



3851 RIVER RIDGE DRIVE NE
CITY HALL
CEDAR RAPIDS, IOWA 52402-7531

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PLANNING TOMORROW'S TRANSPORTATION TODAY

Mt. Vernon Road & 19th Street S.E Intersection Improvement Project

Project Description

Realignment of the 19th St. SE to eliminate offset intersections on Mt. Vernon Road SE and the addition of a westbound left turn lane on Mt. Vernon Road SE. Improvements to the traffic signal phasing and timings will be possible with the elimination of the offset intersections.

- Eliminate the offset legs of the 19th Street approaches to Mt. Vernon Road;
- Increase signal efficiency with one signalized intersections vs two signalized intersections;
- Eliminate of the vehicle storage and lane change traffic safety issues between the offset legs of the existing intersections; and
- Construction of a westbound left turn lane.

The Iowa DOT Commission has approved a Traffic Safety Improvement grant in the amount of \$124,529 for this improvement.

Purpose

To increase safety and intersection capacity.

Local Contact Information

Rob Davis, P.E.
Cedar Rapids Public Works
1201 6th St. SW
Cedar Rapids, IA 52404
Office: (319)286-5808
E-mail: r.davis@cedar-rapids.org

Attachment A - Submittal for all Federal-Aid Projects
FY10 - FY13 TIP
Linn County Regional Planning Commission

Project Description:

Mt. Vernon Road SE and 19th Street SE Intersection Improvement Project. Realignment of 19th Street SE to eliminate offset intersections on Mt. Vernon Road SE and the addition of a westbound left turn lane on Mt. Vernon Road SE. Improvements to the traffic signal phasing and timings will be possible with the elimination of the offset intersections.

Sponsoring Jurisdiction(s):

City of Cedar Rapids

✓	Federal Funding Category	Project Type (from Attachment 2 of application packet)
X	STP Local	Type 1
	TE Local	
	Transit (5307/5309)	

	Federal Funding Source(s)	Proposed \$ Amount	Local & State Funding Source(s)	Proposed \$ Amount	Total Estimated Cost
FY2010					
FY2011					
FY2012					
FY2013	STP Local	\$949,600	CR/TSIP/ICAAP	\$237,400	\$1,187,000
TOTAL		\$949,600		\$237,400	\$1,187,000

Lead Jurisdiction: City of Cedar Rapids

Project Description: PCC Pavement widening and signalization with associated grading & storm sewer.

