

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 721	05-00111-00-RS	FAYETTE	7	1
FEDERAL AID PROJECT		ILLINOIS	PROJECT RS-0721 (221)	CONTRACT NO. 95645

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES AND SUMMARY OF QUANTITIES
- 3 OVERALL PLAN
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- 5 MISCELLANEOUS INTERSECTION DETAILS AND SCHEDULE
- 6 MISCELLANEOUS SCHEDULES AND DETAILS
- 7 ENLARGED PLANS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID SECONDARY PROJECT
F.A.S. ROUTE 721 - C.H. 1 (STR FUNDS)
SECTION 05-00111-00-RS
PROJECT NO. RS-0721 (221)
JOB NO. C-97-032-11
FAYETTE COUNTY**

STANDARDS

- STANDARD 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- STANDARD 420001-07 PAVEMENT JOINT
- STANDARD 442201-03 CLASS C AND D PATCHES
- STANDARD 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- STANDARD 701306-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- STANDARD 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS -DAY ONLY
- STANDARD 701336-06 LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
- STANDARD 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- STANDARD 701901-01 TRAFFIC CONTROL DEVICES
- STANDARD 780001-02 TYPICAL PAVEMENT MARKINGS

UTILITIES

TYPE	NAME OF UTILITY	PHONE NO.
ELECTRIC	AMEREN IP - (SOUTH)	618-236-6281
	SOUTHWESTERN ELECTRIC COOP	618-664-1025
GAS	AMEREN IP - (SOUTH)	618-236-6281
WATER	VILLAGE OF FILLMORE	217-538-2470
	VILLAGE OF RAMSEY	618-423-2019
TELEPHONE	A.T.&T. DISTRIBUTION	630-552-9785
	FRONTIER COMMUNICATIONS	402-250-1095
CABLE	NEW WAVE COMMUNICATIONS	217-287-7992
SEWER	VILLAGE OF FILLMORE	217-538-2470
	VILLAGE OF RAMSEY	618-423-2019



48 HOURS PRIOR TO EXCAVATION CALL J.U.L.I.E.:
811 OR 1-800-892-0123

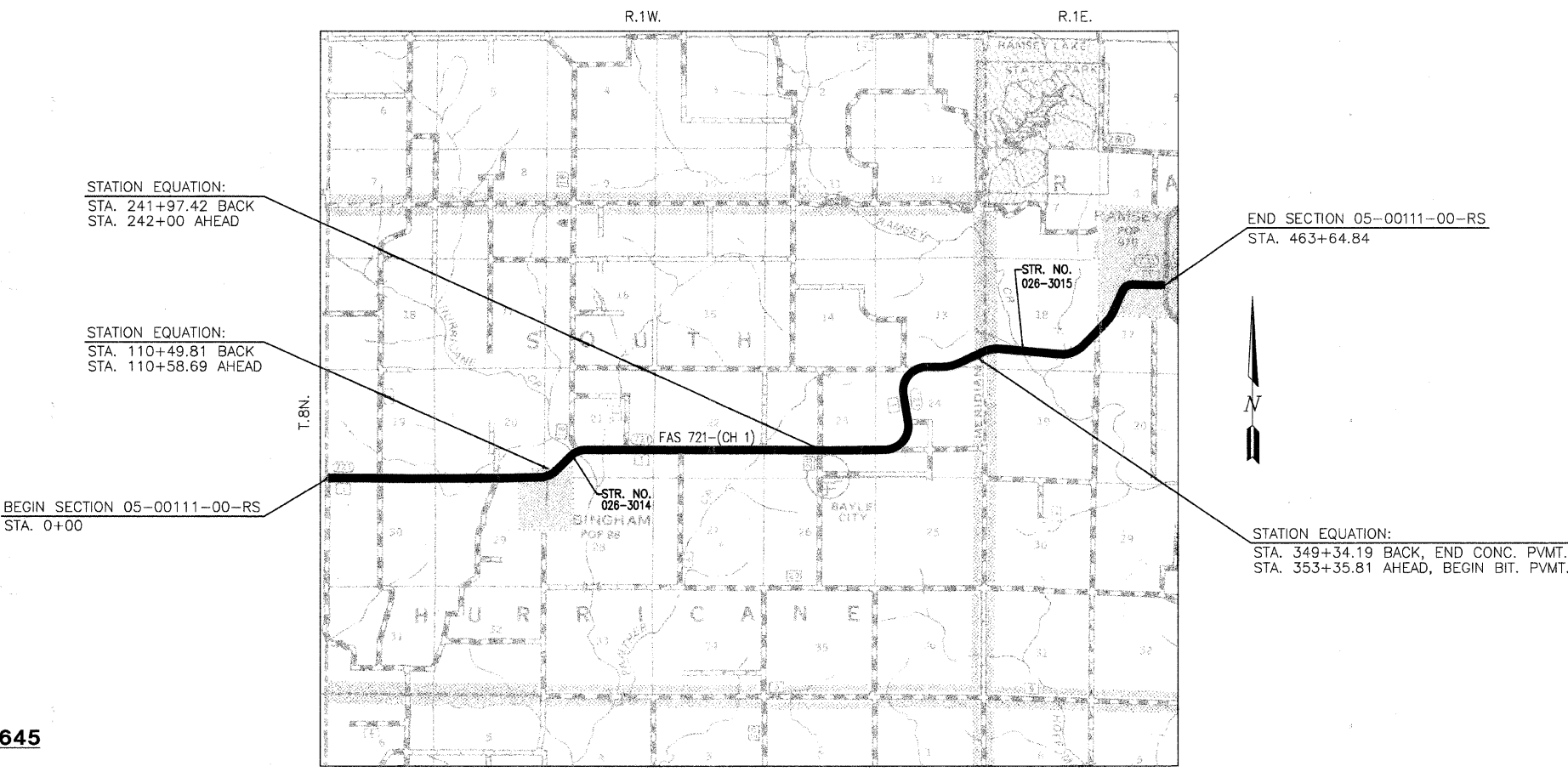
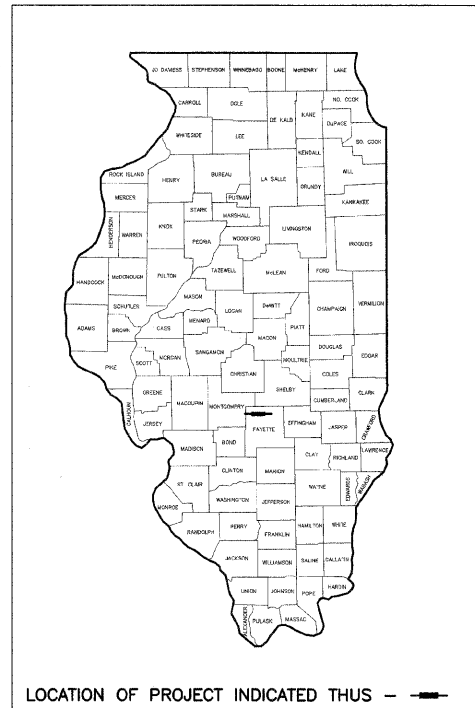
DESIGN CLASSIFICATION: RURAL MAJOR COLLECTOR
RURAL SECTION
A.D.T.(2011) = 900
A.D.T.(2031) = 1050
DESIGN SPEED = 50MPH(LEVEL) 40MPH(ROLLING)
URBAN SECTION
A.D.T.(2011) = 2100
A.D.T.(2031) = 2500
DESIGN SPEED = 30MPH(LEVEL)

