FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	LEXINGTON	0027003		I-20		

I-20 EASTBOUND LANE
I-20
I-20 WESTBOUND LANE

~~I-20 EASTBOUND CURVE DATA~~
P.I. = 148+71.37
Δ = 19° 29' 42" (RT)
D = 1° 00' 07"
T = 982.33'
L = 1,945.68'
E = 83.76'
R = 5,718.32'
D.S. =
eMAX =
e =
P.C. - LG% =
P.T. - LG% =

~~I-20 CURVE DATA~~
P.I. = 148+66.22
Δ = 19° 29' 42" (RT)
D = 1° 00' 26"
T = 977.18'
L = 1,935.47'
E = 83.22'
R = 5,688.32'
D.S. =
eMAX =
e =
P.C. - LG% =
P.T. - LG% =

~~I-20 WESTBOUND CURVE DATA~~
P.I. = 148+61.07
Δ = 19° 29' 42" (RT)
D = 1° 00' 45"
T = 972.03'
L = 1,925.26'
E = 82.88'
R = 5,658.32'
D.S. =
eMAX =
e =
P.C. - LG% =
P.T. - LG% =

I-20 EASTBOUND CURVE DATA
P.I. = 518+29.06
Δ = 11° 31' 40" (LT)
D = 0° 30' 02"
T = 1,155.33'
L = 2,302.85'
E = 58.16'
R = 11,445.85'
D.S. = 60 MPH
eMAX = 0.080 ft./ft.
e = N.C.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 CURVE DATA
P.I. = 517+56.51
Δ = 10° 49' 56" (LT)
D = 0° 30' 06"
T = 1,082.79'
L = 2,159.12'
E = 51.22'
R = 11,420.50'
D.S. = 60 MPH
eMAX =
e =
P.C. - LG% =
P.T. - LG% =

I-20 WESTBOUND CURVE DATA
P.I. = 517+59.35
Δ = 10° 49' 56" (LT)
D = 0° 30' 01"
T = 1,085.63'
L = 2,164.79'
E = 51.35'
R = 11,450.50'
D.S. = 60 MPH
eMAX = 0.080 ft./ft.
e = N.C.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 EASTBOUND CURVE DATA
P.I. = 247+69.37
Δ = 28° 57' 41" (LT)
D = 1° 30' 56"
T = 976.32'
L = 1,910.89'
E = 124.04'
R = 3,780.42'
D.S. = 60 MPH
eMAX = 0.080 ft./ft.
e = 0.039 ft./ft.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 CURVE DATA
P.I. = 247+77.12
Δ = 28° 57' 41" (LT)
D = 1° 30' 13"
T = 984.07'
L = 1,926.05'
E = 125.02'
R = 3,810.42'
D.S. =
eMAX =
e =
P.C. - LG% =
P.T. - LG% =

I-20 WESTBOUND CURVE DATA
P.I. = 247+84.87
Δ = 28° 57' 41" (LT)
D = 1° 29' 31"
T = 991.82'
L = 1,941.22'
E = 126.00'
R = 3,840.42'
D.S. = 60 MPH
eMAX = 0.080 ft./ft.
e = 0.039 ft./ft.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 EASTBOUND CURVE DATA
P.I. = 549+78.47
Δ = 0° 41' 16" (RT)
D = 0° 02' 53"
T = 713.62'
L = 1,427.22'
E = 2.14'
R = 118,904.40'
D.S. = 70 MPH
eMAX = 0.080 ft./ft.
e = N.C.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 EASTBOUND CURVE DATA
P.I. = 799+53.22
Δ = 13° 56' 48" (LT)
D = 0° 29' 26"
T = 1,428.46'
L = 2,842.80'
E = 87.03'
R = 11,678.90'
D.S. = 70 MPH
eMAX = 0.080 ft./ft.
e = R.C.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 CURVE DATA
P.I. = 800+74.11
Δ = 13° 58' 39" (LT)
D = 0° 29' 09"
T = 1,445.62'
L = 2,876.90'
E = 88.28'
R = 11,792.71'
D.S. =
eMAX =
e =
P.C. - LG% =
P.T. - LG% =

I-20 EASTBOUND CURVE DATA
P.I. = 279+85.71
Δ = 26° 10' 38" (RT)
D = 1° 29' 35"
T = 892.26'
L = 1,753.37'
E = 102.36'
R = 3,837.71'
D.S. = 60 MPH
eMAX = 0.080 ft./ft.
e = 0.039 ft./ft.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 CURVE DATA
P.I. = 279+93.90
Δ = 26° 10' 38" (RT)
D = 1° 30' 17"
T = 885.28'
L = 1,739.66'
E = 101.56'
R = 3,807.71'
D.S. =
eMAX =
e =
P.C. - LG% =
P.T. - LG% =

