### GENERAL NOTES

- 1. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SAID UTILITIES SHALL BE LOCATED PRIOR TO GRADING OR CONSTRUCTION OF IMPROVEMENTS.
- 2. ALL MATERIALS DEEMED SALVAGEABLE BY THE ENGINEER SHALL REMAIN THE PROPERTY OF ST. CLAIR COUNTY. ALL OTHER MATERIALS SHALL BE DISPOSED OF BY THE CONTRACTOR, AT HIS OWN EXPENSE.
- 3. THE FOLLOWING ITEMS AND ESTIMATED QUANTITIES SHALL BE USED THROUGHOUT THIS PROJECT:

1.4 ACRE, SEEDING CLASS 3; 126 POUND, NITROGEN FERTILIZER NUTRIENT; 126 POUND PHOSPHOROUS FERTILIZER NUTRIENT; 126 POUND, POTASSIUM FERTILIZER NUTRIENT; 1.4 ACRE, MULCH, METHOD 2; 715 FOOT, FENCE (EROSION CONTROL); 59 TON, LIME; 41.1 TON HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70; 369 SQ.YDS., HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"; 1959 SQ.YDS., HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 9 1/4"; 1293 SQ.YD., AGGREGATE SHOULDERS, TYPE A 6";

SPRING - MARCH 1 TO JUNE 1

FALL - AUGUST 1 TO NOVEMBER 15

SEEDING WILL NOT BE PERMITTED OUTSIDE THE LIMITS SHOWN ABOVE WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER. FERTILIZER NUTRIENTS SHALL BE APPLIED AT THE RATE OF 270 POUNDS PER ACRE. THE PERCENT OF THE TOTAL WEIGHT OF THE READY MIX MATERIAL SHALL BE 33<sup>1</sup>/<sub>3</sub> % NITROGEN, 33<sup>1</sup>/<sub>3</sub> % PHOSPHORIC ACID AND 33<sup>1</sup>/<sub>3</sub> % WATER SOLUBLE POTASH. MULCH SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE.

5. THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION

AMEREN U.E.

CENTERPOINT ENERGY

COLLINSVILLE, IL 62234

203 GOETHE ST. 1ST FLOOR 500 EAST BROADWAY 4500 WEST 61ST ST. COLLINSVILLE, IL 62234 EAST ST. LOUIS, IL 62201 LITTLE ROCK, AR 72209

6. THE FOLLOWING FACTORS WERE USED TO DETERMINE THE REQUIRED AMOUNT OF MATERIALS NEEDED.

218

55 LBS/(SQ YD)(FT)

- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 112 LBS/SQYD/IN THICK
- 7. THE CONTRACTOR SHALL NOT BE ALLOWED TO SET THE DECK BEAMS UNTIL THE STEEL RAILING HAS BEEN DELIVERED TO THE JOB SITE OR TO THE CONTRACTORS YARD. PROOF OF SUCH DELIVERY MUST BE PRESENTED TO THE ENGINEER, AT HIS REQUEST, PRIOR TO THE PLACEMENT OF THE BEAMS.
- 8. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION	BRIDGE DECK	MAIN LINE	MAIN LINE	MAIN LINE
MIXTURE USE	SURFACE COURSE	FULL DEPTH, LOWER BINDER	FULL DEPTH, TOP BINDER	FULL DEPTH, SURFACE
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%	15%	10%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION				
(GRADATION MIXTURE)	IL-9.5/IL-12.5	IL-19.0	IL-19.0	IL-9.5/IL-12.5
FRICTION AGG.	MIXTURE C			MIXTURE C
MIXTURE WEIGHT	112.0 lb/sq yd/in	112.0 lb/sq yd/in	112.0 lb/sq yd/in	112.0 lb/sq yd/in

