

PAVEMENT STRUCTURAL DESIGN - C.H. 6

Structural Design Traffic (S.D.T.) = Year 2022
 Class IV Street
 80,000# Truck Design

P.V. 242
 S.U. 25 } 275 ADT
 M.U. 7

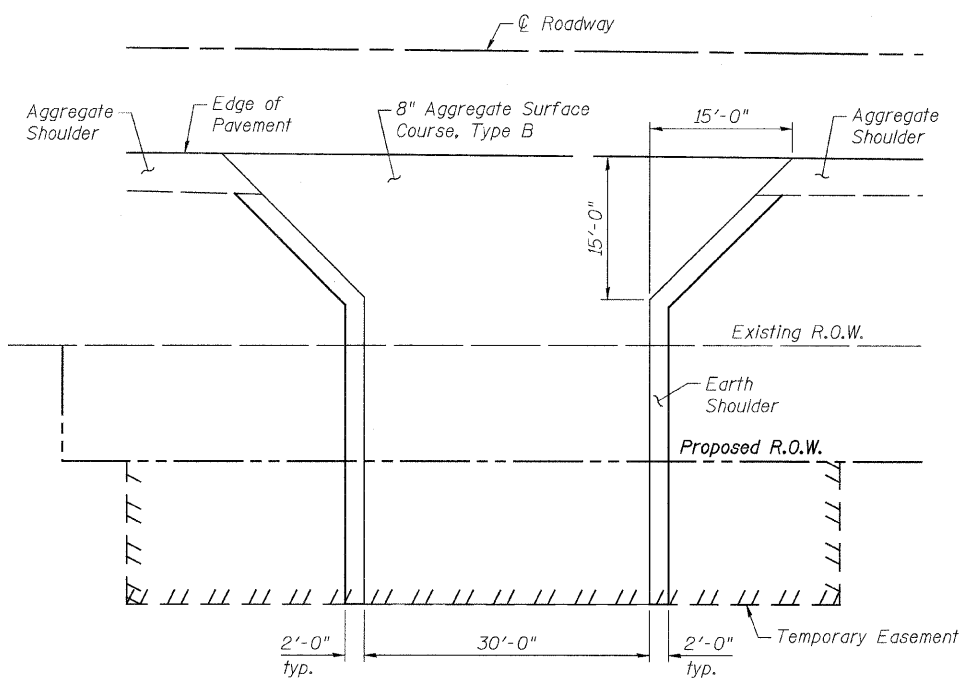
Eri : (Assumed) 2 ksi
 HCV = 33

USE
 1 1/2" - Hot-Mix Asphalt Surface Course, Mix "C", N50
 1 1/2" - Hot-Mix Asphalt Binder Course, IL-12.5, N50
 8" - Subbase Granular Material, Type A
 4" - Subbase Granular Material, Type B

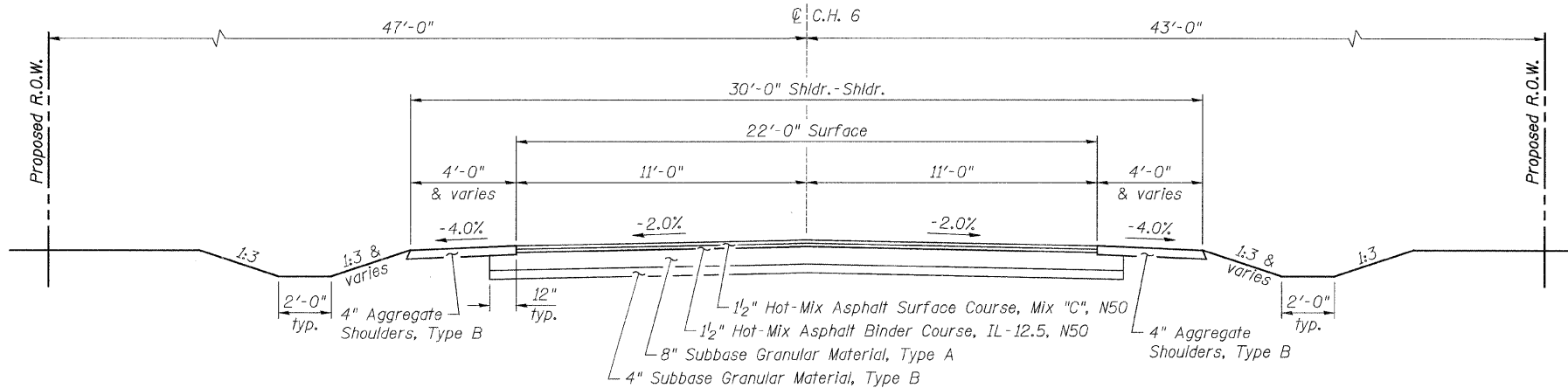
PAVEMENT MIXTURE REQUIREMENTS

Mixture Use:	Binder	Surface
RAP % (Max.):	25%	15%
PG:	PG 64-22	PG 64-22
Design Air Voids:	4.0 @ N50	4.0 @ N50
Mixture Composition: (Gradation Mixture)	IL 12.5	IL 12.5 or 9.5
Friction Aggregate:	N/A	C

