP
WATERLOO, IL 62298
(618) 939-7171

TELEPHONE:
HARRISONVILLE TELEPHONE COMPANY
WATERLOO, IL 62298
(618) 939-6112

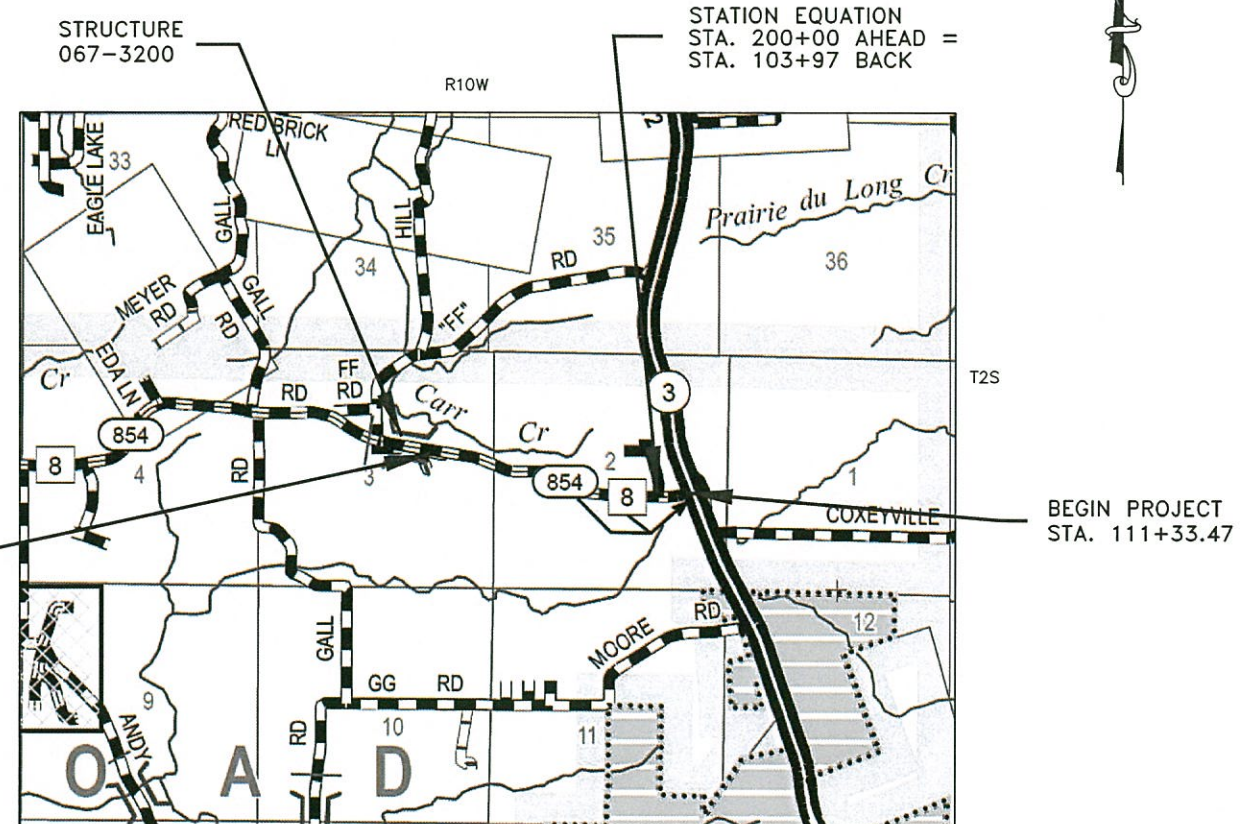
FIBER OPTIC:
HARRISONVILLE TELEPHONE COMPANY
WATERLOO, IL 62298
(618) 939-6112

WATER:
FOUNTAIN WATER DISTRICT
VALMEYER, IL 62295
(618) 935-2121

ILLINOIS AMERICAN WATER
EAST ST. LOUIS, IL 62201
(618) 874-0523

CABLE TV:
CHARTER COMMUNICATIONS
MARYVILLE, IL 62062
(618) 345-8003

GAS:
AMEREN ILLINOIS
BELLEVILLE, IL 62221
(618) 236-4372



END PROJECT
STA. 257+22.17

STATION EQUATION
STA. 200+00 AHEAD =
STA. 103+97 BACK

BEGIN PROJECT
STA. 111+33.47

LOCATION MAP

GROSS LENGTH = 6458.64 FEET = 1.223 MILES
NET LENGTH = 6458.64 FEET = 1.223 MILES

DRAWN BY CASEY L CARNAHAN DATE 01/16/2020

CHECKED BY BARRY A. FELDMER DATE 01/21/2020

These plans were prepared by me or a full time member of my staff under my personal supervision.

[Signature]
County Engineer
Date 1-29-2020
Registered Professional Engineer No. 055382
Expiration Date: 11/30/21

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED *January 29, 2020*
[Signature]
Monroe County Engineer
Monroe County Highway Department

Passed *February 14, 2020*
[Signature]
District 8 Engineer
Local Roads and Streets

Released for Bid Based on Limited Review *February 14, 2020*
[Signature]
Region 5 Engineer

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OF THE STATE OF ILLINOIS

DRAWING FILE: S:\HANOVER ROAD RESURFACING 2019\Phase 1 Plan\Sheets\COVER PHASE 1

GENERAL NOTES

1. TRAFFIC CONTROL AND PROTECTION AND PROPER BARRICADES SHALL BE MAINTAINED BY THE CONTRACTOR.
2. THE CONTRACTOR WILL BE REQUIRED TO HAVE TWO FLAGMEN ON-SITE DURING ALL MAINLINE PAVING OPERATIONS.
3. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE MONROE COUNTY HIGHWAY DEPARTMENT AT LEAST 48 HOURS IN ADVANCE PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES OR WORK REQUIRING INSPECTION OR APPROVAL
4. USE ALL FLUORESCENT ORANGE 48" CONSTRUCTION SIGNS.
5. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED ON THIS PROJECT.
6. FACTORS USED FOR QUANTITY CALCULATIONS ARE AS FOLLOWS:
 ALL HOT-MIX ASPHALT - 112.0 LBS/SQ YD PER 1" THICKNESS
 ALL BITUMINOUS MATERIAL (TACK COAT) - 0.05 LB/SQ FT
 SUBBASE GRANULAR MATERIAL - 2.05 TON/CU YD
7. THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS, DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
8. ALL TEMPORARY PAVEMENT MARKINGS WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
9. THERMOPLASTIC PAVEMENT MARKINGS SHALL MATCH EXISTING EXCEPT WHERE INDICATED ON THE PLANS FOR THE INTERSECTION WIDENING.
10. ACCESS SHALL BE PROVIDED TO/FROM PRIVATE ENTRANCES AND SIDEROADS AT ALL LOCATIONS DURING ALL STAGES.
11. ALL EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED BY TYPE 1 OR 2 BARRICADES
12. ANY AREA DISTURBED OUTSIDE THE CONSTRUCTION LIMITS DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTORS EXPENSE.
13. NO WORK WILL BE PERFORMED ON MAILBOX TURNOUTS BEYOND THE NEW 3 FOOT HMA SHOULDER.
14. EXISTING SIGNS SHALL BE REMOVED, STORED AND RE-ERECTED AS SHOWN IN THE PLANS. SIGNS NOT RE-ERECTED WILL REVERT BACK TO THE RESPONSIBLE PARTY. ANY DAMAGE TO SIGNS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
15. EXISTING DITCHES/SWALES MAY NEED TO BE REGRADED OR RESHAPED TO ENSURE ALL FLOWS ENTER THE PROPER DITCH, CULVERT OR OTHER DRAINAGE APPURTENANCES DURING AND AT THE COMPLETION OF THE PROJECT. COST FOR THIS WORK IS CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.
16. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE DURING VARIOUS STAGES OF CONSTRUCTION THIS INCLUDES ALL LABOR, EQUIPMENT AND MATERIALS USED BEYOND WHAT IS SPECIFIED IN THE PLANS. NECESSARY ITEMS SUCH AS TEMPORARY DITCHES OR PIPES WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.
17. ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE IMPLEMENTED AS SHOWN IN THE PLANS AND APPLICABLE HIGHWAY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL EROSION AND SEDIMENT DOES NOT MIGRATE OFF SITE OF IF EROSION CONTROL DEVICES BECOME DAMAGED, THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEASURES TO REPAIR OR REPLACE THE DEVICES.
18. EROSION AND SEDIMENT CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.
19. HOT-MIX ASPHALT SHOULDERS SHALL BE 8" THICK ACROSS ENTRANCES, EXCEPT WHERE INDICATED ON THE PLANS AND DETAILS AND AS DIRECTED BY THE ENGINEER.
20. CONTRACTOR SHALL SAW CUT THE ENTIRE LENGTH OF THE WIDENING, COST SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
21. AN ESTIMATED QUANTITY OF 100 TONS OF AGGREGATE SURFACE COURSE, TYPE B IS ANTICIPATED FOR USE AS DIRECTED BY THE ENGINEER ON AGGREGATE ENTRANCES BEYOND THE NEW HMA SHOULDER.
22. HOT-MIX ASPHALT BINDER COURSE SHALL BE LAID AT A NOMINAL 3/4" THICKNESS. COMPACTION OF SAID BINDER SHALL BE TO THE SATISFACTION OF THE ENGINEER.

SALVAGE: ASPHALT MILLINGS - SEE SPECIAL PROVISIONS

COMMITMENTS: NONE

HIGHWAY STANDARDS

| | |
|------------------|---|
| STANDARD SYMBOLS | 000001-07 |
| EROSION CONTROL | 280001-07 |
| HMA SHOULDER | 482001-02 |
| DRAINAGE | 602402-02 602601-06 604036-03 |
| TRAFFIC CONTROL | 701001-02 701006-05 701011-04 701101-05 701201-05 701301-04 701306-04 701311-03 701326-04 701421-08 701901-08 |
| SIGNING | 720001-01 720006-04 728001-01 |
| PAVEMENT MARKING | 780001-05 781001-04 |

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

| LOCATIONS | ALL | | | | |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| MIXTURE USE | SURFACE | BINDER | SHOULDER BASE | SHOULDER SURFACE | INCIDENTAL |
| AC/PG | PG 64-22 | PG 64-22 | PG 64-22 | PG 64-22 | PG 64-22 |
| RAP % (MAX) | SEE SPECIAL PROVISIONS | SEE SPECIAL PROVISIONS | SEE SPECIAL PROVISIONS | SEE SPECIAL PROVISIONS | SEE SPECIAL PROVISIONS |
| DESIGN AIR VOIDS | 4.0% @ Ndes= 70 | 4.0% @ Ndes= 70 | 4.0% @ Ndes= 30 | 4.0% @ Ndes=30 | 4.0% @ Ndes=70 |
| MIXTURE COMPOSITION (GRADATION MIXTURE) | IL 9.5 | IL 9.5 FG | IL 19.0 L | IL 9.5 L | IL 9.5 |
| FRICTION AGGREGATE | MIXTURE D | MIXTURE C | MIXTURE C | MIXTURE C | MIXTURE D |

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| | | | | | | | | | | | |
|-----------------------------|------------|-----------|-------------------------------------|-------------------------------------|---------|------|----------------|----------------|---------|--------------------|--------------|
| USER NAME - | DESIGNED - | REVISED - | MONROE COUNTY HIGHWAY DEPARTMENT | GENERAL NOTES AND HIGHWAY STANDARDS | | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| DESIGNED - | DRAWN - | REVISED - | | | | | 854 | 18-00052-04-PV | MONROE | 25 | 2 |
| PLOT SCALE = 100.000' / in. | CHECKED - | REVISED - | | SCALE: NA | SHEET 1 | OF 1 | SHEETS | STA. | TO STA. | CONTRACT NO. 97727 | |
| PLOT DATE - | DATE - | REVISED - | | ILLINOIS FED. AID PROJECT | | | | | | | |

| SUMMARY OF QUANTITIES | | | |
|-----------------------|--|--------------|----------|
| CODE | ITEM | UNIT | QUANTITY |
| 20200100 | EARTH EXCAVATION | CU YD | 775 |
| 20200600 | EXCAVATING AND GRADING EXISTING SHOULDER | UNIT | 117 |
| 25100115 | MULCH, METHOD 2 | ACRE | 0.25 |
| 28000305 | TEMPORARY DITCH CHECKS | FOOT | 18 |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 205 |
| 28000500 | INLET AND PIPE PROTECTION | EACH | 2 |
| 31101000 | SUBBASE GRANULAR MATERIAL, TYPE B | TON | 633 |
| 35600708 | HOT-MIX ASPHALT BASE COURSE WIDENING, 8" | SQ YD | 537 |
| 40200800 | AGGREGATE SURFACE COURSE, TYPE B | TON | 100 |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | Pound | 7469 |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 637 |
| 40600990 | TEMPORARY RAMP | SQ YD | 40 |
| 40602970 | HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70 | TON | 616 |
| 40604062 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 | TON | 1243 |
| 40800029 | BITUMINOUS MATERIALS (TACK COAT) | Pound | 141 |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING | TON | 56 |
| 44000153 | HOT-MIX ASPHALT SURFACE REMOVAL, 1" | SQ YD | 15807 |
| 48203100 | HOT-MIX ASPHALT SHOULDERS | TON | 1486 |
| 50105220 | PIPE CULVERT REMOVAL | FT | 59 |
| 542A0241 | PIPE CULVERTS, CLASS A, TYPE 1 36" | FT | 4 |
| 60221700 | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE | EACH | 1 |
| 67100100 | MOBILIZATION | L SUM | 1 |

| SUMMARY OF QUANTITIES | | | |
|-----------------------|--|-------|----------|
| CODE | ITEM | UNIT | QUANTITY |
| 70300100 | SHORT TERM PAVEMENT MARKING | FT | 2038 |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 232 |
| 70300210 | TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS | SQ FT | 72.8 |
| 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4" | FT | 25131 |
| 70300250 | TEMPORARY PAVEMENT MARKING - LINE 8" | FT | 245 |
| 70300260 | TEMPORARY PAVEMENT MARKING - LINE 12" | FT | 250 |
| 70300280 | TEMPORARY PAVEMENT MARKING - LINE 24" | FT | 24 |
| 72000100 | SIGN PANEL - TYPE 1 | SQ FT | 6.25 |
| 72400100 | REMOVE SIGN PANEL ASSEMBLY - TYPE A | EACH | 4 |
| 72400500 | RELOCATE SIGN PANEL ASSEMBLY - TYPE A | EACH | 3 |
| 72800100 | TELESCOPING STEEL SIGN SUPPORTS | FT | 12 |
| Δ 78000100 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 72.8 |
| Δ 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FT | 25131 |
| Δ 78000500 | THERMOPLASTIC PAVEMENT MARKING - LINE 8" | FT | 245 |
| Δ 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FT | 250 |
| Δ 78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FT | 24 |
| Δ 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 108 |
| X0322936 | REMOVE EXISTING FLARED END SECTION | EACH | 1 |
| X0327979 | PAVEMENT MARKING REMOVAL - GRINDING | SQ FT | 308 |
| X2501000 | SEEDING, CLASS 2 (SPECIAL) | ACRE | 0.25 |
| X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL) | L SUM | 1 |
| X7030005 | TEMPORARY PAVEMENT MARKING REMOVAL | SQ FT | 8885 |

Δ SPECIALTY ITEMS

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| | | |
|-----------------------------|------------|-----------|
| USER NAME = | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,000' / in. | CHECKED - | REVISED - |
| PLOT DATE = | DATE - | REVISED - |

MONROE COUNTY
HIGHWAY DEPARTMENT

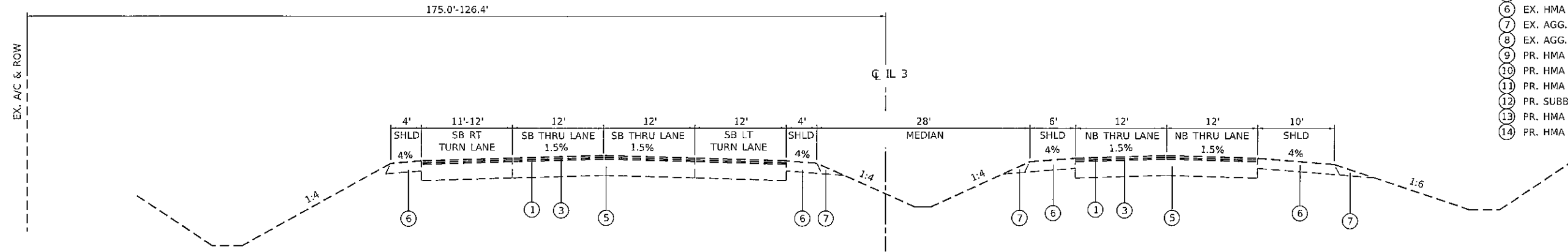
SUMMARY OF QUANTITIES

SCALE: NA SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|--------------------------------|---------------------------|------------------|---------------------------|-------------------|
| F.A.S. RTE. 854 C.H.B | SECTION 18-00052-04-PV | COUNTY MONROE | TOTAL SHEETS 25 | SHEET NO. 3 |
| CONTRACT NO. 97727 | | | ILLINOIS FED. AID PROJECT | |

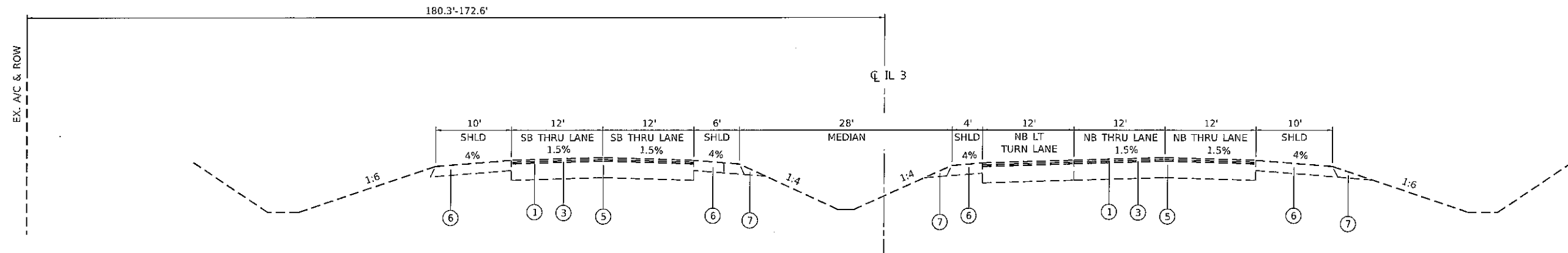
LEGEND

- ① EX. HMA SURFACE COURSE, 1.5"
- ② EX. LEVELING BINDER, 0.75"
- ③ EX. LEVELING BINDER, 1.25"
- ④ EX. HMA BASE COURSE, 7"
- ⑤ EX. HMA PAVEMENT (FULL DEPTH), 13"
- ⑥ EX. HMA SHOULDER, 8"
- ⑦ EX. AGG. SHOULDER, TY B
- ⑧ EX. AGG. SHOULDER, TY B, 6"
- ⑨ PR. HMA SURFACE REMOVAL, 1"
- ⑩ PR. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
- ⑪ PR. HMA BASE COURSE WIDENING, 8"
- ⑫ PR. SUBBASE GRANULAR MATERIAL, TY B, 12"
- ⑬ PR. HMA SHOULDER, 8"
- ⑭ PR. HMA SHOULDER, 6"



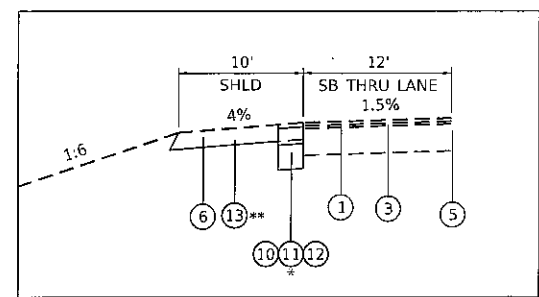
EXISTING TYPICAL SECTION

STA. 2285+98.03 - STA. 2287+40.00



EXISTING TYPICAL SECTION

STA. 2284+84.25 - STA. 2285+98.03



PROPOSED TYPICAL SECTION INSET

STA. 2284+84.25 - STA. 2285+98.03

* TIE IN WIDENING ALONG HANOVER ROAD, SEE PLANS FOR DETAILS
 ** TIE IN NEW SHOULDER ALONG HANOVER ROAD RADIUS (4'-8')

