

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: March 17, 2015
Date of Addendum: February 26, 2015

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
165	93-0141-011	HMA RESURFACING/COLD IN-PLACE RECYCLING	WAYNE	STPN-014-1(11)--2J-93	17MAR165.A01

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No.0230 2318-1001100 COLD IN-PLACE RECYCLED ASPHALT
PAVEMENT:

From: 630,671.300 SY

To: 220,734.900 SY

Change Proposal Line No.0240 2318-1001220 ASPHALT STABILIZING AGENT (FOAMED
ASPHALT):

From: 277.500 TON

To: 693.700 TON

If the above changes are not made, they will be made as shown here.

Add the following to SHEET C.2 ESTIMATE REFERENCE INFORMATION:

Item 12, 2213-2713300, EXCAVATION, CLASS 13, FOR WIDENING, CY Div. 2: ADD
NOTE:

The quantity includes 60 CY for the removal of existing HMA edge rut material at the following
4 locations:

MP 5.38 to 5.95 Rt. 1 ft. wide

MP 5.32 to 5.95 Lt. 1.5 ft. wide

MP 9.72 to 9.95 Rt., 1.5 ft. wide

MP 11.01 to 11.18 Rt., 2 ft. wide

Replace SHEETS B.1 and B.2 with the attached SHEETS B.1 and B.2

2602-A
MODIFIED

- Notes:
- Finished slope shall match existing pavement except that the maximum allowable slope is 3.0 Z, minimum allowable slope is 2.0 Z. Section may be modified as directed by the engineer through areas of special signing.
 - Shoulder material as specified elsewhere in these plans; refer to typical 7135 for "Type B" Granular Surfaced Shoulder".
 - Quantity estimated for 2 courses plus vertical faces of HMA Base Widening units.
 - Edge of Traveled Way to be located at 12 ft. Rt. and Lt. of Centerline. See current Standard Specifications and Road Standards for placement of Edge and Centerline Marking Strips for information. See also Tab 112-10 for locations.
 - Class 13 Excavation and HMA Base per station quantities are shown as totals for both sides.
 - PG 64-22 Asphalt Cement Binder.

**TYPICAL CROSS SECTION
HMA RESURFACING
Division 1 - Urban**

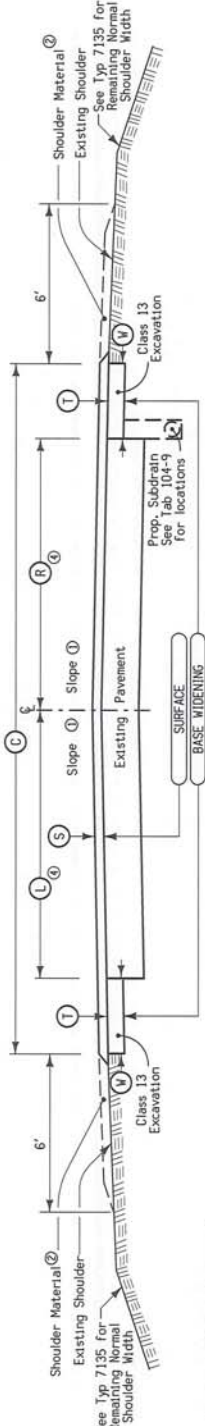


TABLE OF DESIGN QUANTITIES

LOCATION	TOTAL	CL. 13 EXCAVATION	TACK COAT	ASPHALT CEMENT	HMA RESURFACING
ROAD IDENTIFICATION STATION TO STATION	Sta's	Do. Yds.	Gal./Sq. Yd.	Tons	Surf. Sq. Yds.
IA 14	0+19.4 to 10+15	9,556	32	12	12
				32.37	3.08
				14.81	29.52
				4	29.01

DESIGN RATES

ITEM	RATE
Surface Course	147 lbs./cu. ft.
Intermediate Course	147 lbs./cu. ft.
Base Widening	145 lbs./cu. ft.
Asphalt Cement	6.03 per Ton
Tack Coat	0.05 gal./sq. yd.

2602-B
MODIFIED

- Notes:
- Finished slope shall match existing pavement except that the maximum allowable slope is 3.0 Z, minimum allowable slope is 2.0 Z. Section may be modified as directed by the engineer through areas of special signing.
 - Shoulder material as specified elsewhere in these plans; refer to typical 7135 for "Type B" Granular Surfaced Shoulder".
 - Quantity estimated for 2 courses plus vertical faces of HMA Base Widening units.
 - Edge of Traveled Way to be located at 12 ft. Rt. and Lt. of Centerline. See current Standard Specifications and Road Standards for placement of Edge and Centerline Marking Strips for information. See also Tab 112-10 for locations.
 - Class 13 Excavation and HMA Base per station quantities are shown as totals for both sides.
 - PG 64-22 Asphalt Cement Binder.