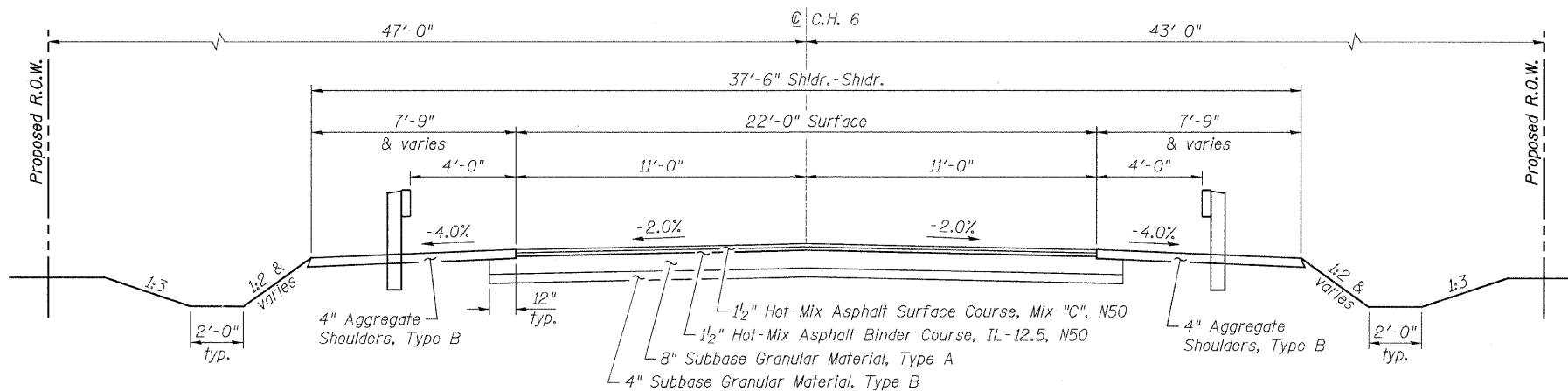
NOTE:
 Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size.



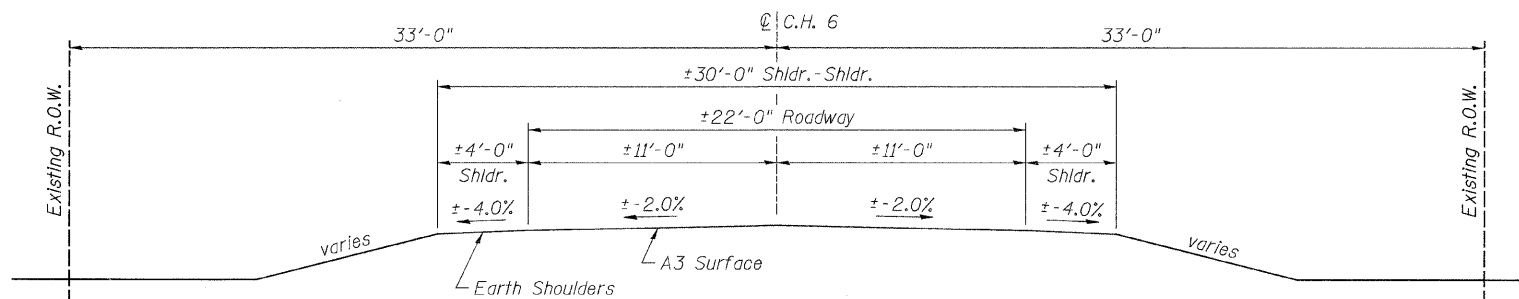
FIELD ENTRANCE DETAIL
 Rt. Sta. 17+40 & Rt. Sta. 22+60



PROPOSED ROADWAY TYPICAL SECTION
 (Sta. 17+00 - 17+70 & Sta. 22+40 - 23+00)



PROPOSED ROADWAY TYPICAL SECTION
 (Sta. 17+70 - 19+67.59 & Sta. 20+42.42 - 22+40)



EXISTING ROADWAY TYPICAL SECTION
 (Looking East)

C.H. 6 - HORIZONTAL CONTROL POINTS					
PT. #	STA.	N	E	EL.	DESCRIPTION
102	13.5' LT. 21+21.0	1624614.94	2152932.27	643.99	I.P.
103	15.7' LT. 25+33.3	1624610.13	2153344.55	654.44	I.P.
714	2.0' LT. 25+93.6	1624595.37	2153404.63	657.88	I.P. (SECTION CORNER)
2017	0.6' RT. 20+00.0	1624602.86	2152811.05	644.72	CHISELED "X"

FILE = S:\Structure\1128406\Brdg - Drawing\1128406_Typical.dgn



DESIGNED - MICHAEL WAGNER	REVISED -
CHECKED - BRIAN CONVERSE	REVISED -
DRAWN - RON ALLEN	REVISED -
CHECKED - BRIAN CONVERSE	REVISED -

MERCER COUNTY
F.A.S. 217 (C.H. 6) OVER MAIDS RUN
STATION 20+05

TYPICAL SECTIONS
STRUCTURE NO. 066-3031

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
217	05-00096-00-BR	MERCER	21	4
WHA* 1128D06		CONTRACT NO. 89432		
ILLINOIS FED. AID PROJECT BRS-0217(102)				