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| | | |
|-----------------------------|------------|-----------|
| USER NAME = mschwlerjohn | DESIGNED - | REVISED - |
| PLOT SCALE = 15.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 1/27/2020 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**MONROE COUNTY
HIGHWAY DEPARTMENT**

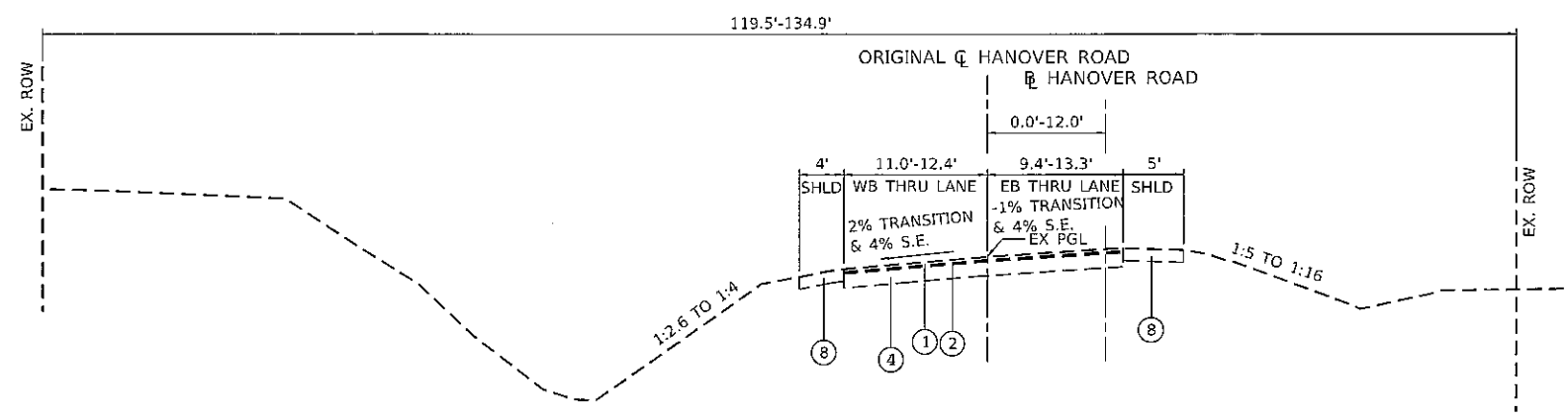
**TYPICAL SECTIONS
IL RTE 3**

SCALE: NTS SHEET OF SHEETS STA. 2284+84.25 TO STA. 2287+40.00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------------|-----------|
| 854 | 18-00052-04-PV | MONROE | 25 | 4 |
| | | | CONTRACT NO. 97727 | |
| ILLINOIS FED. AID PROJECT | | | | |

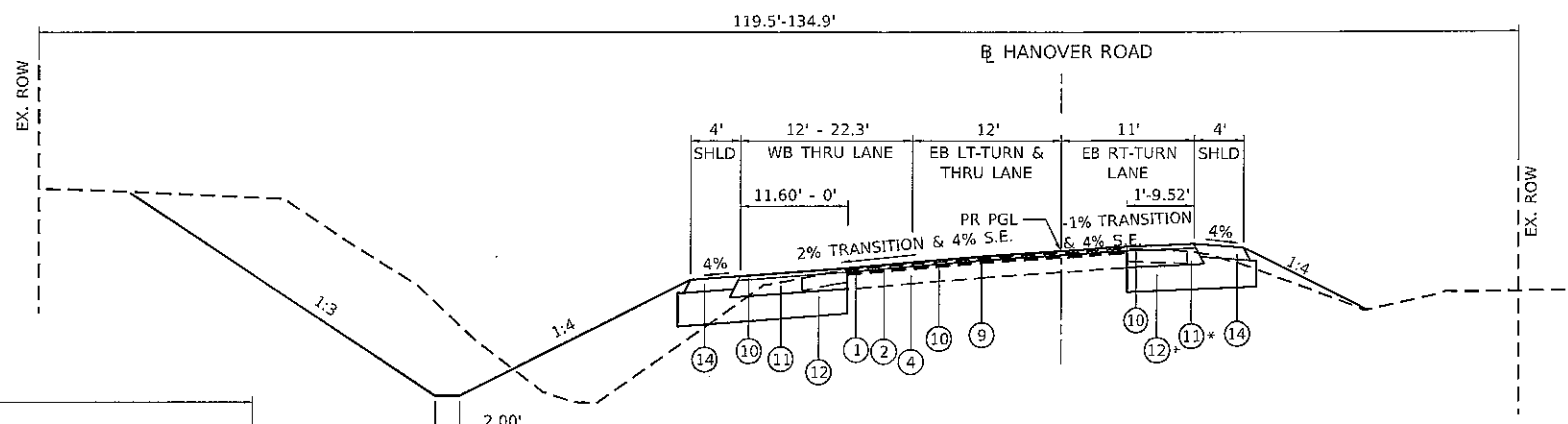
LEGEND

- ① EX. HMA SURFACE COURSE, 1.5"
- ② EX. LEVELING BINDER, 0.75"
- ③ EX. LEVELING BINDER, 1.25"
- ④ EX. HMA BASE COURSE, 7"
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- ⑫ PR. SUBBASE GRANULAR MATERIAL, TY B, 12"
- ⑬ PR. HMA SHOULDER, 8"
- ⑭ PR. HMA SHOULDER, 6"



EXISTING TYPICAL SECTION

STA. 109+00.00 - STA. 111+33.47

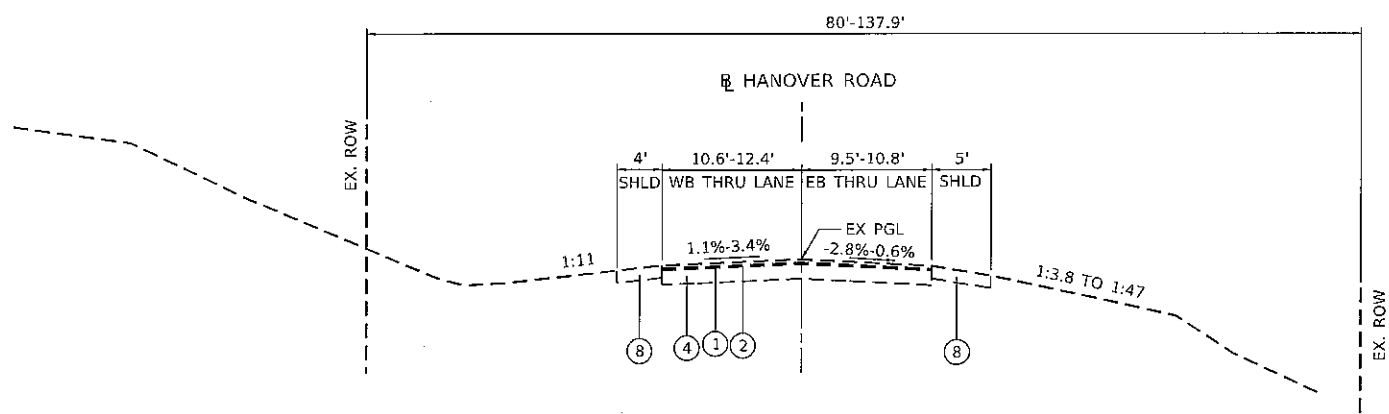


PROPOSED TYPICAL SECTION

STA. 109+00.00 - STA. 111+33.47

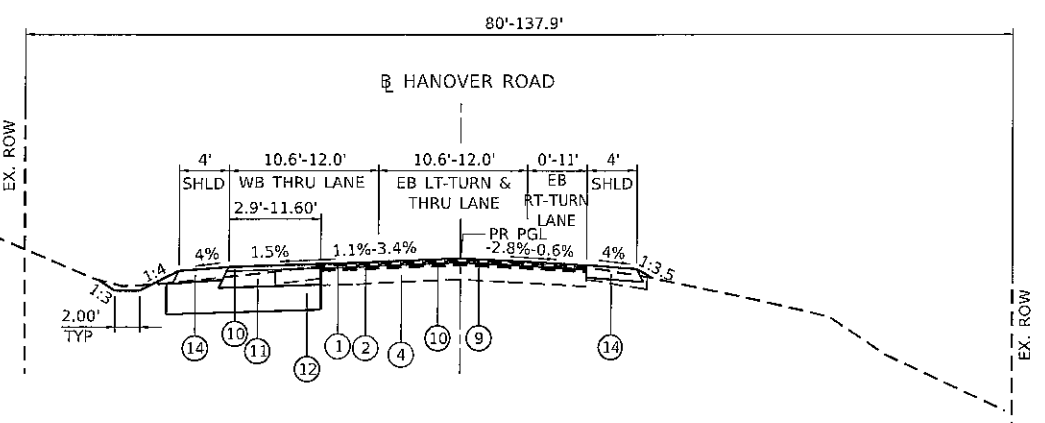
* PR. WIDENING BEGINS STA. 108+43.12

- NOTE:
- HMA BASE COURSE WIDENING UTILIZED FOR ALL WIDENING ON THIS PROJECT, INCLUDING AREAS GREATER THAN 6 FOOT.
 - CONTRACTOR SHALL SAW CUT ALONG EXISTING EDGE OF PAVEMENT AT ALL PAVEMENT WIDENING LOCATIONS, APPROXIMATE STA. 106+70.96 TO STA. 111+52.18. COST SHALL IN INCLUDED IN THE PRICE FOR EARTH EXCAVATION.



EXISTING TYPICAL SECTION

STA. 106+70.96 - STA. 109+00.00



PROPOSED TYPICAL SECTION

STA. 106+70.96 - STA. 109+00.00

| PROPOSED BASE COURSE WIDENING WIDTH | | | |
|-------------------------------------|--------|-----------|-------|
| STA. | LT | STA. | RT |
| 106+70.96 | 2.90' | 108+43.12 | 1' |
| 107+07.31 | 2.92' | 109+00.00 | 1.48' |
| 109+00.00 | 11.60' | 110+83.63 | 9.52' |
| 110+50.00 | 8.37' | 111+52.18 | 1.37' |
| 111+29.54 | 0' | | |

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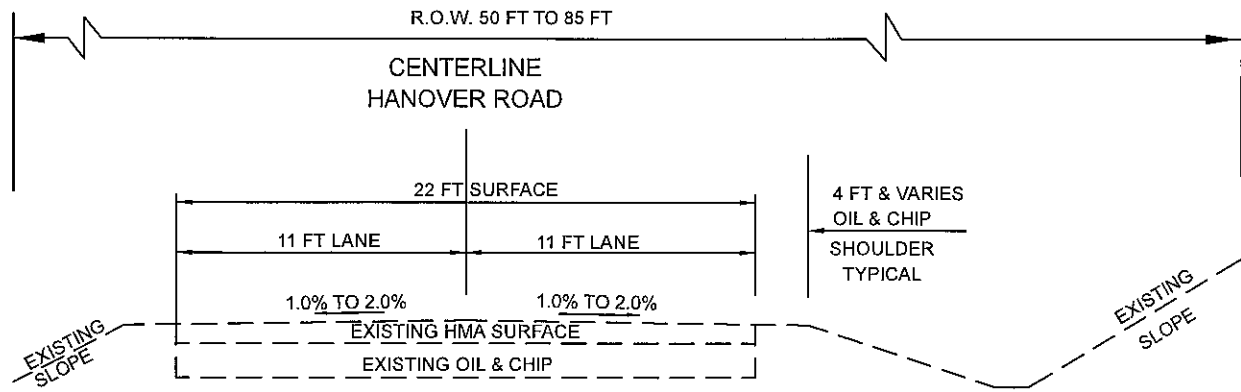


| | | |
|-----------------------------|------------|-----------|
| USER NAME = mschwiegerjohn | DESIGNED - | REVISED - |
| PLOT SCALE = 15.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 1/27/2020 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**MONROE COUNTY
HIGHWAY DEPARTMENT**

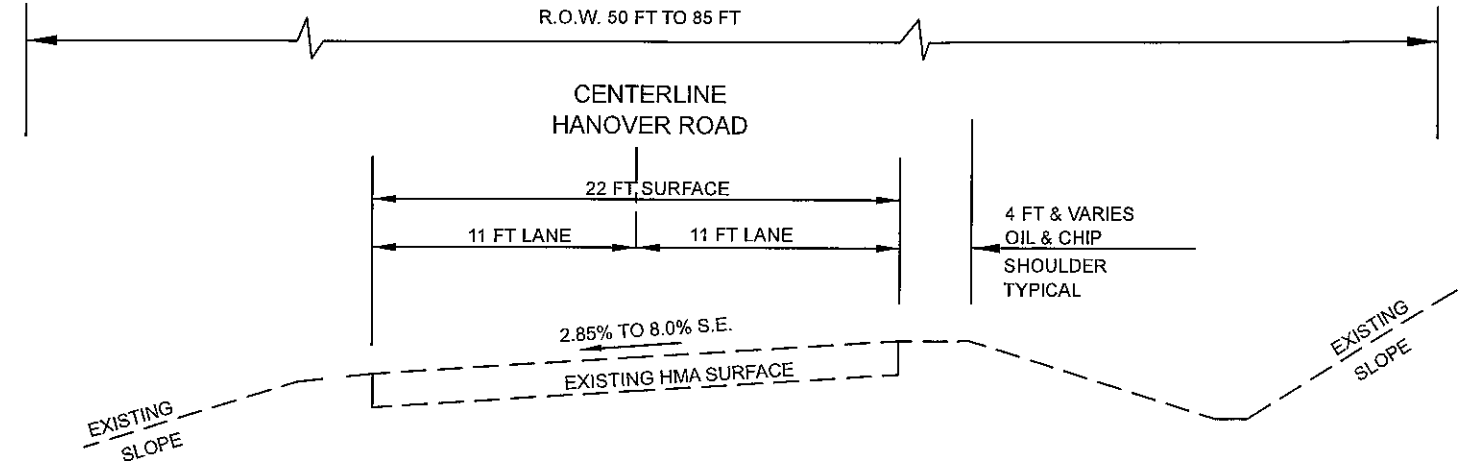
| TYPICAL SECTIONS HANOVER ROAD - INTERSECTION WIDENING | | | |
|--|-------|-----------|----------------------------------|
| SCALE: NTS | SHEET | OF SHEETS | STA. 106+70.96 TO STA. 111+33.47 |

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------------|-----------|
| 854 | 18-00052-04-PV | MONROE | 25 | 5 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 97727 | |



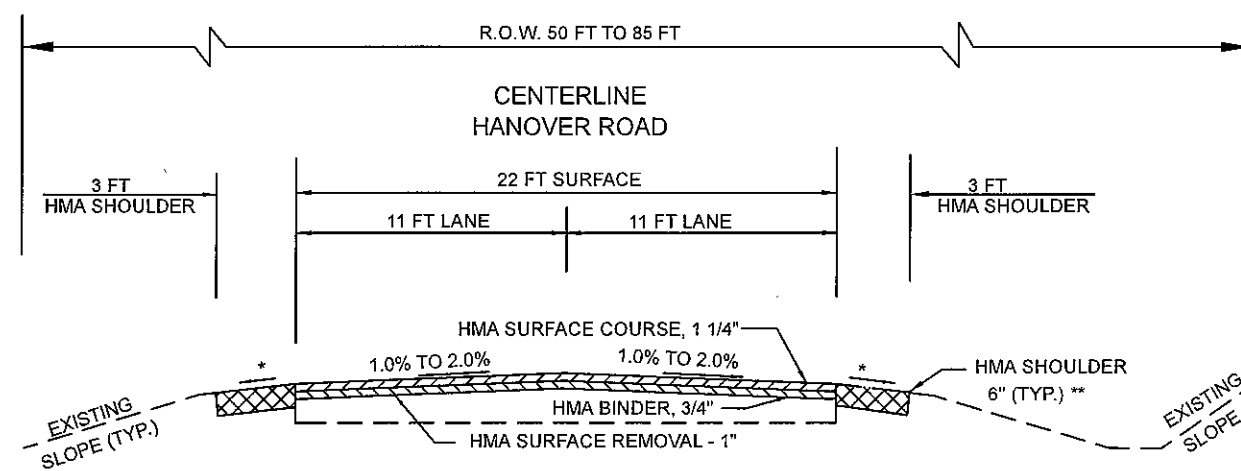
EXISTING TYPICAL SECTION

STA 104+59.84 TO STA 103+97.00
 STA 200+00.00 TO STA 216+16.43
 STA 221+21.60 TO STA 222+71.73
 STA 228+20.27 TO STA 234+17.22
 STA 237+54.87 TO STA 240+65.51
 STA 245+94.89 TO STA 257+22.17



EXISTING SUPERELEVATED SECTION

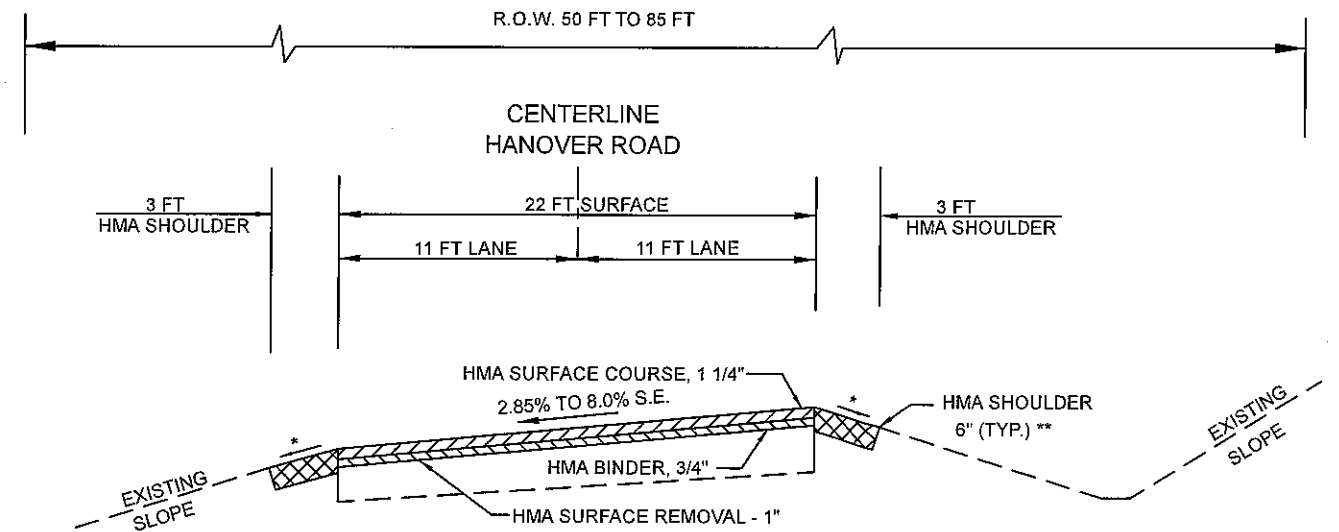
STA 106+70.96 TO STA 104+59.84
 STA 216+16.43 TO STA 221+21.60
 STA 222+71.73 TO STA 228+20.27
 STA 234+17.22 TO STA 237+54.87
 STA 240+65.51 TO STA 245+94.89



PROPOSED SECTION

STA 104+59.84 TO STA 103+97.00
 STA 200+00.00 TO STA 216+16.43
 STA 221+21.60 TO STA 222+71.73
 STA 228+20.27 TO STA 234+17.22
 STA 237+54.87 TO STA 240+65.51
 STA 245+94.89 TO STA 257+22.17

** HMA SHOULDER 6" (TYP.)
 SHALL BE PLACED IN 2 LIFTS
 FIRST LIFT TO MATCH MILLED SURFACE.
 SECOND LIFT TO MATCH NEW HMA SURFACE.