**TYPICAL CROSS SECTION
HMA RESURFACING
Division 2 - Rural**

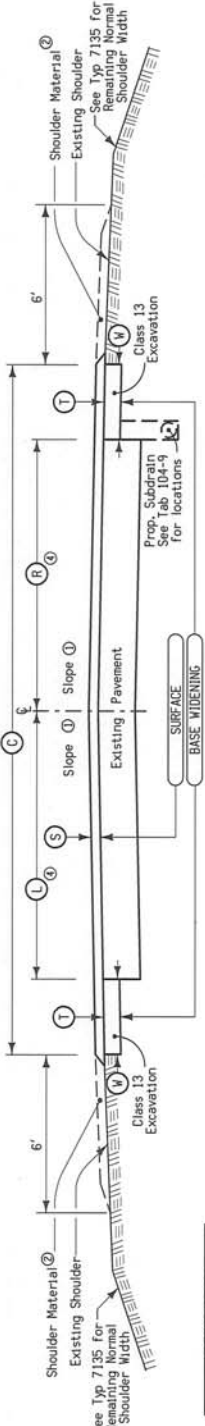


TABLE OF DESIGN QUANTITIES

LOCATION	TOTAL	CL. 13 EXCAVATION	TACK COAT	ASPHALT CEMENT	HMA RESURFACING
ROAD IDENTIFICATION STATION TO STATION	Sta's	Do. Yds.	Gal./Sq. Yd.	Tons	Surf. Sq. Yds.
IA 14	10+15 to 33+25	23,10	32	12	12
				32.37	3.08
				14.81	29.52
				4	29.01

DESIGN RATES

ITEM	RATE
Surface Course	147 lbs./cu. ft.
Intermediate Course	147 lbs./cu. ft.
Base Widening	145 lbs./cu. ft.
Asphalt Cement	6.03 per Ton
Tack Coat	0.05 gal./sq. yd.

2602-C
MODIFIED

- Notes:
- Finished slope shall match existing pavement except that the maximum allowable slope is 3.0 Z, minimum allowable slope is 2.0 Z. Section may be modified as directed by the engineer through areas of special signing.
 - Shoulder material as specified elsewhere in these plans; refer to typical 7135 for "Type B" Granular Surfaced Shoulder".
 - Quantity estimated for 2 courses plus vertical faces of paved shoulder units. (Not a bid item)
 - Provide a vertical edge, incidental to Class 13 Excavation.
 - HMA Base is to be completed after Gold In-Place Recycling has been done. See Tab 108-25A "Staging Notes" on sheet J.1 for more information.
 - Edge of Traveled Way and white painted edge line to be located at 12 ft. Rt. and Lt. of Centerline. See current Standard Specifications and Road Standards for placement of Shoulder Marking Strips for information. See Tab 112-10 for locations.
 - Class 13 Excavation Widening and HMA Base per station quantities are shown as totals for both sides.
 - PG 64-22 Asphalt Cement Binder.
 - See Tab 108-1 for Strengthening Course location.
 - See Note Z, Tab 112-7.

