

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: June 19, 2012
Date of Addendum: June 14, 2012

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
108	65-5341-081-C	PCC PAVEMENT - GRADE AND NEW	MILLS	NHSX-534-1(81)--3H-65	19JUN108.A01

Notice: Only the bid proposal holders receive this addendum and responsibility for notifying any potential subcontractors or suppliers remains with the proposal holder.

Attached is a SCHEDULE OF PRICES for the following item:

Line No. 0851 2417-1040015 CULVERT, CORRUGATED METAL ENTRANCE
PIPE, 15 IN. DIA.

Bid this item as instructed and submit the bid for this item with the Bid Proposal.

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Line No. 0020 2102-0425070 SPECIAL BACKFILL from 23,011.000 TON to
33,813.000 TON.

Change Line No. 0090 2111-8174100 GRANULAR SUBBASE from 111,798.800 SY to
101,876.700 SY

Change Line No. 0100 2115-0100000 MODIFIED SUBBASE from 4,084.300 CY to
3,904.100 CY

Change Line No. 0140 2122-5500060 PAVED SHOULDER, HOT MIX ASPHALT
MIXTURE, 6 IN. from 33,153.000 SY to 20,409.200 SY

Change Line No. 0180 2301-1003080 STANDARD OR SLIP-FORM PORTLAND
CEMENT CONCRETE PAVEMENT, QM-C, CLASS 3 DURABILITY, 8 IN. from
14,393.300 SY to 15,723.000 SY

Change Line No. 0190 2301-1003100 STANDARD OR SLIP-FORM PORTLAND
CEMENT CONCRETE PAVEMENT, QM-C, CLASS 3 DURABILITY, 10 IN. from
115,182.800 SY to 103,284.800 SY

Change Line No. 0200 2301-9090000 QUALITY MANAGEMENT - CONCRETE (QM-
C) from 35,194.000 CY to 32,184.200 CY

Change Line No. 0210 2304-0100000 DETOUR PAVEMENT from 10,070.300 SY to 9,317.100 SY

If the quantities are not changed on the proposal form, the bid amounts will be extended using the unit price times the correct quantities as shown here.

Make the following change to plan sheet B.3:

Replace plan sheet B.3 with attached plan sheet B.3

Note: Corrected ramp stationing

Make the following change to plan sheet B.4:

Replace plan sheet B.4 with attached plan sheet B.4

Note: Corrected 190th North and 190th AR stationing

Make the following change to plan sheet B.7:

Replace plan sheet B.7 with attached plan sheet B.7

Note: Corrected Paved Shoulder and Special Backfill quantities

Make the following change to plan sheet C.2:

Item No. 2 Special Backfill:

Change the third sentence to say "Includes 16,944 tons for Subbase.

Change the 5th sentence to say "Includes 8,484 tons for paved shoulders."

Make the following change to plan sheet C.9:

Replace plan sheet C.9 with attached plan sheet C.9

Make the following change to plan sheet C.13:

Replace plan sheet C.13 with attached plan sheet C.13

Note: Added 5" HMA surface and base to Tab. 102-5

Make the following change to plan sheet C.19:

Replace plan sheet C.19 with attached plan sheet C.19

Make the following change to plan sheet J.01:

On Tab. 108-26A, Move the following notes from Stage 2B, Construction to Stage 2A ,
Construction:

- G&P Detour WB Rt turn lane for Ramp D
- G&P Detour for returns on Ramp B

PROPOSAL ADDENDUM - SCHEDULE OF PRICES

Proposal ID No.: 65-5341-081-C
 Primary Work Type: PCC PAVEMENT - GRADE AND NEW
 Primary County: MILLS
 Bid Order No.: 108
 Letting Date: June 19, 2012
 10:00 A.M.

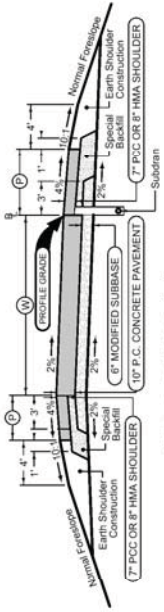
ITEMS LISTED ON THIS PAGE ARE ADDED BY ADDENDUM 19JUN108.A01

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
Section 0001 (CONTINUED)						
ROADWAY ITEMS						
0851	2417-1040015 CULVERT, CORRUGATED METAL ENTRANCE PIPE, 15 IN. DIA	220.000 LF
Total Bid		