PROPOSED SUPERELEVATED SECTION

STA 106+70.96 TO STA 104+59.84
 STA 216+16.43 TO STA 221+21.60
 STA 222+71.73 TO STA 228+20.27
 STA 234+17.22 TO STA 237+54.87
 STA 240+65.51 TO STA 245+94.89

* 8% ROLLOVER FACTOR
 SHOULDER SLOPE 4% & VARIES

STATION EQUATION
 STA 200+00 AHEAD = STA 103+97 BACK

DRAWING FILE: S:\HANOVER ROAD RESURFACING 2019\Phase I Plan Sheets\typical sections_phase I

| | | |
|----------------------------|------------|-----------|
| USER NAME # | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 50,000' / in. | CHECKED - | REVISED - |
| PLOT DATE * | DATE - | REVISED - |

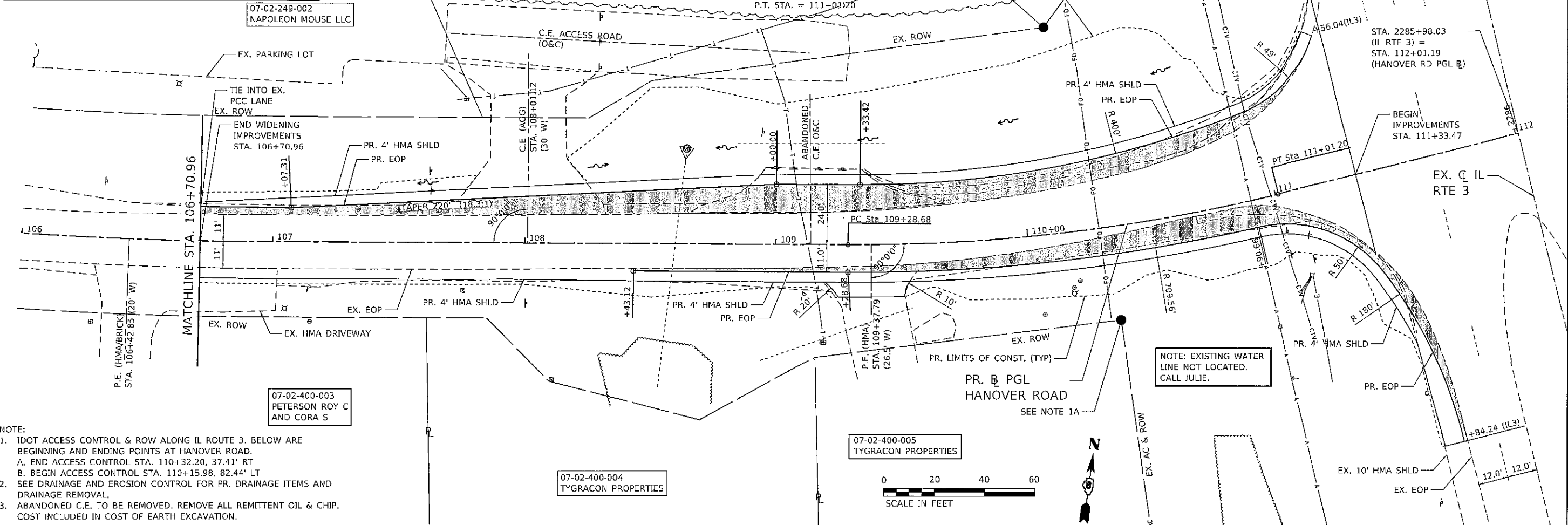
MONROE COUNTY
 HIGHWAY DEPARTMENT

| | |
|--|--|
| TYPICAL SECTIONS - PHASE I RESURFACING | |
| SCALE: NTS | SHEET 1 OF 1 SHEETS STA. 106+70.96 TO STA. 257+22.17 |

| | | | | |
|---------------------------|------------------------|---------------|-----------------|-------------|
| F.A.S. RTE. 854 C.H. 8 | SECTION 18-00052-04-PV | COUNTY MONROE | TOTAL SHEETS 25 | SHEET NO. 6 |
| CONTRACT NO. 97727 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

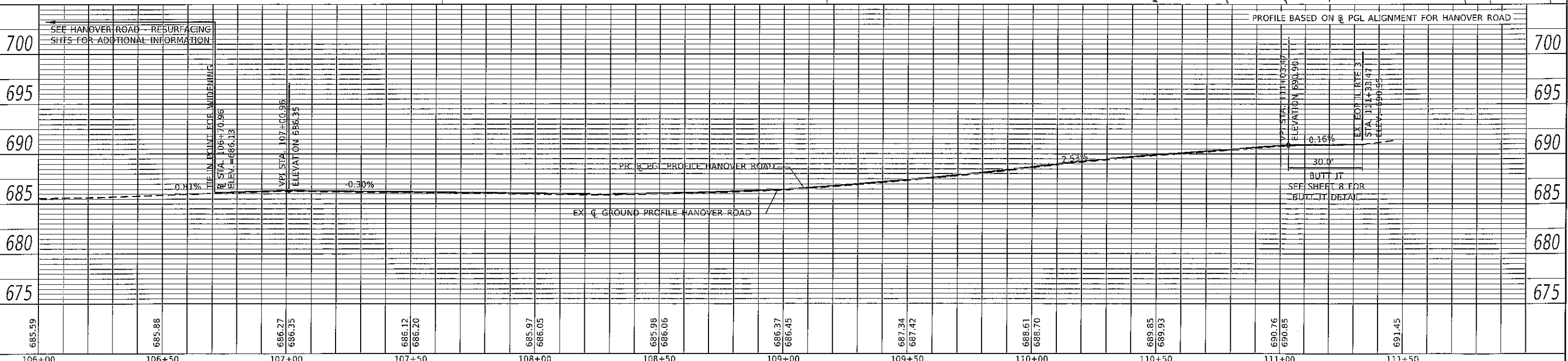
| CONTROL POINTS | | | | | |
|----------------|-----------|------------|-----------|------------|--------|
| # | STA. | OFF. | N | E | ELEV. |
| 200 | 105+10.65 | 52.37' LT | 627186.92 | 2296044.40 | 687.90 |
| 202 | 109+37.25 | 91.12' LT | 627267.64 | 2296456.58 | 691.55 |
| 203 | 111+32.52 | 193.16' RT | 627050.19 | 2296726.87 | 687.67 |
| 204 | 111+00.08 | 392.51' LT | 627584.08 | 2296484.03 | 695.68 |

PROP. CURVE PRL 8
 PI STA. = 110+15.38
 $\Delta = 14^\circ 09' 02''$ (LT)
 $D = 8^\circ 12' 07''$
 $R = 698.56'$
 $T = 86.70'$
 $L = 172.53'$
 $E = 5.36'$
 $e = 4\%$
 P.C. STA. = 109+28.68
 P.T. STA. = 111+01.20



- NOTE:
1. IDOT ACCESS CONTROL & ROW ALONG IL ROUTE 3. BELOW ARE BEGINNING AND ENDING POINTS AT HANOVER ROAD.
 A. END ACCESS CONTROL STA. 110+32.20, 37.41' RT
 B. BEGIN ACCESS CONTROL STA. 110+15.98, 82.44' LT
 2. SEE DRAINAGE AND EROSION CONTROL FOR PR. DRAINAGE ITEMS AND DRAINAGE REMOVAL.
 3. ABANDONED C.E. TO BE REMOVED. REMOVE ALL REMITTENT OIL & CHIP. COST INCLUDED IN COST OF EARTH EXCAVATION.

NOTE: EXISTING WATER LINE NOT LOCATED. CALL JULIE.



| DATE | BY | REVISION |
|------|----|----------|
| | | |

| DATE | BY | REVISION |
|------|----|----------|
| | | |

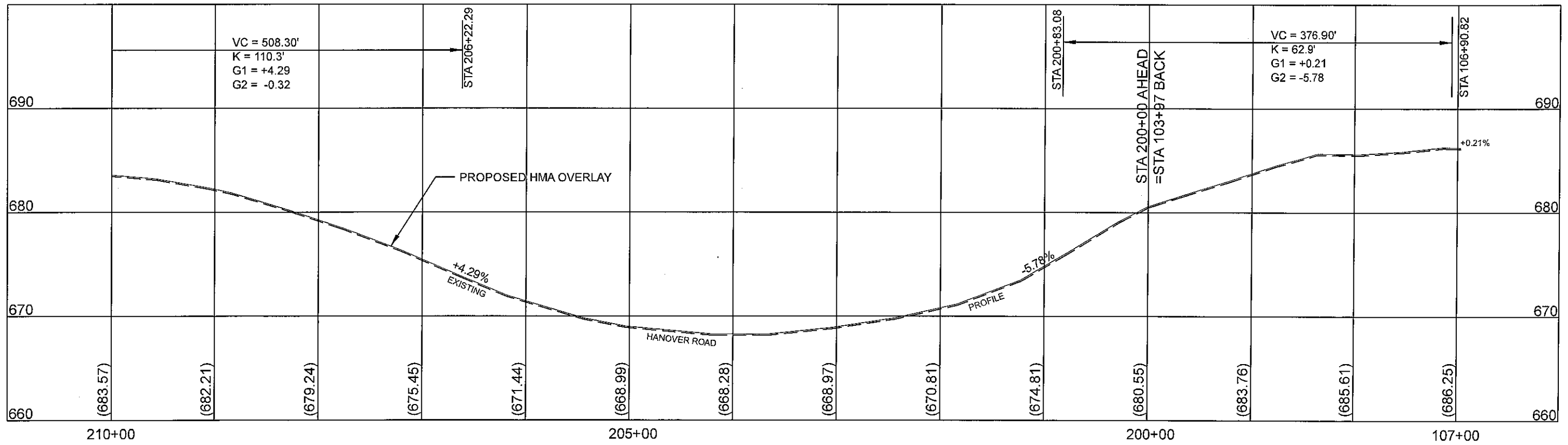
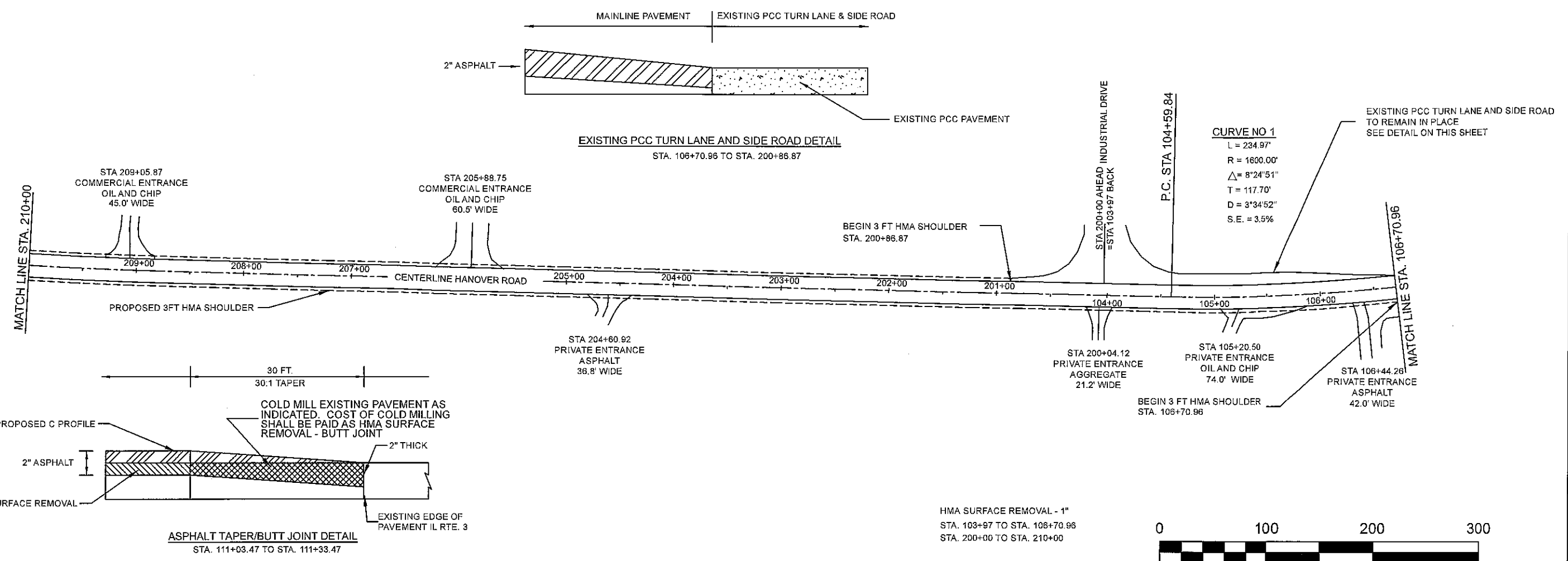
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| PLOT SCALE = 40.0000' / 1 in. | DRAWN - | REVISED - |
| PLOT DATE = 1/27/2020 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

MONROE COUNTY
 HIGHWAY DEPARTMENT

PLAN AND PROFILE
 HANOVER ROAD - INTERSECTION WIDENING
 SCALE: 1" = 20' SHEET OF SHEETS STA. 106+00.00 TO STA. 112+01.19

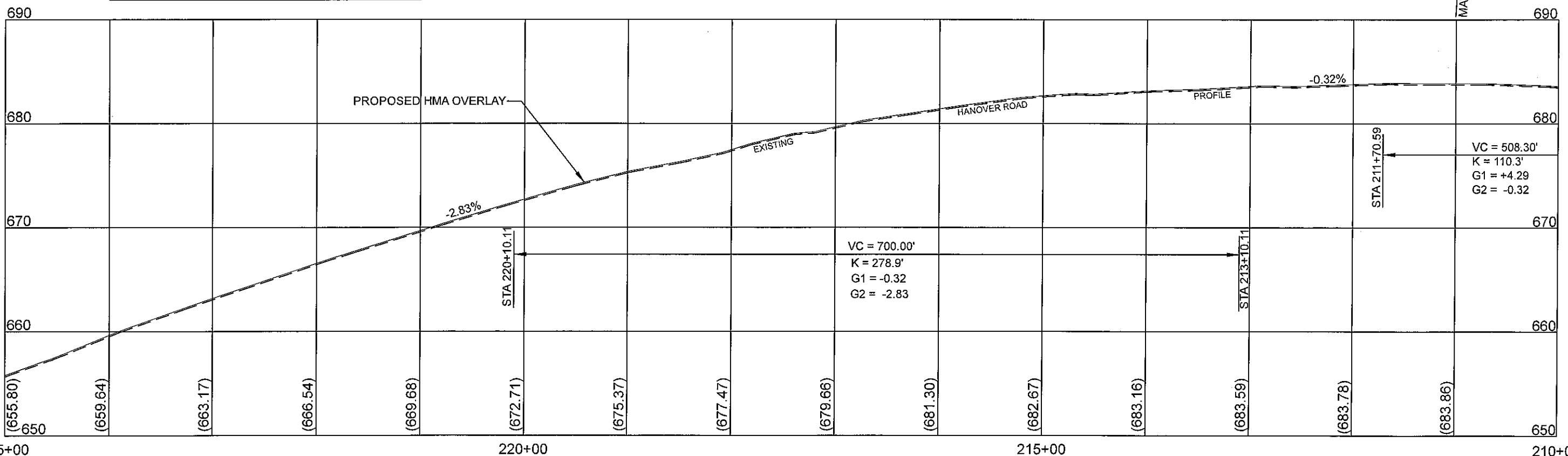
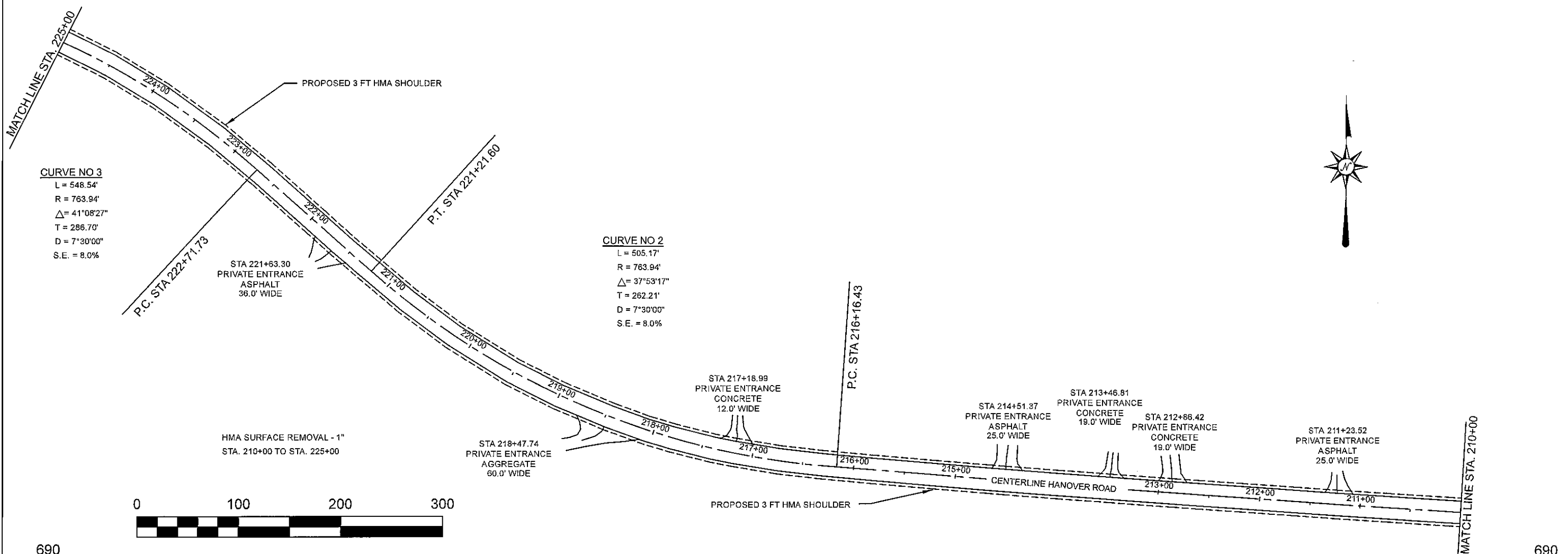
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|--------------------|
| 854 | 18-00052-04-PV | MONROE | 25 | 7 |
| | | | | CONTRACT NO. 97727 |
| ILLINOIS FED. AID PROJECT | | | | |



DRAWING FILE: S:\HANOVER ROAD RESURFACING 2019\Phase 1 Plan Sheets\Hanover Resurfacing Plan and Profile Phase 1

| | | | | | | | | | | |
|-----------------------------|------------|-----------|-------------------------------------|---|----------------------------------|------------------------|---------------------------|---------------|-----------------|-------------|
| USER NAME = | DESIGNED - | REVISED - | MONROE COUNTY HIGHWAY DEPARTMENT | PLAN AND PROFILE PHASE I RESURFACING | | F.A.S. RTE. 854 C.H. 8 | SECTION 18-00052-04-PV | COUNTY MCNROE | TOTAL SHEETS 25 | SHEET NO. 8 |
| PLOT SCALE = 100,000' / in. | DRAWN - | REVISED - | | SCALE: 1" = 100' | SHEET 1 OF 5 SHEETS | CONTRACT NO. 97727 | ILLINOIS FED. AID PROJECT | | | |
| PLOT DATE = | CHECKED - | REVISED - | | STA. 103+97 TO STA. 200+00 | TO STA. 106+70.96 TO STA. 210+00 | | | | | |
| | DATE - | REVISED - | | | | | | | | |

DRAWING FILE: S:\HANOVER ROAD RESURFACING 2019\Phase I Plan Sheets\Hanover Resurfacing Plan and Profile Phase 1