Project Location: Mt Vernon Road and 19th Street SE






Project Length: - Pavement Width: 58' B-B Pavement Depth: 10" Pavement Typ PCC

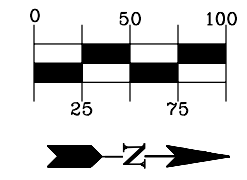
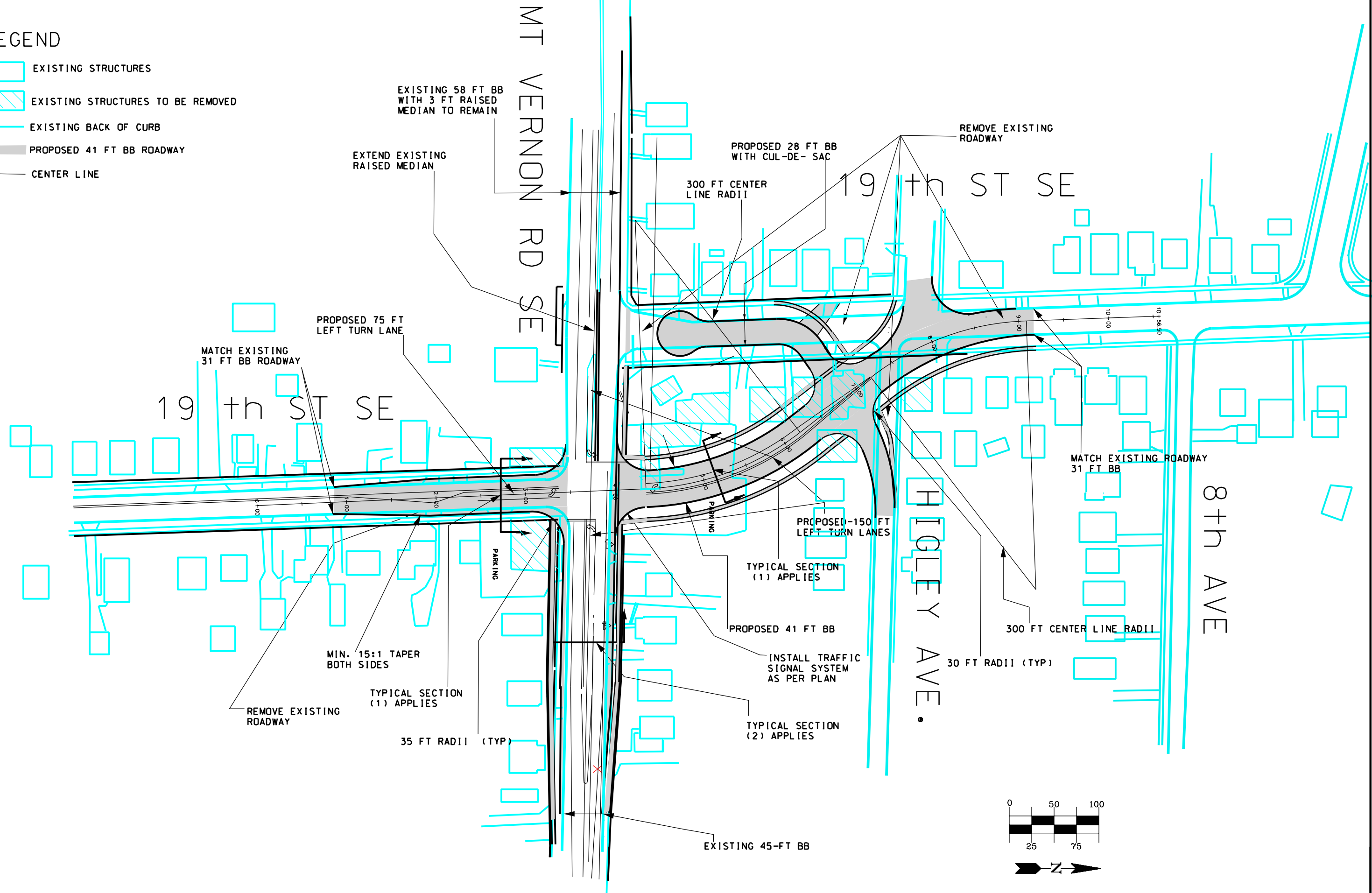
ROW Width: 80' 2007 AADT: 22,300