Paved Shoulder Alternates

PCC Shoulder Joining: BT-1 or BT-3
 Longitudinal joint: B
 Transverse joints: C at 20' spacing
 HMA Shoulder Joining: B
 Longitudinal joint: B

Ramp	BEGIN STATION	END STATION	Feet	(P)
Ramp A	1145+50	1158+50	4	4
Ramp B	2231+25	2245+17.5	4	4
Ramp C	3428+17.5	3445+81.8	4	4
Ramp D1	5445+00	5455+21.3	4	4
Ramp D2	6448+50	6451+62.4	4	4
Ramp G	158+50	174+50	4	4
Ramp H	215+88	227+00	4	4



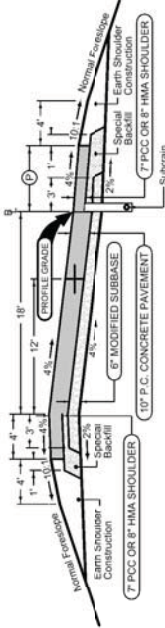
Section shown in the direction of traffic.
 Manning's Joining:
 Transverse joints: CD at 20' spacing
 Longitudinal joint: L-2

Ramp	BEGIN STATION	END STATION	Feet	(W)
Ramp A	1145+50	1158+50	16'	16'
Ramp B	2231+25	2245+60.8	16'	16'
Ramp C	3428+17.5	3445+90.0	16'-11"	16'
Ramp D1	5445+00	5455+21.3	16'	16'
Ramp D2	6448+50	6451+62.4	16'-11"	16'
Ramp G	158+50	174+50	16'	16'
Ramp H	215+88	227+00	16'	16'

Future Paved Shoulder Alternates

PCC Shoulder Joining: BT-1 or BT-3
 Longitudinal joint: B
 Transverse joints: C at 20' spacing
 HMA Shoulder Joining: B
 Longitudinal joint: B

Ramp	BEGIN STATION	END STATION	Feet	(P)
Loop G	141+21.6	129+69.7	4	4
Loop H	248+00.7	250+53.1	4	4



Section shown in the direction of traffic.
 Manning's Joining:
 Transverse joints: CD at 20' spacing
 Longitudinal joint: L-2

Ramp	BEGIN STATION	END STATION	Feet
*Loop G	141+21.6	129+69.7	
*Loop H	248+00.7	250+53.1	
*Future Paving			

Paved Shoulder Alternates

PCC Shoulder Joining: BT-1 or BT-3
 Longitudinal joint: B
 Transverse joints: C at 20' spacing
 HMA Shoulder Joining: B
 Longitudinal joint: B

Ramp	BEGIN STATION	END STATION	Feet	(P)
Ramp A	1145+50	1158+50	6	6
Ramp B	2231+25	2246+03.7	6	6
Ramp C	3428+17.5	3445+55.4	6	6
Ramp D1	5445+00	5455+21.3	6	6
Ramp D2	6448+50	6451+62.4	6	6
Ramp G	158+50	174+50	6	6
Ramp H	215+88	231+24.8	6	6

Future Paved Shoulder Alternates

PCC Shoulder Joining: BT-1 or BT-3
 Longitudinal joint: B
 Transverse joints: C at 20' spacing
 HMA Shoulder Joining: B
 Longitudinal joint: B

Ramp	BEGIN STATION	END STATION	Feet	(P)
Loop G	141+21.6	129+69.7	0	0
Loop H	248+00.7	250+53.1	5	5

See Tab 100-24 for pavement quantities.
 See Tab 112-9 for shoulder quantities.

I-29 Ramps

ENGLISH IOWA DOT DESIGN TEAM: Skogerboe\Strum

MILLS COUNTY PROJECT NUMBER: NH5X-534-1(81)-3H-65

SHEET NUMBER: B.3

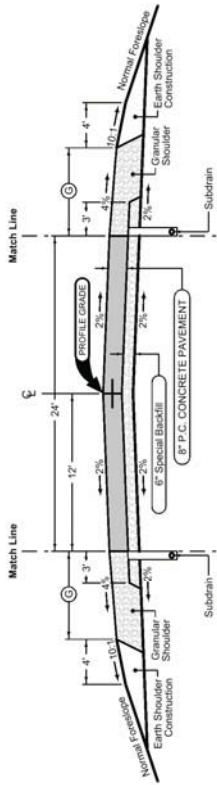
PROJECT NUMBER: NH5X-534-1(81)-3H-65

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Granular Shoulder

Side Road	STATION TO STATION	Feet
190th North	5378+38.7	5442+72
190th South	5389+28.3	5417+21.7
190th AR	25430+50	25438+36



Marking Joining
 Longitudinal joints: CD at 20' spacing
 Longitudinal joint: L-2

Side Road	BEGIN STATION	END STATION
190th North	5429+38.7	5442+72
190th South	5389+28.3	5417+21.7
190th AR	25430+50	25438+36

Granular Shoulder

Side Road	STATION TO STATION	Feet
190th North	5378+38.7	5442+72
190th South	5389+28.3	5417+21.7
190th AR	25430+50	25438+36

See Tab 100-24 for pavement quantities.
 See Tab 112-9 for shoulder quantities.

190th Street

SHEET NUMBER **B.4**

PROJECT NUMBER **NHSX-534-1(81)-3H-65**

COUNTY **MILLS**

CITY **MILLS**

DESIGN TEAM **Skogerboe/Strum**

ENGLISH

6/8/2012

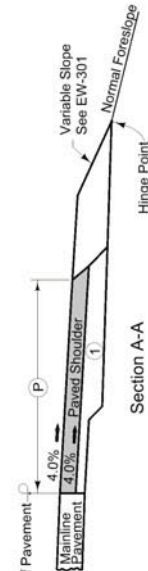
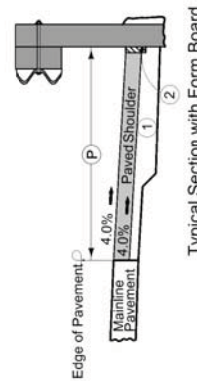
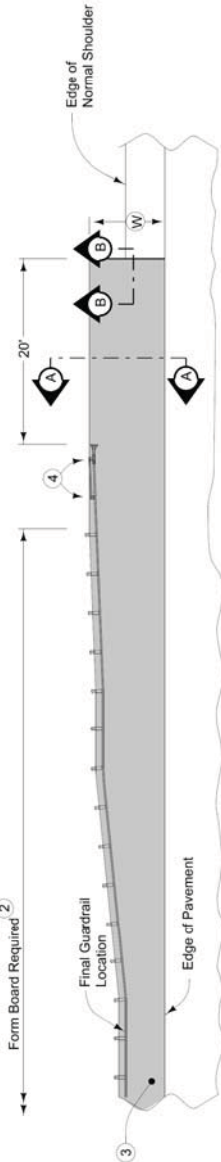
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6" HMA Paved Shoulder at guardrail. 7" PCC may be substituted with the following jointing layout.

Match mainline pavement joint spacing. When mainline pavement is 8" or greater in thickness, place additional transverse joints in shoulder at mid-panel of the mainline pavement. Place longitudinal joint at W/2 from edge of mainline pavement when W is greater than 10' wide. Terminate longitudinal joint at transverse joint less than 10' in length.

Compaction of HMA is required to face of guardrail post. Hand compaction will be allowed under guardrail. Removal & reinstatement of guardrail will be allowed with no additional payment.

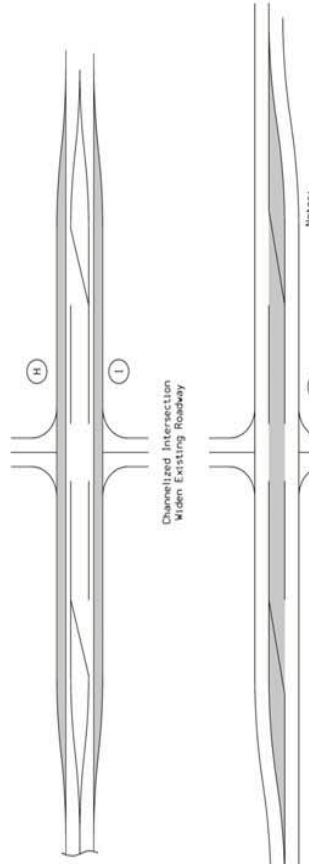
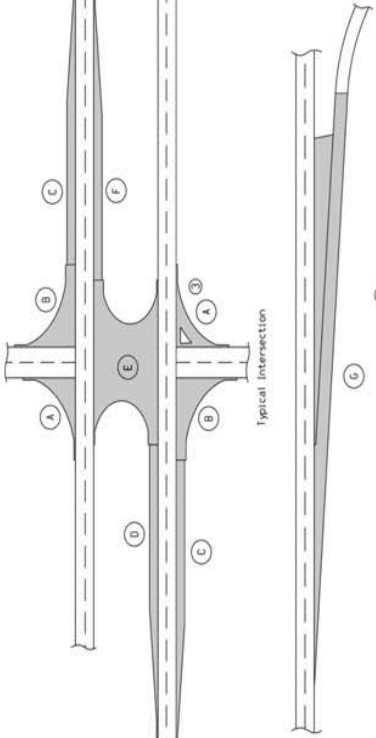
- 1 6" subgrade treatment.
- 2 When guardrail posts are installed prior to construction of paved shoulder, nail 1" x 6" untreated form boards along the face of guardrail posts for the length shown. This board is to prevent shoulder material from contacting the sides of the posts and altering the function of the guardrail. Form board not required for final Z posts.
- 3 Continue paved shoulder to existing paved shoulder or 20' beyond the end of guardrail.
- 4 Shoulder may be notched for final Z posts or post sleeves may be installed through pavement.



Road Identification	Location		Subgrade Treatment	Paved Shoulder	Remarks
	Station To Station	Side			
ML034	440+77.3	Lt	11.9	45.6	
ML034	441+11.8	Lt	11.9	47.0	
ML034	441+49.1	Lt	10.6	19.1	
ML034	442+37	Lt	10.6	4.4	
ML034	442+48.37	Lt	10.6	15.1	
ML034	442+86.64	Lt	7.0	17.0	
ML034	441+86.47	Rt	10.3	18.7	
ML034	442+20.61	Rt	10.3	38.8	
ML034	442+58.17	Rt	9.3	19.7	
ML034	442+68.17	Rt	9.3	22.0	
ML034	442+82.59	Rt	7.0	19.8	
ML034	446+92.92	Rt	7.0	13.6	
ML034	447+46.02	Rt	7.0	9.5	
ML034	447+70.78	Rt	7.0	7.2	
ML034	448+08.59	Rt	9.5	11.0	
ML034	448+43.12	Rt	11.0	12.5	
ML034	446+96.53	Lt.	3.0	5.5	
ML034	447+37.02	Lt.	3.0	4.2	
ML034	447+49.28	Lt.	4.2	8.3	
ML034	447+73.51	Lt.	4.2	8.3	
ML034	447+73.51	Lt.	8.3	9.8	
ML034	448+11.04	Lt.	9.8	17.4	
ML034	448+46.38	Lt.	9.8	17.4	
ML034	472+98.25	Lt	12.6	17.1	
ML034	473+32.79	Lt	12.6	11.5	
ML034	473+70.38	Lt	11.5	7.6	
ML034	473+70.38	Lt	11.5	7.6	
ML034	475+32.57	Lt	7.6	12.9	
ML034	473+40.28	Rt	13.5	48.5	
ML034	474+12.18	Rt	13.5	11.9	
ML034	474+99.45	Rt	11.9	29.7	
ML034	475+24.83	Rt	9.3	12.8	
ML034	475+77.29	Rt	9.3	12.8	
ML034	478+63.06	Rt	9.2	19.9	
ML034	478+03.06	Rt	9.2	11.7	
ML034	478+27.82	Rt	11.7	13.2	
ML034	478+27.82	Rt	11.7	24.6	
ML034	478+65.63	Rt	13.2	23.6	
ML034	479+00.16	Rt	13.2	23.6	
ML034	477+98.08	Lt.	7.5	12.9	
ML034	477+98.08	Lt.	7.5	10.0	
ML034	478+22.84	Lt.	10.0	11.3	
ML034	478+60.65	Lt.	10.0	16.6	
ML034	478+60.65	Lt.	11.5	16.0	
ML034	478+60.65	Lt.	11.5	44.2	

PAVED SHOULDER AT GUARDRAIL

TABLATION OF PAVEMENT



- Notes:
- ① Quantity Includes Pavement Header.
 - ② Quantity Includes Island Pavement.
 - ③ Raised Island Pavement is not Included in Area.
 - ④ Refer to PR-410, PR-411, PR-412, and PR-414.

Road Identification	Location			Area												Total Area By Pavement Thickness		Island Information		Remarks					
	Station to Station	Width	Length	Area	Area												8 IN	SY	Island		SY				
					A	B	C	D	E	F	G	H	I	J	K	L						M	N		
U.S. 34 EB																									
256+01.0	442+74.8	26.0	18673.8	53946.5													53946.5								
447+58.8	475+15.0	26.0	2756.2	7962.4													7962.4								
475+20.9	482+52.0	26.0	442.0	1276.9													1276.9								
---	417+80.0			899.4	872.4												899.4								
--	427+80.0			899.4	872.4												899.4								
429+90.0	437+80.3			830.1	789.2	686.8											1476.0								
447+25.0	451+41.2			483.8													483.8								
U.S. 34 WB																									
381+00.0	385+00.0	26.0	400.0	1155.6													1155.6								
415+20.0	429+60.0	26.0	1440.0	4160.0													4041.6								
5389+28.3	5417+21.7	24.0	2793.4	7491.1	357.6	304.0											8110.7								
5428+38.7	5442+72.0	24.0	1433.3	3821.1	356.3	315.6											4994.0								
25438+50.0	25433+80.0	24.0	250.0	666.7	315.6	384.6											1366.9								
19001 St Access Rd	25433+80.0	24.0	536.0	1429.4													1751.4								
U.S. 34 Ramp 'G' Taper																									
441+38.5	442+72.7			501.3													501.3								
U.S. 34 Ramp 'A' Taper																									
158+50	158+50			1616.7													1616.7								
7424+72.0	7431+38.7			963.4													963.4								
7411+50.0	7426+18.0			2957.4													2957.4								
7465+20.0	7477+50.0			1803.3													1803.3								
6931+62.40	6480+65.87			1582.3													1582.3								
7474+50.0	7485+36.0			2135.5													2135.5								
U.S. 34 Ramp 'A'																									
1145+50.0	1158+50.0	16.0	1300.0	2311.1													2311.1								
2231+25.0	2245+90.8	16.0	1465.8	2605.8	50.0												2655.8								
3426+18.0	3446+00.0	16.0	1982.0	3523.5	41.0	468.5											4033.0								
5445+00.0	5465+21.0	16.0	2021.0	3592.9													3592.9								
6484+50.0	6451+62.4	16.0	1312.4	2355.4													2355.4								
U.S. 34 Ramp 'G'																									
216+88.0	227+80.0	16.0	1012.0	1799.1													1799.1								
Detour Pavement																									
Stage 1A																									
Median Crossover																									
Stage 1B																									
U.S. 34 WB Crossover Stg 1B	547+78.0	24.0		1644.6													1644.6								
Ramp 'A' & 'C' Crossing																									
Ramp 'B' & 'D' Crossing																									
U.S. 34 Rt. Turn Lane	453+16.6	457+30.0		94.3	421.5												94.3								
Stage 3A																									
Ramp 'A' Detour	11430+75.2	16.0		710.8	210.2	46.4											876.4								
Ramp 'D' Detour	12450+69.0	16.0		570.3	11.0	278.0											859.9								

Road Identification		Begin Station	End Station	Proposed Posted Speed		Remarks
US 34				35 or Less	40 - 45	Over 45
198th St.		4374+50.0	4382+50.0		X	
198th St.	South	4379+50.0	4387+50.0	X		
198th St.	North	5389+28.3	5417+80.0	X		
Hammond Ave		5427+80.0	5443+33.0	X		
Ramp A		8442+40.0	8451+92.0	X		
Ramp B		1144+35.4	1158+50.0	X		
Ramp C1		2231+25.0	2245+90.4	X		
Ramp C2		2245+90.4	2259+50.0	X		
Ramp D1		5445+30.0	5465+30.0	X		
Ramp D2		6448+50.0	6451+62.4	X		

TABULATION OF EXISTING PAVEMENT									
No.	Location	Existing Pavement		Coarse Aggregate		Durability Class	Pavement Thickness	Reinforcement	
		Type	Surface	Type	Source			Thickness	Type
1	US 34	HMA	Base	Gravel	Crushed Stone	I	2.0		Typical
2	198th St	HMA/Seal Coat	Treated Subbase			I	3.0		
							6.0		
							6.0		

FULL-DEPTH PATCHES														
Refer to Standard Road Plans RR-1, RR-2, RR-4, RR-18, and RR-26														
Count	Location Station or Milepost	Dimension			PCC Practices			HMA Practices			Subbase Patches			Remarks
		Length	Width	Patch Thickness	With Dowels	Without Dowels	C R C	Composite HMA	Subbase Patches w/ 'EF' Joint	Subbase Patches w/ 'EF' Joint	'CD' Joints	'CT' Joints	'EF' Joints	
	L, R, or B	FT	FT	IN	RR-4	RR-2	RR-18	RR-1	RR-26	RR-1	RR-26	RR-1	RR-26	RR-1
2	5386+25.7	B	17.0	24.0	10.0	45.3								48.5

CRASH CUSHIONS														
Refer to Standard Road Plans RR-1, RR-2, RR-4, RR-18, and RR-26														
No.	Location Station	Direction of Traffic	Crash Cushion (Select One)*		Sand Barrel Details			Crash Cushion (Select One)*			Remarks			
			Length	Width	Length	Length	Length	Length	Length					
			FT	FT	FT	FT	FT	FT	FT	FT	FT			
1	EB 502462.5	L	1.9	X	3.2	24.3	8.5	6.5	12.9		TBR			

TEMPORARY BARRIER RAIL									
Refer to BA-400 and BA-401									
No.	Station to Station	Length	Concrete (Select One)		Remarks				
			BA-401	BA-400					
1	502462.5	504457.5	195.0	X	Stage 2A Road Standard TC-61				

MEDIAN CROSSOVERS													
Refer to PR-500 Series.													
Road Ident.	Location Station	Standard Road Plan	Detour Pavement	Special Backfill	Granular Shoulder	Embankment In Place	Class 10 Excavation	Class 13 Excavation	15" Removal of Pavement	15" Cnp Unclassified Entrance Culvert	36" Cnp Stotted Entrance Drain/Grate	Beveled Pipe and Guard	Remarks
	No.		SY	TON	TON	TON	TON	TON	TON	TON	TON	TON	
US 34	502475		2622.0	2797.000	316.000	-	-	892.0	-	228.0	112.0		2 Special Backfill includes 1600 tons for 6' detailed on U112 and 1196 tons for the remainder of fill requirements.

SHOULDERS

Bid Item
Applies only for paved shoulders constructed on project with existing granular shoulders.

Road Identification	Direction	Station to Station	Side	Typical	Dimensions			Quantities										Remarks
					Thickness	Width	Length	Class 13 Excavation Widening	Earth Shoulder Fill	Earth Shoulder Construction	Special Backfill	HMA Base Widening	Hot Mix Asphalt	Paved Shoulder	Granular Shoulder			
					Inches	Feet	Feet	CY	CY	CY	TON	TON	TON	TON	TON	TON	TON	
US34	EB	255+51.0	257+03.0 RT	B.1	6.0	4.0 to 4	152.0	32.8	152.0	1.5	27.239	23.485	67.9	46.893	23.485	67.9	46.893	
US34	EB	257+93.0	416+76.0 RT	B.1	6.0	4.0	1597.0	360.3	1597.0	159.7	2943.760	2537.850	7099.1	5967.834	2537.850	7099.1	5967.834	
US34	EB	420+00.0	438+20.0 RT	B.1	6.0	4.0	109.0	24.6	109.0	10.9	18.0	15.9	46.9	31.806	15.9	46.9	31.806	
US34	EB	430+20.0	436+61.0 RT	B.1	6.0	6.0	641.0	69.6	641.0	6.4	154.779	133.901	427.3	0.000	133.901	427.3	0.000	
US34	EB	438+08.4	441+38.5 RT	B.1	6.0	6.0	330.1	69.6	330.1	3.3	330.1	58.388	220.1	119.396	62.990	220.1	119.396	
US34	EB	444+86.5	443+34.8 RT	B.1	6.0	varies	148.4	3.8	148.4	1.5	46.300	6.148	142.0	55.782	5.148	142.0	55.782	
US34	EB	446+92.9	448+43.1 RT	B.1	6.0	varies	199.2	3.8	199.2	1.5	46.300	5.412	149.3	56.474	5.412	149.3	56.474	
US34	EB	447+08.0	451+83.5 RT	B.1	6.0	6.0	475.5	110.6	475.5	4.8	475.5	104.951	317.9	0.000	104.951	317.9	0.000	
US34	EB	451+86.0	450+86.0 RT	B.1	6.0	4.0	168.1	18.1	168.1	16.4	337.868	255.054	728.7	562.166	255.054	728.7	562.166	
US34	EB	457+46.0	473+84.3 RT	B.1	6.0	4.0	1638.3	353.7	1638.3	2.4	127.408	10.948	302.0	91.854	10.948	302.0	91.854	
US34	EB	477+40.3	475+77.3 RT	B.1	6.0	varies	137.2	3.8	137.2	1.4	81.000	6.253	172.5	51.571	6.253	172.5	51.571	
US34	EB	479+00.2	482+62.0 RT	B.1	6.0	4.0	361.8	107.2	361.8	3.6	74.619	55.890	160.8	124.162	55.890	160.8	124.162	
US34	EB	256+01.0	259+23.0 LT	B.1	10.0	6.0	322.0	0.0	322.0	3.2	0.000	214.7	0.000	10' PCC Shoulder	214.7	0.000	10' PCC Shoulder	
US34	EB	257+93.0	260+80.0 LT	B.1	10.0	4.3	145.9	14.5	145.9	15.2	269.879	636.9	214.806	636.9	214.806	636.9	214.806	
US34	EB	265+43.0	268+03.0 LT	B.1	6.0	4.0	1019.0	100.2	1019.0	40.1	760.809	619.564	1782.2	695.919	619.564	1782.2	695.919	
US34	EB	280+94.0	321+04.0 LT	B.1	6.0	4.0	4010.0	586.2	4010.0	18.9	1888.0	291.795	378.057	297.003	291.795	378.057	297.003	
US34	EB	321+96.0	340+84.0 LT	B.1	6.0	4.0	1888.0	586.2	1888.0	13.2	263.719	203.483	585.3	207.179	203.483	585.3	207.179	
US34	EB	341+76.0	354+93.0 LT	B.1	6.0	4.0	1317.0	407.9	1317.0	12.0	263.719	203.483	585.3	207.179	203.483	585.3	207.179	
US34	EB	356+07.0	369+24.0 LT	B.1	6.0	4.0	1317.0	407.9	1317.0	12.0	263.719	203.483	585.3	207.179	203.483	585.3	207.179	
US34	EB	370+16.0	382+20.0 LT	B.1	6.0	4.0	1204.0	308.8	1204.0	32.9	388.1	318.624	960.1	427.792	318.624	960.1	427.792	
US34	EB	384+82.0	401+08.2 LT	B.1	6.0	4.0	2283.2	411.8	2283.2	6.7	103.673	85.2	27.792	58.365	103.673	85.2	27.792	
US34	EB	420+00.0	426+71.0 LT	B.1	6.0	6.0	671.0	160.5	671.0	7.7	190.886	117.295	342.4	113.239	117.295	342.4	113.239	
US34	EB	430+01.7	437+72.0 LT	B.1	6.0	4.0	297.0	71.7	297.0	3.0	53.231	45.875	132.0	0.000	45.875	132.0	0.000	
US34	EB	438+24.0	441+21.0 LT	B.1	6.0	4.0	261.8	2.6	261.8	2.6	101.100	10.469	288.8	98.446	10.469	288.8	98.446	
US34	EB	440+77.3	443+39.1 LT	B.1	6.0	varies	109.8	7.0	109.8	1.5	49.200	4.049	111.7	93.724	4.049	111.7	93.724	
US34	EB	446+96.5	448+46.4 LT	B.1	6.0	varies	157.9	10.0	157.9	2.2	38.900	37.527	94.9	309.607	38.900	94.9	309.607	
US34	EB	457+08.0	473+84.3 RT	B.1	6.0	4.0	215.9	49.3	215.9	2.7	119.700	11.970	330.2	103.127	11.970	330.2	103.127	
US34	EB	474+98.3	475+72.5 LT	B.1	6.0	varies	274.3	3.8	274.3	2.7	107.200	56.686	163.0	53.134	56.686	163.0	53.134	