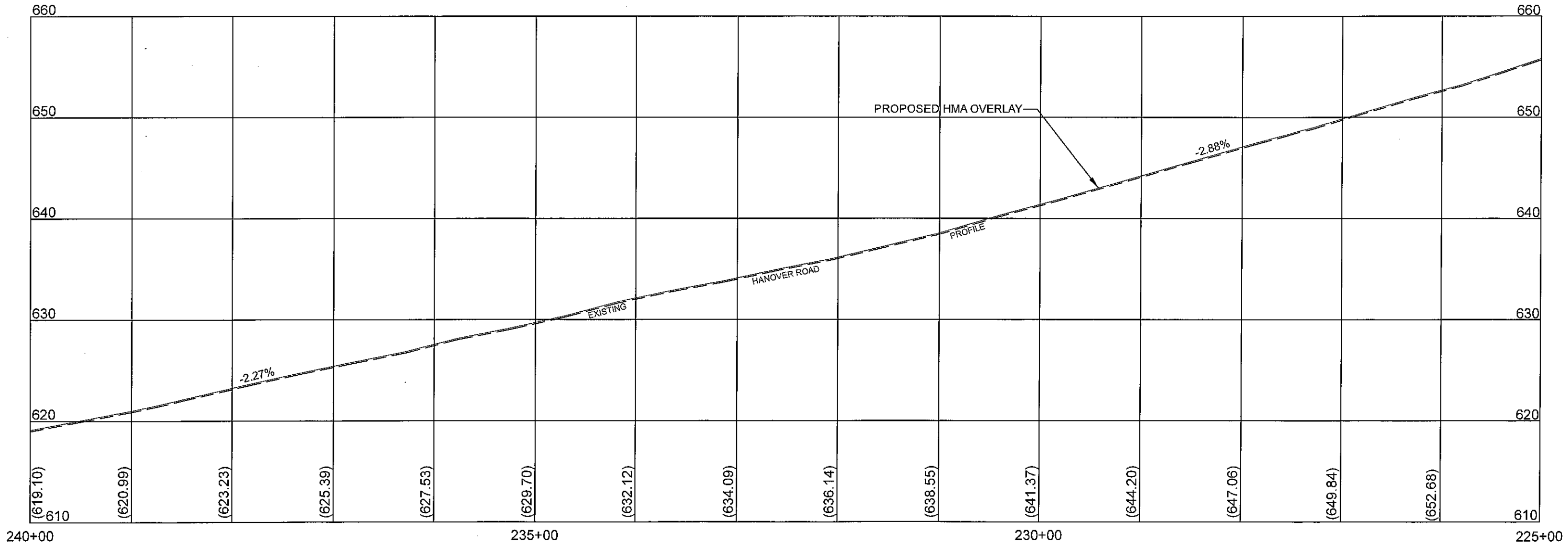
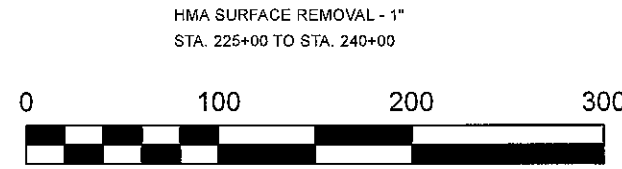
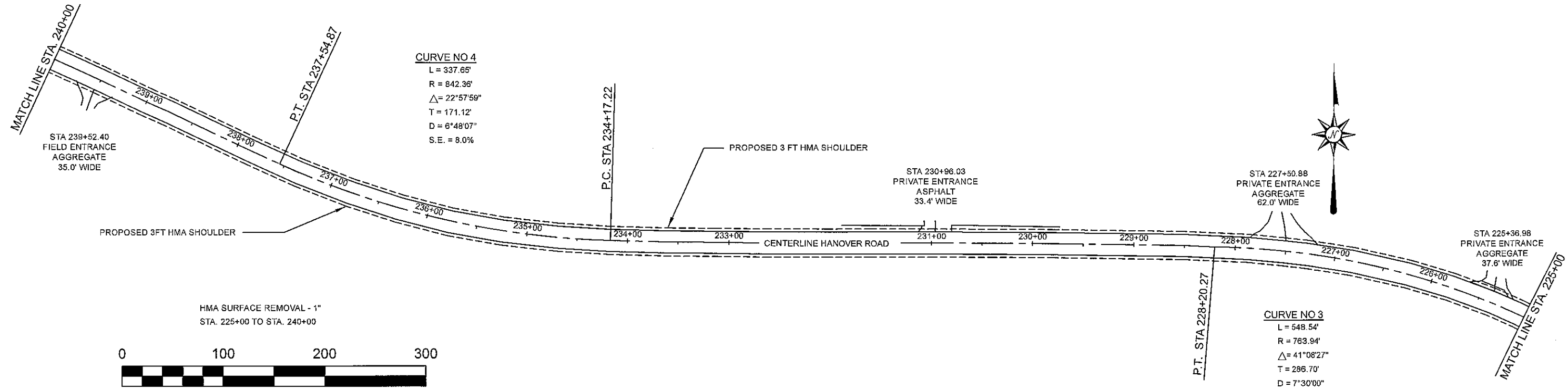
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| USER NAME - | DESIGNED - | REVISED - |
| DRAWN - | REVISIONS - | |
| CHECKED - | REVISIONS - | |
| DATE - | REVISIONS - | |

**MONROE COUNTY
HIGHWAY DEPARTMENT**

**PLAN AND PROFILE
PHASE I RESURFACING**

SCALE: 1" = 100' SHEET 2 OF 5 SHEETS STA. 210+00 TO STA. 225+00

| | | | | |
|------------------------|-----------------------|---------------|---------------------------|-------------|
| F.A.S. RTE. 654 C.H. 8 | SECTION 18-0052-04-PV | COUNTY MONROE | TOTAL SHEETS 25 | SHEET NO. 9 |
| CONTRACT NO. 97727 | | | ILLINOIS FED. AID PROJECT | |



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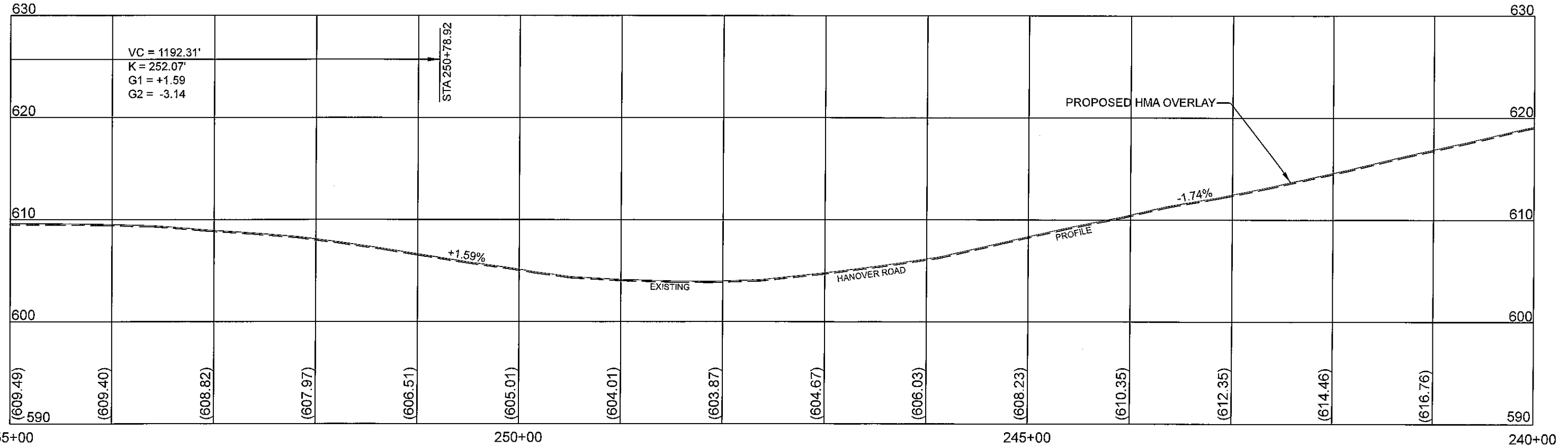
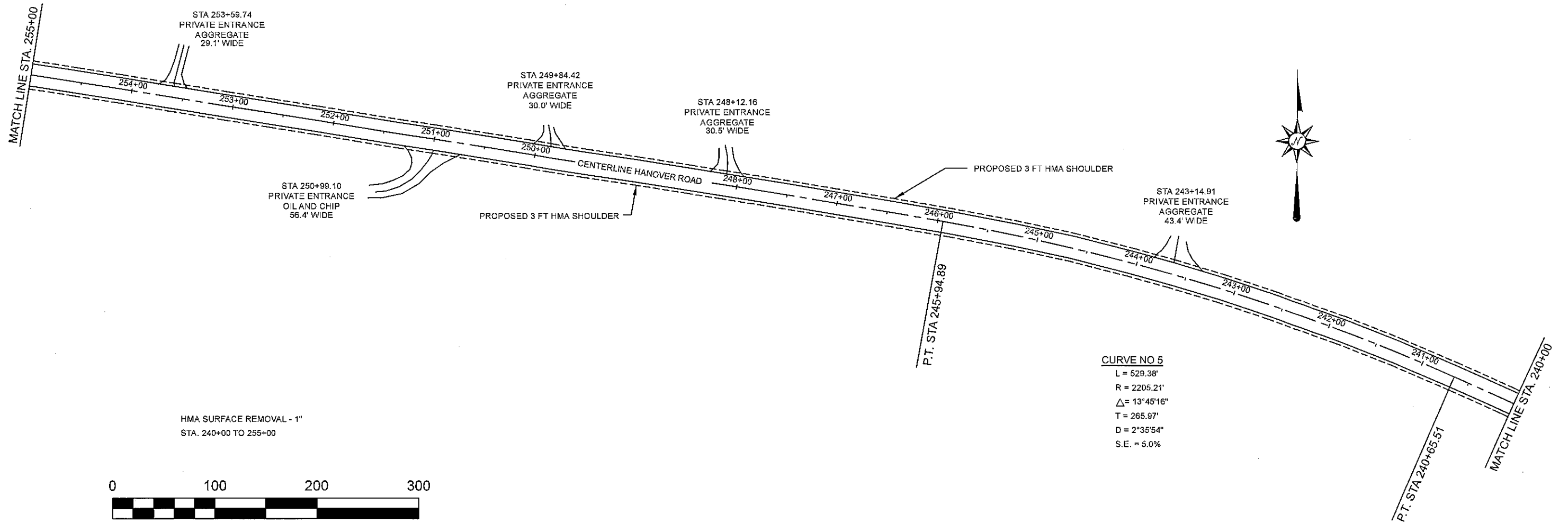
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| USER NAME = | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100.000' / in. | CHECKED - | REVISED - |
| PLOT DATE = | DATE - | REVISED - |

MONROE COUNTY
HIGHWAY DEPARTMENT

PLAN AND PROFILE
PHASE I RESURFACING

SCALE: 1" = 100' SHEET 3 OF 5 SHEETS STA. 225+00 TO STA. 240+00

| | | | | |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 854 C.H. 8 | 18-00052-04-PV | MONROE | 25 | 10 |
| CONTRACT NO. 97727 | | | ILLINOIS FED. AID PROJECT | |



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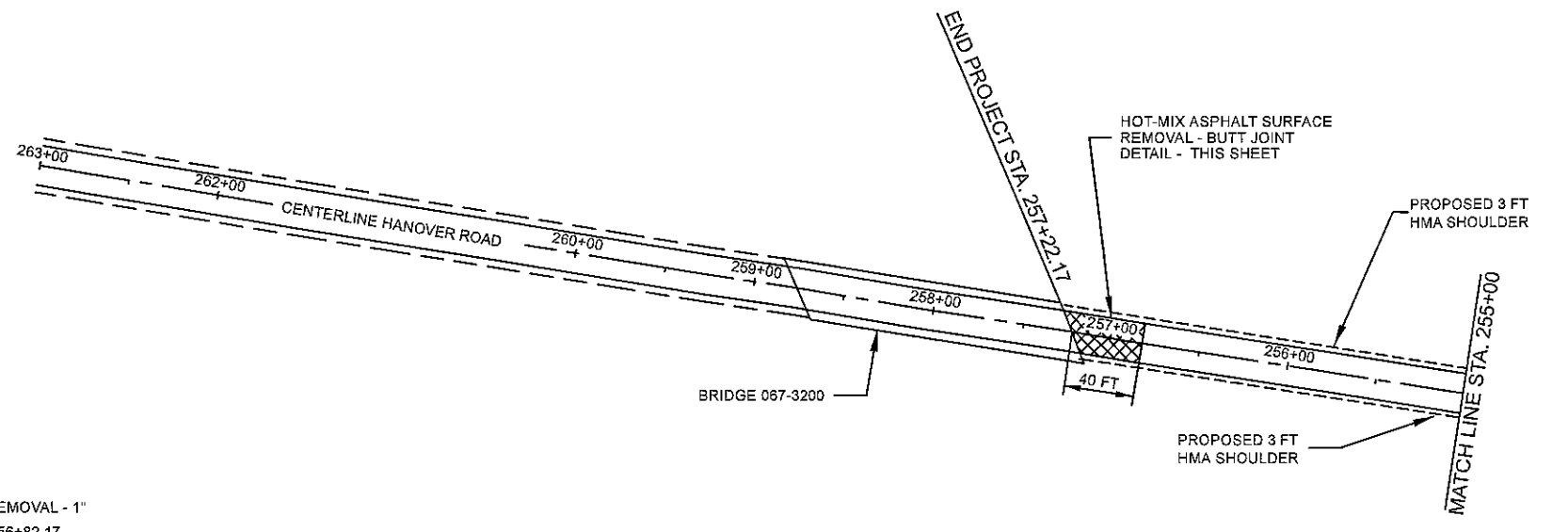
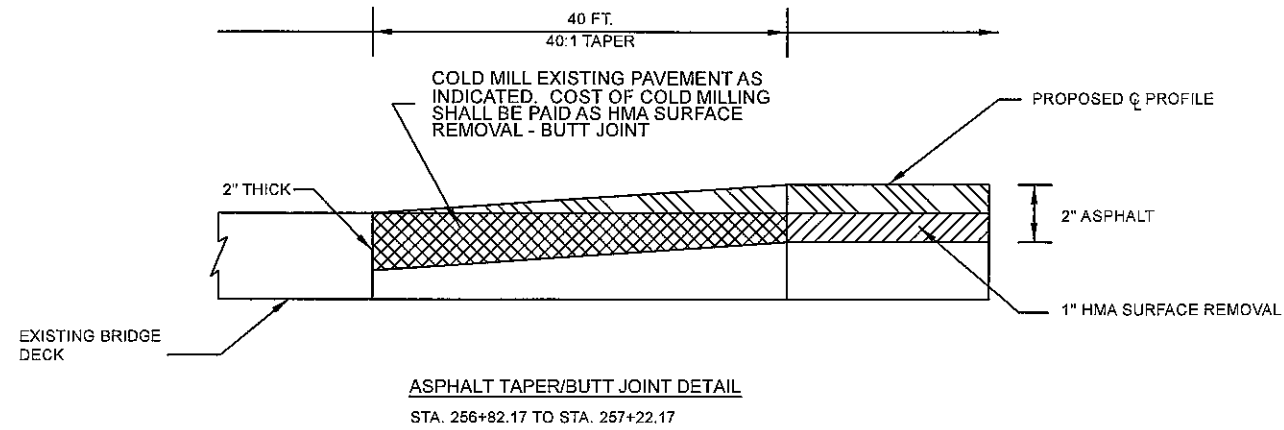
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| | DRAWN - | REVISED - |
| PLOT SCALE = 100,000' / in. | CHECKED - | REVISED - |
| PLOT DATE = | DATE - | REVISED - |

MONROE COUNTY
HIGHWAY DEPARTMENT

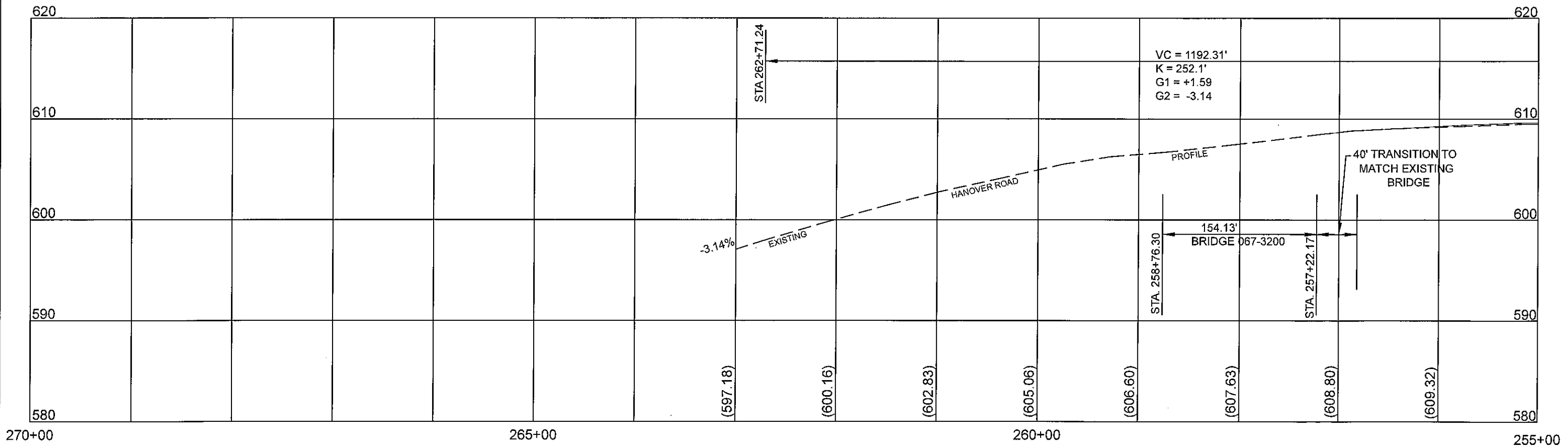
PLAN AND PROFILE
PHASE I RESURFACING

SCALE: 1" = 100' SHEET 4 OF 5 SHEETS STA. 240+00 TO STA. 255+00

| | | | | |
|------------------------|------------------------|---------------|---------------------------|--------------|
| F.A.S. RTE. 664 C.H. 8 | SECTION 18-00052-04-PV | COUNTY MONROE | TOTAL SHEETS 25 | SHEET NO. 11 |
| CONTRACT NO. 97727 | | | ILLINOIS FED. AID PROJECT | |



HMA SURFACE REMOVAL - 1"
STA. 255+00 TO 256+82.17



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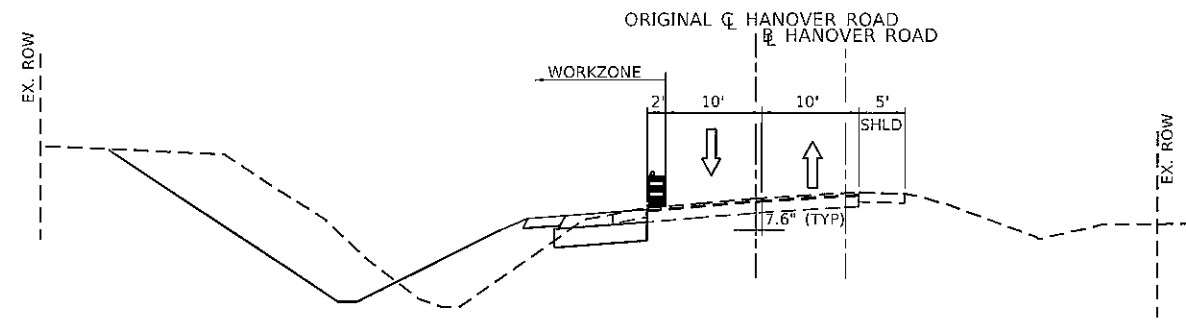
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| PLOT DATE * | DATE - | REVISED - |

MONROE COUNTY
HIGHWAY DEPARTMENT

PLAN AND PROFILE
PHASE I RESURFACING

SCALE: 1" = 100' SHEET 5 OF 5 SHEETS STA. 255+00 TO STA. 257+22.17

| | | | | |
|------------------------|------------------------|---------------|---------------------------|--------------|
| F.A.S. RTE. 184 C.H.B. | SECTION 18-00052-04-PV | COUNTY MONROE | TOTAL SHEETS 25 | SHEET NO. 12 |
| CONTRACT NO. 97727 | | | ILLINOIS FED. AID PROJECT | |



STAGE 1 TYPICAL

STA. 109+00.00 - STA. 111+33.47

PRIMARY IDOT STANDARDS THIS STAGE
(SEE SPECIAL PROVISIONS FOR
ADDITIONAL APPLICABLE STANDARDS)

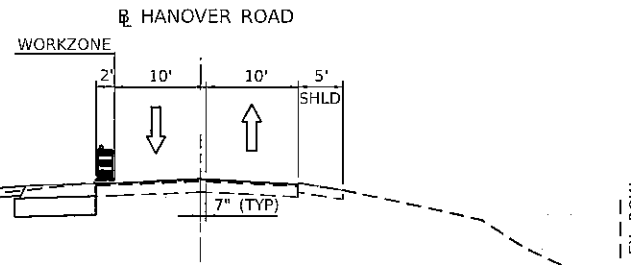
701001
701006
701326

TRAFFIC

SHIFT TRAFFIC 2' SOUTH.
TRAFFIC TO REMAIN 2W, 2L.