CONTRACT NO. 95645

RHUTASEL and ASSOCIATES, INC.
CONSULTING ENGINEERS • LAND SURVEYORS
CENTRALIA, ILLINOIS FREEBURG, ILLINOIS



PREPARED FOR:
AECOM
DATE: FEBRUARY 14, 2011
RHUTASEL JOB NO. 51810



LOCATION MAP
APPROXIMATE SCALE - 1" = 0.70 MILE
NET LENGTH OF IMPROVEMENTS - 45,951.76 FEET = 8.703 MILE

FAYETTE COUNTY HIGHWAY DEPARTMENT

APPROVED 2-15, 2011
Michael W. [Signature]
FAYETTE COUNTY ENGINEER

PASSED 2/24, 2011
Margaret [Signature]
DISTRICT SEVEN ENGINEER OF LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review 2/24, 2011
Roger L. [Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

GARY L. HAHN
62-42606
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS

Gary L. Hahn 02-15-11
GARY L. HAHN
CENTRALIA, ILLINOIS
ILLINOIS LICENSED PROFESSIONAL ENGINEER NO. 62-42606
EXPIRES NOV. 30, 2011

GENERAL NOTES

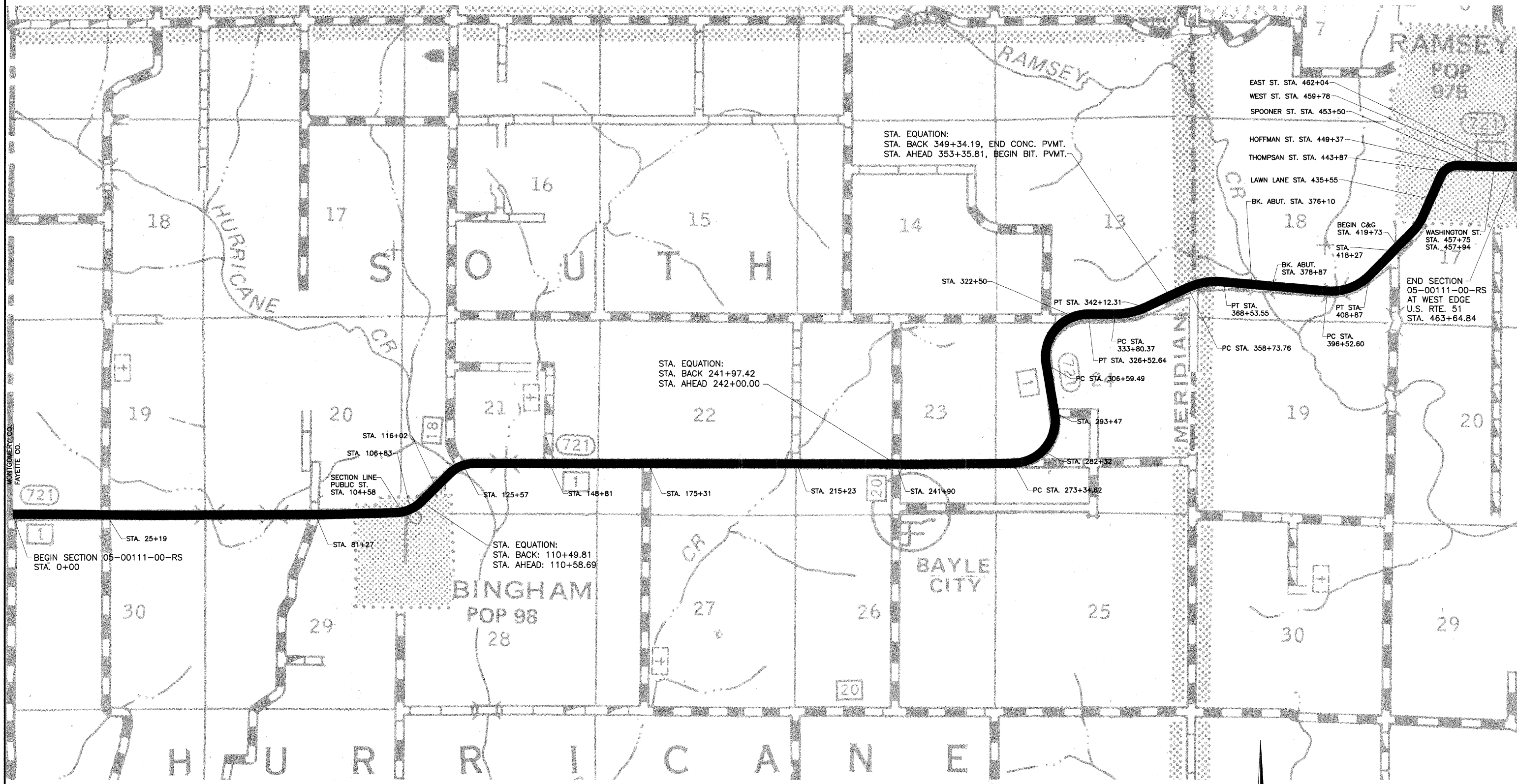
- ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE SPECIAL PROVISIONS AND THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007.
- THE THICKNESS OF THE HOT-MIX ASPHALT SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE ON WHICH THE HOT-MIX ASPHALT IS PLACED.
- FACTORS USED FOR QUANTITY CALCULATIONS ARE AS FOLLOWS:
 ALL HOT-MIX ASPHALT = 0.056 TONS/SQ.YD./INCH
 BITUMINOUS MATERIALS (PRIME COAT) = 0.075 GAL./SQ.YD.
 JOINT OR CRACK FILLING = 0.284 LBS/FOOT
- THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES AND VALVES LOCATED WITHIN THE RESURFACING LIMITS, THAT ARE TO BE ADJUSTED. CARE SHALL BE TAKEN IN THESE LOCATIONS TO ENSURE THESE ITEMS ARE NOT DAMAGED.
- AN ESTIMATED 1618 TONS OF HOT-MIX ASPHALT MATERIAL WILL BE REMOVED DURING THIS PROJECT. 241 TONS ARE ESTIMATED TO BE SALVAGED AND UTILIZED AS AGGREGATE WEDGE SHOULDER, TYPE B AND AGGREGATE WEDGE SURFACE IN UN-IMPROVED ENTRANCES. THE REMAINING EXCESS MATERIAL SHALL BE SALVAGED TO THE COUNTY HIGHWAY DEPARTMENT OFFICE / YARD.
- PLAN DETAILS ARE NOT DRAWN TO SCALE AND SHOULD NOT BE UTILIZED FOR MEASUREMENT PURPOSES.
- SHORT TERM PAVEMENT MARKINGS - PLACE PAINT ON AREAS OF MILLING AND PLACE TAPE ON AREAS OF LEVELING BINDER AND SURFACE COURSE.

