

**C.H. 35 (55TH ST.) STRUCTURAL PAVEMENT DESIGN**

STRUCTURAL DESIGN TRAFFIC (S.D.T.) YEAR 2020  
 PV = 25645 SU = 1050 MU = 215

CLASS I ROAD  
 SUB-GRADE SUPPORT RATING: POOR  
 PERCENT OF S.D.T. IN DESIGN LANE: 50%

TRAFFIC FACTOR = 2.73

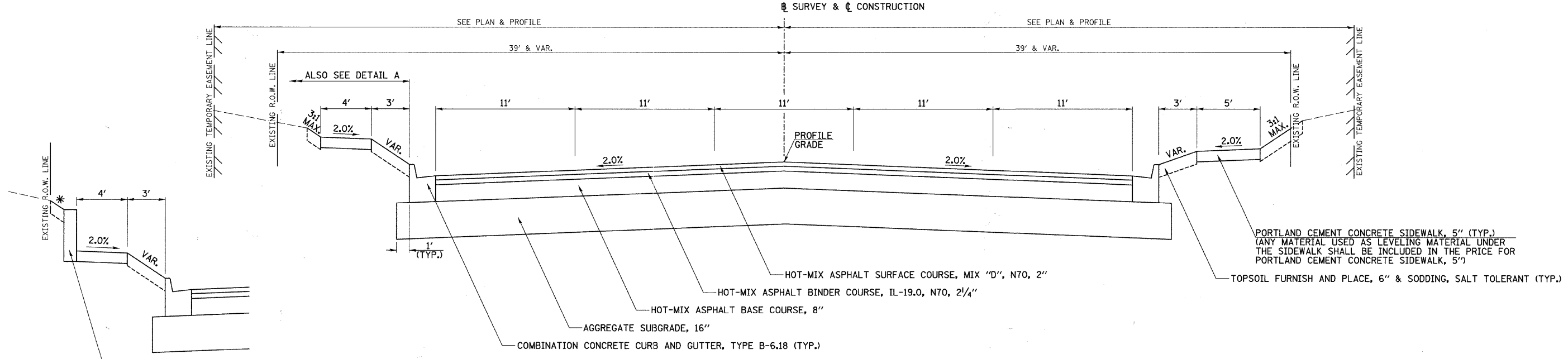
PAVEMENT STRUCTURE MATERIALS RECONSTRUCTION

SURFACE COURSE TYPE: HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"  
 BINDER COURSE TYPE: HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"  
 BASE COURSE TYPE: HOT-MIX ASPHALT BASE COURSE, 8"  
 SUB-BASE TYPE: AGGREGATE SUBGRADE, 16"

**PROPOSED TYPICAL SECTION  
 C.H. 35 (55TH ST.)**

STA. 83+40.00 TO STA. 89+97.96  
 STA. 93+80.66 TO STA. 96+26.67  
 STA. 100+55.52 TO STA. 101+33.03

- \* 3:1 & VARIES (SEE CROSS SECTIONS).
- \*\* VARIES FROM 10.5' AT STA. 85+50.00 TO 11.0' AT STA. 88+10.00.
- \*\*\* VARIES FROM 0' AT STA. 85+50.00 TO 11.0' AT STA. 88+10.00.
- \*\*\*\* 0' FROM STA. 83+40.00 TO STA. 85+50.00  
 VARIES 0' TO 6.5' FROM STA. 85+50.00 TO STA. 88+10.00.  
 6.5' FROM STA. 88+10.00 TO STA. 89+97.96.  
 VARIES 6' TO 3.8' FROM STA. 93+80.66 TO STA. 96+26.67 (LT.).  
 VARIES 5.4' TO 3.6' FROM STA. 93+80.66 TO STA. 96+26.67 (RT.).  
 VARIES 1.5' TO 0' FROM STA. 100+55.52 TO STA. 101+33.03 (LT.).  
 VARIES 1' TO 0' FROM STA. 100+55.52 TO STA. 101+33.03 (RT.).



CAST IN PLACE PORTLAND CEMENT CONCRETE RETAINING WALL #3  
 (SEE SHEETS 150-154)

**PROPOSED TYPICAL SECTION "RECONSTRUCTION"  
 C.H. 35 (55TH ST.)**

STA. 89+97.96 TO STA. 93+80.66

**DETAIL A**  
 STA. 91+00.00 TO STA. 94+45.00

FILE NAME = v:\2791\2791\2805.dgn	USER NAME = shughes	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>C.H. 35 (55TH ST.), PROPOSED TYPICAL SECTIONS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1504	94-00302-00-FP	DU PAGE	240	13
		CHECKED -	REVISED -		SCALE: N/A			SHEET NO. 5 OF 9 SHEETS			CONTRACT NO. 63609	
		DATE -	REVISED -		STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT				