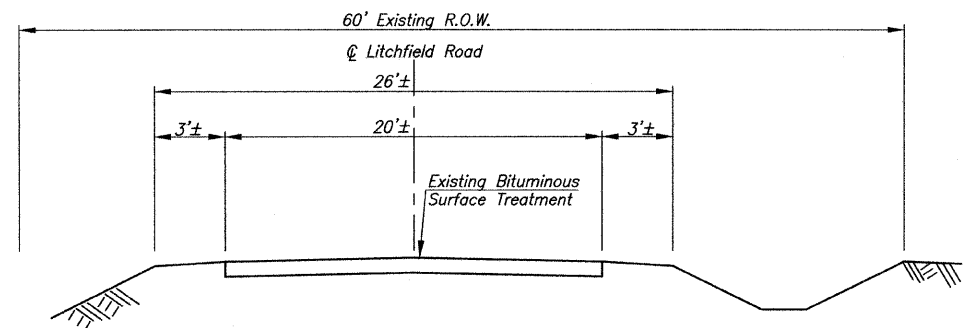
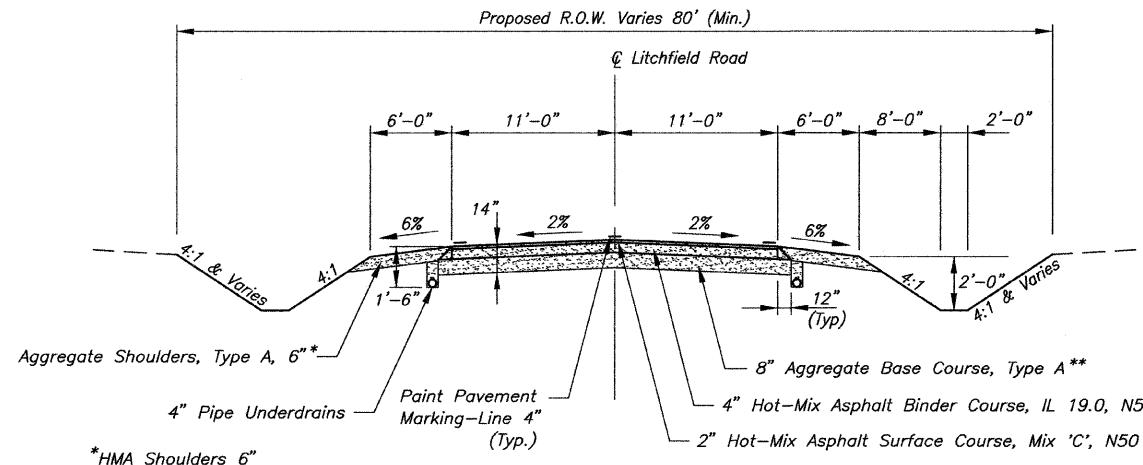


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 3	06-00086-00-PV	MACOUPIN	43	3
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	



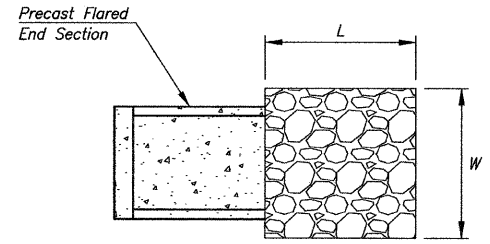
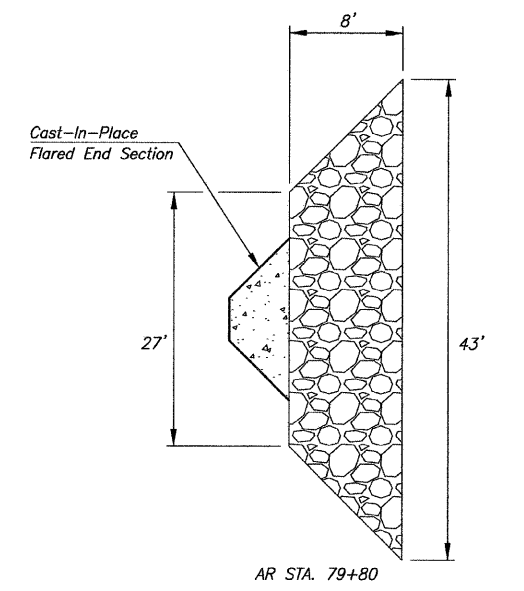
TYPICAL CROSS SECTION EXISTING ROAD
 Sta. 10+13 to Sta. 59+80 No Road
 Sta. 59+80 to Sta. 63+00 Dirt Road
 Sta. 63+00 to Sta. 142+00