# FLEXIBLE PAVEMENT STRUCTURAL DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC: YEAR = 2015 PV = 1114 SU = 238 MU = 134 ROAD CLASSIFICATION: CLASS III P = 50% S = 50% M = 50% TRAFFIC FACTOR: ACTUAL TF = 0.78 AC TYPE = PG AC GRADE: BINDER = PG64-22 SURFACE = PG64-22 SUBGRADE SUPPORT RATING: SSR = FAIR (STA 199+21 TO 207+37)

### TRAFFIC CONTROL PLAN

### NOTES

- TYPE A FLASHING WARNING LIGHTS SHALL BE USED ON EACH ADVANCE WARNING SIGN.
- ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 48"\*48" AND HAVE A BLACK LEGEND ON AN ORANGE REFLECTORIZED BACKGROUND.
- ALL TYPE III BARRICADES SHALL HAVE TWO TYPE A FLASHING WARNING LIGHTS MOUNTED ON TOP OF EACH
- 4. SEE STANDARD BLR 21 FOR TRAFFIC CONTROL DETAIL AT THE BRIDGE LOCATION

# LEGEND

ROAD CLOSED AHEAD W20-3(0)

SUPPLEMENTAL PLATE: 1 MILE

SUPPLEMENTAL PLATE: 2 MILES 4 SUPPLEMENTAL PLATE: 1.5 MILES

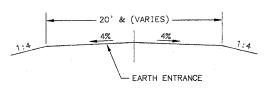
	INITIALS	DATE
DESIGNED	WES	11/04
CHECKED		
DRAWN	WES	11/04
CHECKED		
PREPARED	BY ST. CLA	R COUNTY

# PROJECT LOCATION (SEE NOTE #4) BUNKUM ROAD

SECTION NO.	COUNTY HIGHWAY	COUNTY	SHEET OF SHEETS
02-00161-02-BR	CH 34	ST. CLAIR	2 OF 22
FHWA REG.NO.7	ILLINOIS	PROJ: BRM-6	5011(188)
GEN NOTES &	TYP SECT	CONTRACT	97280

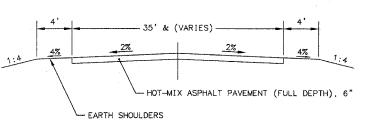
# EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	ROADWAY EXCAVATION	RIPRAP EXCAVATION	EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT	EARTHWORK BALANCE
	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS
STA.199+21 - STA.207+37	880	97	884	204	1549	6379	-4830

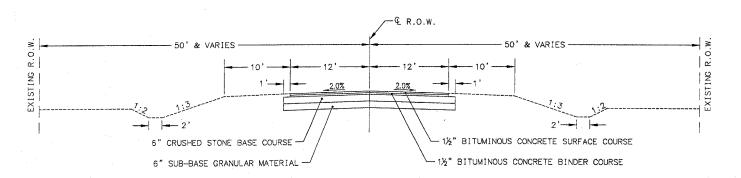


(STA 205+87.00 RT)



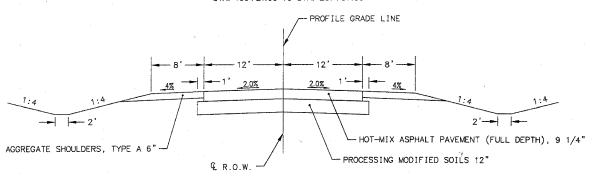


TYPICAL SECTION OF COMMERCIAL ENTRANCE (STA 205+64.39 LT)



### EXISTING TYPICAL SECTION

STA. 199+21.00 TO STA. 207+37.00



# PROPOSED TYPICAL SECTION

STA. 199+21.00 TO STA. 203+02.23 STA. 203+83.77 TO STA. 207+37.00

- 1. WARP FROM THE EXISTING SECTION TO THE PROPOSED TEMPLATE IN 30 ft. STA 199+21.00 - STA 199+51.00
- 2. WARP FROM THE PROPOSED TEMPLATE TO THE EXISTING SECTION IN 30 ft. STA 207+07.00 - STA 207+37.00