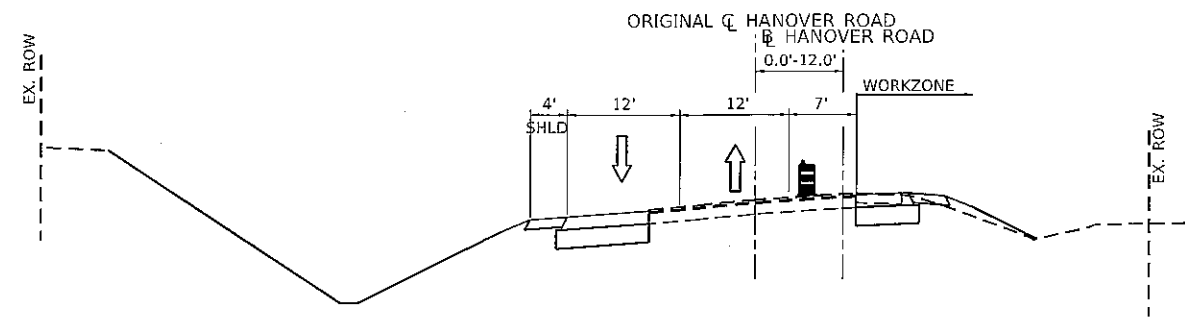
ROADWAY CONSTRUCTION

CONSTRUCT NORTH ROADWAY WIDENING.
(LESS 2" HMA SURFACE COURSE AND 2" HMA SHOULDER)



STAGE 1 TYPICAL

STA. 106+70.96 - STA. 109+00.00



STAGE 2 TYPICAL

STA. 109+00.00 - STA. 111+33.47

PRIMARY IDOT STANDARDS THIS STAGE
(SEE SPECIAL PROVISIONS FOR
ADDITIONAL APPLICABLE STANDARDS)

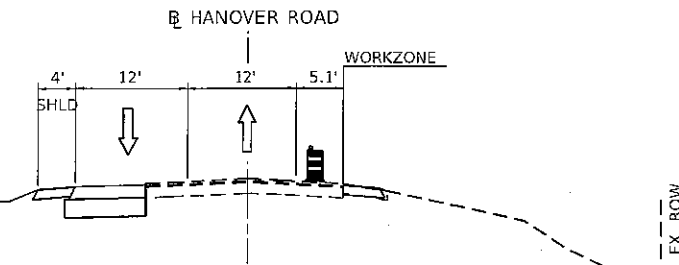
701006
701326

TRAFFIC

SHIFT TRAFFIC ONTO CONSTRUCTED PAVEMENT
TRAFFIC TO REMAIN 2W, 2L.

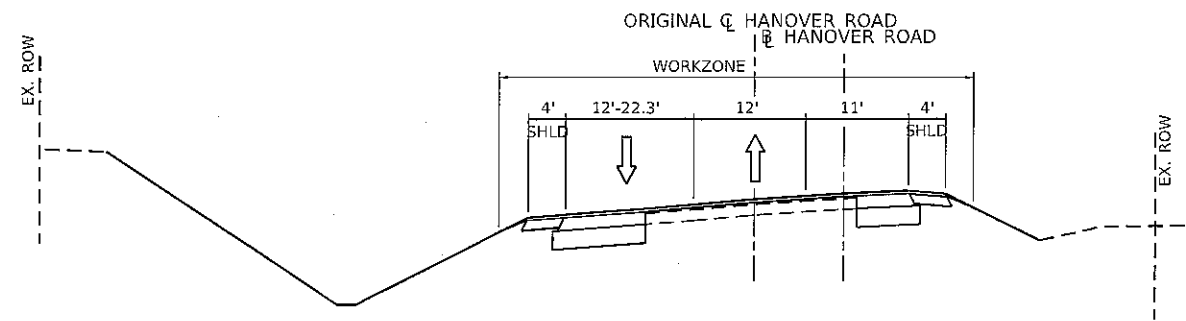
ROADWAY CONSTRUCTION

CONSTRUCT SOUTH ROADWAY WIDENING.
(LESS 2" HMA SURFACE COURSE AND 2" HMA SHOULDER)



STAGE 2 TYPICAL

STA. 106+70.96 - STA. 109+00.00



STAGE 3 TYPICAL

STA. 109+00.00 - STA. 111+33.47

PRIMARY IDOT STANDARDS THIS STAGE
(SEE SPECIAL PROVISIONS FOR
ADDITIONAL APPLICABLE STANDARDS)

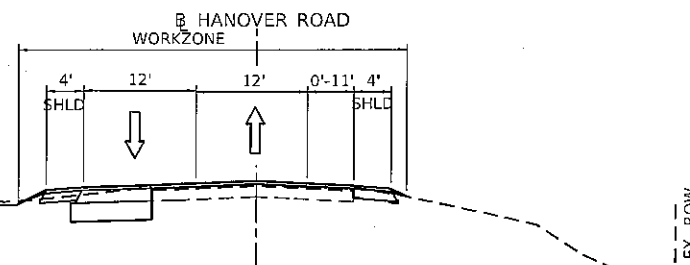
701306

TRAFFIC

SHIFT TRAFFIC FOR HMA RESURFACING.
TRAFFIC TO 2W, 1L WITH FLAGGER.

ROADWAY CONSTRUCTION

CONSTRUCT HMA 2" SURFACE COURSE.
PLACE TEMPORARY/FINAL PAVEMENT MARKINGS



STAGE 3 TYPICAL

STA. 106+70.96 - STA. 109+00.00

SUGGESTED STAGES AND SEQUENCE OF CONSTRUCTION NOTES

1. PRE STAGE I - PLACE ADVANCED WARNING SIGNAGE FOR ALL WORK IN ACCORDANCE WITH HIGHWAY STANDARDS (701006).
2. PRE STAGE I - REMOVE EXISTING STRIPING STA. 106+70.96 TO STA. 111+33.47. SHORT-TERM PAVEMENT MARKING REQUIRED ON STAGE CENTERLINE ONLY.
3. CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HMA.
4. ALL TRAFFIC CONTROL DRUMS OR BARRICADES SHALL BE LIGHTED.
5. SIGNAGE, CHANNELIZING DEVICES, BARRICADES, ETC. PROVIDED FOR STAGE CONSTRUCTION IS INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
6. ANY DROP OFF FROM PAVEMENT OPEN TO TRAFFIC WHICH IS GREATER THAN THREE INCHES, BUT LESS THAN THIRTY-SIX INCHES, WITHIN EIGHT FEET OF THE PAVEMENT EDGES SHALL BE PROTECTED BY TYPE I OR TYPE II BARRICADES EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHTS AT 50 FOOT CENTER-TO-CENTER SPACING. IF THE DROP OFF IS WITHIN THREE FEET OF THE PAVEMENT EDGE EXCEEDS EIGHTEEN INCHES, FOR A DURATION LONGER THAN 48 HOURS, THE CONTRACTOR SHALL USE TEMPORARY TRAFFIC BARRIER UNLESS APPROVED BY THE RESIDENT ENGINEER. OTHER POTENTIAL HAZARDS LOCATED WITHIN THE PROJECT LIMITS SHALL BE PROTECTED BY TYPE I OR TYPE II BARRICADES WITH FLASHING LIGHTS OR IF THE HAZARD EXCEEDS 100 FEET IN LENGTH STEAD BURN BI-DIRECTIONAL LIGHTS WILL BE REQUIRED. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901. VERTICAL PANELS OR OTHER DELINEATING DEVICES MAY BE SUBSTITUTED FOR TYPE I OR TYPE II BARRICADES WITH THE APPROVAL OF THE ENGINEER.

THE CONTRACTOR MAY PRESENT ANOTHER OPTION TO ADDRESS THE PROJECT WORK THAT MUST BE APPROVED BY THE ENGINEER. ANY COSTS ASSOCIATED WITH THIS WORK AND COMPLYING AND/OR COORDINATING WITH THE ENGINEER WILL BE CONSIDERED AS INCLUDED IN THE COST OF THE PROJECT.

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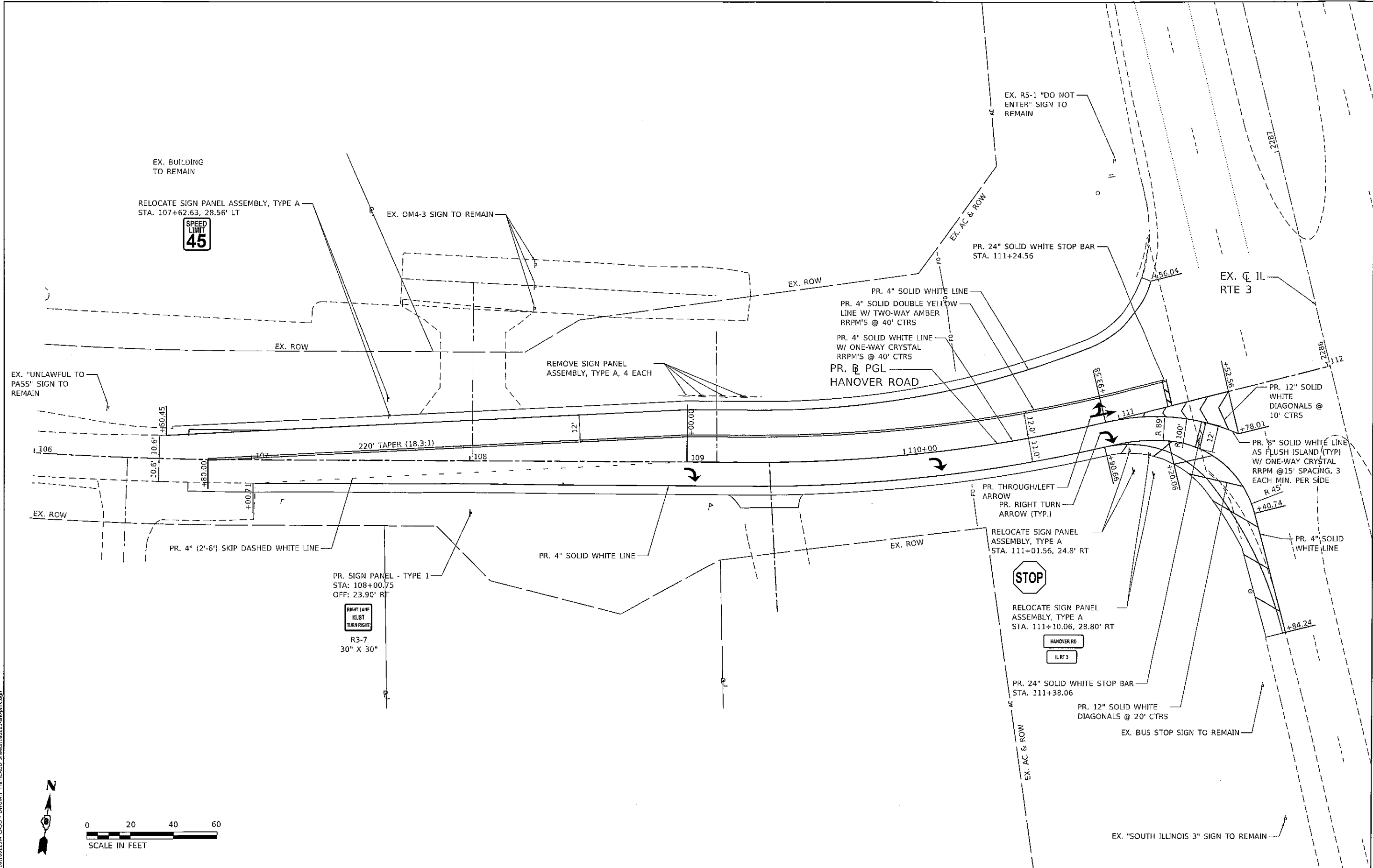
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| PLOT DATE = 1/27/2020 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**MONROE COUNTY
HIGHWAY DEPARTMENT**

**SUGGESTED STAGES OF CONSTRUCTION
HANOVER ROAD - INTERSECTION WIDENING**

SCALE: NTS SHEET OF SHEETS STA. TO STA.

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------------|-----------|
| 854 | 18-00052-04-PV | MONROE | 25 | 13 |
| | | | CONTRACT NO. 97727 | |
| ILLINOIS FED. AID PROJECT | | | | |



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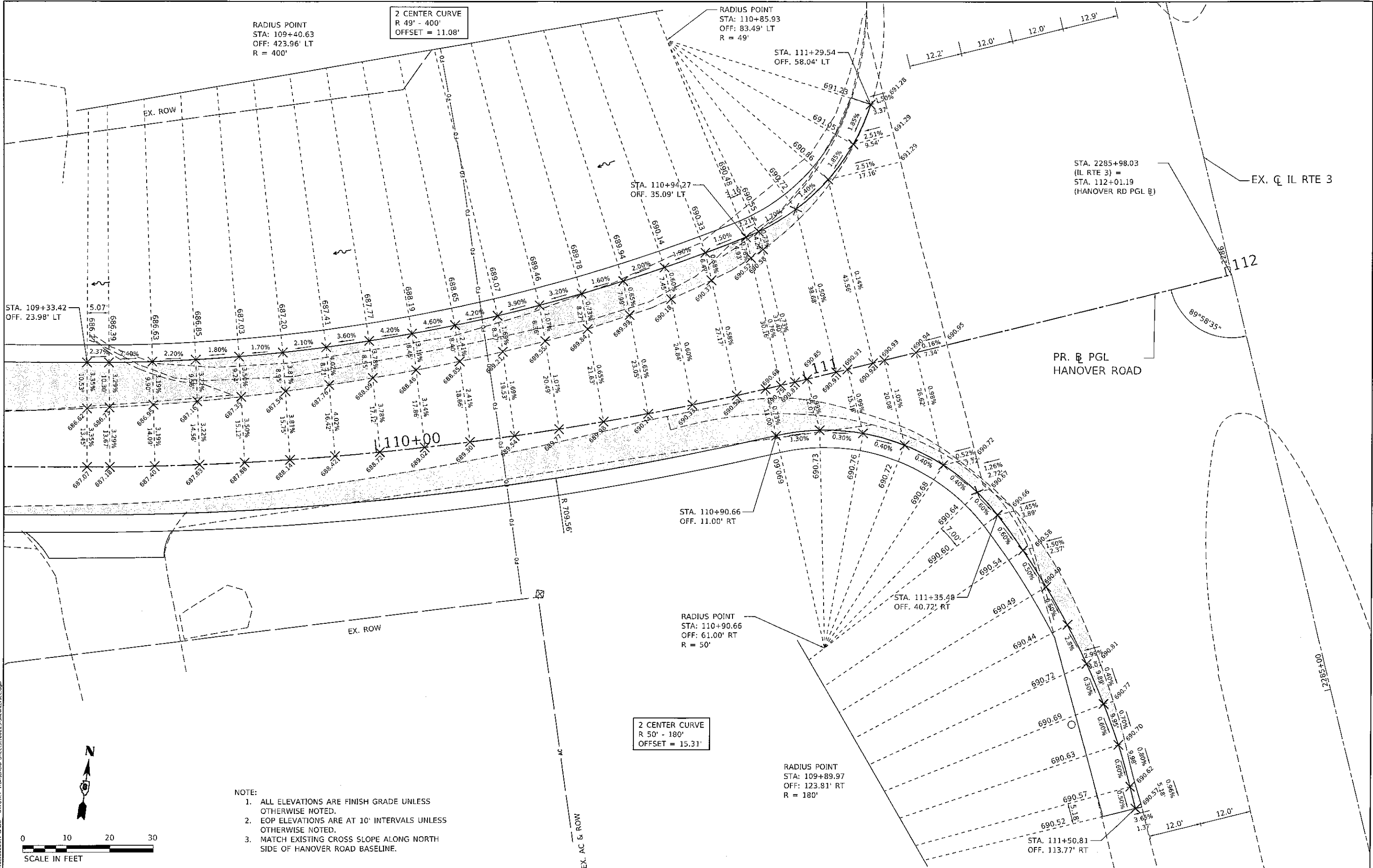
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| PLOT SCALE = 40.0000' / 1 in. | DRAWN - | REVISED - |
| PLOT DATE = 1/27/2020 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**MONROE COUNTY
HIGHWAY DEPARTMENT**

**PAVEMENT MARKING & SIGNAGE
HANOVER ROAD - INTERSECTION WIDENING**

SCALE: 1" = 20' SHEET OF SHEETS STA. 106+00.00 TO STA. 112+01.19

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|--------|---------------------------|-----------|
| 854 | 18-00052-04-PV | MONROE | 25 | 15 |
| CONTRACT NO. 97727 | | | ILLINOIS FED. AID PROJECT | |



RADIUS POINT
 STA: 109+40.63
 OFF: 423.96' LT
 R = 400'

2 CENTER CURVE
 R 49' - 400'
 OFFSET = 11.08'

RADIUS POINT
 STA: 110+85.93
 OFF: 83.49' LT
 R = 49'

STA. 109+33.42
 OFF. 23.98' LT

STA. 110+94.27
 OFF. 35.09' LT

STA. 111+29.54
 OFF. 58.04' LT

STA. 2285+98.03
 (IL RTE 3) =
 STA. 112+01.19
 (HANOVER RD PGL @)

EX. CL IL RTE 3

PR. @ PGL
 HANOVER ROAD

110+00

STA. 110+90.66
 OFF. 11.00' RT

RADIUS POINT
 STA: 110+90.66
 OFF: 61.00' RT
 R = 50'

STA. 111+35.48
 OFF. 40.72' RT

2 CENTER CURVE
 R 50' - 180'
 OFFSET = 15.31'

RADIUS POINT
 STA: 109+89.97
 OFF: 123.81' RT
 R = 180'

STA. 111+50.81
 OFF. 113.77' RT

- NOTE:
1. ALL ELEVATIONS ARE FINISH GRADE UNLESS OTHERWISE NOTED.
 2. EOP ELEVATIONS ARE AT 10' INTERVALS UNLESS OTHERWISE NOTED.
 3. MATCH EXISTING CROSS SLOPE ALONG NORTH SIDE OF HANOVER ROAD BASELINE.