Item #	Item Description	Quantity	Unit	Unit \$	Total \$	Grading	Structure	Other Construction	Signal (New)	Signal (Replace)	Contingencies ²
1	Mobilization	1	LS	50,000.00	50,000.00			50,000.00			
2	Traffic Control	1	LS	25,000.00	25,000.00			25,000.00			
3	Construction Survey	1	LS	20,000.00	20,000.00			20,000.00			
4	Erosion and Sediment Control	1	LS	2,000.00	2,000.00	2,000.00					
5	Clearing and Grubbing	1	LS	5,000.00	5,000.00	5,000.00					
6	Strip and Respread Topsoil	200	CY	8.00	1,600.00	1,600.00					
7	Remove Existing Intakes	6	EA	500.00	3,000.00			3,000.00			
8	Removal of Existing Street Pavement	3,000	SY	10.00	30,000.00			30,000.00			
9	Removal of Existing Sidewalk Pavement	350	SY	5.00	1,750.00			1,750.00			
10	Removal of Existing Driveway Pavement	450	SY	6.00	2,700.00			2,700.00			
11	Removal of Existing Curb and Gutter	1,100	LF	7.00	7,700.00			7,700.00			
12	Removal of Storm Sewer	700	LF	5.00	3,500.00			3,500.00			
13	Excavation, Class 10, Roadway and Borrow	3,000	CY	8.00	24,000.00	24,000.00					
14	Seeding, Fertilizing and Mulching	3	AC	1,500.00	4,500.00	4,500.00					
15	Granular Backfill	1,000	CY	20.00	20,000.00	20,000.00					
16	Subgrade Preparation	4,900	SY	1.00	4,900.00	4,900.00					
17	Subgrade Stabilization	500	TN	25.00	12,500.00			12,500.00			
18	6" Granular Base	4,900	SY	6.00	29,400.00			29,400.00			
19	Subdrain	1,400	LF	12.00	16,800.00			16,800.00			
20	Subdrain Cleanout	4	EA	600.00	2,400.00			2,400.00			
21	18" RCP Storm Sewer	800	LF	55.00	44,000.00			44,000.00			
22	15" RCP Storm Sewer	150	LF	50.00	7,500.00			7,500.00			
23	Storm Sewer Intakes	12	EA	3,000.00	36,000.00			36,000.00			
24	10" PCC Pavement	3,100	SY	40.00	124,000.00			124,000.00			
25	8" PCC Pavement	1,300	SY	35.00	45,500.00			45,500.00			
26	5" PCC Driveway	250	SY	35.00	8,750.00			8,750.00			
27	4" PCC Sidewalk	1,200	SY	45.00	54,000.00			54,000.00			
28	Pavement Repair	200	SY	70.00	14,000.00			14,000.00			
29	Adjust Structures	5	EA	200.00	1,000.00			1,000.00			
30	Traffic Signals	1	LS	150,000.00	150,000.00					150,000.00	
31	Pavement Markings	1	LS	5,000.00	5,000.00			5,000.00			
32	10% Professional Services				75,650.00			75,650.00			
36	Demolitions	1	LS	200,000.00	200,000.00			200,000.00			
37	15% Contingency				154,820.00						154,820.00
	Total				\$1,186,970.00	\$62,000.00	\$0.00	\$820,150.00	\$0.00	\$150,000.00	\$154,820.00

¹ Includes Engineering, Administrative, and Consulting fees

LEGEND

-  EXISTING STRUCTURES
-  EXISTING STRUCTURES TO BE REMOVED
-  EXISTING BACK OF CURB
-  PROPOSED 41 FT BB ROADWAY
-  CENTER LINE