**TYPICAL CROSS SECTION
HMA RESURFACING WITH
COLD IN-PLACE RECYCLING
AND HMA BASE
Division 2 - Rural**

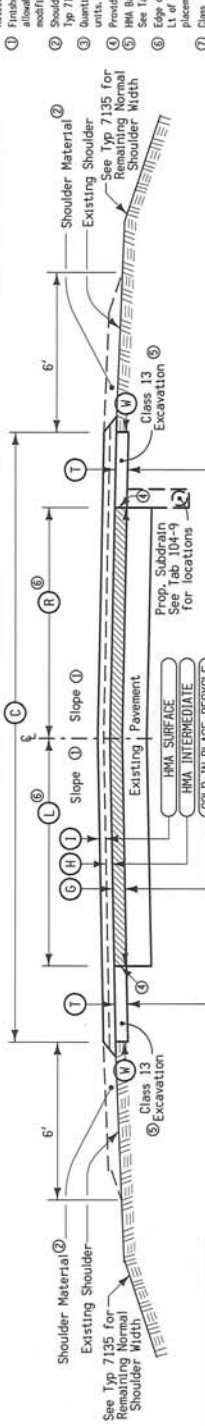


TABLE OF DESIGN QUANTITIES FOR CIP RECYCLE AND HMA RESURFACING

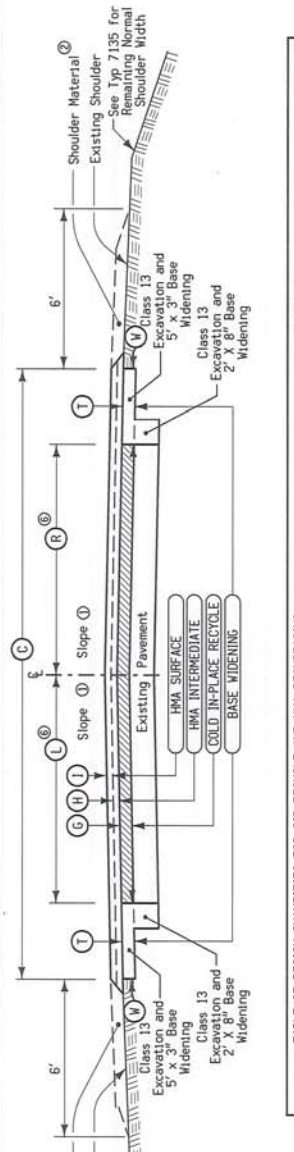
LOCATION	TOTAL	CL. 13 EXCAVATION	TACK COAT	ASPHALT BINDER	HOT MIX ASPHALT SURFACE	INTERMEDIATE BASE	ASPHALT FORMED PAVEMENT
ROAD IDENTIFICATION STATION TO STATION	Sta's	Do. Yds.	Gal./Sq. Yd.	Tons	Surf. Sq. Yds.	Surf. Sq. Yds.	Surf. Sq. Yds.
IA 14	33+25 to 170+80	137,55	32	12	12	12	12
				35.56	4.28	29.53	14.50
				7.41	35.56	29.53	266.67
				4	7.41	29.53	266.67
IA 14	174+24 to 488+30	314,06	32	12	12	12	12
				35.56	4.28	29.53	14.50
				7.41	35.56	29.53	266.67
				4	7.41	29.53	266.67
IA 14	489+00 to 546+20	57,20	32	12	12	12	12
				35.56	4.28	29.53	14.50
				7.41	35.56	29.53	266.67
				4	7.41	29.53	266.67
IA 14	550+30 to 575+50	25,2	32	12	12	12	12
				35.56	4.28	29.53	14.50
				7.41	35.56	29.53	266.67
				4	7.41	29.53	266.67

DESIGN RATES

ITEM	RATE
Surface Course	147 lbs./cu. ft.
Intermediate Course	147 lbs./cu. ft.
HMA Base	145 lbs./cu. ft.
Asphalt Binder - Surf/Bk	5.52 Content
Asphalt Binder - Inter	5.52 Content
Tack Coat	0.05 gal./sq. yd.
Cold In-Place Recycling	14.43 yd
Formed Asphalt	1.0001 tons/sq. yd./ft.

2602-0
MODIFIED

- Notes:
- Finished slope shall match existing pavement except that the maximum allowable slope is 3.0%, minimum allowable slope is 2.0%. Section may be modified as directed by the engineer through areas of special shapng.
 - Shoulder material as specified elsewhere in these plans; refer to Typ 7135 Mod. for "Type B" Granular Surfaced Shoulders.
 - Quantity estimated for 2 courses plus vertical faces of paved shoulder units. (Not a bid item)
 - Provide a vertical edge. Incidental to Class 13 Excavation.
 - HMA Base is to be completed after Cold In-Place Recycling has been done. See Tab 108-58A "Sloping Inlets" on sheet J.11 for more information.
 - Edge of Travelled Way and white painted edge line to be located at 12 ft. RT and LT of Centerline. See current Standard Specifications and Road Standards for placement of Shoulder Marking strips for information. See Tab 112-10 for locations. Markings for base widening and HMA Base per station quantities are shown as follows:
 - Excavation Widening and HMA Base per station quantities are shown as follows:
 - Calculation for HMA Base includes 2" x 4" Base Widening Unit and 5" x 3" Faced Soliders. Tonnage calculated for both sides.
 - PG 64-22 Asphalt Cement Binder.
 - See Note 2, Tab 112-9.



