

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: May 20, 2014
Date of Addendum: May 7, 2014

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
101	07-C007-130	PCC OVERLAY - UNBONDED	BLACK HAWK	FM-TSF-C007(130)--5B-07	20MAY101.A01

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

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0040 :

From: 2111-8174100 GRANULAR SUBBASE; 842.600 SY

To: 2115-0100000 MODIFIED SUBBASE ; 264.000 CY

Change Proposal Line No. 0050 2121-7425020 GRANULAR SHOULDERS, TYPE B:

From: 4,041.400 TON

To: 8,884.000 TON

Change Proposal Line No. 0070 2213-2713300 EXCAVATION, CLASS 13, FOR WIDENING:

From: 2,287.200 CY

To: 3,595.000 CY

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

Make the following changes to the plan:

Replace Plan Sheet B.01 with attached Plan Sheet B.01.

Note: Changed Class 13 Excavation from the 1' width to a daylight to foreslope removal.

Added SH dimension and note.

Added profile scarification note.

Replace Plan Sheet B.02 with attached Plan Sheet B.02.

Note: Changed Class 13 Excavation, Widening in the details.

Changed shoulder detail and the tons required per station per side.

Changed the granular subbase to modified subbase.

Replace Plan Sheet B.05 with attached Plan Sheet B.05.

Note: Changed granular subbase to modified subbase.

Replace Plan Sheet B.06 with attached Plan Sheet B.06.

Note: Changed Excavation, Class 13, Widening in the detail.

Replace Plan Sheet B.07 with attached Plan Sheet B.07.

Note: Changed granular subbase to modified subbase.

Replace Plan Sheet C.01 with attached Plan Sheet C.01.

Note: Removed Item No. 4 Granular Subbase with a quantity of 842.6 S.Y. and replaced with Item No. 4 Modified Subbase with a quantity of 264.0 C.Y.

Changed quantity of Item No. 5 Granular Shoulders from 4,041.4 Ton to 8,884.0 Ton.

Changed quantity of Item No. 7 Excavation, Class 13, Widen from 2,287.2 C.Y. to 3,595.0 C.Y.

Changed Estimate Reference Information Item No. 4 Title from Granular Subbase to Modified Subbase.

Replace Plan Sheet C.02 with attached Plan Sheet C.02.

Note: Rewrote Estimate Reference Information Item No. 5 Granular Shoulders.

Rewrote Estimate Reference Information Item No. 7 Excavation, Class 13, Widening.

Replace Plan Sheet C.06 with attached Plan Sheet C.06.

Note: Changed Granular Subbase to Modified Subbase in the Core Out Areas Table.

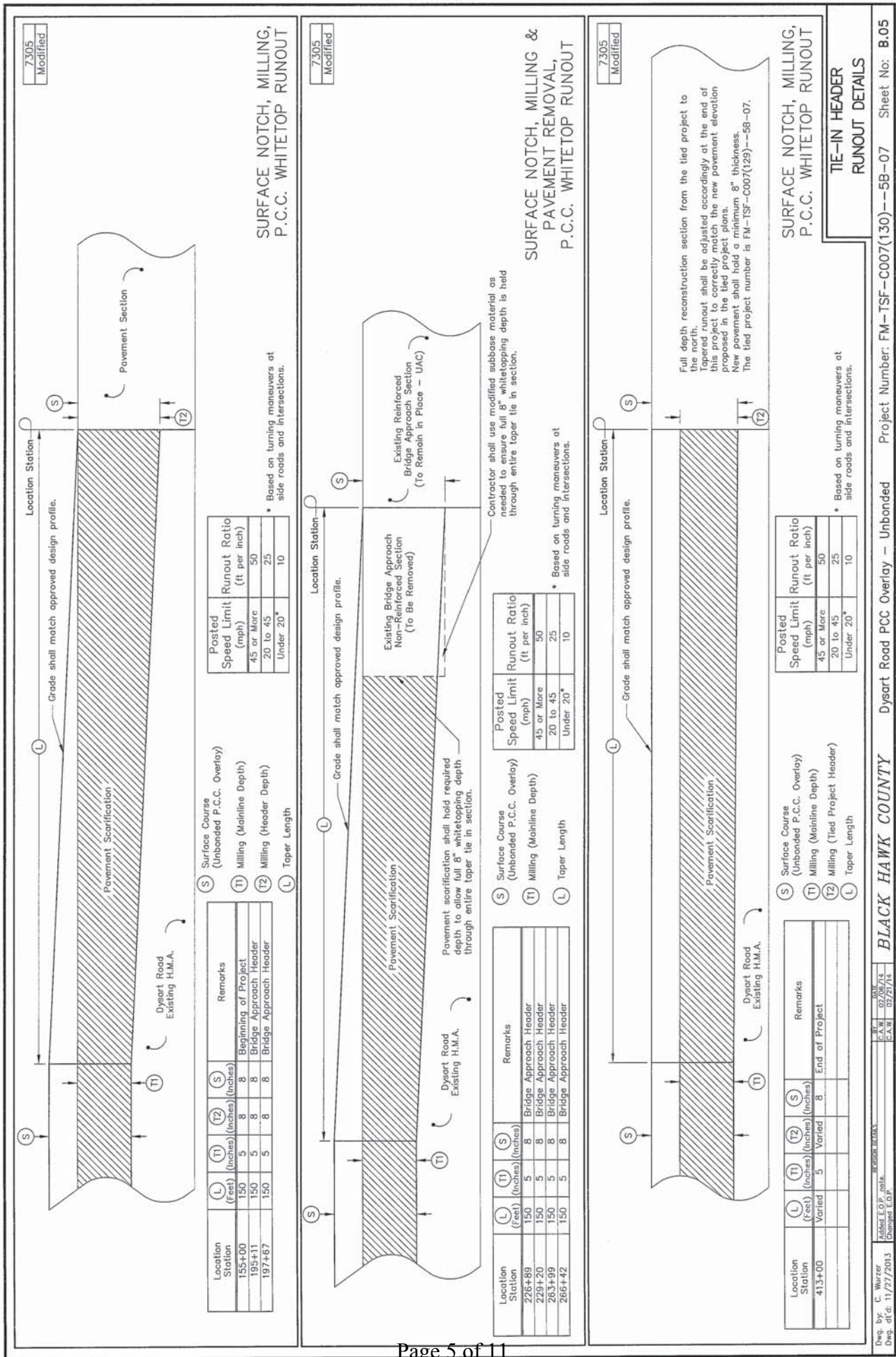
Replace Plan Sheet C.08 with attached Plan Sheet C.08.

Note: Changed Class 13 Excavation and Granular Shoulder quantities in the Shoulders Table.

Transverse Joints: 'CD' at 14' spacing
Longitudinal Joints: 'L-2' at centerline
'L-2' centered at 11' offset
Refer to Sheet B.03 for Joint Details.



Page 3 of 11



7305
Modified

**SURFACE NOTCH, MILLING &
PAVEMENT REMOVAL,
P.C.C. WHITETOP RUNOUT**

Posted Speed Limit (mph)	Runout Ratio (ft per inch)
45 or More	50
20 to 45	25
Under 20*	10

* Based on turning maneuvers at side roads and intersections.

7305
Modified

**SURFACE NOTCH, MILLING,
P.C.C. WHITETOP RUNOUT**

Posted Speed Limit (mph)	Runout Ratio (ft per inch)
45 or More	50
20 to 45	25
Under 20*	10

* Based on turning maneuvers at side roads and intersections.

7305
Modified

**TIE-IN HEADER
RUNOUT DETAILS**

Temporary fillet of granular surfacing to be placed for an access ramp once the P.C.C. whitetopping is complete and has obtained the proper opening strength. Length varies according to field conditions (Minimum of 3' Shall be placed full width of opening. To be removed prior to H.M.A. surfacing. When removed the material shall be used at the end of the H.M.A. approach pavement.



Fillet sizes as shown are recommended and shall be used for design and estimating purposes. The Engineer shall establish the size of each individual fillet to accommodate conditions at the site.

Special shaping of existing surface prior to placement of fillet may be required by the Engineer and shall be considered incidental to other work on the project.

Side road material shall be placed in a minimum of 2 lifts.

Side road material will ALL be Base H.M.A. mix.

Existing side road will need to be removed to ensure full 5' H.M.A. thickness. All work to be included with the reclaim present surface material bid item.

All material removed will be used around the new H.M.A. side road fillets and at the end of the fillet where the gravel road ties into the new H.M.A.



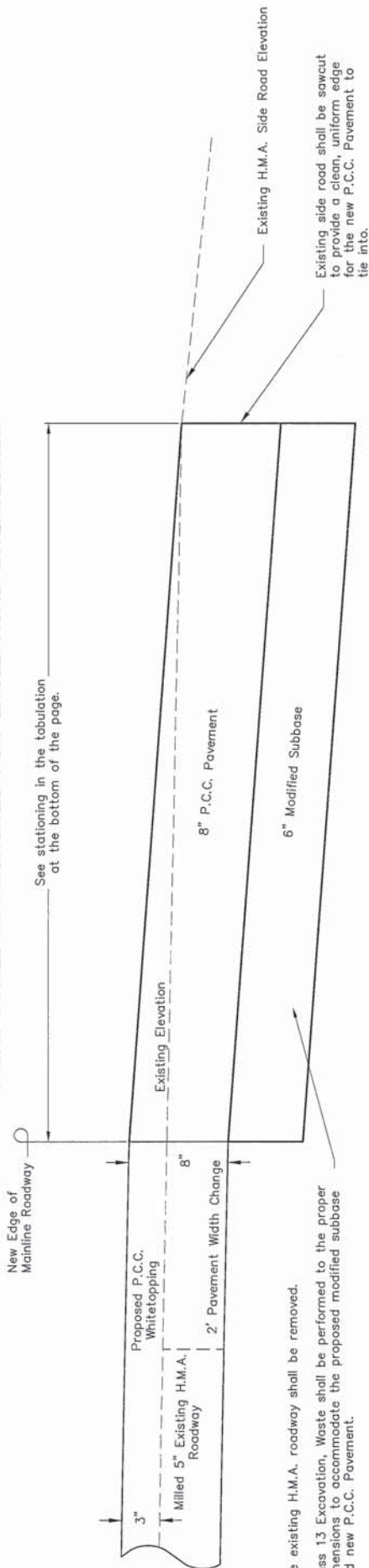
Any Subgrade preparation shall be incidental to the cost of HMA Mix.

Radii shall be field adjusted to best fit current intersection being paved.

-Detail not to Scale-

NON-PAVED SIDE ROAD DETAILS

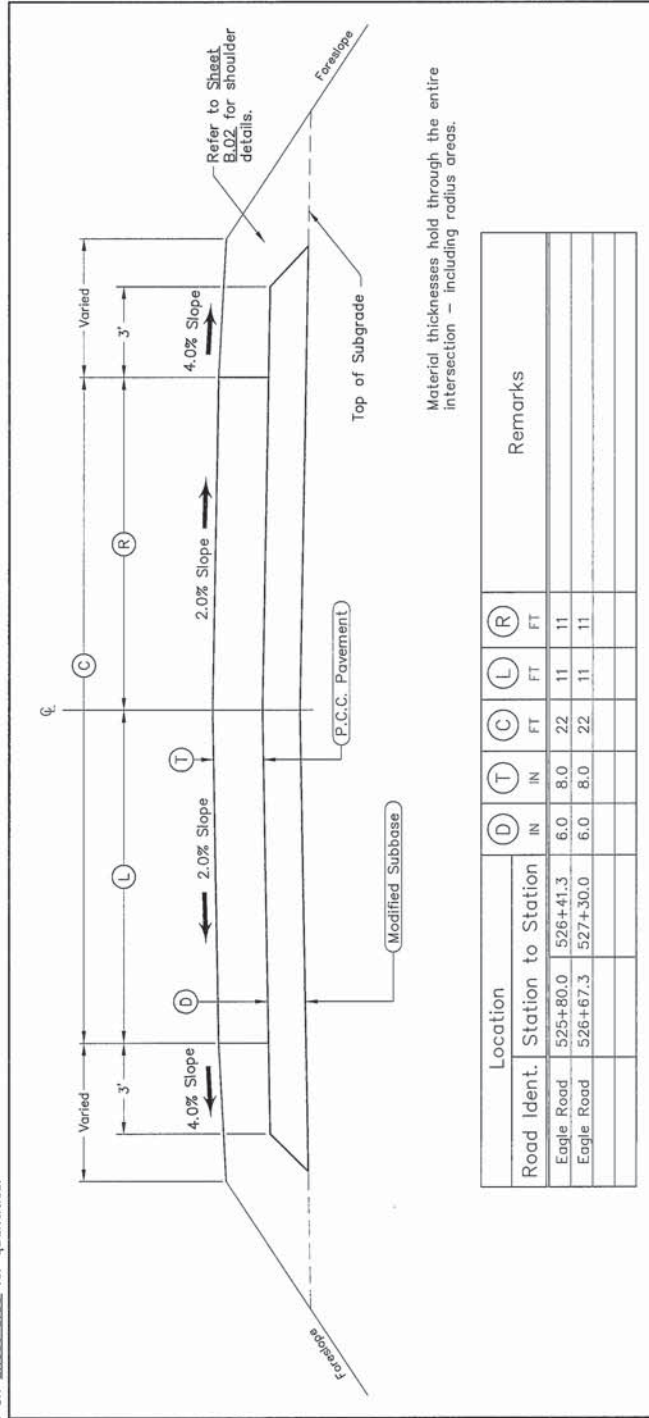
P.C.C. PAVED APPROACHES FOR EAGLE ROAD INTERSECTION



The existing H.M.A. roadway shall be removed.

Class 13 Excavation, Waste shall be performed to the proper dimensions to accommodate the proposed modified subbase and new P.C.C. Pavement.

Refer to P.C.C. Placement Table on Sheet C.06 for quantities.



Location		(D)	(T)	(C)	(L)	(R)	Remarks
Road Ident.	Station to Station	IN	IN	FT	FT	FT	
Eagle Road	525+80.0	6.0	8.0	22	11	11	
Eagle Road	526+67.3	6.0	8.0	22	11	11	

P.C.C. PAVED SIDE
ROAD DETAILS

100-1A
07-15-97

ESTIMATED PROJECT QUANTITIES

NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY	AS BUILT
1	2101-0850002	CLEAR + GRUBB	UNIT	13	
2	2102-2713090	EXCAVATION, CL 13, WASTE	CY	307.8	
3	2105-8425005	TOPSOIL, FURNISH + SPREAD	CY	1,235.0	
4	2115-0100000	MODIFIED SUBBASE	CY	284.0	
5	2121-7425020	GRANULAR SHLD, TYPE B	TON	8,894.0	
6	2126-8275058	RECLAIM PRESENT SURF, MATL	CY	61.0	
7	2213-2713300	EXCAVATION, CL 13, WIDEN	CY	3,595.0	
8	2213-7100400	RELOCATION OF MAIL BOX	EACH	18	
9	2214-5145150	PAVT, SCARIFICATION	SY	63,979.8	
10	2301-1033080	STDIS-F PCC PAVT, CL C CL 3, 8"	SY	649.9	
11	2301-7000120	PAY ADJ ID-QMC PCOP COARSE & WORK FACT	EACH	40,192	
12	2303-0031750	HMA (11MESAL) BASE, 3/4"	TON	545.0	
13	2303-0245828	ASPH BINDER, PG 58-28	TON	33.0	
14	2310-5151600	PCC OVERLAY, QM-C, FURN ONLY	CY	17,848.5	
15	2310-5151630	PCC OVERLAY, QM-C, PLACE ONLY (WHITE TOPPING)	SY	73,016.7	
16	2315-8275025	SURF, DRIVEWAY, CL A CR STONE	TON	1,000.0	
17	2316-0000110	PAY ADJ ID-PCC PAVT SMOOTHNESS	EACH	28,800	
18	2401-6750001	REMOVALS, AS PER PLAN	LS	1.00	
19	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHLD) 4"	LF	48,742.0	
20	2502-8220196	SUBDRAIN OUTLET, RF-19E	EACH	62	
21	2506-4984000	FLOWABLE MORTAR	CY	6.0	
22	2510-6745850	RWML OF PAVT	SY	938.8	
23	2518-6910000	SAFETY CLOSURE	EACH	16	
24	2523-0000200	ELECTRICAL CIRCUIT	LF	1,645.0	
25	2523-0000310	HANDHOLE + JUNCTION BOX	EACH	2	
26	2523-0000400	CONTROL CABINET	EACH	1	
27	2526-8285000	CONSTRUCTION SURVEY	LS	1.00	
28	2527-9263109	PAINTED PAVT MARK, WATERBORNE/SOLVENT	STA	797.05	
29	2527-9270111	GROOVE CUT - PAVT MARK	STA	281.10	
30	2528-8445110	TRAFFIC CONTROL	LS	1.00	
31	2528-8445113	FLAGGER	EACH	Per Proposal	
32	2533-4980005	MOBILIZATION	LS	1.00	
33	2548-0000200	MILLED SHLD RUMBLE STRIP, PCC SURF	STA	488.5	
34	2598-9999005	BEACON, CIRCULAR, RED FLASHING	EACH	2	
35	2598-9999005	BEACON, CIRCULAR, YELLOW FLASHING	EACH	2	
36	2602-0000320	PERIMETER + SLOPE SEDIMENT CNTL DEVICE, 20"	LF	252.0	

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
1	2101-0850002	Clearing and Grubbing Quantity estimated for the clear and grub of an 18" conifer tree on the S.W. corner of the Eagle Road intersection. Refer to Sheet L.01 for location.
2	2102-2713090	Excavation, Class 13, Waste The project includes 2 separate operations for the class 13 excavation, waste. * One includes removing material for the Eagle Road side road P.C.C. pavement. Refer to Sheet B.06 for details and Sheet C.06 for P.C.C. Placement tabulation regarding the core out areas. * The second operation includes removing material at any core out areas required on the project. After pavement scarification is performed, if any area requires a core out, the Engineer will mark the removal limits of the core out. The area shall be cored to a depth that will allow a full 8" granular subbase and the proposed 8" P.C.C. overlay. Refer to Sheet C.06 for Core Out Areas tabulation regarding the core out areas that were estimated on the project. This operation will be at the discretion of the Engineer and field adjusted as needed. Includes all the material to be removed from the core out locations including any existing pavement still in place after scarification.
3	2105-8425005	Topsoil, Furnish and Spread This project requires a Contractor Furnished Borrow Site. No payment for overhaul is being allowed for this material. A compaction factor of 1.3 was used for this project. Type A compaction is required on All embankment construction. Refer to Sheets L.01 & L.02 for details and Sheet C.08 for Shoulders Tabulation for station and quantity breakdowns. After excavation and grading to the satisfaction of the Engineer, ALL disturbed areas shall be prepared for seeding in accordance with Standard Specification Section 2601.03, B, 4., c. All seeding shall be performed by the Contracting Authority (Black Hawk County). Class 13 waste material may be used for earth shoulder fill below the top 6" of topsoil as long as the class 13 is suitable material.
4	2115-0100000	Modified Subbase The project includes 2 separate operations for modified subbase. * One includes material for the Eagle Road side road P.C.C. pavement. Refer to Sheet B.06 for details and Sheet C.06 for P.C.C. Placement tabulation regarding the estimated subbase quantities. * The second operation includes material for any core out areas required on the project. If any area requires a core out, the Engineer will mark the removal limits of the core out. Then a full 8" thickness of modified subbase will be placed and thoroughly compacted in 2 lifts. Refer to Sheet C.06 for Core Out Areas tabulation regarding the core out areas that were estimated on the project. This operation will be at the discretion of the Engineer and field adjusted as needed.

ESTIMATED PROJECT QUANTITIES

ESTIMATE REFERENCE INFORMATION			100-4A 10-23-02
Item No.	Item Code	Description	
5	2121-7425020	Granular Shoulders, Type B Material and placement shall conform to specifications and gradation of Type "B" Granular Shoulders. Shoulder material shall be placed in a minimum of 2 complete coverages to ensure proper compaction of material. The Contractor shall also ensure that the top shoulder surface has the proper slope and has a uniform (non-wavy) appearance. Refer to details on Sheet B.02 and Tabulation 112-9 on Sheet C.08 for details and stationing breakdowns. Material density of 140 pcf was used to calculate tonnage. Estimated project quantity includes an additional 10% for any cross section irregularities along the project. Any damage to the new P.C.C. roadway due to the granular shoulder placement process will result in a price adjustment per Section 2.53, B., 3. of the Construction Manual. Brooming of the finished paved roadway upon shouldering completion shall apply to this item with NO additional payment. All cost shall be included with the Granular Shoulder bid item.	
6	2126-8275058	Reclaim Present Surfacing Material Refer to Tabulation on Sheet C.05. Includes an estimated 4" average depth of existing road surfacing material from the E. Quarry Road Intersection. The Contractor shall note that ALL Granular Surface material removed is being considered for re-spread around the new HMA fillets that are proposed at this Intersection. Any stockpiled material shall be stored in a manner that will not create a hazard for local traffic, or retain storm water during rain events. Contractor shall not be paid to double handle removals as necessary for any Project Staging & Local Traffic Control / Access. Additional consideration(s) regarding Reclaimed Surface Material may be directed by the Engineer at the time of construction.	
7	2213-2713300	Excavation, CL 13, Widening The Contractor shall ensure the base widening is the proper width and depth according to the typical cross sections on Sheet B.01. Also refer to Tabulation 112-9 on Sheet C.08 for quantities. All material from the existing edge of roadway out to the daylight of existing foreslope shall be included in this pay item. No additional consideration will be made for this removal item. This material is being removed to allow room for paving equipment and to allow a uniform road top to perform overlay construction. The average roadway top remaining outside of the proposed 13' lane is approximately 3". This width will change along the project - plan quantity was based from core area from preliminary survey. This width ranges from 3' to 5.5' in some areas. Excavated material shall become the property of the Contractor and shall be removed from the site at the time of excavation.	
8	2213-7100400	Relocation of Mail Boxes Temporary mail boxes shall be established prior to any construction beginning on the project. Temporary mailboxes shall be provided by the Contracting Authority (Black Hawk Co.), and temporarily installed (as required) per U.S. Postal Service coordinated locations. Once on site and set up the Contractor shall maintain and protect the temporary set up. The Contractor shall give Black Hawk County at least 5 days notice prior to needing the temporary mail boxes set up or removed. Existing mail boxes that restrict construction activities shall be removed. Mailboxes that will not interfere with construction shall be left in place and used as constructed. One mail box on the site shall be left in place and protected. Refer to tabulation Shco Mailbox on Sheet C.05 for more information. The Contractor is responsible for preservation and safeguarding (security) of removed mailboxes. The Contractor shall be responsible for any damages to mailboxes throughout the project, and for ownership coordination under this item. Final installations and relocations will be coordinated with the U.S. Postal Service, with review by the Engineer. The Engineer shall verify and determine the final number of mailboxes, by count. Basis of payment shall be full compensation for all removals, relocations, and reinstallations of mailboxes and associated materials and labor which is necessary for the work under this item. Any mailboxes damaged due to Contractor operations and/or negligence, will be replaced by the Contractor with an equivalent (or better) approved mailbox, with NO additional compensation.	
9	2214-5145150	Pavement Scarification Profile milling will be required on this project. Estimated quantity includes all mailbox turnouts, drive lanes, and side road fillets. Also includes the milling of the paved side road intersections on the project. Refer to Tabulation Shco-PaveScarify on Sheet C.06 for locations and quantity breakdowns. Meet the following requirements for profile milling: • Pavement scarification equipment shall be equipped with automatic horizontal and vertical controls capable of milling existing pavement to an elevation corresponding to the approved profile grade and cross slope with a tolerance of 0 to -0.05 foot. • The Contractor will achieve a milled surface for 100% of the pavement surface. The Contractor is required to scarf the pavement in areas that the mill did not initially touch due to the profile grade. The final profile design will consist of the requirements of Section 2526 of the Standard Specification. All header locations shall be tapered per Detail 7305 on Sheet B.05. The headers shall all have a full 8" depth along their entire face. This may require a notch joint to be milled in a separate operation. All work associated with the headers shall be included with the pavement scarification quantity. Immediately following the pavement scarification, the Contractor shall place a wedge of millings along the headers to maintain traffic and to protect the edges of the adjacent roadway. Scarified material to be loaded directly into trucks and shall become property of the Contractor. Even though the roadway is closed to through traffic, the scarification shall be completed so no vertical drop-off at the center line is left overnight (per specification).	
10	2301-1033080	Standard Slip-Form PCC Pavement, Class C, Class 3, 8" Thickness Estimated quantity for PCC paving of the Eagle Road Intersection. Refer to P.C.C. Placement tabulation on Sheet C.06 for location and quantity breakdown. Do not skew transverse joints. "CO" joints are required. Certified plant inspection in accordance with Section 2521 shall apply. Class C mix with Class 3 durability shall be used. All longitudinal pavement joints shall be cleaned and sealed. Curing for thickness will not apply to this placement. Strength of P.C.C. using the Maturity Method shall apply. Refer to Sheets L.01 & L.02 for details.	
11	2301-7000120	Pay Adj. 1/D-PCC QMC PCQP Course & Workability Factor Refer to DS-12042 and LM. 530 for more details regarding this item.	
12	2303-0031750	HMA (1M ESAL) Base Course, 3/4 inch Mix	
13	2303-0245828	Asphalt Binder, PG 58-28 Estimated quantity includes material for oil paved drives and side road construction. Refer to Sheets B.02, B.06 & B.08 for details and the H.M.A. Placement tabulation on Sheet C.06 for locations and quantity break downs. Also, for paved drive construction refer to the Paved Points of Access tabulation on Sheet C.07 for location and quantity breakdowns. Design weight of 145 lbs. per cu. ft. Estimated project quantity includes an additional 8% for any cross section irregularities. Finishing machine shall have automatic screed controls with grade and slope control systems which shall operate with an approved reference system. Bid price shall include full Quality Control, Quality Assurance, and Plant Inspection for all H.M.A. mix. All cost associated with the testing and inspection of the H.M.A. is to be considered incidental to this bid item. All Asphalt Cement shall be PG 58-28. Quantities based on 8% by weight.	
ESTIMATE REFERENCE NOTES			
Dysart Road PCC Overlay - Unbonded			Project Number: FM-TSF-C007(130)-5B-07 Sheet No: C.02

PAVEMENT SCARIFICATION

Refer to Tabulation 102-5 or 102-5A

Bhco-PaveScanfy
05-02-13

Road Identification	Location		Scarification				Remarks
	Station to Station	Side	Plan Length FT	Width FT	Plan Depth IN	Area SY	
Dysart Road	155+00	Both	4,011.00	Varied	Varied	10,016.81	CAD area includes all fillets.
Dysart Road	197+67	Both	2,932.00	Varied	Varied	7,384.43	CAD area includes all fillets.
Dysart Road	229+10	Both	3,498.00	Varied	Varied	8,708.30	CAD area includes all fillets.
Dysart Road	266+32	Both	14,668.00	Varied	Varied	37,122.78	CAD area includes all fillets.
Dysart Road	188+28	RT.	9.00	68.00	Varied	68.00	Quarry Driveway
Dysart Road	202+76	LT.	4.00	270.00	Varied	120.00	P & J Equipment Driveway
Dysart Road	230+63	RT.	4.00	13.00	Varied	5.78	Paved Residential Drive @ 10551 Dysart Road
Dysart Road	322+87	LT.	14.00	25.00	Varied	38.89	Paved Residential Drive @ 8902 Dysart Road
Dysart Road	366+99	RT.	5.00	16.00	Varied	8.89	Paved Residential Drive @ 8101 Dysart Road
Dysart Road	371+74	RT.	Varied	Varied	Varied	343.67	Schrock Road Side Road
Dysart Road	371+74	LT.	Varied	Varied	Varied	162.22	Schrock Road Side Road
	Total:					63,979.77	

Bhco-WhiteTop
01-25-13

P.C.C. White Topping Placement

Station to Station	Side	Length FT	Thickness IN	Width FT	P.C.C. Whitetop SY	P.C.C. Furnish CY	Remarks
155+00	Both	4,011.00	8.0	26	11,587.33	2,574.96	Mainline (Refer to Sheet B.01).
197+67	Both	2,978.00	8.0	26	8,603.11	1,911.80	Mainline (Refer to Sheet B.01).
228+70	Both	3,578.00	8.0	26	10,336.44	2,296.99	Mainline (Refer to Sheet B.01).
265+92	Both	14,708.00	8.0	26	42,489.78	9,442.17	Mainline (Refer to Sheet B.01).
	Mainline Total:				73,016.66	16,225.92	

Bhco-CoreOut
12-03-13

Core Out Areas

Station to Station	Side	Length FT	Thickness IN	Width FT	Class 13 Waste CY	Modified Subbase CY	Remarks
226+99	Both	40.00	8.0	28	27.65	27.65	Use as needed.
228+70	Both	40.00	8.0	28	27.65	27.65	Use as needed.
264+08	Both	40.00	8.0	28	27.65	27.65	Use as needed.
265+92	Both	40.00	8.0	28	27.65	27.65	Use as needed.
404+70	LT.	70.00	8.0	14	24.20	24.20	Use as needed.
	Total:				134.80	134.80	

Bhco-PCC
11-25-13

P.C.C. Placement

Station to Station	Side	Length FT	Thickness IN	Width FT	Area SY	Volume CY	Class 13 Waste CY	Modified Subbase CY	Remarks
526+41	Both	61.00	8.0	Varied	328.81	23.07	78.00	63.86	Eagle Side Road (8" class 13 depth).
526+67	Both	63.00	8.0	Varied	321.06	21.35	95.00	65.32	Eagle Side Road (9.5" class 13 depth).
	Side Road Total:				649.87	144.42	173.00	129.18	

Bhco-HMA
05-03-13

H.M.A. Placement Side Roads and Driveways

Station to Station	Side	Length FT	Average Thickness FT	Width FT	Area SQ FT	HMA TON	Granular Surfacing TON	Remarks
188+28	RT.	25.00	0.22	Varied	2,337.89	37.29	-	BMC Quarry Driveway
202+76	LT.	30.00	0.67	Varied	4,159.00	202.02	-	P & J Equipment Driveway
210+69	RT.	37.00	0.42	Varied	2,518.00	76.67	30.00	Quarry Road Side Road
210+69	LT.	37.00	0.42	Varied	2,365.00	72.01	30.00	Quarry Road Side Road
230+63	RT.	40.00	0.17	Varied	641.45	7.91	-	Residential Driveway at 10551 Dysart Rd.
322+87	LT.	30.00	0.23	Varied	721.92	12.04	-	Residential Driveway at 8902 Dysart Rd.
366+99	RT.	25.00	0.21	Varied	826.37	12.58	-	Residential Driveway at 8101 Dysart Rd.
371+74	RT.	37.00	0.25	Varied	3,093.00	56.06	-	Schrock Road Side Road
371+74	LT.	37.00	0.25	Varied	1,460.00	26.46	-	Schrock Road Side Road
	Total:					503.04	60.00	

TABULATIONS

112-9
10-15-13

- ① Lane(s) to which the shoulder is adjacent.
- ② Bid Item
- ③ Applies only for Paved Shoulders constructed on project with existing granular shoulders.
- ④ Does not include shrink.

Location	Quantities
Calculations assume a HMA unit weight (lbs/cf) of 145, a Special Backfill unit weight (lbs/cf) of 140, and a Granular Shoulder unit weight (lbs/cf)	

Location										Quantities										Remarks																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Road Identification		Direction of Traffic	Station to Station		Side	P	G	L	Class 13 Excavation	③		Hot Mix Asphalt		Blinder	Paved Shoulder		Reinforced Paved Shoulder	Special Backfill				Modified Subbase	Granular Shoulder			Earth Shoulder Construction																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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112-10
04-19-11

See PV-12 and PV-13.

* Calculated at 18" width for shoulder.

Road Identification	Location			Type (Centerline, Rt or Lt. Shoulder	Fog Seal* (Milled Rumble Strip) Shoulder GAL	Effective Shoulder Width			Remarks	
	Station to Station	Length				PCC Paved	HMA Paved	Granular\ Earth		
		PCC	HMA							STA
Dysart Road	155+00	156+28	1.28							
Dysart Road	158+58	193+11	36.53							
Dysart Road	197+61	208+89	11.28							
Dysart Road	211+19	226+99	15.80							
Dysart Road	229+10	264+08	34.98							
Dysart Road	266+32	369+94	103.62							
Dysart Road	413+24	413+00	40.76							
Dysart Road	155+00	157+58	2.58							
Dysart Road	159+88	195+11	35.23							
Dysart Road	197+61	210+19	12.58							
Dysart Road	212+49	226+99	14.50							
Dysart Road	229+10	264+08	34.98							
Dysart Road	266+32	371+24	104.92							
Dysart Road	373+54	413+00	39.46							

Project Number: FM-TSF-007(130) --- 5B-07
 Project Name: Dyart Road PCC Overlay --- Unbonded
 County: **BLACK HAWK COUNTY**
 Engineer: C. Wurzer
 Date: 07/23/14
 Scale: 1"=20'
 Project Location: 1/4 Section 3, 6 and 7, Township 36N, Range 10E, Meridian 10W
 Map Sheet: 1 of 1
 Project Description: Modified Curb, 1.5' and Shoulder Numbers.