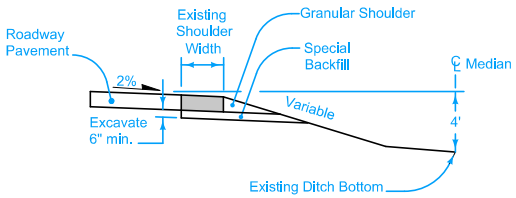
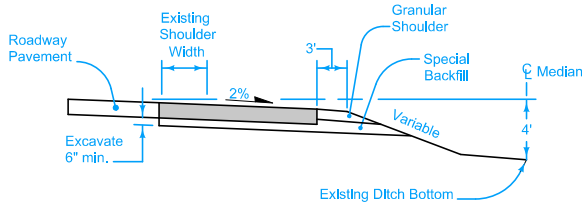
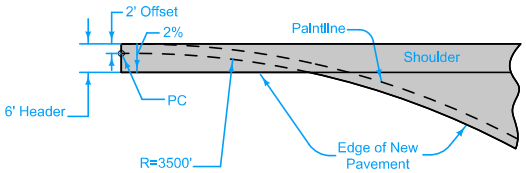


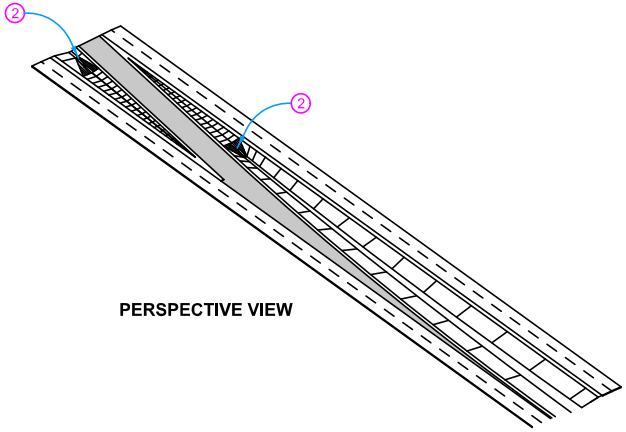
SECTION A-A



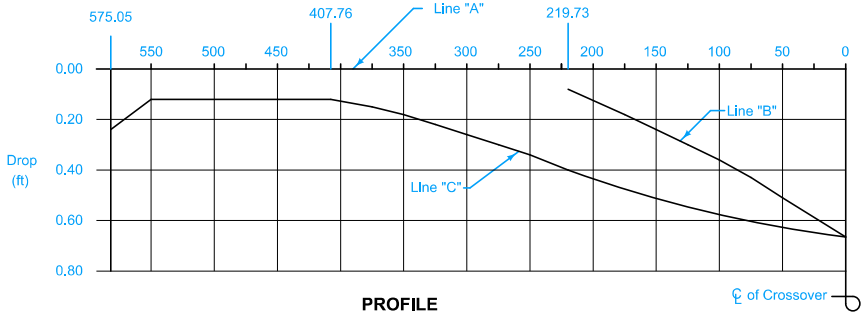
SECTION B-B



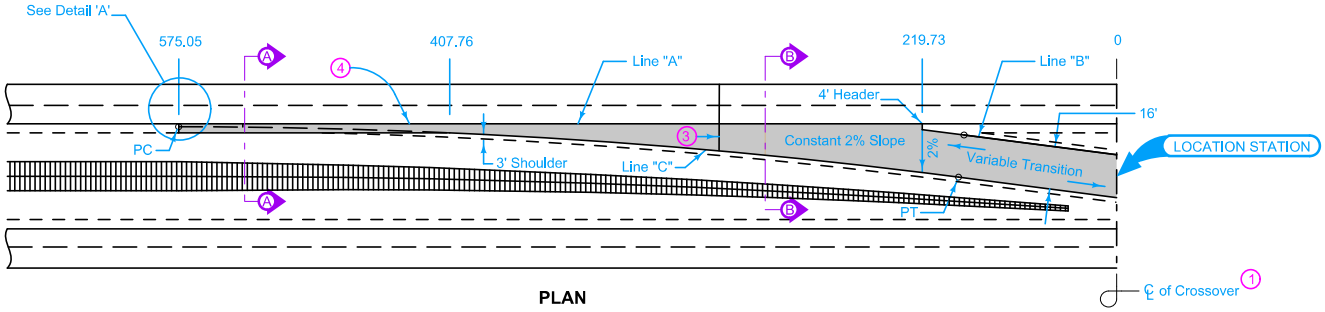
DETAIL 'A'



PERSPECTIVE VIEW



PROFILE



PLAN

Detour Pavement options: 9" PCC or 12" HMA

For joint details, see PV-101.

1. Median crossover is symmetrical about centerline.
2. Median pipe for crossover. See Detail 500-19.
3. For PCC Detour Pavement, match existing roadway joints. 'CD' joints are required.
4. 'KT-2' or 'L-2' joint if mainline pavement is new construction. Bend bars out. 'BT-3' joint if mainline pavement is existing. 'B' joint if Detour Pavement is HMA.

DESIGN QUANTITY TABLE		
Detour Pavement Sq. Yds.	Special Backfill Tons	Granular Shoulder Tons
1525	750	*280

*Quantity based on 8" shoulder depth.

Detour Pavement

Possible Contract Items:
- Detour Pavement
- Embankment In Place
- Excavation, Class 10, Roadway and Borrow
- Excavation, Class 13, Roadway and Borrow
- Granular Shoulder, Type A
- Removal of Pavement
- Special Backfill

Possible Tabulation:
- 112-8

TABLE OF OFFSETS AND DROPS																					
Distance (Feet)	575.05	550	525	500	475	450	407.76	375	350	325	300	275	250	219.73	175	150	125	100	75	50	0
Offset A to C (Feet)	6.00	6.00	6.00	6.00	6.00	6.00	6.00	7.72	9.24	10.94	12.82	14.88	17.13	20.08	24.94	27.91	31.06	34.39	37.91	41.60	49.09
Drop A to C (Feet)	0.24	0.19	0.13	0.12	0.12	0.12	0.12	0.15	0.18	0.22	0.26	0.30	0.34	0.40	0.50	0.56	0.62	0.69	0.86	0.83	0.66
Drop A to B (Feet)														0.08	0.18	0.24	0.30	0.36	0.43	0.51	0.66

Iowa Department of Transportation

STANDARD ROAD PLAN

REVISION	
New	04-15-14

PV-510

SHEET 1 of 1

REVISIONS: New.

Brian Smith
APPROVED BY DESIGN METHODS ENGINEER

MEDIAN CROSSOVER
(82' MEDIAN)
16' WIDE 1 LANE