SUMMARY OF QUANTITIES

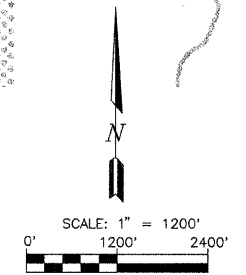
CODE NO.	PAY ITEM	UNIT	QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	2221
40600535	LEVELING BINDER (HAND METHOD), N70	TON	4
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	682
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ. YD.	1236
40600990	TEMPORARY RAMP	SQ. YD.	227
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2397
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	81
44000154	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SQ. YD.	12,596
44201301	CLASS C PATCHES, TY. I, 6 INCH	SQ. YD.	35
44201305	CLASS C PATCHES, TY. II, 6 INCH	SQ. YD.	155
44201309	CLASS C PATCHES, TY. III, 6 INCH	SQ. YD.	170
44201311	CLASS C PATCHES, TY. IV, 6 INCH	SQ. YD.	590
44201785	CLASS D PATCHES, TY. I, 12 INCH	SQ. YD.	15
44201789	CLASS D PATCHES, TY. II, 12 INCH	SQ. YD.	50
44201794	CLASS D PATCHES, TY. III, 12 INCH	SQ. YD.	20
44201796	CLASS D PATCHES, TY. IV, 12 INCH	SQ. YD.	360
44213198	TIE BARS 1/2"	EACH	165
45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	100
45200300	JOINT OR CRACK FILLING	POUND	3410
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	241
56109210	WATER VALVES TO BE ADJUSTED	EACH	10
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	5
67100100	MOBILIZATION	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1078
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ. FT.	359
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	132,176
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	119
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ. YD.	15,566

