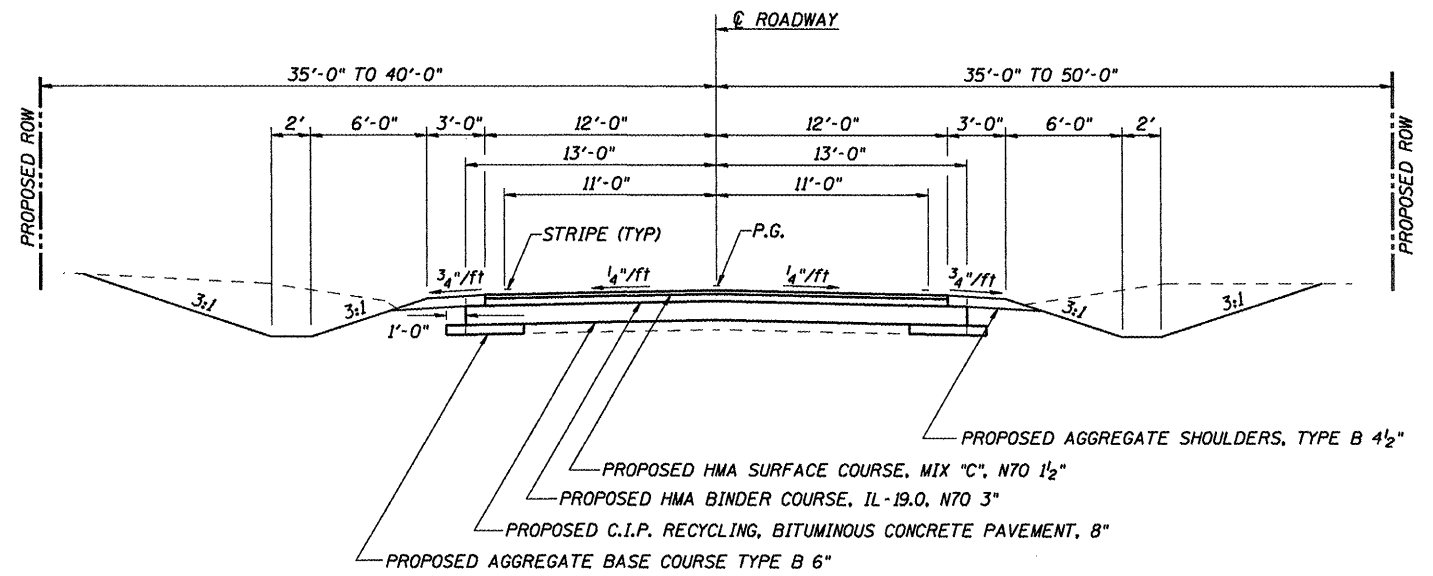
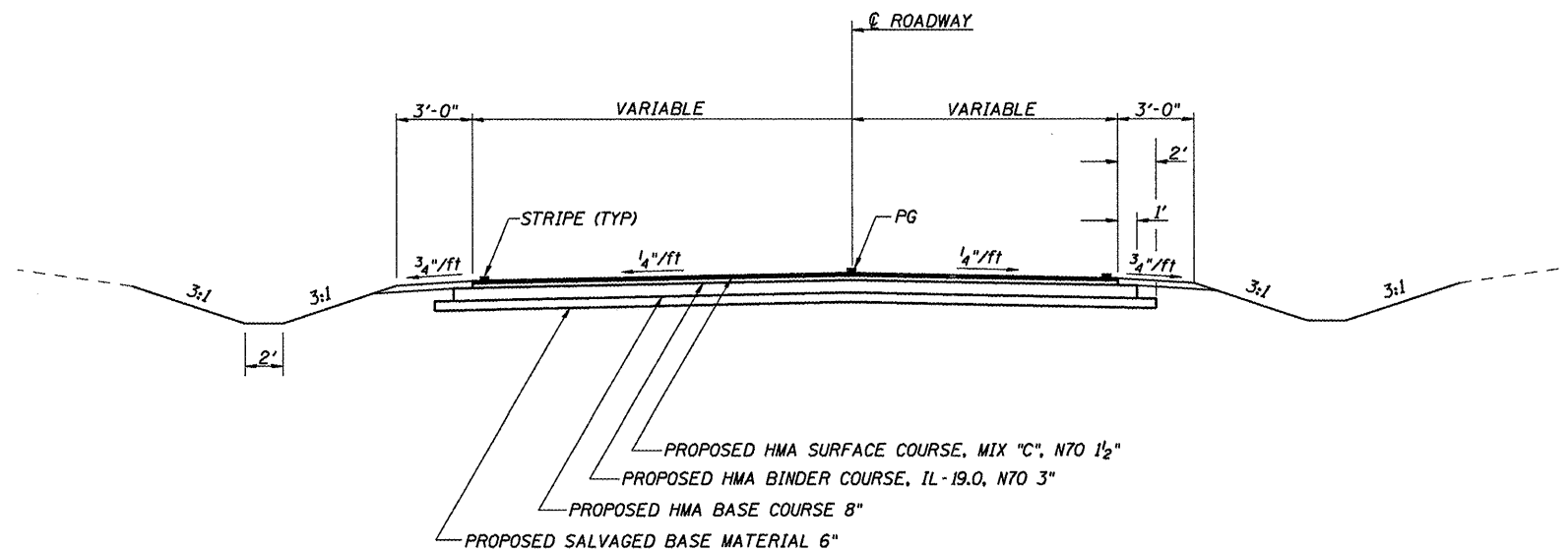