PROPOSED TYPICAL CROSS SECTION
 Sta. 10+12.99 to Sta. 141+50.00

*HMA Shoulders 6" from IL RTE 4 to Sta. 11+38.94

**Aggregate Base Course extends 12" beyond HMA Shoulders from IL Rte 4 to Sta. 11+38.94



SEE SCHEDULE FOR W & L

RIPRAP DIAGRAM

RIPRAP SCHEDULE

LOCATION	STONE RIPRAP FILTER FABRIC		W	L
	U.S.	D.S.		
LITCHFIELD ROAD	SQ YD	SQ YD	FT	FT
STA. 15+10	4.33	4.33	6.5	6.0
STA. 26+50	9.00	9.00	9.0	9.0
STA. 47+00	7.11	7.11	8.0	8.0
STA. 57+38	4.33	4.33	6.5	6.0
STA. 58+32	4.33	4.33	6.5	6.0
STA. 79+80	31.11	31.11	-	-
STA. 127+50	12.22	12.22	11.0	10.0
LILLY ROAD				
RT. DITCH LINE	4.00	4.00	6.0	6.0
COTTONWOOD ROAD				
STA. 9+65.50	9.00	9.00	9.0	9.0
STA. 10+34.50	7.11	7.11	8.0	8.0
TOTALS	185			

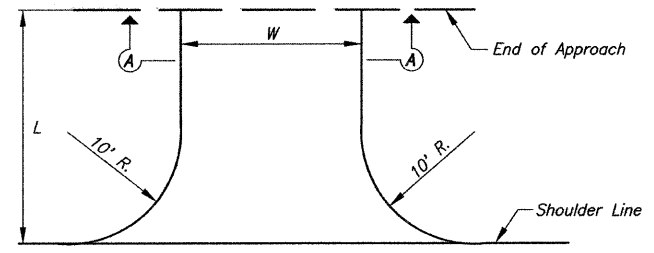
PAVEMENT DESIGN DATA

Design Period = 20 Years
 Structural Design Traffic (S.D.T.) = 900 Yr. 2013
 PV = 792 SU = 63 MU = 45
 Class III Route
 Percent of S.D.T. in Design Lane P=50 S=50 M=50
 Traffic Factor: T.F. = 0.24 (80 K)
 Minimum Soil Support: E_{RI} = 3.0
 Pavement Structure:
 Surface Course Type: 2" Hot-Mix Asphalt
 Binder Course Type: 4" Hot-Mix Asphalt
 Base Course Type: 8" Aggregate, Type A

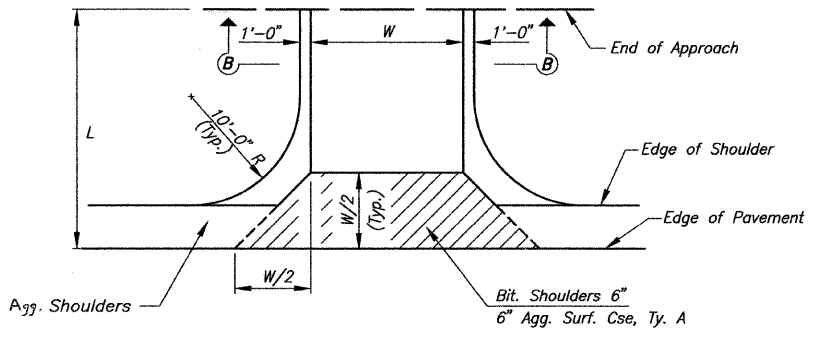
APPLICATION RATES USED IN QUANTITY CALCULATIONS

Granular Materials 2.05 TON/CU. YD.
 Hot-Mix Asphalt (Binder & Surface) 112 LB./SQ. YD./IN. DEPTH
 Bituminous Materials (Prime Coat) 0.50 GALLON/SQ. YD.
 Aggregate (Cover & Seal Coats) 25 LB./SQ. YD.
 Bituminous Materials (Cover & Seal Coats) 0.50 GALLON/SQ. YD.