* SPECIALTY ITEMS

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FAS 721	05-00111-00-RS	FAYETTE	7	3
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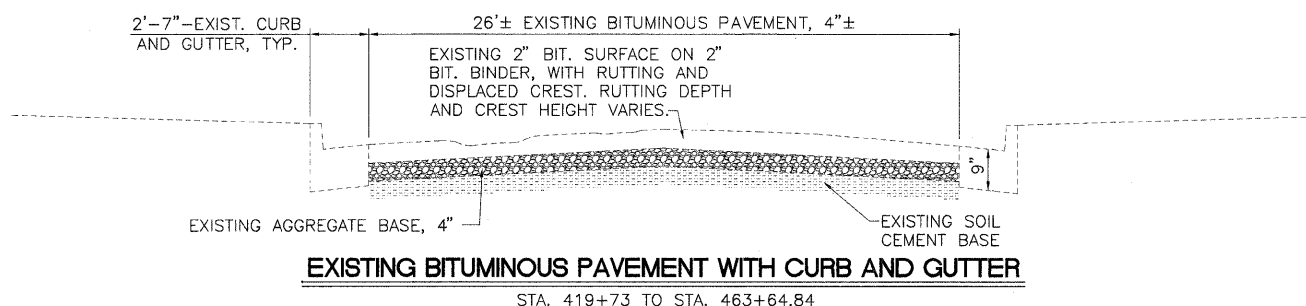
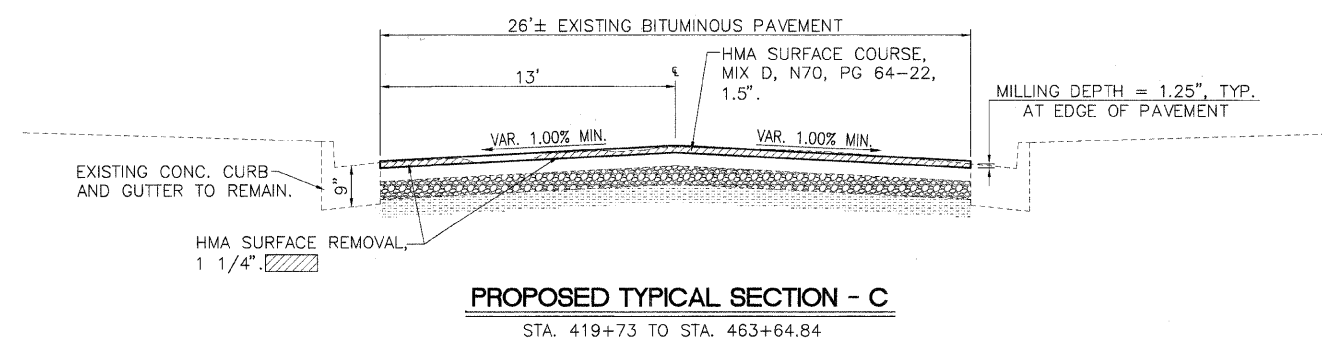
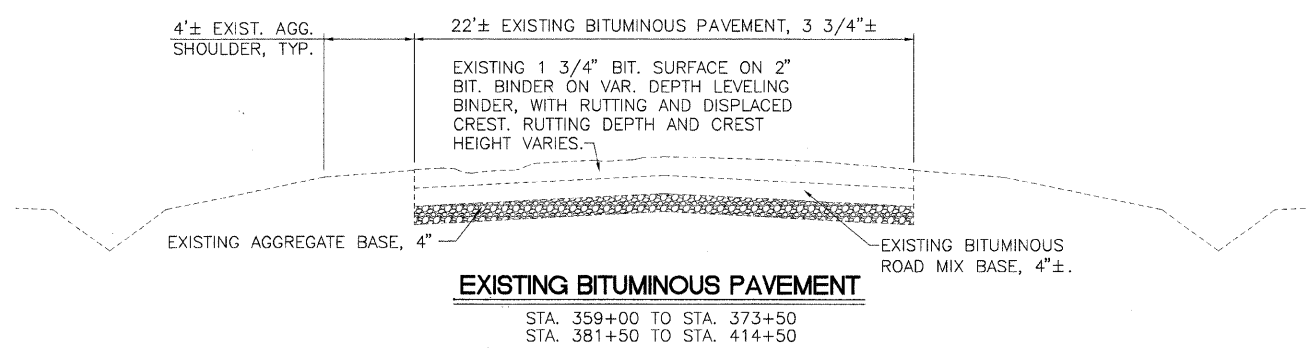
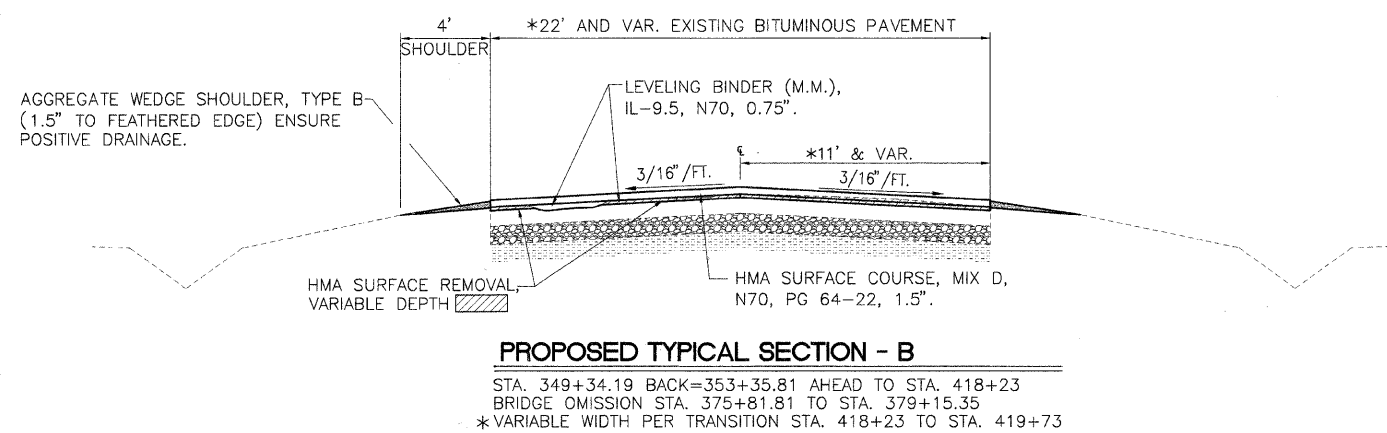
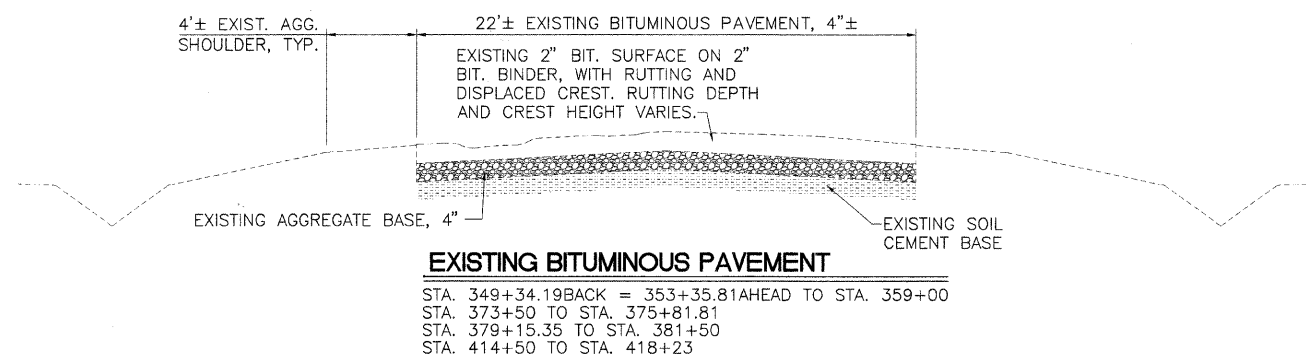
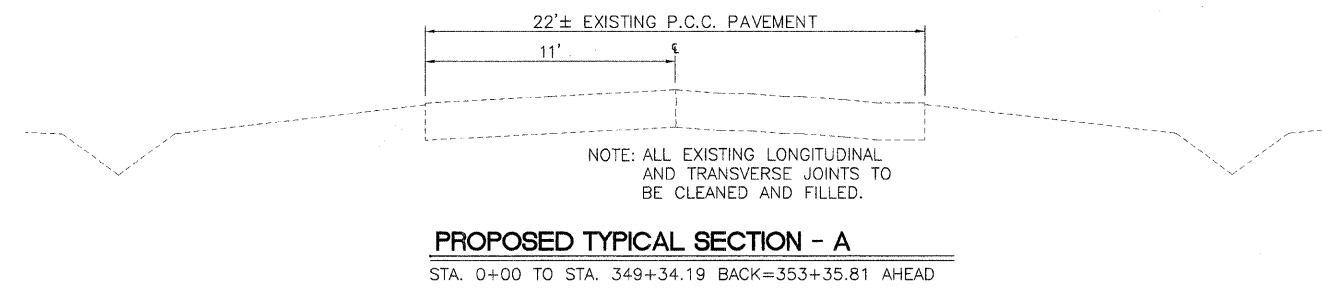
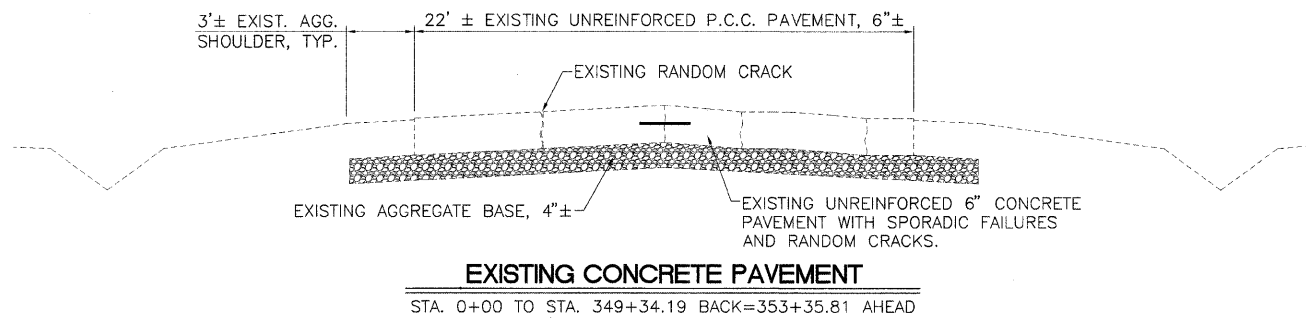