FILE NAME: DEZIMT.DGN

DRAWN BY: T1H
 APPROVED BY: LJT
 DATE: 10/7 /96

NO.	REVISION DESCRIPTION	APPROVED	DATE

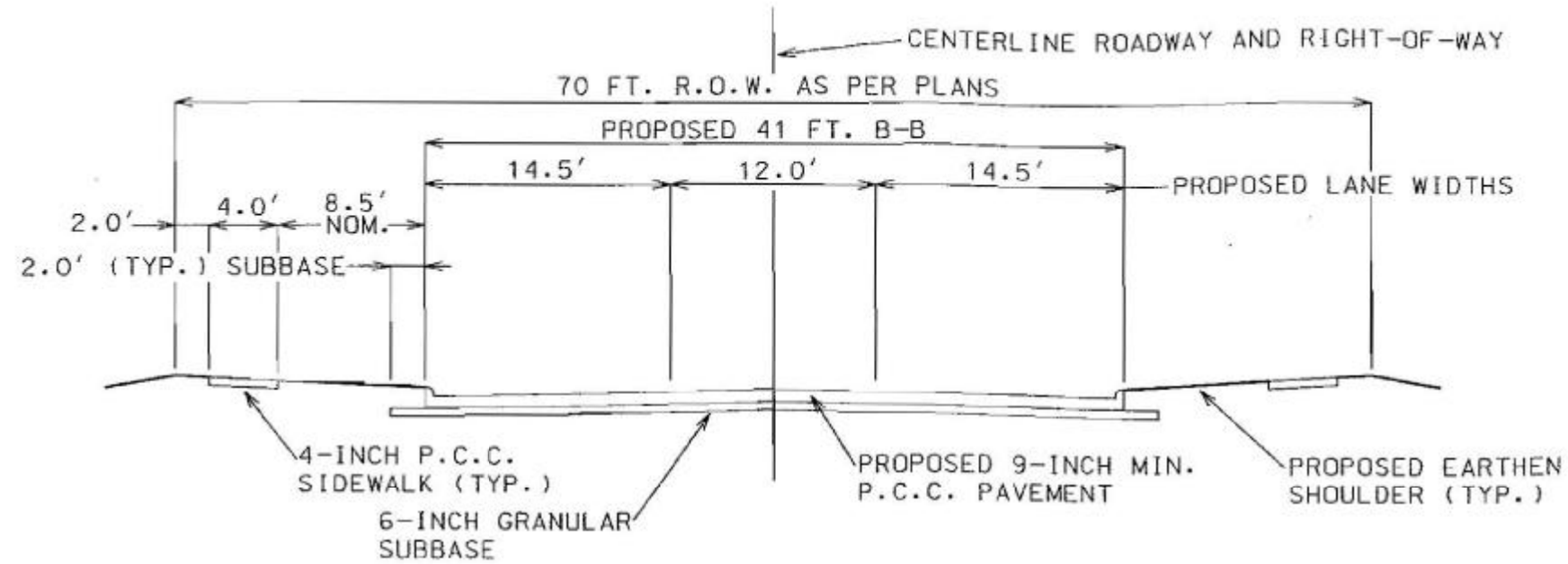


MT VERNON ROAD AND 19th STREET SE
 INTERSECTION IMPROVEMENTS

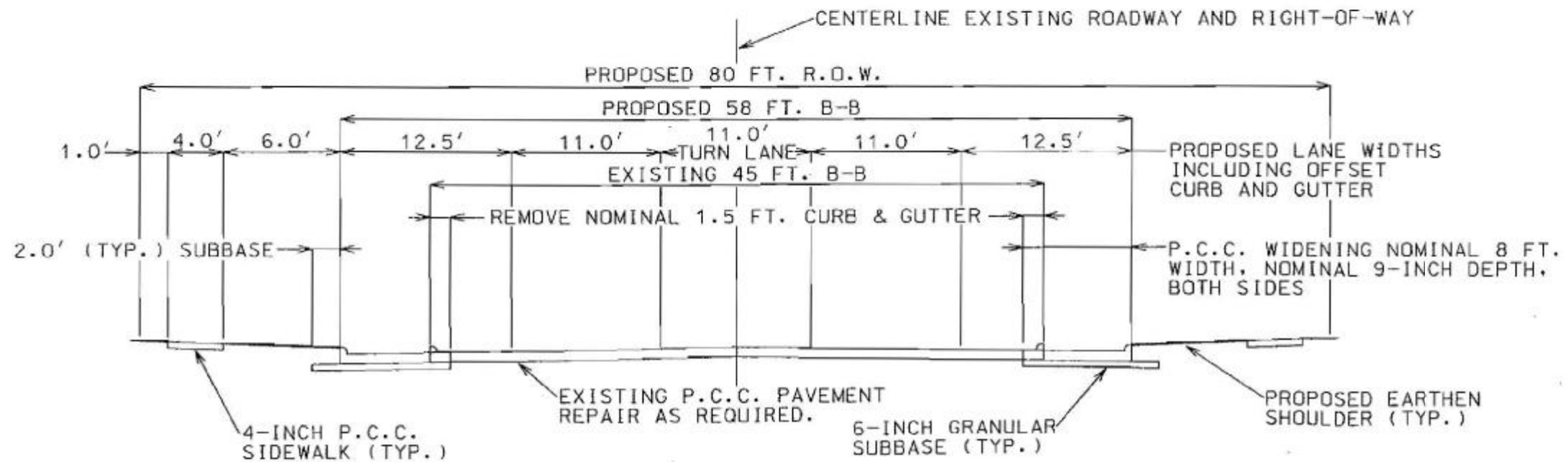
FILE NO:

PROPOSED INTERSECTION IMPROVEMENT
 CONCEPT PLAN

SHEET NO.
 1
 OF
 2



TYPICAL SECTION ① NO SCALE
 19TH STREET, SE. NORTH AND SOUTH OF MT. VERNON ROAD



TYPICAL SECTION ② NO SCALE
 MT. VERNON ROAD, SE. EAST OF 19TH STREET

NO.	REVISION DESCRIPTION	APPROVED	DATE