

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 797	05-00113-00-RS	WAYNE	5	2
CONTRACT NO. 95562		ILLINOIS		

GENERAL NOTES

THIS SECTION CONSISTS OF THE CONSTRUCTION OF A 22 FOOT WIDE HOT MIX ASPHALT SURFACE COURSE, MIXTURE "C", N70, ALONG WITH THE REQUIRED BASE COURSE REPAIR AND CONSTRUCTION OF AGGREGATE SHOULDERS. THIS PROJECT SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, AND "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007.

THE EXISTING GRADE, ALIGNMENT, DRAINAGE STRUCTURES, BASE, AND SURFACE WERE CONSTRUCTED UNDER THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS IN EFFECT AT THE TIME OF THEIR INITIAL CONSTRUCTION. THE ORIGINAL DESIGN PLANS ARE ON FILE AND AVAILABLE FOR INSPECTION AT THE WAYNE COUNTY HIGHWAY DEPARTMENT IN FAIRFIELD, ILLINOIS.

PAVEMENT DESIGN

DESIGN PERIOD: 10 YEARS
 80,000 POUND DESIGN
 ROAD CLASSIFICATION: RURAL MAJOR COLLECTOR
 A.D.T. YEAR 2007: 1474
 S.D.T. YEAR 2017: 1710

PAVEMENT STRUCTURE MATERIALS:
 2" H.M.A. SURFACE REQUIRED FROM DEFLECTOMETER TEST

HOT MIX ASPHALT

HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "C" N70
 PG GRADE: PG 64-22
 DESIGN AIR VOIDS: 4.0% @ Ndesign 70
 MIXTURE COMPOSITION: IL-9.5
 FRICTION AGGREGATE: MIXTURE C

LEVELING BINDER (MACHINE METHOD) N70
 PG GRADE: PG 64-22
 DESIGN AIR VOIDS: 4.0% @ Ndesign 70
 MIXTURE COMPOSITION: IL-9.5
 FRICTION AGGREGATE: N/A

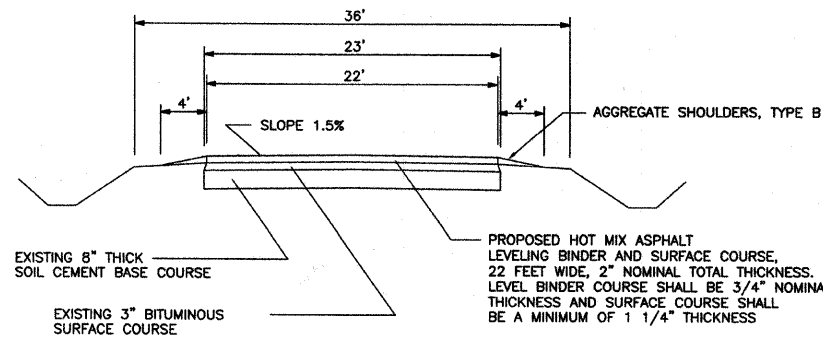
CLASS D PATCHES
 PG GRADE: PG 64-22
 DESIGN AIR VOIDS: 4.0% @ Ndesign 70
 MIXTURE COMPOSITION: IL-19.0
 FRICTION AGGREGATE: N/A

HOT-MIX ASPHALT BASE COURSE WIDENING, 11"
 PG GRADE: PG 64-22
 DESIGN AIR VOIDS: 4.0% @ Ndesign 70
 MIXTURE COMPOSITION: IL-19.0
 FRICTION AGGREGATE: N/A

SUMMARY OF QUANTITIES

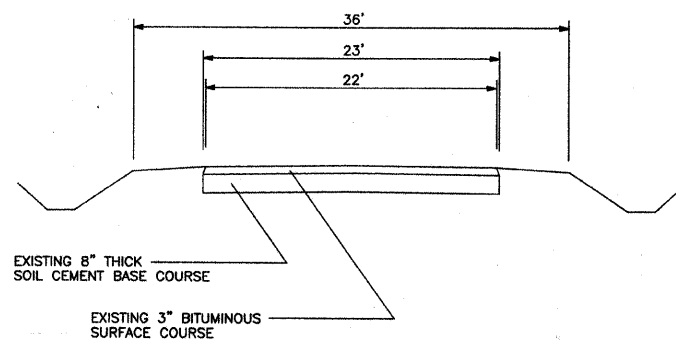
CODE NO.	ITEM	UNIT	QUANTITY
X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	1
Z0055600	RUMBLE STRIP	SQ YD	93
20200500	EARTH EXCAVATION (WIDENING)	CU YD	55
20400800	FURNISHED EXCAVATION	CU YD	175
20800150	TRENCH BACKFILL	CU YD	87
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.1
28100805	STONE DUMPED RIPRAP, CLASS A3	TON	10
35600720	HOT-MIX ASPHALT BASE COURSE WIDENING, 11"	SQ YD	172
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	147
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	11000
40600300	AGGREGATE (PRIME COAT)	TON	220
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	4638
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	405
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	8013
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1080
44001600	BRIDGE WEARING SURFACE REMOVAL	SQ YD	765
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	315
44300300	AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A	SQ YD	665
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	3285
50104400	CONCRETE HEADWALL REMOVAL	EACH	2
50105220	PIPE CULVERT REMOVAL	FOOT	2460
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	1142
54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	924
54200226	PIPE CULVERTS, CLASS D, TYPE 1 21"	FOOT	90
54200229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	202
54200232	PIPE CULVERTS, CLASS D, TYPE 1 27"	FOOT	48
54200235	PIPE CULVERTS, CLASS D, TYPE 1 30"	FOOT	48
54207183	PIPE CULVERTS, TYPE 1, REINFORCED CONCRETE - ELLIPTICAL, EQUIVALENT ROUND-SIZE 48"	FOOT	56
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1
54214533	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 48"	EACH	2
54215973	REINFORCED CONCRETE PIPE ELBOW 18"	EACH	1
54223453	REMOVE AND RELAY PIPE CULVERTS 18"	FOOT	8
54248180	GRATING FOR CONCRETE FLARED SECTION EQUIVALENT ROUND-SIZE 48"	EACH	2
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	211
63200310	GUARDRAIL REMOVAL	FOOT	360
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	9000
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1485
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	117,300