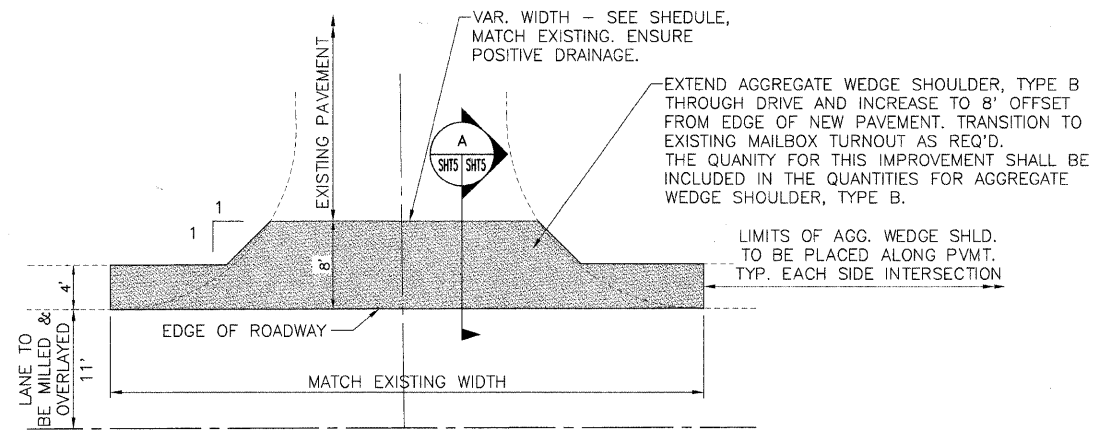
MONTGOMERY CO.
FAYETTE CO.



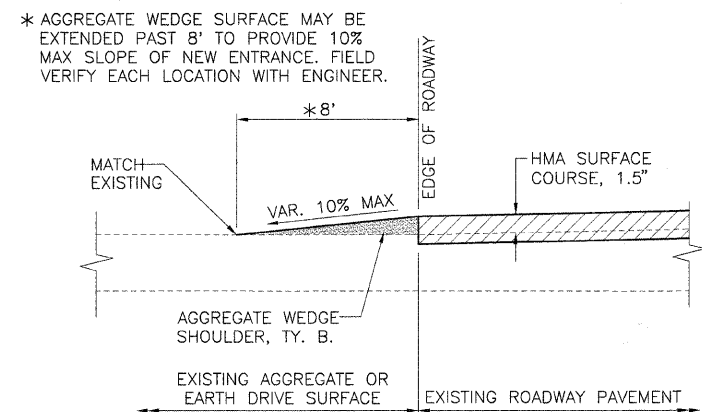
RHUTASEL and ASSOCIATES, INC. CONSULTING ENGINEERS • LAND SURVEYORS CENTRALIA, ILLINOIS FREEBURG, ILLINOIS	PREPARED FOR:	FAS 721 (C.H. 1) SECTION 05-00111-00-RS FAYETTE COUNTY, ILLINOIS	GENERAL OVERALL PLAN			
			SURVEY	JAS	CHECKED	DATE
	60142693		DESIGN	JMW	APPROVED	REVISED
			DRAWN	JMW	JOB NO.	51810

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 721	05-00111-00-RS	FAYETTE	7	4
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CONTRACT NO. 95645				

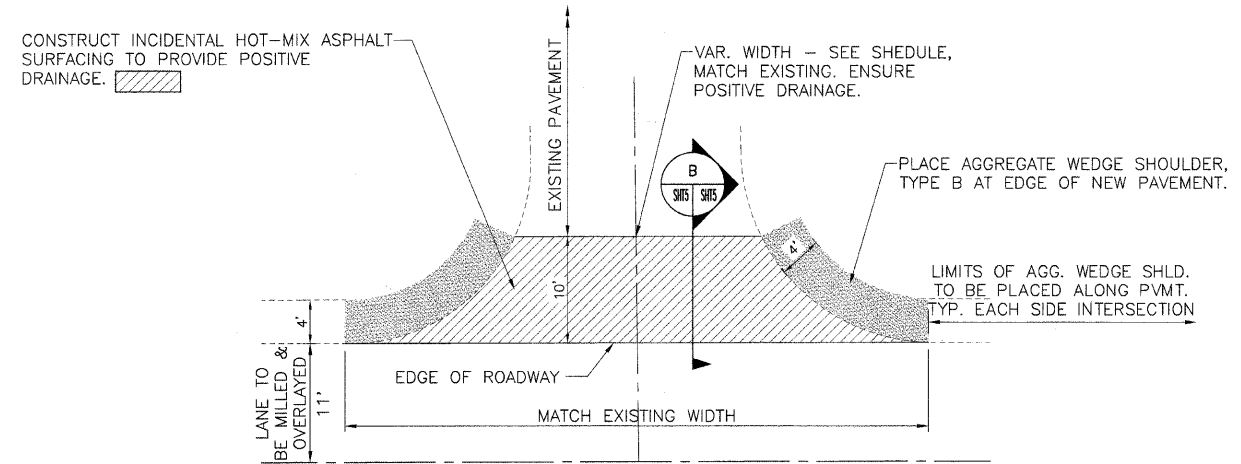




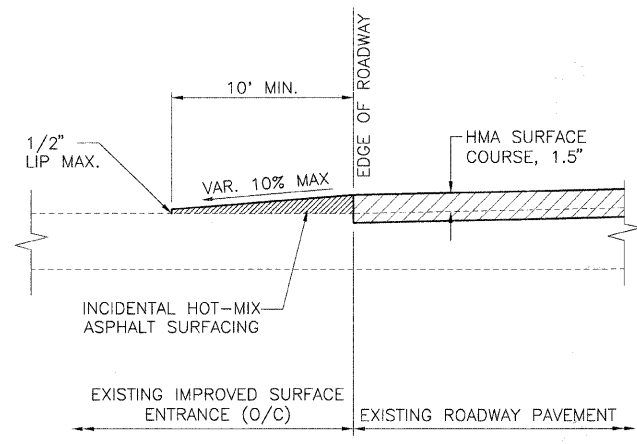
PROPOSED INTERSECTION DETAIL 1
FIELD ENTRANCES, UNIMPROVED SURFACE INTERSECTIONS AND DRIVES