US34	EB	477+45.1	482+95.2 LT	B.1	6.0	varies	366.8	114.2	366.8	3.7	65.714	56.686	163.0	53.134	56.686	163.0	53.134	
US34	EB	478+95.2	482+62.0 LT	B.1	6.0	4.0	366.8	114.2	366.8	3.7	65.714	56.686	163.0	53.134	56.686	163.0	53.134	
US34	MB	381+00.0	385+00.0 RT	B.2	6.0	4.0	400.0	75.6	400.0	4.0	71.653	61.802	177.8	123.482	61.802	177.8	123.482	
US34	MB	420+00.0	426+71.0 RT	B.2	6.0	4.0	109.0	24.6	109.0	10.9	18.0	15.9	46.9	31.806	15.9	46.9	31.806	
US34	MB	430+20.0	436+61.0 RT	B.2	6.0	6.0	641.0	69.6	641.0	6.4	154.779	133.901	427.3	0.000	133.901	427.3	0.000	
US34	MB	438+08.4	441+38.5 RT	B.2	6.0	6.0	330.1	69.6	330.1	3.3	330.1	58.388	220.1	119.396	62.990	220.1	119.396	
US34	MB	444+86.5	443+34.8 RT	B.2	6.0	varies	148.4	3.8	148.4	1.5	46.300	6.148	142.0	55.782	5.148	142.0	55.782	
US34	MB	446+92.9	448+43.1 RT	B.2	6.0	varies	199.2	3.8	199.2	1.5	46.300	5.412	149.3	56.474	5.412	149.3	56.474	
US34	MB	447+08.0	451+83.5 RT	B.2	6.0	6.0	475.5	110.6	475.5	4.8	475.5	104.951	317.9	0.000	104.951	317.9	0.000	
US34	MB	451+86.0	450+86.0 RT	B.2	6.0	4.0	168.1	18.1	168.1	16.4	337.868	255.054	728.7	562.166	255.054	728.7	562.166	
US34	MB	457+46.0	473+84.3 RT	B.2	6.0	4.0	1638.3	353.7	1638.3	2.4	127.408	10.948	302.0	91.854	10.948	302.0	91.854	
US34	MB	477+40.3	475+77.3 RT	B.2	6.0	varies	137.2	3.8	137.2	1.4	81.000	6.253	172.5	51.571	6.253	172.5	51.571	
US34	MB	479+00.2	482+62.0 RT	B.2	6.0	4.0	361.8	107.2	361.8	3.6	74.619	55.890	160.8	124.162	55.890	160.8	124.162	
US34	MB	256+01.0	259+23.0 LT	B.2	10.0	6.0	322.0	0.0	322.0	3.2	0.000	214.7	0.000	10' PCC Shoulder	214.7	0.000	10' PCC Shoulder	
US34	MB	257+93.0	260+80.0 LT	B.2	10.0	4.3	145.9	14.5	145.9	15.2	269.879	636.9	214.806	636.9	214.806	636.9	214.806	
US34	MB	265+43.0	268+03.0 LT	B.2	6.0	4.0	1019.0	100.2	1019.0	40.1	760.809	619.564	1782.2	695.919	619.564	1782.2	695.919	
US34	MB	280+94.0	321+04.0 LT	B.2	6.0	4.0	4010.0	586.2	4010.0	18.9	1888.0	291.795	378.057	297.003	291.795	378.057	297.003	
US34	MB	321+96.0	340+84.0 LT	B.2	6.0	4.0	1888.0	586.2	1888.0	13.2	263.719	203.483	585.3	207.179	203.483	585.3	207.179	
US34	MB	341+76.0	354+93.0 LT	B.2	6.0	4.0	1317.0	407.9	1317.0	12.0	263.719	203.483	585.3	207.179	203.483	585.3	207.179	
US34	MB	356+07.0	369+24.0 LT	B.2	6.0	4.0	1317.0	407.9	1317.0	12.0	263.719	203.483	585.3	207.179	203.483	585.3	207.179	
US34	MB	370+16.0	382+20.0 LT	B.2	6.0	4.0	1204.0	308.8	1204.0	32.9	388.1	318.624	960.1	427.792	318.624	960.1	427.792	
US34	MB	384+82.0	401+08.2 LT	B.2	6.0	4.0	2283.2	411.8	2283.2	6.7	103.673	85.2	27.792	58.365	103.673	85.2	27.792	
US34	MB	420+00.0	426+71.0 LT	B.2	6.0	6.0	671.0	160.5	671.0	7.7	190.886	117.295	342.4	113.239	117.295	342.4	113.239	
US34	MB	430+01.7	437+72.0 LT	B.2	6.0	4.0	297.0	71.7	297.0	3.0	53.231	45.875	132.0	0.000	45.875	132.0	0.000	
US34	MB	438+24.0	441+21.0 LT	B.2	6.0	4.0	261.8	2.6	261.8	2.6	101.100	10.469	288.8	98.446	10.469	288.8	98.446	
US34	MB	440+77.3	443+39.1 LT	B.2	6.0	varies	109.8	7.0	109.8	1.5	49.200	4.049	111.7	93.724	4.049	111.7	93.724	
US34	MB	446+96.5	448+46.4 LT	B.2	6.0	varies	157.9	10.0	157.9	2.2	38.900	37.527	94.9	309.607	38.900	94.9	309.607	
US34	MB	457+08.0	473+84.3 RT	B.2	6.0	4.0	215.9	49.3	215.9	2.7	119.700	11.970	330.2	103.127	11.970	330.2	103.127	
US34	MB	474+98.3	475+72.5 LT	B.2	6.0	varies	274.3	3.8	274.3	2.7	107.200	56.686	163.0	53.134	56.686	163.0	53.134	
US34	MB	477+45.1	482+95.2 LT	B.2	6.0	varies	366.8	114.2	366.8	3.7	65.714	56.686	163.0	53.134	56.686	163.0	53.134	
US34	MB	478+95.2	482+62.0 LT	B.2														