* SPECIALTY ITEMS



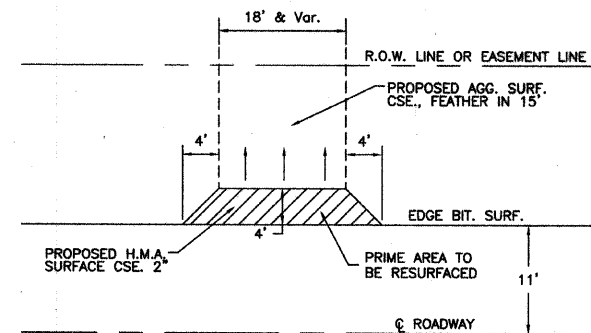
TYPICAL CROSS SECTION

PROPOSED

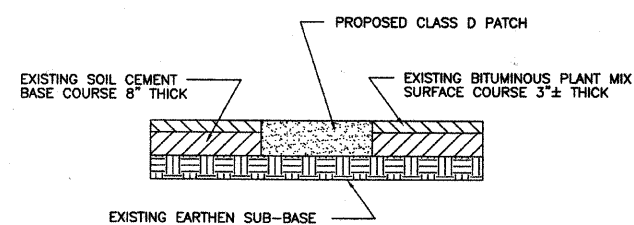


TYPICAL CROSS SECTION

EXISTING



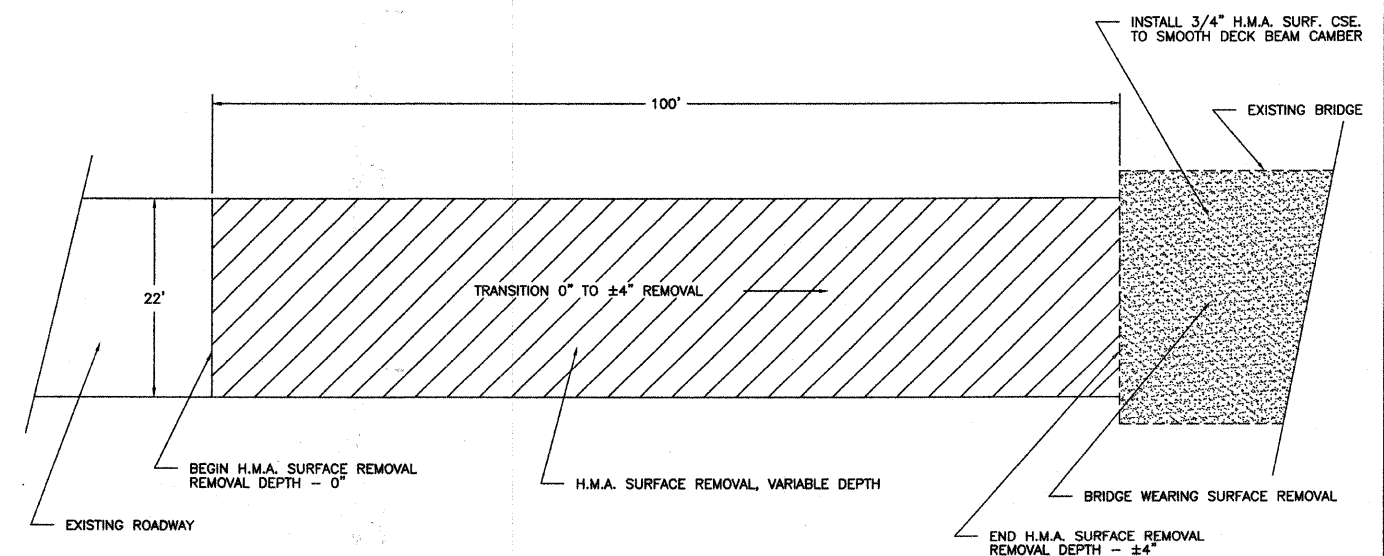
ENTRANCE DETAIL



PATCHING DETAIL

BRIDGE WEARING SURFACE REMOVAL	SQ YD
STA. 128+07 TO 129+22	380
STA. 183+95 TO 185+24	405
TOTAL	785 SQ YD

H.M.A. SURF. REM., VARIABLE DEPTH	SQ YD
STA. 127+07 TO 128+07	245
STA. 129+21 TO 130+21	245
STA. 182+95 TO 183+95	245
STA. 185+24 TO 186+24	245
TOTAL	980 SQ YD



H.M.A. SURFACE REMOVAL, VARIABLE DEPTH DETAIL