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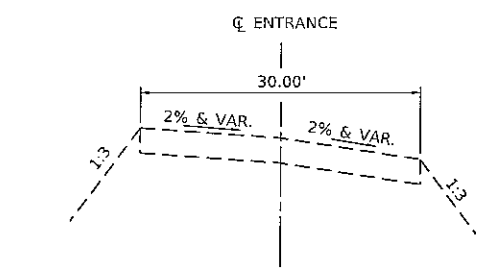
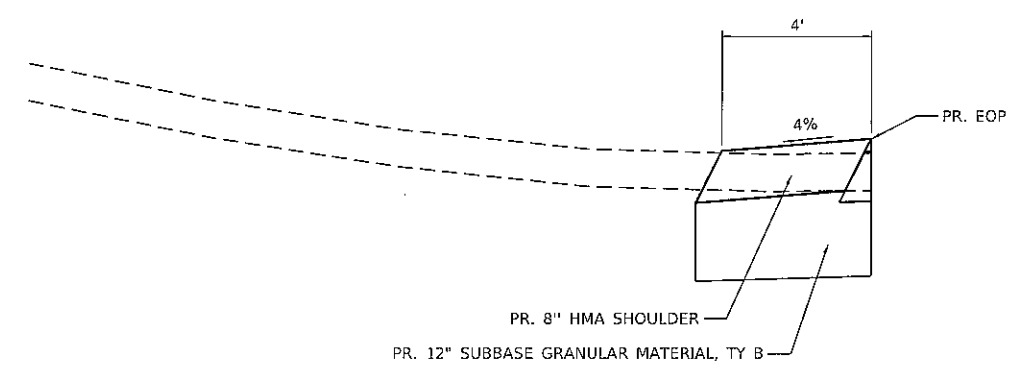
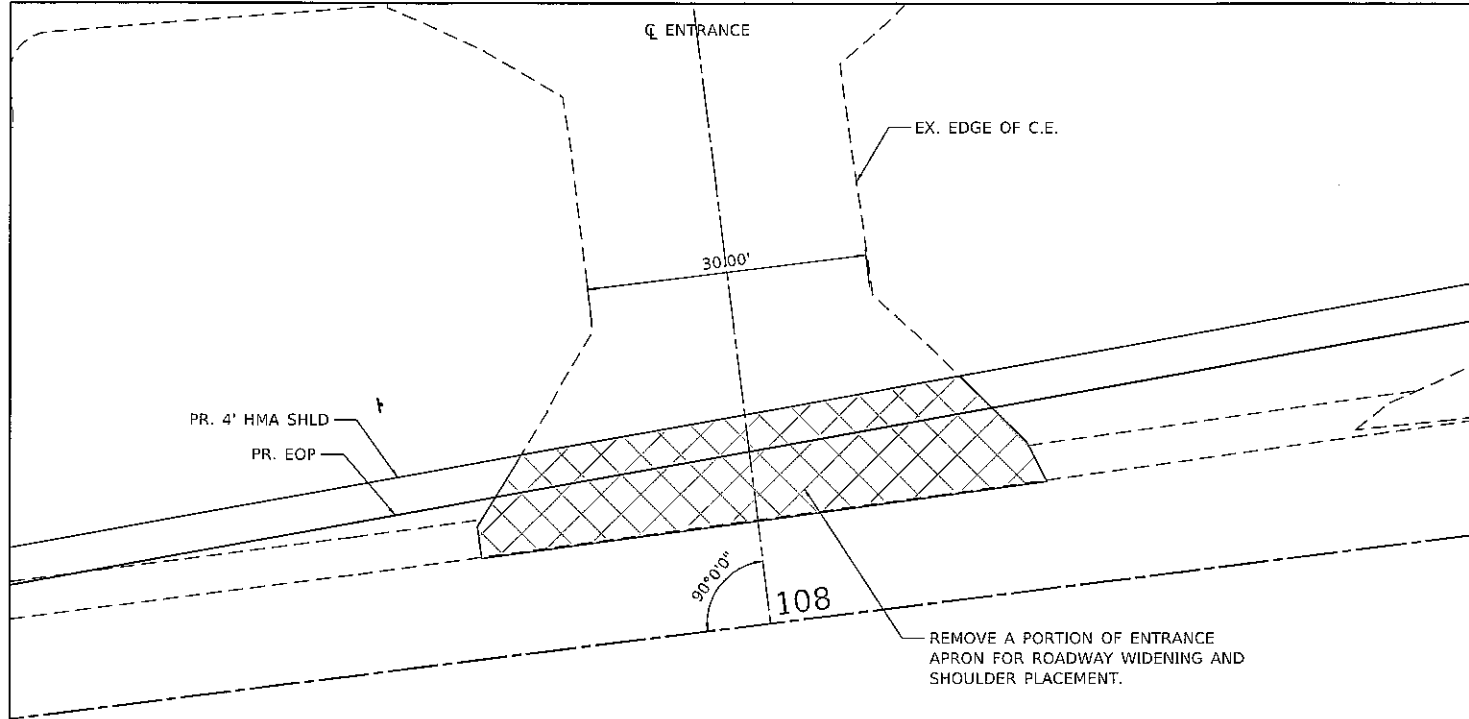
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| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 1/27/2020 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

MONROE COUNTY
 HIGHWAY DEPARTMENT

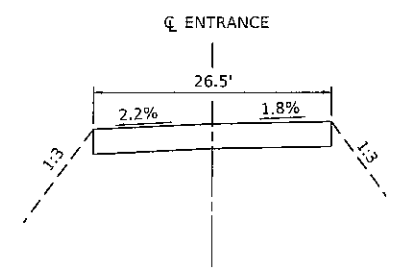
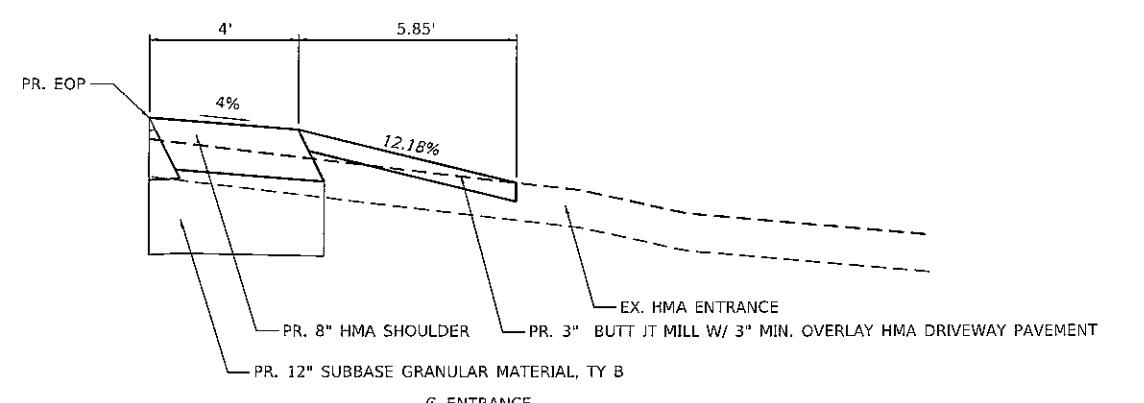
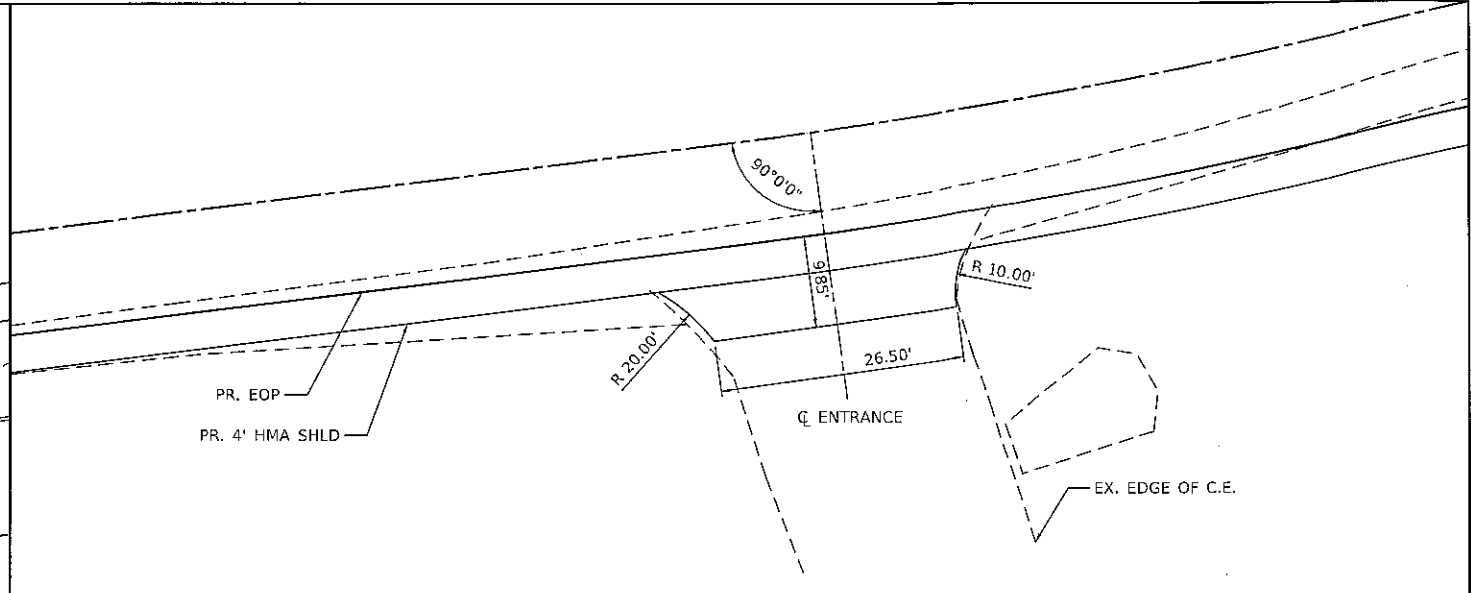
INTERSECTION DETAIL
 HANOVER ROAD - INTERSECTION WIDENING

SCALE: 1" = 10' SHEET OF SHEETS STA. 109+33.42 TO STA. 112+01.19

| F.A.S. RYE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 854 | 18-00052-04-PV | MONROE | 25 | 16 |
| CONTRACT NO. 97727 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



**STA. 108+01.12 LT
COMMERCIAL ENTRANCE DETAIL**



**STA. 109+37.79 RT
PRIVATE ENTRANCE DETAIL**

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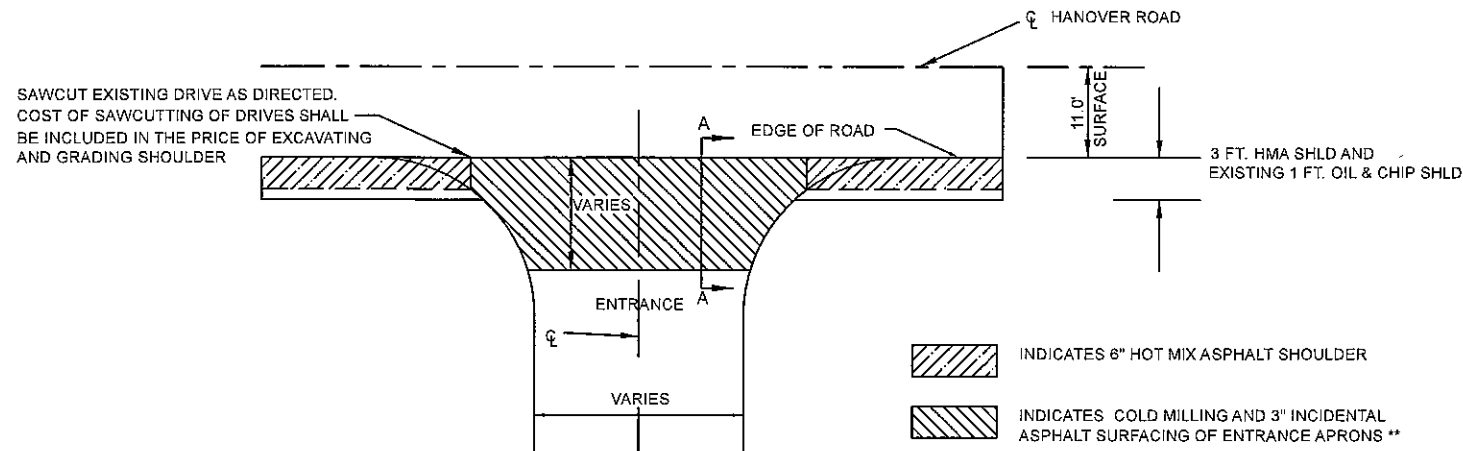
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| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 1/27/2020 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**MONROE COUNTY
HIGHWAY DEPARTMENT**

**MISCELLANEOUS DETAILS
ENTRANCE DETAILS**

SCALE: NTS SHEET OF SHEETS STA. TO STA.

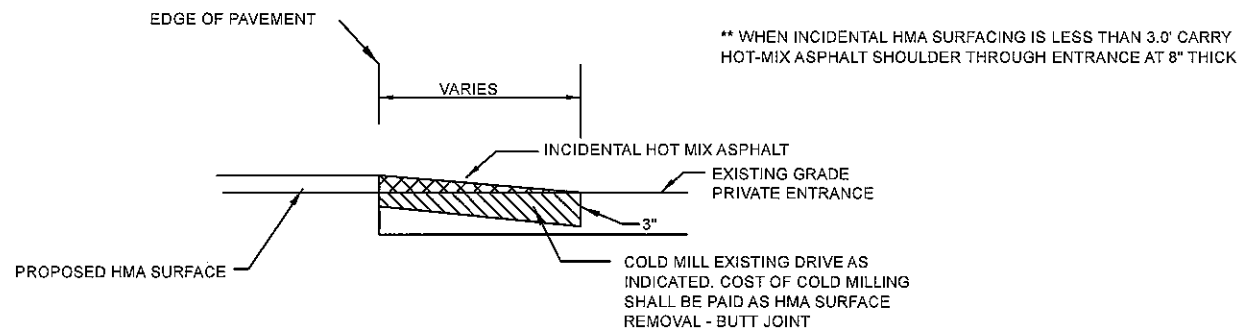
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|-------------|----------------|--------|--------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 854 | 18-00052-04-PV | MONROE | 25 | 17 |
| ILLINOIS | | | FED. AID PROJECT | |
| | | | CONTRACT NO. 97727 | |



INDICATES 6" HOT MIX ASPHALT SHOULDER

INDICATES COLD MILLING AND 3" INCIDENTAL ASPHALT SURFACING OF ENTRANCE APRONS **

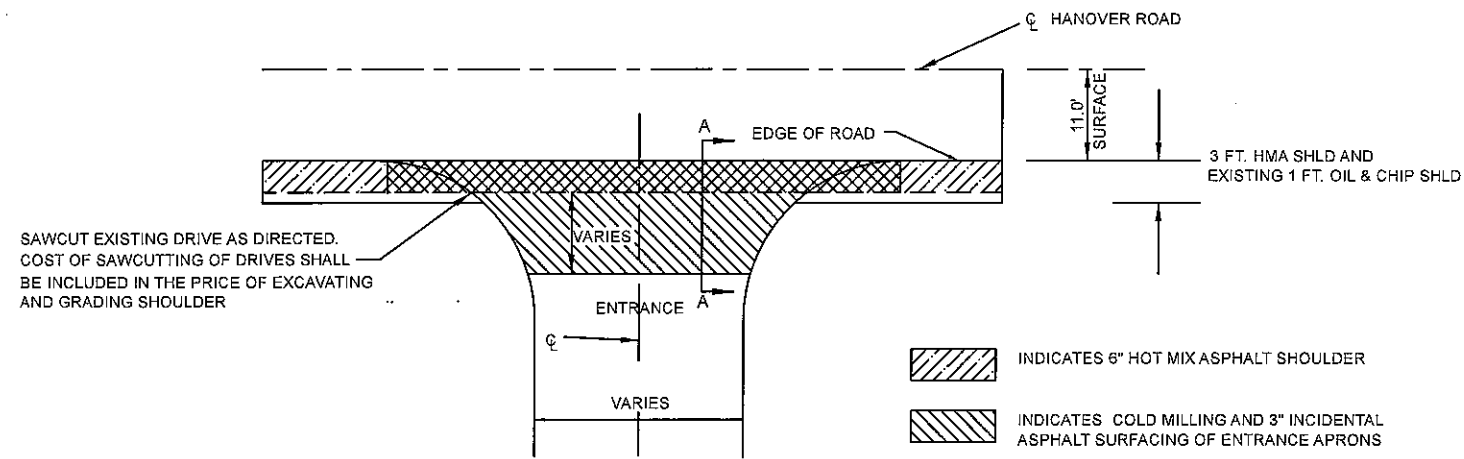
** WHEN INCIDENTAL HMA SURFACING IS LESS THAN 3.0' CARRY HOT-MIX ASPHALT SHOULDER THROUGH ENTRANCE AT 8" THICK



SECTION A-A
TYPICAL SECTION PRIVATE ENTRANCE
HOT MIX ASPHALT DRIVES

| ENTRANCE SCHEDULE | | | | | | | | |
|-------------------|-------|------------------|------------------|-------|--------|--------------------------------------|--|----------------------------------|
| LOCATION | SIDE | EXISTING SURFACE | TYPE OF ENTRANCE | WIDTH | LENGTH | INCIDENTAL HOT-MIX ASPHALT SURFACING | HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT | BITUMINOUS MATERIALS (TACK COAT) |
| STATION | LT/RT | | | FOOT | FOOT | TON | SQUARE YARD | LB |
| 109+37.79 | RT | ASPHALT | PRIVATE | 26.5 | 5.85 | 5.8 | 18.4 | 8.0 |
| 108+01.12 | LT | OIL & CHIP | COMMERCIAL | 30.0 | 0 | | | |
| 108+44.26 | RT | ASPHALT | PRIVATE | 42.0 | 3.0 | | | |
| 105+20.50 | RT | OIL & CHIP | PRIVATE | 74.0 | 0 | | | |
| 200+04.12 | LT | AGGREGATE | PRIVATE | 21.2 | 0 | | | |
| 204+60.92 | LT | ASPHALT | PRIVATE | 36.8 | 3.0 | | | |
| 205+88.75 | RT | OIL & CHIP | COMMERCIAL | 60.5 | 0 | | | |
| 209+05.87 | RT | OIL & CHIP | COMMERCIAL | 45.0 | 0 | | | |
| 211+23.52 | RT | ASPHALT | PRIVATE | 25.0 | 3.0 | | | |
| 212+86.42 | RT | CONCRETE | PRIVATE | 19.0 | 9.0 | 3.9 | 22.6 | 10.0 |
| 213+46.81 | RT | CONCRETE | PRIVATE | 19.0 | 9.0 | 3.9 | 22.6 | 10.0 |
| 214+51.37 | RT | ASPHALT | PRIVATE | 25.0 | 13.0 | 6.4 | 38.3 | 17.0 |
| 217+18.99 | RT | CONCRETE | PRIVATE | 12.0 | 16.0 | 6.4 | 37.3 | 17.0 |
| 218+47.74 | LT | AGGREGATE | PRIVATE | 60.0 | 0 | | | |
| 221+63.30 | LT | ASPHALT | PRIVATE | 38.0 | 5.0 | 3.4 | 20.1 | 9.0 |
| 225+36.98 | RT | AGGREGATE | PRIVATE | 37.6 | 0 | | | |
| 227+50.88 | RT | AGGREGATE | PRIVATE | 62.0 | 0 | | | |
| 230+96.03 | RT | ASPHALT | PRIVATE | 33.4 | 6.5 | 26.2 | 155.7 | 70.0 |
| 239+52.40 | LT | AGGREGATE | FIELD | 35.0 | 0 | | | |
| 243+14.91 | RT | AGGREGATE | PRIVATE | 43.4 | 0 | | | |
| 248+12.16 | RT | AGGREGATE | PRIVATE | 30.5 | 0 | | | |
| 249+84.42 | RT | AGGREGATE | PRIVATE | 30.0 | 0 | | | |
| 250+99.10 | LT | OIL & CHIP | PRIVATE | 56.4 | 0 | | | |
| 253+59.74 | RT | AGGREGATE | PRIVATE | 29.1 | 0 | | | |
| TOTAL | | | | | | 56.0 | 315.0 | 141.0 |