I-20 WESTBOUND CURVE DATA
P.I. = 280+02.09
Δ = 26° 10' 38" (RT)
D = 1° 31' 00"
T = 878.31'
L = 1,725.95'
E = 100.76'
R = 3,777.71'
D.S. = 60 MPH
eMAX = 0.080 ft./ft.
e = 0.039 ft./ft.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 EASTBOUND CURVE DATA
P.I. = 659+86.29
Δ = 1° 09' 47" (LT)
D = 0° 05' 16"
T = 661.76'
L = 1,323.47'
E = 3.36'
R = 65,204.78'
D.S. = 70 MPH
eMAX = 0.080 ft./ft.
e = N.C.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 CURVE DATA
P.I. = 659+56.96
Δ = 1° 09' 44" (LT)
D = 0° 05' 56"
T = 587.06'
L = 1,174.08'
E = 2.98'
R = 57,883.94'
D.S. =
eMAX =
e =
P.C. - LG% =
P.T. - LG% =

I-20 WESTBOUND CURVE DATA
P.I. = 659+57.26
Δ = 1° 09' 44" (LT)
D = 0° 05' 56"
T = 587.36'
L = 1,174.69'
E = 2.98'
R = 57,913.94'
D.S. = 70 MPH
eMAX = 0.080 ft./ft.
e = N.C.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 WESTBOUND CURVE DATA
P.I. = 801+80.29
Δ = 13° 53' 55" (LT)
D = 0° 29' 05"
T = 1,440.39'
L = 2,866.65'
E = 87.46'
R = 11,817.56'
D.S. = 70 MPH
eMAX = 0.080 ft./ft.
e = R.C.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 EASTBOUND CURVE DATA
P.I. = 324+05.82
Δ = 41° 30' 23" (LT)
D = 2° 01' 24"
T = 1,073.07'
L = 2,051.45'
E = 196.49'
R = 2,831.85'
D.S. = 60 MPH
eMAX = 0.080 ft./ft.
e = 0.050 ft./ft.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 CURVE DATA
P.I. = 324+18.65
Δ = 41° 30' 23" (LT)
D = 2° 00' 07"
T = 1,084.44'
L = 2,073.18'
E = 198.57'
R = 2,861.85'
D.S. =
eMAX =
e =
P.C. - LG% =
P.T. - LG% =

I-20 WESTBOUND CURVE DATA
P.I. = 324+31.47
Δ = 41° 30' 23" (LT)
D = 1° 58' 53"
T = 1,095.80'
L = 2,094.91'
E = 200.65'
R = 2,891.85'
D.S. = 60 MPH
eMAX = 0.080 ft./ft.
e = 0.050 ft./ft.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 EASTBOUND CURVE DATA
P.I. = 732+20.42
Δ = 13° 06' 54" (RT)
D = 0° 29' 36"
T = 1,334.79'
L = 2,657.91'
E = 76.47'
R = 11,611.54'
D.S. = 70 MPH
eMAX = 0.080 ft./ft.
e = R.C.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 CURVE DATA
P.I. = 732+73.81
Δ = 13° 06' 18" (RT)
D = 0° 30' 12"
T = 1,307.66'
L = 2,603.92'
E = 74.86'
R = 11,384.37'
D.S. =
eMAX =
e =
P.C. - LG% =
P.T. - LG% =

I-20 WESTBOUND CURVE DATA
P.I. = 732+16.66
Δ = 13° 06' 51" (RT)
D = 0° 30' 07"
T = 1,312.00'
L = 2,612.53'
E = 75.16'
R = 11,414.07'
D.S. = 70 MPH
eMAX = 0.080 ft./ft.
e = R.C.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 EASTBOUND CURVE DATA
P.I. = 398+60.64
Δ = 48° 16' 36" (RT)
D = 2° 27' 52"
T = 1,041.84'
L = 1,958.91'
E = 222.76'
R = 2,324.88'
D.S. = 60 MPH
eMAX = 0.080 ft./ft.
e = 0.057 ft./ft.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

I-20 CURVE DATA
P.I. = 398+70.39
Δ = 48° 16' 36" (RT)
D = 2° 29' 48"
T = 1,028.39'
L = 1,933.64'
E = 219.89'
R = 2,294.88'
D.S. =
eMAX =
e =
P.C. - LG% =
P.T. - LG% =

I-20 WESTBOUND CURVE DATA
P.I. = 398+80.14
Δ = 48° 16' 36" (RT)
D = 2° 31' 47"
T = 1,014.95'
L = 1,908.36'
E = 217.02'
R = 2,264.88'
D.S. = 60 MPH
eMAX = 0.080 ft./ft.
e = 0.057 ft./ft.
P.C. - LG% = 0.50%
P.T. - LG% = 0.50%

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			
TOPO.		DATE	
DWG.		DATE	SQUAD -
R/W		DATE	

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ROAD DESIGN COLUMBIA, S.C.

CURVE DATA

SCALE 1"= RTE. DWG. NO.

helmsrl
\Lexington\P027003_I20\CM027003\CURVE DATA.dgn
26-FEB-2015