ITEM	RATE
Surface Course	147 lbs/cu. ft.
Intermediate Course	147 lbs/cu. ft.
HMA Base	145 lbs/cu. ft.
High Binder - Surf/Bk	5.52 Contact
Asph Binder - Inter	0.05 gal/sq. yd.
Tack Coat	0.05 gal/sq. yd.
Cold In Place	10.0011 cu/sq. yd.
Formed Asphalt	0.0011 cu/sq. yd.

* Not a bid item

TABLE OF DESIGN QUANTITIES FOR DIP RECYCLE AND HMA RESURFACING

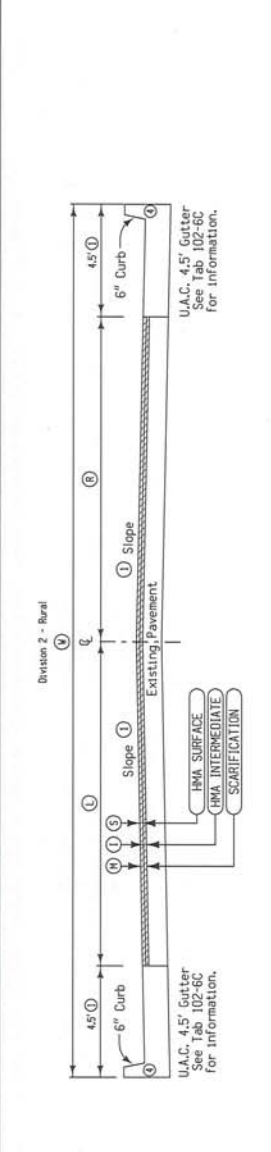
LOCATION	TOTAL	CL. 13 EXCAVATION	ASPHALT COAT	HOT MIX ASPHALT SURFACE	ASPHALT INTERMEDIATE BASE	FORMED ASPHALT PAVEMENT												
ROAD IDENTIFICATION	STATION TO STATION	Stks	Feet	Feet	Feet	Tons												
IA 14	579+50 to 831+45	255.95	32	11	11	3	2	1.5	3	5	15.44	52.94	5.97	29.52	39.72	30.23	244.44	0.81
IA 14	846+10 to 867+60	21.5	32	11	11	3	2	1.5	3	5	15.44	52.94	5.97	29.52	39.72	30.23	244.44	0.81

DESIGN RATES

ITEM	RATE
Surface Course	147 lbs/cu. ft.
Intermediate Course	147 lbs/cu. ft.
Tack Coat	0.05 gal/sq. yd.
Binder	5.52

2205-A
MODIFIED

- Notes:
- Finished slope shall match existing pavement except that the maximum allowable slope is 3.0%, minimum allowable slope is 2.0%. Section may be modified as directed by the engineer through areas of special shapng.
 - Estimated for 2 applications. Not a Bid Item.
 - Scarification will be approximately a nominal 2" at centerline. The intent of the Scarification operation is to remove 2" of the existing 3" HMA pavement while preserving the underlying 1.5" FRC pavement section.
 - Scarification will be approximately a nominal 2" at centerline. The intent of the Scarification operation is to remove 2" of the existing 3" HMA pavement while preserving the underlying 1.5" FRC pavement section.
 - U.A.C. 4.5' Gutter See Tab 102-6C for information.

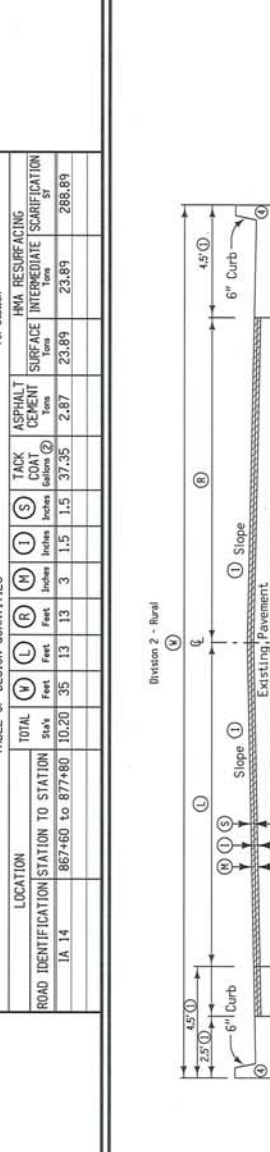


DESIGN RATES

ITEM	RATE
Surface Course	147 lbs/cu. ft.
Intermediate Course	147 lbs/cu. ft.
Tack Coat	0.05 gal/sq. yd.
Binder	5.52