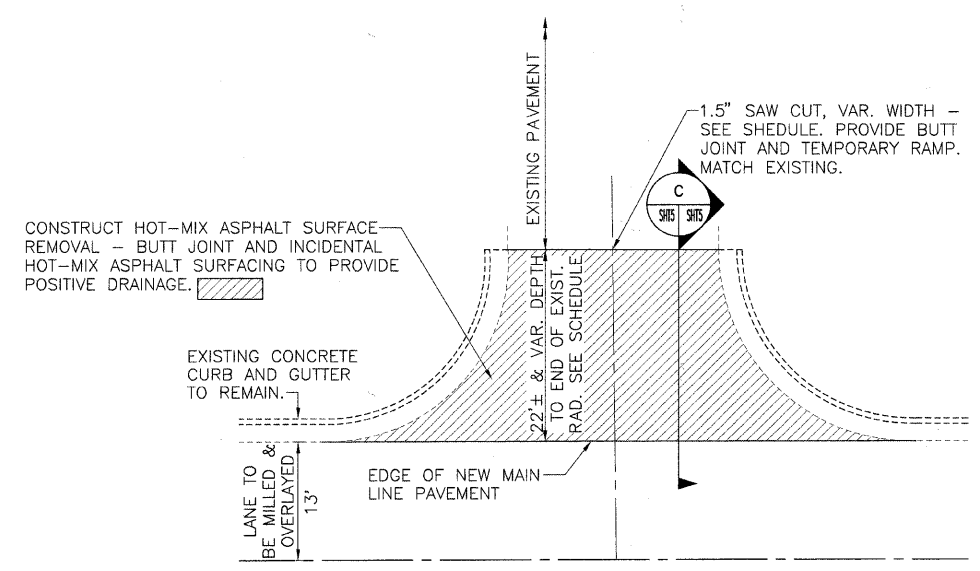
A SECTION



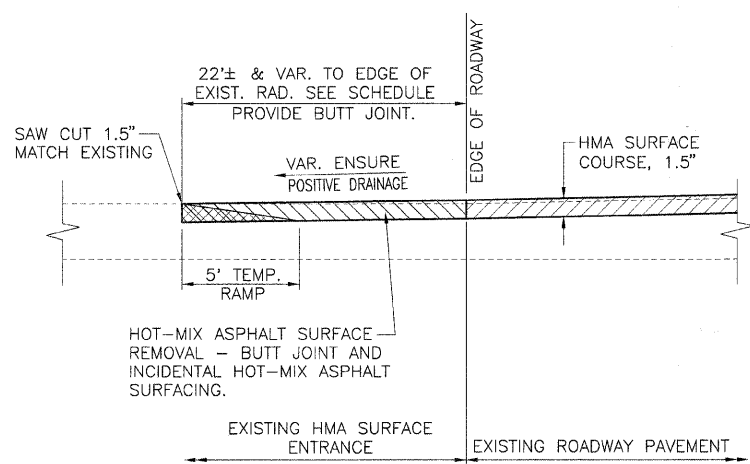
PROPOSED INTERSECTION DETAIL 2
IMPROVED SURFACE INTERSECTIONS AND DRIVES WITHOUT EXISTING CURB AND GUTTER



B SECTION



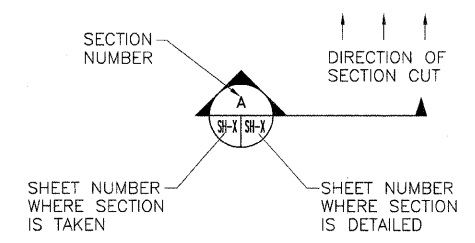
PROPOSED INTERSECTION DETAIL 3
IMPROVED SURFACE INTERSECTIONS AND DRIVES WITH CURB AND GUTTER