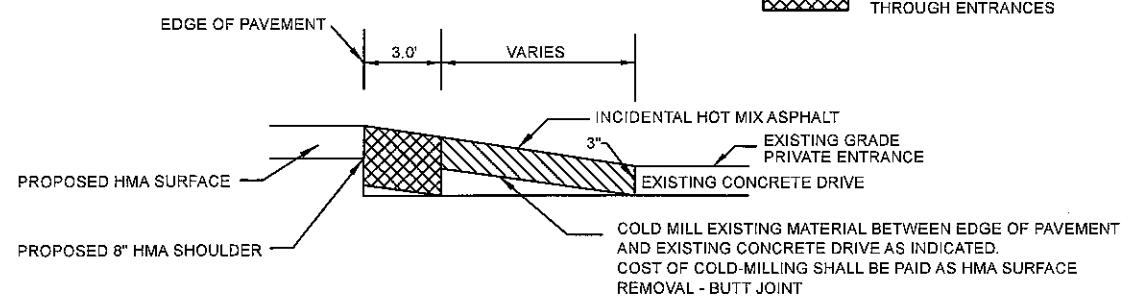
* REFER TO SHEET 17 FOR ENTRANCE DETAIL



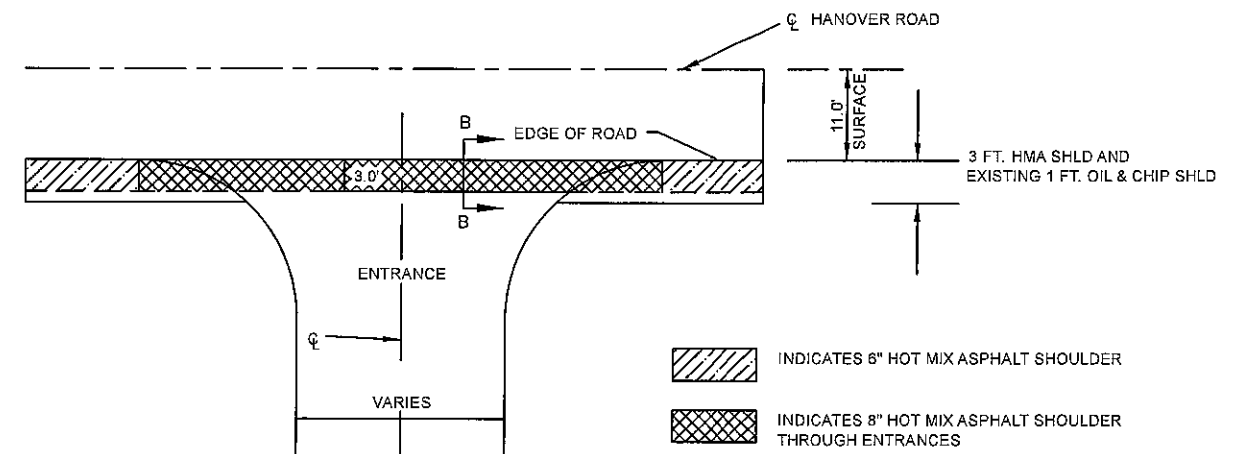
INDICATES 6" HOT MIX ASPHALT SHOULDER

INDICATES COLD MILLING AND 3" INCIDENTAL ASPHALT SURFACING OF ENTRANCE APRONS

INDICATES 8" HOT MIX ASPHALT SHOULDER THROUGH ENTRANCES

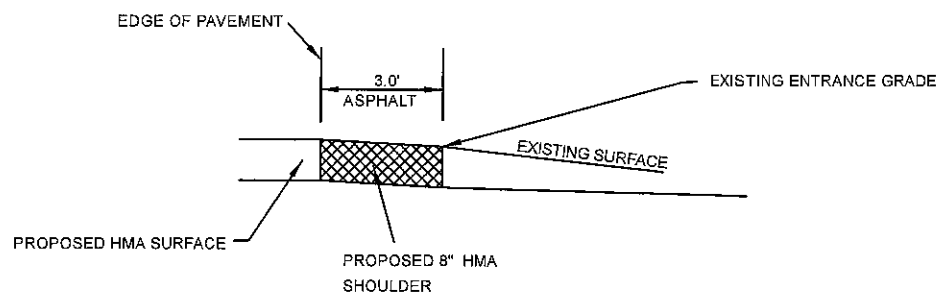


SECTION A-A
TYPICAL SECTION PRIVATE ENTRANCE
CONCRETE DRIVES



INDICATES 6" HOT MIX ASPHALT SHOULDER

INDICATES 8" HOT MIX ASPHALT SHOULDER THROUGH ENTRANCES



SECTION B-B
TYPICAL SECTION ENTRANCE
OIL & CHIP AND AGGREGATE DRIVES

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| | | | | | | | | | | |
|-----------------------------|------------|-----------|---|--------------------------------------|--------------|---------------------------|---------|--------|--------------|-----------|
| USER NAME = | DESIGNED - | REVISED - | MONROE COUNTY HIGHWAY DEPARTMENT | ENTRANCE SCHEDULE AND DETAILS | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| DRAWN - | REVISED - | 254 | | | | 18-0052.04-PV | MONROE | 25 | 18 | |
| PLOT SCALE = 100 000' / in. | CHECKED - | REVISED - | | | | CONTRACT NO. 97727 | | | | |
| PLOT DATE = | DATE - | REVISED - | | | | ILLINOIS FED. AID PROJECT | | | | |
| | | | SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. TO STA. | | | | | |

| EARTH EXCAVATION QUANTITIES | | | | | |
|-------------------------------|------------------|-----------------------------------|---------------------|--------------------------|--|
| LOCATION | EARTH EXCAVATION | EARTH EXCAVATION W/ 25% SHRINKAGE | EMBANKMENT REQUIRED | EARTH EXCAVATION BALANCE | EXCAVATING AND GRADING EXISTING SHOULDER |
| | CU YD | CU YD | CU YD | CU YD | UNIT |
| STA. 111+33.47 TO STA. 109+00 | 537 | 403 | 170 | 233 | |
| STA. 109+00 TO STA. 106+70.96 | 238 | 179 | 95 | 84 | |
| STA. 106+70.96 TO STA. 103+97 | | | | | 3 |
| STA. 200+00 TO STA. 257+22.17 | | | | | 114 |
| TOTAL | 775 | 582 | 265 | 317 | 117 |

*ALL EXCESS MATERIAL EXCAVATED SHALL BECOME PROPERTY OF THE CONTRACTOR. THE COST FOR HAULING AND DISPOSAL OF EXCESS MATERIAL SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION OR EXCAVATING AND GRADING EXISTING SHOULDER.

| HOT-MIX ASPHALT QUANTITIES | | | | | | | | | | |
|--|---|---------------------------------|--------------|----------------|------------------------|----------------------------------|------------------------------|--------------------------|----------------|---|
| LOCATION | HMA SURFACE COURSE, IL-9.5 MIX "D", N70 | HMA BINDER COURSE IL-9.5FG, N70 | HMA SHOULDER | HMA REMOVAL 1" | HMA REMOVAL BUTT-JOINT | BITUMINOUS MATERIALS (TACK COAT) | HMA BASE COURSE WIDENING, 8" | INCIDENTAL HMA SURFACING | TEMPORARY RAMP | INCIDENTAL BITUMINOUS MATERIALS (TACK COAT) |
| STA. -STA. | TON | TON | TON | SQ YD | SQ YD | LB | SQ YD | TON | SQ YD | LB |
| STA. 109+00 - STA. 111+33.47 | 136 | 0 | 77 | 598 | 224 | 547 | 362 | | 33 | |
| STA. 106+70.96 - STA. 109+00 | 81 | 0 | 71 | 551 | 0 | 326 | 175 | | | |
| STA. 103+97 - STA. 106+70.96 | 47 | 28 | 32 | 670 | 0 | 302 | 0 | | | |
| STA. 200+00 - STA. 257+22.17 | 979 | 588 | 1306 | 13988 | 98 | 6294 | 0 | | 7 | |
| ENTRANCE SCHEDULE QUANTITIES ON SHEET 18 | | | | | 315 | | | 56 | | 141 |
| TOTAL | 1243 | 616 | 1486 | 15807 | 637 | 7469 | 537 | 56 | 40 | 141 |

| DRAINAGE QUANTITIES | | | | | | |
|---------------------|--------|-------|----------------------|----------------------------------|---|-----------------------------------|
| LOCATION | OFFSET | SIDE | PIPE CULVERT REMOVAL | PIPE CULVERTS CLASS A TYPE 1 36" | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE | REMOVE EXISTING FLARE END SECTION |
| STATION | FOOT | LT/RT | FOOT | FOOT | EACH | EACH |
| 108+64.22 | 37.94 | LT | | 4 | 1 | 1 |
| 109+14.46 | 41.93 | LT | 59 | | | |
| | | TOTAL | 59 | 4 | 1 | 1 |

| AGGREGATE QUANTITIES | | |
|------------------------|-------|----------------------------------|
| LOCATION | SIDE | SUBBASE GRANULAR MATERIAL TYPE B |
| STATION TO STATION | LT/RT | TON |
| 108+43.12 TO 109+00 | RT | 25 |
| 109+00 TO 110+83.63 | RT | 139 |
| 110+83.63 TO 111+41.90 | RT | 58 |
| 106+70.96 TO 107+07.31 | LT | 21 |
| 107+07.31 TO 109+00 | LT | 172 |
| 109+00 TO 110+50 | LT | 165 |
| 110+50 TO 111+29.54 | LT | 53 |
| | TOTAL | 633 |

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| USER NAME = | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,000' / in. | CHECKED - | REVISED - |
| PLOT DATE = | DATE - | REVISED - |

MONROE COUNTY
HIGHWAY DEPARTMENT

SCHEDULE OF QUANTITIES

SCALE: NA SHEET 1 OF 2 SHEETS STA. TO STA.

| | | | | |
|------------------------|------------------------|---------------|---------------------------|--------------|
| F.A.S. RTE. 854 C.H.B. | SECTION 18-00052-04-PV | COUNTY MONROE | TOTAL SHEETS 25 | SHEET NO. 19 |
| CONTRACT NO. 97727 | | | ILLINOIS FED. AID PROJECT | |

| EROSION CONTROL AND SEEDING QUANTITIES | | | | | | |
|--|-------|------------------------|---------------------------|---------------------------|---------------------------|----------------|
| LOCATION | SIDE | TEMPORARY DITCH CHECKS | PERIMETER EROSION BARRIER | INLET AND PIPE PROTECTION | SEEDING CLASS 2 (SPECIAL) | MULCH METHOD 2 |
| STATION TO STATION | LT/RT | FOOT | FOOT | EACH | ACRE | ACRE |
| 106+70.96 TO 108+00 | LT | | | | 0.01 | 0.01 |
| 106+70.96 TO 108+00 | RT | | | | 0.00 | 0.00 |
| 108+00 TO 109+50 | LT | | | 1 | 0.10 | 0.10 |
| 108+00 TO 109+50 | RT | | | | 0.01 | 0.01 |
| 109+50 TO 111+33.47 | LT | 18 | | | 0.11 | 0.11 |
| 109+50 TO 111+33.47 | RT | | 205 | 1 | 0.02 | 0.02 |
| | | | | | | |
| | TOTAL | 18 | 205 | 2 | 0.25 | 0.25 |

| SIGNING QUANTITIES | | | | | | |
|--------------------|--------|-------|-------------------|-------------------------------------|---------------------------------------|---------------------------------|
| LOCATION | OFFSET | SIDE | SIGN PANEL TYPE 1 | REMOVE SIGN PANEL ASSEMBLY - TYPE A | RELOCATE SIGN PANEL ASSEMBLY - TYPE A | TELESCOPING STEEL SIGN SUPPORTS |
| STATION | FOOT | LT/RT | SQ FT | EACH | EACH | FOOT |
| 107+62.63 | 28.56 | LT | | | 1 | |
| 108+00.75 | 23.9 | RT | 6.25 | | | 12 |
| 109+14.46 | 30.0 | LT | | 4 | | |
| 111+01.56 | 24.8 | RT | | | 1 | |
| 111+10.06 | 28.8 | RT | | | 1 | |
| | | | | | | |
| | | TOTAL | 6.25 | 4 | 3 | 12 |

| TEMPORARY PAVEMENT MARKING | | | | | | | | | | | | |
|----------------------------------|-----------------------------|-------------------------------------|--------------------------------------|--------------|-------------|-----------------|--|-------------------------------------|------------------------------------|-------------------------------------|------------------------------------|------|
| LOCATION | SHORT TERM PAVEMENT MARKING | SHORT TERM PAVEMENT MARKING REMOVAL | TEMPORARY PAVEMENT MARKING - LINE 4" | | | | TEMPORARY PAVEMENT MARKING LETTERS & SYMBOLS | TEMPORARY PAVEMENT MARKING LINE 24" | TEMPORARY PAVEMENT MARKING LINE 8" | TEMPORARY PAVEMENT MARKING LINE 12" | TEMPORARY PAVEMENT MARKING REMOVAL | |
| | | | YELLOW SKIP-DASH | YELLOW SOLID | WHITE SOLID | WHITE SKIP-DASH | | | | | | FOOT |
| STA. 111+33.47 TO STA. 106+70.96 | 238 | 31.7 | | 908 | 1251 | 50 | 72.8 | 24 | 245 | 250 | 1244.4 | |
| STA. 106+70.96 TO STA. 103+97 | 82 | 9.2 | | 548 | 548 | | | | | | 365.3 | |
| STA. 200+00 TO STA. 234+20 | 1026 | 114 | | 6840 | 6840 | | | | | | 4560.0 | |
| STA. 234+20 TO STA. 240+20 | 180 | 20 | 150 | 600 | 1200 | | | | | | 650.0 | |
| STA. 240+20 TO STA. 249+00 | 264 | 29.4 | | 1760 | 1760 | | | | | | 1173.3 | |
| STA. 249+00 TO STA. 257+22.17 | 248 | 27.7 | 210 | 822 | 1644 | | | | | | 892.0 | |
| | | | | | | | | | | | | |
| SUBTOTAL | | | 360 | 11478 | 13243 | 50 | | | | | | |
| TOTAL | 2038 | 232 | | | | | 72.8 | 24 | 245 | 250 | 8885 | |

| PERMANENT PAVEMENT MARKING | | | | | | | | | | | | |
|----------------------------------|--|--------------|-------------|-----------------|--|---|--|---|------------------------------------|-------------|-----------------------------------|------|
| LOCATION | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | | | | THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS | THERMOPLASTIC PAVEMENT MARKING LINE 24" | THERMOPLASTIC PAVEMENT MARKING LINE 8" | THERMOPLASTIC PAVEMENT MARKING LINE 12" | RAISED REFLECTIVE PAVEMENT MARKERS | | PAVEMENT MARKING REMOVAL GRINDING | |
| | YELLOW SKIP-DASH | YELLOW SOLID | WHITE SOLID | WHITE SKIP-DASH | | | | | 2-WAY AMBER | 1-WAY WHITE | | FOOT |
| STA. 111+33.47 TO STA. 106+70.96 | | 908 | 1251 | 50 | 72.8 | 24 | 245 | 250 | 12 | 21 | 308 | |
| STA. 106+70.96 TO STA. 103+97 | | 548 | 548 | | | | | | 3 | | | |
| STA. 200+00 TO STA. 234+20 | | 6840 | 6840 | | | | | | 43 | | | |
| STA. 234+20 TO STA. 240+20 | 150 | 600 | 1200 | | | | | | 8 | | | |
| STA. 240+20 TO STA. 249+00 | | 1760 | 1760 | | | | | | 11 | | | |
| STA. 249+00 TO STA. 257+22.17 | 210 | 822 | 1644 | | | | | | 10 | | | |
| | | | | | | | | | | | | |
| SUBTOTAL | 360 | 11478 | 13243 | 50 | | | | | 87 | 21 | | |
| TOTAL | | | 25131 | | 72.8 | 24 | 245 | 250 | | 108 | 308 | |

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| USER NAME = | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,000' / in. | CHECKED - | REVISED - |
| PLOT DATE = | DATE - | REVISED - |

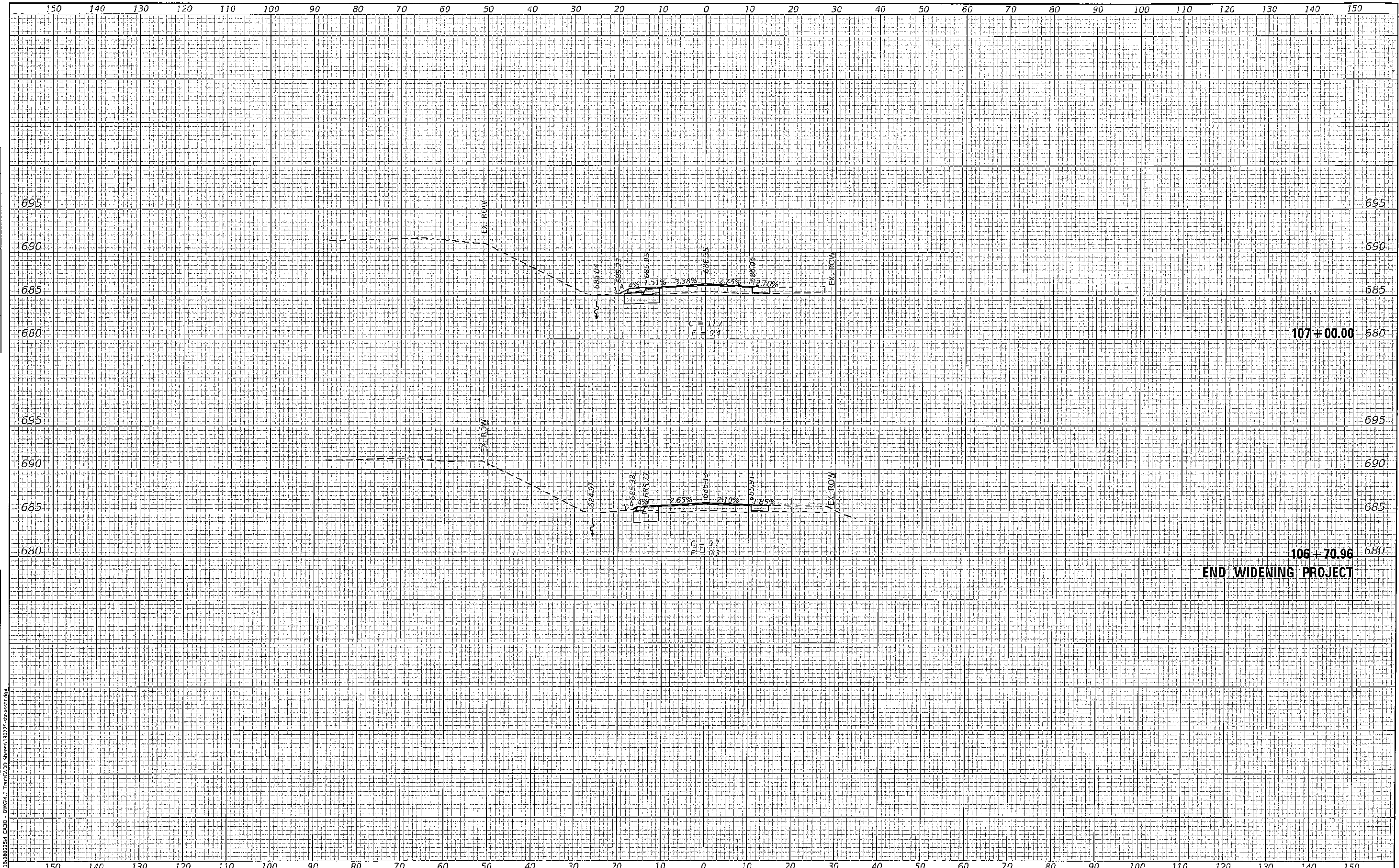
MONROE COUNTY
HIGHWAY DEPARTMENT

| | | | |
|------------------------|---------|-------------|--------------|
| SCHEDULE OF QUANTITIES | | | |
| SCALE: NA | SHEET 2 | OF 2 SHEETS | STA. TO STA. |

| | | | | |
|------------------------|------------------------|---------------|---------------------------|--------------|
| F.A.S. RTE. 854 C.H.B. | SECTION 18-00052-04-PV | COUNTY MONROE | TOTAL SHEETS 25 | SHEET NO. 20 |
| CONTRACT NO. 97727 | | | ILLINOIS FED. AID PROJECT | |

| | |
|---------------|------|
| FINAL SURVEY | DATE |
| FLORIDA | BY |
| NOTE BOOK | |
| AREAS CHECKED | |
| NO. | |

| | |
|-----------------|------|
| ORIGINAL SURVEY | DATE |
| FLORIDA | BY |
| NOTE BOOK | |
| AREAS CHECKED | |
| NO. | |



