

**NEW CULVERTS REQUIRED**

Sta 15123 24" Reinf. Conc. Pipe Length 32 ft.  
Concrete Class A (1-2-4) 33 cu yds. 4.5  
Reinf. steel 123 lbs. 4.7

Sta 21452 24" Reinf. Conc. Pipe Length 36 ft.  
Concrete Class B (1-2-4) 38 cu yds. 4.1  
Reinf. steel 128 lbs. 3.1

Sta 22128 18" Reinf. Conc. Pipe Length 32 ft.  
Concrete Class B (1-2-4) 31 cu yds. 3.1  
Reinf. steel 112 lbs. 3.1

Sta 26154 18" Reinf. Conc. Pipe Length 32 ft.  
Concrete Class B (1-2-4) 31 cu yds. 3.4  
Reinf. steel 112 lbs. 3.1

**CABLE GUARD RAIL REQUIRED**  
RIGHT

Sta 13100-16140 Length 340 ft.  
22106-26170 364  
TOTAL FOR RIGHT 704 FT.

**WOOD GUARD RAIL REQUIRED**  
LEFT

Sta 15112-15136 Length 24 ft.  
21138-21162 24  
22106-23110 24  
26142-26166 24  
RIGHT Length 24 ft.  
TOTAL FOR LEFT 72 FT.

**CURVE #4**  
Δ 21° 18' LT.  
D 7'  
R 810.6  
T 153.9  
L 304.3  
E 14.3

**CURVE #5**  
Δ 1° 58' LT.  
D 1'  
R 5730  
T 98.3  
L 196.6  
E 0.9