2205-B
MODIFIED

- Notes:
- Finished slope shall match existing pavement except that the maximum allowable slope is 3.0%, minimum allowable slope is 2.0%. Section may be modified as directed by the engineer through areas of special shapng.
 - Estimated for 2 applications. Not a Bid Item.
 - Scarification will be approximately a nominal 2" at centerline. The intent of the Scarification operation is to remove 2" of the existing 3" HMA pavement while preserving the underlying 1.5" FRC pavement section.
 - Scarification will be approximately a nominal 3" along the gutter line. The intent of the Scarification operation is to remove the existing HMA and approximately 1" FRC gutter line pavement section. This operation shall create a vertical face adjacent to the curb along the gutterline for a HMA surface match. Special shapng at inlets included.
 - PG 70-28 Asphalt Cement Binder.



DESIGN RATES

ITEM	RATE
Surface Course	147 lbs/cu. ft.
Intermediate Course	147 lbs/cu. ft.
Tack Coat	0.05 gal/sq. yd.
Binder	5.52

TABLE OF DESIGN QUANTITIES

LOCATION	TOTAL	(V)	(L)	(R)	(M)	(I)	(S)	ASPHALT CEMENT SURFACE	HMA RESURFACING SURFACE	SCARIFICATION			
ROAD IDENTIFICATION	STATION TO STATION	Stks	Feet	Feet	Feet	Feet	Feet	Tons	Tons	Tons			
IA 14	867+60 to 877+60	10.20	35	13	13	3	1.5	1.5	37.35	2.87	23.89	23.89	288.89

TABLE OF DESIGN QUANTITIES

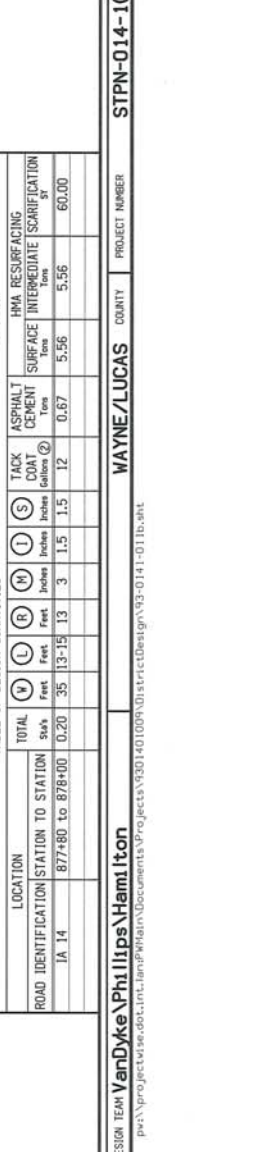
LOCATION	TOTAL	(V)	(L)	(R)	(M)	(I)	(S)	ASPHALT CEMENT SURFACE	HMA RESURFACING SURFACE	SCARIFICATION			
ROAD IDENTIFICATION	STATION TO STATION	Stks	Feet	Feet	Feet	Feet	Feet	Tons	Tons	Tons			
IA 14	877+80 to 878+00	0.20	35	13	13	3	1.5	1.5	12	0.67	5.56	5.56	60.00

DESIGN RATES

ITEM	RATE
Surface Course	147 lbs/cu. ft.
Intermediate Course	147 lbs/cu. ft.
Tack Coat	0.05 gal/sq. yd.
Binder	5.52

2602-0
MODIFIED

- Notes:
- Finished slope shall match existing pavement except that the maximum allowable slope is 3.0%, minimum allowable slope is 2.0%. Section may be modified as directed by the engineer through areas of special shapng.
 - Estimated for 2 applications. Not a Bid Item.
 - Scarification will be approximately a nominal 2" at centerline. The intent of the Scarification operation is to remove 2" of the existing 3" HMA pavement while preserving the underlying 1.5" FRC pavement section.
 - Scarification will be approximately a nominal 3" along the gutter line. The intent of the Scarification operation is to remove the existing HMA and approximately 1" FRC gutter line pavement section. This operation shall create a vertical face adjacent to the curb along the gutterline for a HMA surface match. Special shapng at inlets included.
 - PG 70-28 Asphalt Cement Binder.



DESIGN RATES

ITEM	RATE
Surface Course	147 lbs/cu. ft.
Intermediate Course	147 lbs/cu. ft.
Tack Coat	0.05 gal/sq. yd.
Binder	5.52