107+00.00
106+70.96
END WIDENING PROJECT



| | | |
|-----------------------------|------------|-----------|
| USER NAME = mschwiler/ohn | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 1/27/2020 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

MONROE COUNTY
HIGHWAY DEPARTMENT

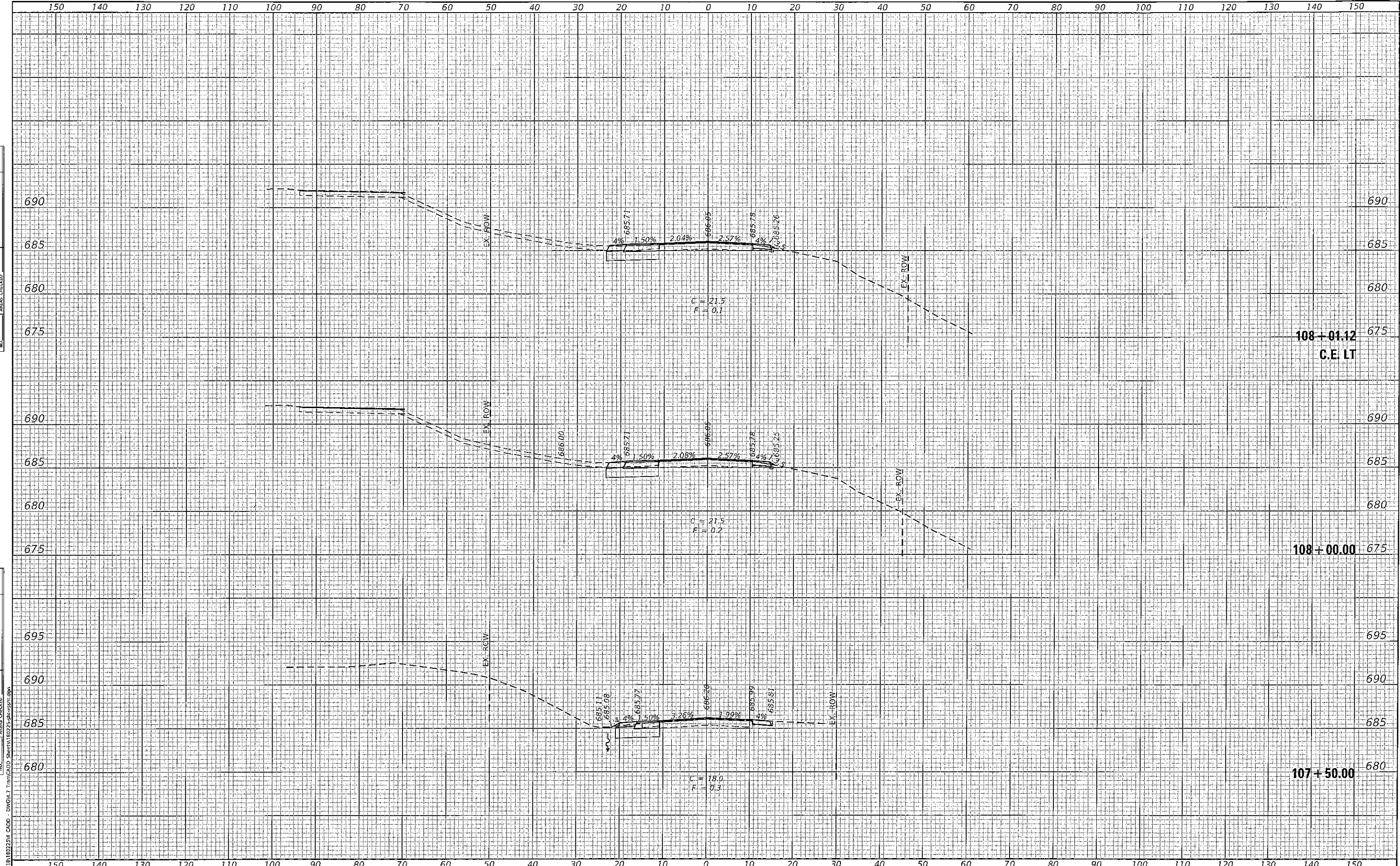
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|--------------------------------------|--|
| CROSS SECTIONS | |
| HANOVER ROAD - INTERSECTION WIDENING | |
| SCALE: 1"=10' | SHEET OF SHEETS STA. 106+70.96 TO STA. 107+00.00 |

| | | | | |
|---------------------------|------------------------|---------------|-----------------|--------------|
| F.A.S. RTE. 854 | SECTION 18-00052-04-PV | COUNTY MONROE | TOTAL SHEETS 25 | SHEET NO. 21 |
| CONTRACT NO. 97727 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| DATE | |
| BY | |
| FINAL SURVEY | |
| PLOTTED | |
| NOTE BOOK | |
| AREAS CHECKED | |
| NO. | |

| | |
|-----------------|--|
| DATE | |
| BY | |
| ORIGINAL SURVEY | |
| PLOTTED | |
| NOTE BOOK | |
| AREAS CHECKED | |
| NO. | |



| | | |
|-----------------------------|------------|-----------|
| USER NAME = mschwierjohn | DESIGNED - | REVISED - |
| PLOT SCALE = 20,0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 1/27/2020 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**MONROE COUNTY
HIGHWAY DEPARTMENT**

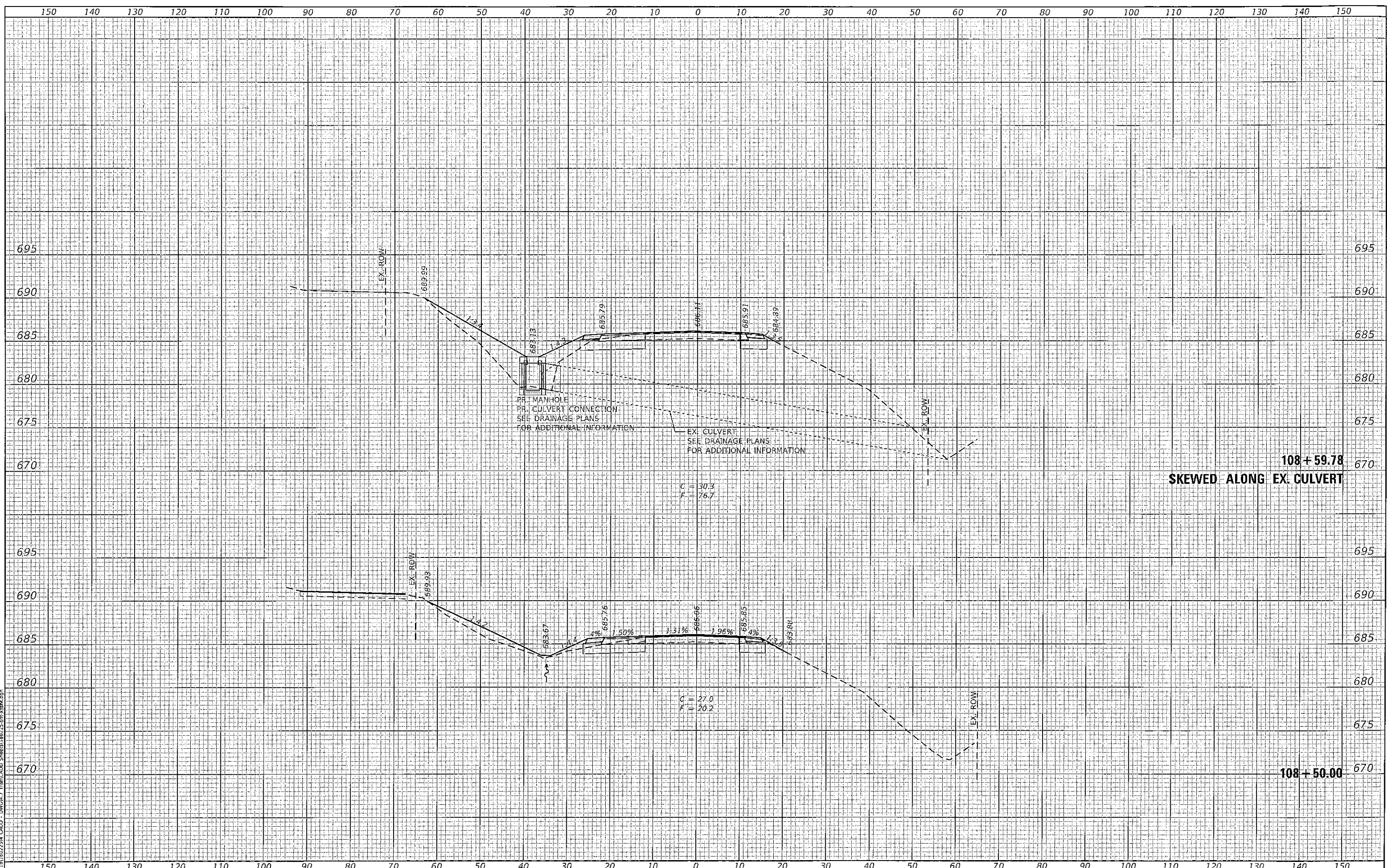
**CROSS SECTIONS
HANOVER ROAD - INTERSECTION WIDENING**

SCALE: 1"=10' SHEET OF SHEETS STA. 107+50.00 TO STA. 108+01.12

| | | | | |
|--------------------|------------------------|---------------|---------------------------|--------------|
| F.A.S. RTE. 854 | SECTION 18-00052-04-PV | COUNTY MONROE | TOTAL SHEETS 25 | SHEET NO. 22 |
| CONTRACT NO. 97727 | | | ILLINOIS FED. AID PROJECT | |

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|---------------|--|
| DATE | |
| BY | |
| FINAL SURVEY | |
| SURVEYED | |
| PLOTTED | |
| NOTE BOOK | |
| AREAS CHECKED | |
| NO. | |

| | |
|-----------------|--|
| DATE | |
| BY | |
| ORIGINAL SURVEY | |
| SURVEYED | |
| PLOTTED | |
| NOTE BOOK | |
| AREAS CHECKED | |
| NO. | |



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| | | |
|-----------------------------|------------|-----------|
| USER NAME = mschwiegerjohn | DESIGNED - | REVISED - |
| PLOT SCALE = 20,0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 1/27/2020 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

MONROE COUNTY
 HIGHWAY DEPARTMENT

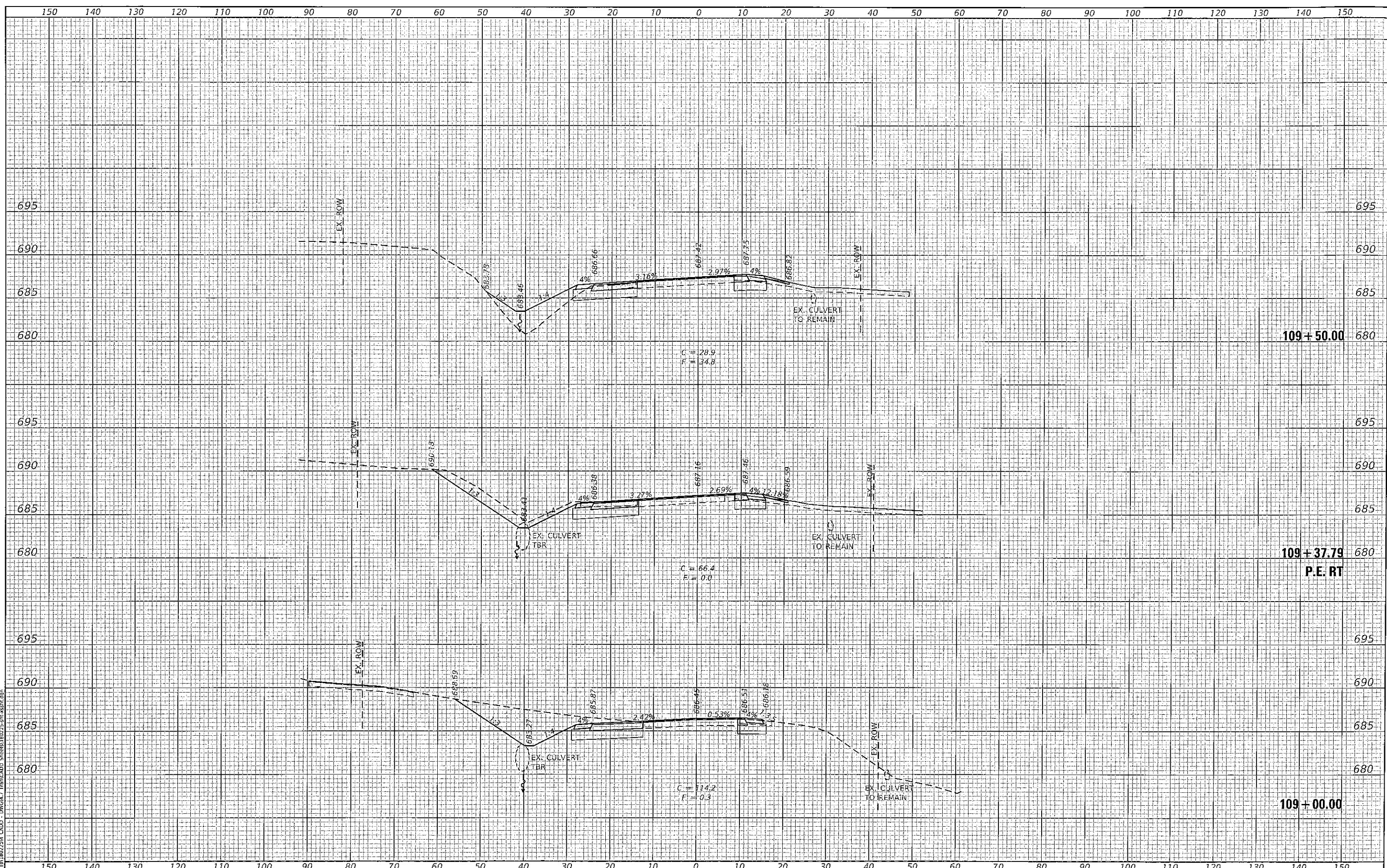
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| CROSS SECTIONS | |
| HANOVER ROAD - INTERSECTION WIDENING | |
| SCALE: 1"=10' | SHEET OF SHEETS |
| STA. 108+50.00 | TO STA. 108+59.78 |

| | | | | |
|---------------------------|------------------------|---------------|--------------------|--------------|
| F.A.S. RTE. 854 | SECTION 18-00052-04-PV | COUNTY MONROE | TOTAL SHEETS 25 | SHEET NO. 23 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 97727 | |

| | |
|---------------|--|
| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| NOTE BOOK | |
| AREAS CHECKED | |
| NO. | |

| | |
|---------------|--|
| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| NOTE BOOK | |
| AREAS CHECKED | |
| NO. | |

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| | | |
|-----------------------------|------------|-----------|
| USER NAME = mschwiejohn | DESIGNED - | REVISED - |
| PLOT SCALE = 20,0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 1/27/2020 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

MONROE COUNTY
 HIGHWAY DEPARTMENT

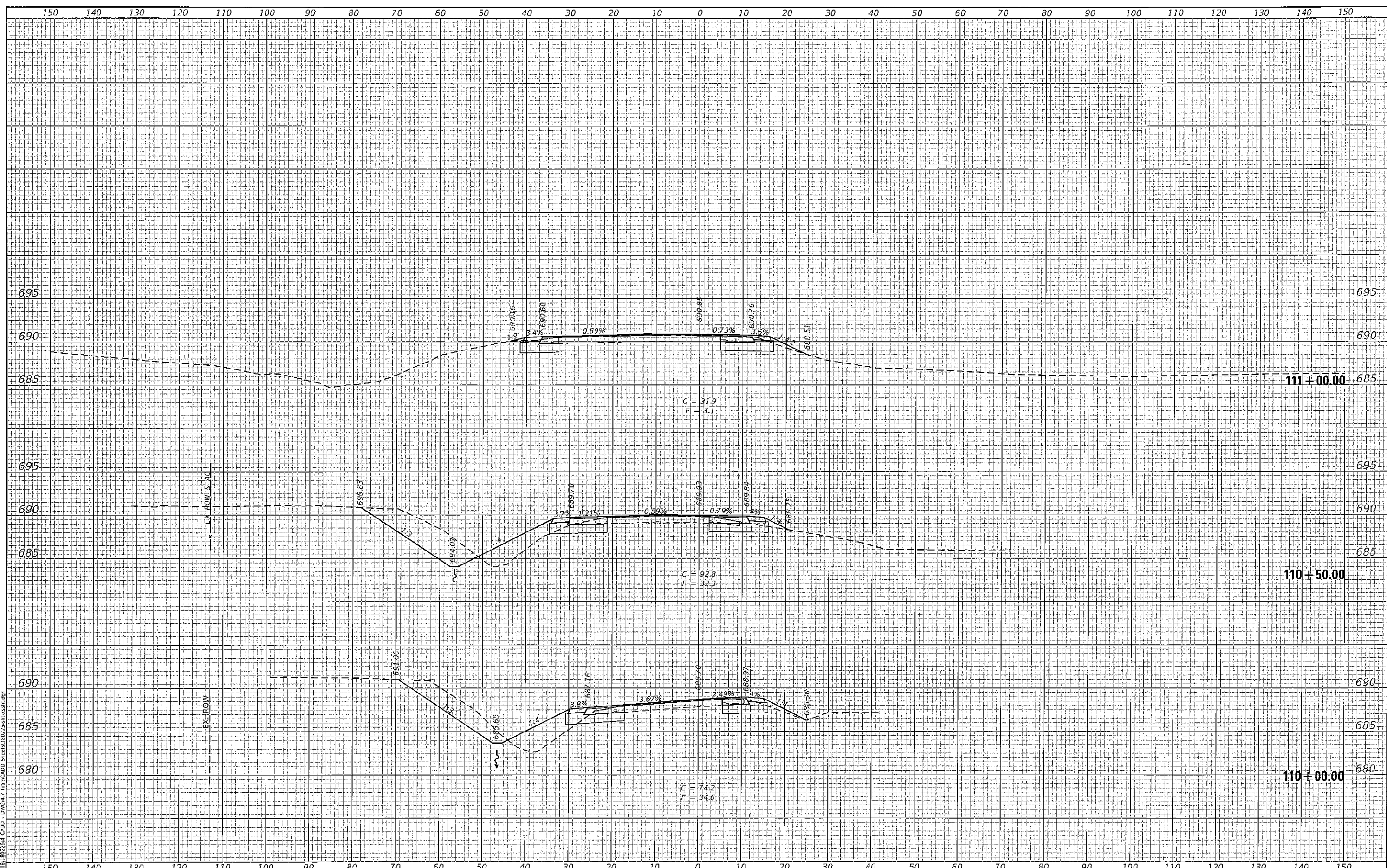
CROSS SECTIONS
 HANOVER ROAD - INTERSECTION WIDENING
 SCALE: 1"=10' SHEET OF SHEETS STA. 109+00.00 TO STA. 109+50.00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------------|-----------|
| 854 | 18-00052-04-PV | MONROE | 25 | 24 |
| | | | CONTRACT NO. 97727 | |
| ILLINOIS FED. AID PROJECT | | | | |

| | |
|------------------|--|
| DATE | |
| BY | |
| FINAL SURVEY NO. | |
| SURVEYED PLOTTED | |
| NOTE BOOK | |
| AREAS CHECKED | |

| | |
|---------------------|--|
| DATE | |
| BY | |
| ORIGINAL SURVEY NO. | |
| SURVEYED PLOTTED | |
| NOTE BOOK | |
| AREAS CHECKED | |

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| | | |
|-----------------------------|------------|-----------|
| USER NAME = mschwlejohn | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 1/27/2020 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

MONROE COUNTY
HIGHWAY DEPARTMENT

CROSS SECTIONS
HANOVER ROAD - INTERSECTION WIDENING

SCALE: 1"=10' SHEET OF SHEETS STA. 110+00.00 TO STA. 111+00.00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------------|-----------|
| 854 | 18-00052-04-PV | MONROE | 25 | 25 |
| | | | CONTRACT NO. 97727 | |
| ILLINOIS FED. AID PROJECT | | | | |