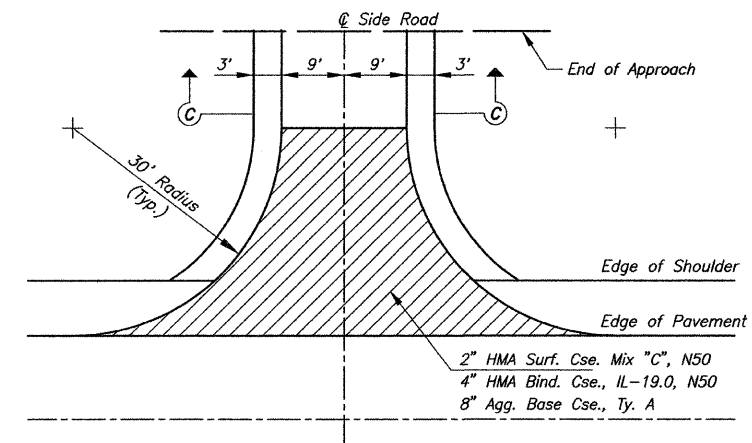
ITEM	HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
	ASPHALT GRADE	VOIDS	AGG. COMPOSITION (FRIC.)
HOT-MIX ASPHALT BINDER	PG 64-22	4.0% @ N50	IL-19.0
HOT-MIX ASPHALT SURFACE	PG 64-22	4.0% @ N50	IL-9.5 or 12.5 (MIX 'C')
HMA SHOULDERS	PG 58-22	2.0% @ N30	BAM/OTHER



FIELD ENTRANCE DETAIL

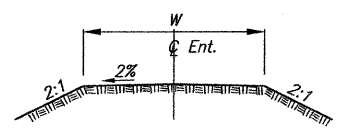


PRIVATE ENTRANCE DETAIL

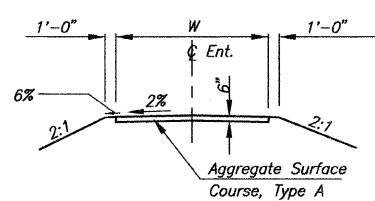


SIDE ROAD DETAIL

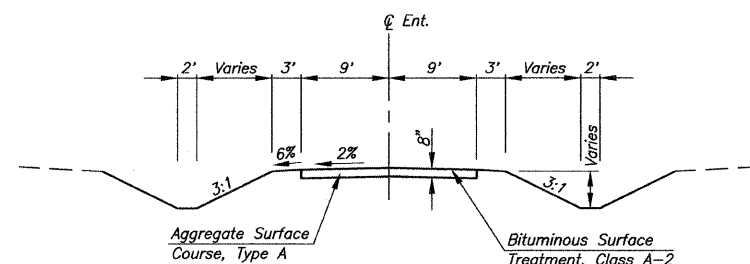
Rt. Sta. 59+86.89 Freemont Road
 Lt. Sta. 86+75.19 Cavalier Road
 Rt. Sta. 100+45.09 Lilly Lane
 Lt. Sta. 141+02.26 Cottonwood Road
 Rt. Sta. 141+08.59 Cottonwood Road



SECTION A-A



SECTION B-B



SECTION C-C

TYPICAL CROSS SECTIONS

PROJECT: SECTION 06-00086-00-PV
 F.A.S. 2729 / C.H. 3
 MACOUPIN COUNTY

PROJECT NO. 03105
 SCALE: AS SHOWN
 DATE: 09/11/09
 DRAWN BY: PPW
 CHECKED BY: MRL
 DRAWING NO. 3

COOMBE-BLOXDORF P.C.
 Engineers / Land Surveyors
 Springfield, Illinois
 Design Firm License No. 184-002703

OF 43 SHTS