**800TH AVE EXISTING TYPICAL CROSS SECTION**  
STA 157+06.37 TO STA 209+26.76



**800TH AVE PROPOSED TYPICAL CROSS SECTION**  
STA 157+66.61 TO STA 209+26.76



**800TH AVE PROPOSED TYPICAL CROSS SECTION**  
STA 157+06.37 TO STA 157+66.61

**PAVEMENT DESIGN**  
800TH AVE STA 157+66.61 TO STA 209+26.76  
STRUCTURAL DESIGN TRAFFIC YEAR: 2019  
PV = 405 SU = 32 MU = 23  
IBV = 3.0 TRAFFIC FACTOR = 0.123  
PERCENT OF SDT FOR TWO LANES  
PV = 88% SU = 7.0% MU = 5.0%  
HEAVY TRUCKS = 75 TRAFFIC FACTOR = 0.768  
DESIGN TRAFFIC FACTOR = 0.891  
STRUCTURAL NUMBER = 4.10

**PAVEMENT COMPOSITION**  
4.5" HMA A<sub>1</sub> = 0.40  
8" FULL-DEPTH RECYCLING OF FLEXIBLE PAVEMENT A<sub>2</sub> = 0.22  
6.4" EXISTING GRANULAR BASE A<sub>3</sub> = 0.08

CUMMINS  
ENGINEERING  
CORPORATION

|                             |                   |           |
|-----------------------------|-------------------|-----------|
| JOB = 2217                  | DESIGNED - NAK    | REVISED - |
| FILE NAME = 2217.txd        | DRAWN - AJH       | REVISED - |
| PLOT SCALE = 10.0000' / IN. | CHECKED - NAK     | REVISED - |
| PLOT DATE = 2/5/2009        | DATE - 11/03/2008 | REVISED - |

LOGAN COUNTY  
CH 10, TR 199A, TR 92 IMPROVEMENTS

TYPICAL CROSS SECTIONS

| F.A.S. RTE.           | SECTION        | COUNTY | TOTAL SHEETS                  | SHEET NO. |
|-----------------------|----------------|--------|-------------------------------|-----------|
| 566                   | 05-00113-00-WR | LOGAN  | 63                            | 5         |
| CH 10, TR 199A, TR 92 |                |        | CONTRACT NO.                  |           |
| FED. ROAD DIST. NO.   |                |        | ILLINOIS FED. AID PROJECT NO. |           |

93482