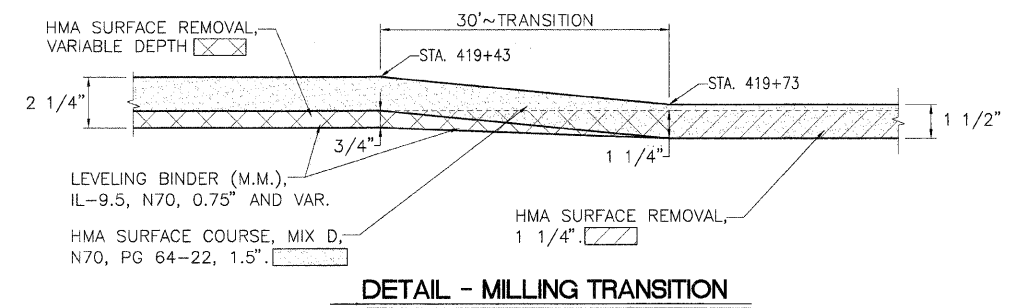
C SECTION

PAVEMENT INTERSECTION SCHEDULE						
APPROXIMATE LOCATION	DESCRIPTION	DET. #	WIDTH	DEPTH	QUANTITY	
RT. STA. 241+88	TOWNSHIP ROAD (BAYLE CITY)	2	58.7'	10'	87.88 SY	4.92 TON
LT. STA. 241+90	TOWNSHIP ROAD (BAYLE CITY)	2	43.9'	10'	72.40 SY	4.05 TON
RT. STA. 362+04	PRIVATE ENTRANCE	1	18'	8'	21.23 SY	0.89 TON
RT. STA. 367+39	PRIVATE ENTRANCE	1	34'	8'	45.60 SY	1.92 TON
LT. STA. 372+44	PRIVATE ENTRANCE	1	14'	8'	18.01 SY	0.76 TON
RT. STA. 373+89	PRIVATE ENTRANCE	1	19'	8'	22.17 SY	0.93 TON
RT. STA. 379+95	PRIVATE ENTRANCE	1	18'	8'	21.29 SY	0.89 TON
LT. STA. 387+47	PRIVATE ENTRANCE	1	19'	8'	28.52 SY	1.20 TON
RT. STA. 387+49	PRIVATE ENTRANCE	1	17'	8'	20.71 SY	0.87 TON
RT. STA. 395+70	PRIVATE ENTRANCE	1	18'	8'	21.03 SY	0.88 TON
LT. STA. 399+69	PRIVATE ENTRANCE	1	18'	8'	23.85 SY	1.00 TON
RT. STA. 403+40	PRIVATE ENTRANCE	1	19'	8'	22.08 SY	0.93 TON
RT. STA. 415+98	PRIVATE ENTRANCE	1	25'	8'	27.68 SY	1.16 TON
RT. STA. 417+30	PRIVATE ENTRANCE	1	18'	8'	22.83 SY	0.96 TON
LT. STA. 417+43	PRIVATE ENTRANCE	1	40'	8'	43.25 SY	1.82 TON
RT. STA. 417+91	TOWNSHIP ROAD	2	64'	10'	86.41 SY	4.84 TON
LT. STA. 419+65	PRIVATE ENTRANCE	1	17'	8'	20.98 SY	0.88 TON
LT. STA. 435+43	LAWN LANE	3	25.6'	20.8'	81.49 SY	6.85 TON
LT. STA. 443+87	THOMPSON STREET	3	23.0'	17.3'	63.12 SY	5.30 TON
LT. STA. 445+57	ALLEY	3	27.8'	11.8'	51.87 SY	4.36 TON
LT. STA. 449+37	HOFFMAN STREET	3	20.7'	21.6'	71.62 SY	6.02 TON
LT. STA. 453+50	SPOONER STREET	3	17.7'	21.9'	67.72 SY	5.69 TON
RT. STA. 457+75	WASHINGTON STREET	3	17.0'	21.8'	66.05 SY	5.55 TON
LT. STA. 457+94	WASHINGTON STREET	3	22.2'	21.3'	74.57 SY	6.26 TON
RT. STA. 459+78	WEST STREET	3	25.7'	21.3'	83.27 SY	6.99 TON
LT. STA. 459+78	WEST STREET	3	26.6'	21.5'	85.77 SY	7.20 TON
RT. STA. 462+04	EAST STREET	3	22.2'	21.9'	76.91 SY	6.46 TON
LT. STA. 462+04	EAST STREET	3	23.2'	22.2'	77.29 SY	6.49 TON

THE QUANTITY OF ASPHALT PLACED IN DETAIL 2 AND DETAIL 3 INTERSECTIONS SHALL BE PAID FOR AS INCIDENTAL HOT-MIX ASPHALT SURFACING.
THE QUANTITY OF AGGREGATE PLACED IN DETAIL 1 INTERSECTIONS SHALL BE PAID FOR AS AGGREGATE WEDGE SHOULDER, TYPE B.

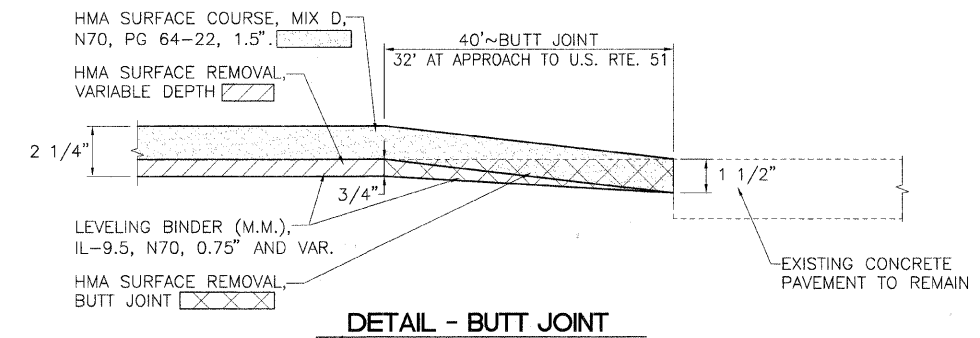


SECTION CALLOUT LEGEND



PAVEMENT MARKING SCHEDULE		
TYPE OF LINE	SIZE & COLOR	QUANTITY
EDGE	4" WHITE	81,759 FT
SKIP DASH	4" YELLOW	8240 FT
NO PASSING	4" YELLOW	42,177 FT
4" TOTAL		132,176 FT
CROSS-WALK	6" WHITE	119 FT
6" TOTAL		119 FT

NOTE: NO-PASSING ZONES WILL BE ESTABLISHED IN THE FIELD BY THE ENGINEER.

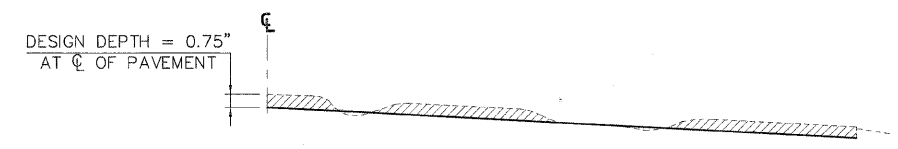


DETAIL - BUTT JOINT

MAIN LINE PAVEMENT:
 STA. 353+25.81 TO STA. 353+65.81-END BIT.
 STA. 375+41.81 TO STA. 375+81.81-BRIDGE AT RAMSEY CREEK
 STA. 379+15.35 TO STA. 379+55.35-BRIDGE AT RAMSEY CREEK
 STA. 463+32.84 TO STA. 463+64.84-APPROACH TO U.S. RTE. 51

