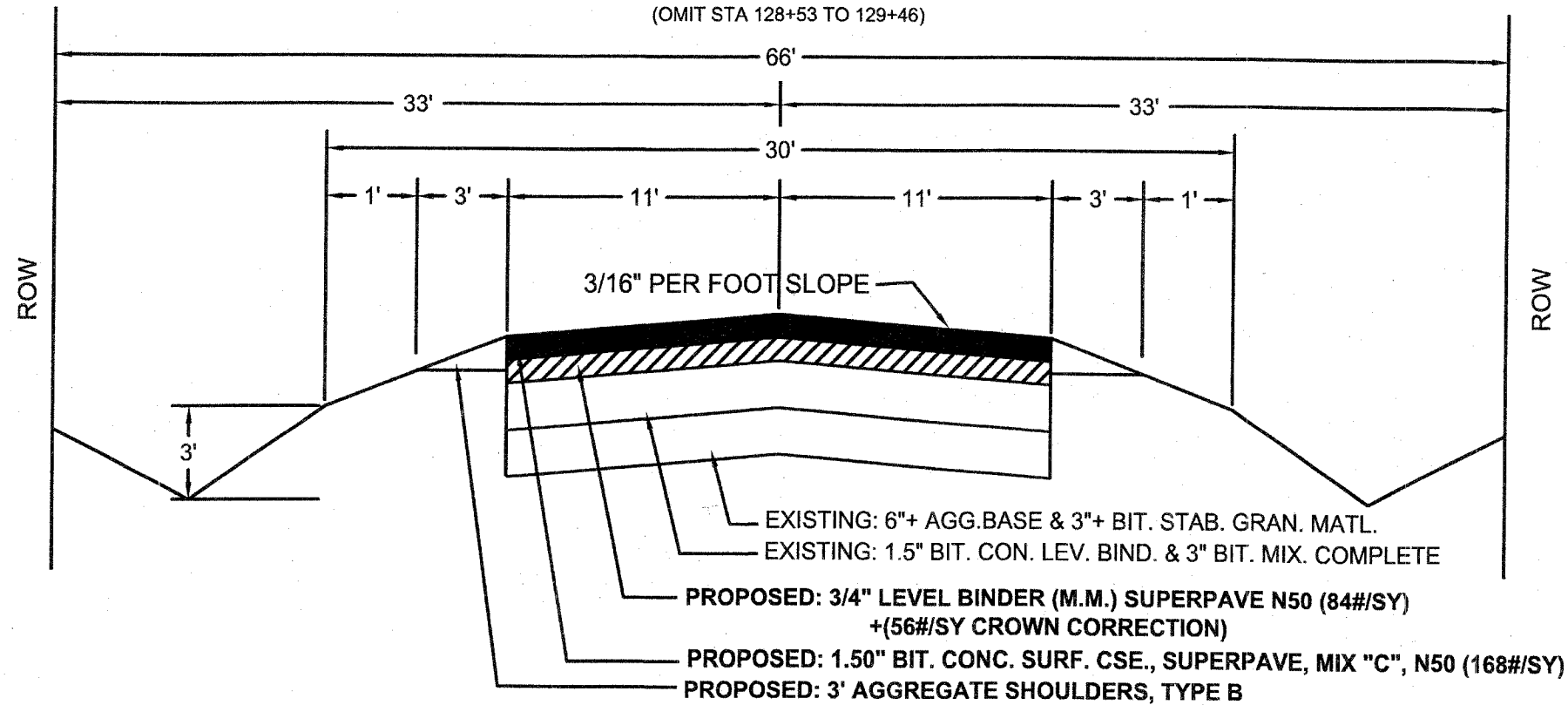


TYPICAL CROSS SECTION
SECTION 03-00101-00-RS (SHAMBROOK ROAD)
STATION 0+00 TO 161+83
(OMIT STA 128+53 TO 129+46)

FAS NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
473	03-00101-00-RS		3	2
PROJECT RS-473 (107)				
CONTRACT # 87268				



STRUCTURAL DESIGN
STA. 0+00 TO STA. 161+83
SEC. 03-00101-00-RS

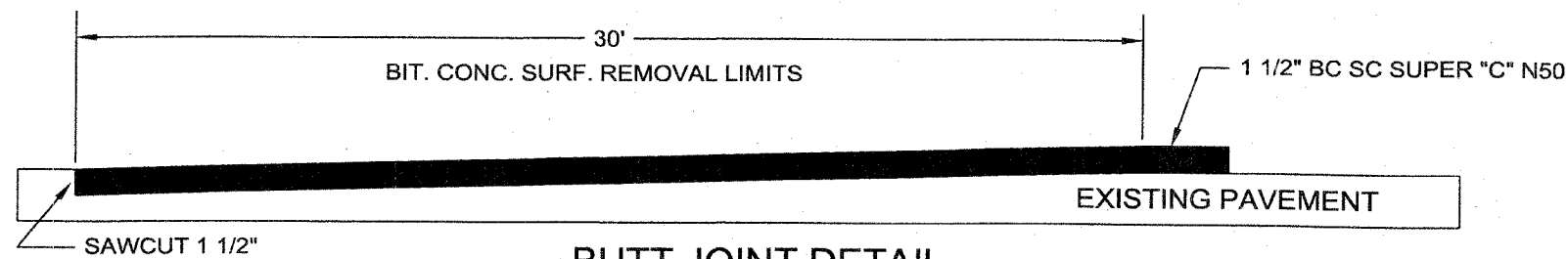
STRUCTURAL DESIGN TRAFFIC YEAR	2015
CURRENT A.D.T.	125
A.D.T. 2015	200
P.C.	176
S.U.	18
M.U.	6
CLASS	IV
MINIMUM SOIL SUPPORT IBR	3
TRAFFIC FACTOR	0.007
Dt REQUIRED	1.9

EXISTING BASE:

6.0"+ AGGREGATE BASE (CRUSHED)	6.0" X 0.05 = 0.30
3.0"+ BIT. STAB. GRAN. BSE.	3.0" X 0.06 = 0.18
1.5"+BIT. CONC. LEV.BIND.	1.5" X 0.23 = 0.34
3.0"+BIT. MIX COMPLETE	3.0" X 0.30 = 0.90
SUBTOTAL EXISTING	1.72

PROPOSED:

.75" LEVEL BINDER, SUPERPAVE N50	0.75" X 0.40 = 0.30
1.50" SURF. CSE., SUPERPAVE "C" N50	1.25" X 0.40 = 0.60
Dt TOTAL	2.62



BUTT JOINT DETAIL
3 LOCATIONS
0+00 TO 0+30 = 30'
128+23 TO 128+53 = 30'
129+46 TO 129+76 = 30'

	LEVEL BINDER	SURFACE
PG GRADE	PG 58-22	PG 58-22
MAX. % RAP *	25%	15 %
DESIGN AIR VOIDS	4.0 % @ N50	4.0 % @ N50
MIX COMPOSITION	IL 9.5	IL 9.5 OR 12.5
FRICTION AGGREGATE		MIXTURE "C"
DENSITY CONTROL METHOD		CORRELATION

* IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED, THIS WILL BE DETERMINED BY THE ENGINEER.