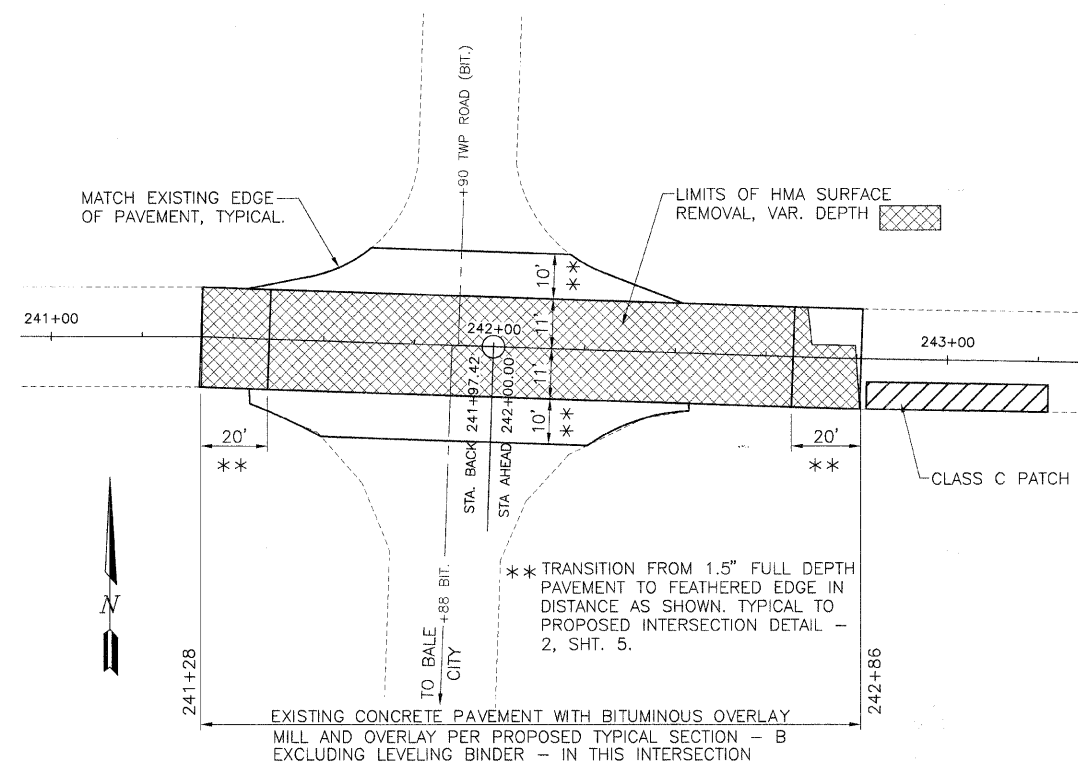
WATER VALVE ADJUSTMENT SCHEDULE	
APPROXIMATE LOCATION	QUANTITY
LT. STA. 435+35	1
LT. STA. 443+92	2
LT. STA. 458+00	5
LT. STA. 459+90	1
LT. STA. 461+93	1
TOTAL	10

FRAME AND LID ADJUSTMENT SCHEDULE	
APPROXIMATE LOCATION	QUANTITY
LT. STA. 457+84	1
LT. STA. 462+09	1
RT. STA. 462+09	1
RT. STA. 462+17	1
LT. STA. 463+45	1
TOTAL	5



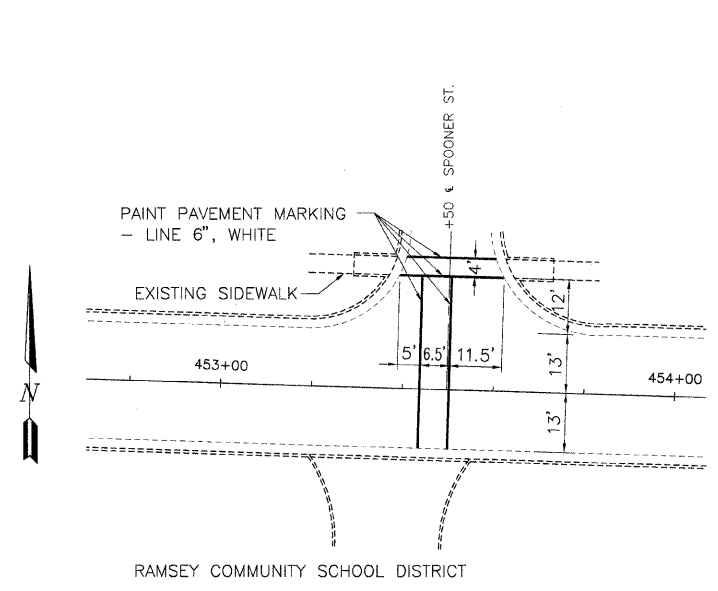
- NOTES:**
- MILLING SHALL BE DONE TO ATTAIN 3/16"/FT. SLOPE IN CROWN SECTIONS.
 - EXISTING S.E. AND S.E. TRANSITIONS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON PLANS.
 - MILLING TO THE BOTTOM OF WHEEL RUTS SHALL NOT BE NECESSARY UNLESS REQUIRED TO OBTAIN SLOPE OR THE DESIGN DEPTH AT CENTERLINE.
 - THE AVERAGE DEPTH OF MILLING IS ESTIMATED TO BE 3/4" BUT MAY VARY IN ISOLATED LOCATIONS.

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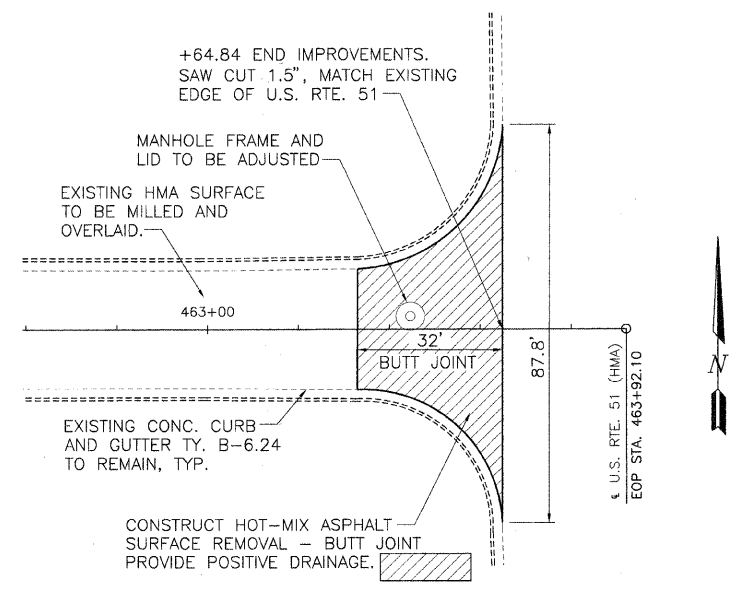
BAYLE CITY INTERSECTION

STA. 241+33 TO 242+81



CROSS WALK

STA. 453+47



INTERSECTION U.S. RTE. 51