A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: June 21, 2016
Date of Addendum: June 13, 2016

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
201	30-0713-715	PCC Patching	Dickinson	MP-071-3(715)220--76-30	21jun201.a01

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Add Proposal Line No. 0071 2530-5070240 PARTIAL DEPTH PCC JOINT AND CRACK REPAIR PATCHES: 1300.000 LF

Add Proposal Line No. 0081 2542-1006001 CRACK AND JOINT CLEANING AND FILLING (PCC PAVEMENT): 4.6000 MILE

Add Proposal Line No. 0082 2542-1007000 SEALER MATERIAL (PCC PAVEMENT): 9200.000 LB

Replace SHEET C.1 and SHEET C.2 with the ATTACHED:

Summary of changes made to the ATTACHED SHEETS:

SHEET No. DESCRIPTION

C.1 Tab 100-1A
Add 2530-5070240 from 0.0 to 1300, Total 1300
Add 2542-1006001 from 0.0 to 4.6, Total 4.6
Add 2542-1007000 from 0.0 to 9200, Total 9200

Tab 100-4A
Added Estimate Reference Information for 2530-5070240, 2542-1006001 and 2542-1007000

C.2 Add Tab 102-10 to the sheet.

Make the following change to the PROPOSAL SPECIAL PROVISIONS LIST and TEXT:

Add the attached DS-15022, Developmental Specifications for Partial Depth PCC Finish Patches

DEVELOPMENTAL SPECIFICATIONS
FOR
PARTIAL DEPTH PCC FINISH PATCHES

Effective Date
October 20, 2015

THE STANDARD SPECIFICATIONS, SERIES 2015, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE DEVELOPMENTAL SPECIFICATIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

This specification replaces Section 2530 of the Standard Specifications for Partial Depth Portland Cement Concrete Patches.

2530.01 DESCRIPTION.

A. This specification contains requirements for Partial Depth PCC Patches, Partial Depth PCC Joint and Crack Repair Patches, and Overdepth Patches.

B. Remove pavement in areas designated in the contract documents. This includes furnishing and placing patching material to provide a new traffic surface, and restoring adjacent shoulder as shown in the contract documents. This work is in areas where the size, shape, and depth of patch depends on extent of pavement deterioration and shall be determined during removal operation.

C. Patches may be identified and constructed as one of the following types:

1. **Finish Patches.**
   Finish patches are square or rectangular in shape. They will be less than 6 feet in length when placed on a longitudinal or transverse joint or random crack. Patches will be identified by tabulation in the contract documents. The patch size and location for each lane will be shown. Patch size and locations may be adjusted by the Engineer to fit field conditions.

2. **Joint and Crack Repair Patches.**
   Joint and crack repairs are square or rectangular in shape. They will be placed at a longitudinal or transverse joint or random crack. They will be a minimum of 6 feet in length, and will be identified by tabulation in the contract documents. Size and location will be shown. Repair size and location may be adjusted to fit field conditions.

3. **Overdepth Patches**
   Overdepth Patches are irregular in shape. They are placed to the full depth of existing pavement in areas of unsound concrete as designated by the Engineer. Repair size and location will be determined at time of construction.

2530.02 MATERIALS.
Meet the requirements for the type of material specified.

A. PCC Patching Material.

Meet one of the requirements below. When patching encroaches on an adjacent lane open to traffic or when there is patching on two lane pavements or other locations where overnight closures are not permitted, use Class A or Class B patching material. Pavements with three or more lanes and when overnight closure is permitted, use Class C patching material.

1. Class A Patching Material.

a. Use a modified Portland cement type manufactured to provide rapid set and high early strength. Meet requirements of Materials I.M. 491.20.

b. When a mortar is furnished, add the manufacturer's recommended quantity of coarse aggregate. Use pea gravel, minimum Class 2 durability, meeting requirements of Section 4112.

2. Class B Patching Material.

Use high early strength rapid set (5 hour) concrete meeting requirements of Materials I.M. 529 and the following requirements:

- Use Class M mixture patching material with calcium chloride. Class M mixtures with calcium chloride shall not contain fly ash.
- Place concrete within 30 minutes after introduction of calcium chloride.
- For coarse aggregate, use crushed carbonate stone chips or pea gravel, minimum Class 2 durability, meeting requirements of Section 4112.

3. Class C Patching Material.

Use mixture with an early set that will allow time of opening to traffic in 24 to 36 hours as directed by the Engineer. For coarse aggregate, meet requirements for Class B patching material. Use Class M mixture meeting requirements of Materials I.M. 529 without addition of calcium chloride.

4. Modifications to Mixtures for Class B and Class C Patching Material.

Apply the following modifications to mixtures for Class B and Class C patching material:

a. Slump.

1) Slump, measured according to Materials I.M. 317 prior to addition of calcium chloride solution, shall be between 1 and 2.5 inches as a target range, allowing a maximum of 3 inches. If calcium chloride solution is not to be added, slump shall be between 1 and 3 inches as a target range, allowing a maximum of 4 inches.

2) When a Type A Mid Range water reducing admixture is used, the slump, tested prior to the addition of calcium chloride, shall be between 1 and 4 inches as a target range, allowing a maximum of 5 inches.

b. Air Entrainment.

Entrained air content of unconsolidated concrete will be determined according to Materials I.M. 318, prior to addition of calcium chloride if it is to be added. When calcium chloride is to be added, air entrainment shall be 5.0%, with a tolerance of ± 2.0%. When calcium chloride is not to be added, air entrainment shall be 6.5%, with a tolerance of ± 1.5%.

c. Temperature.

Temperature of Class B patching material, as delivered to job site, shall be as required in Article 2530.02, B, 4, d. Ensure temperature of Class C patching material, as delivered to the job site, is greater than 65°F. Heating water, aggregate, or both, may be necessary. Cost of heating is incidental to patching.

d. Cement.

1) For Class M concrete mixtures, meet requirements of Section 4101.

2) Refer to Table 2530.02-1 for cement types and maximum allowable substitution rates. Maximum substitution for Type IS shall not exceed 25%.

Table 2530.02-1: Cement Types and Maximum Allowable Substitution Rates

Patch Class	Cement Type	Maximum Allowable Substitution	Minimum Mix Temperature
B	Type I, Type II Type IS	0% Fly Ash 0% Fly Ash	75ºF 80ºF*
C	Type I, Type II Type IS	10% Fly Ash 0% Fly Ash	65ºF 70ºF*
* When Type A Mid Range water reducing admixture is used, limit the minimum mix temperature to that required when Type I/II cement is used.			

e. Calcium Chloride.

1) Where calcium chloride is required, furnish it in water solution form and add it to the mix at job site. Use a commercial 32% calcium chloride solution, or equivalent, prepared according to Table 2530.02-2:

Table 2530.02-2: Proportions for 32% Calcium Chloride Solutions

Type of Solid Calcium Chloride	Pounds of Solid per Gallon of Water	Solution Produced per Gallon of Water
Type 1 – Regular Flake (77% material)	6	1.3
Type 2 – Concrete Flake or Pellets (94% material)	4.5	1.2

2) Engineer will check solution concentration using a hydrometer according to Materials I.M. 373. Add solution at the rate of 3.0 gallons per cubic yard of concrete. Calcium chloride solutions of different concentrations may be approved by the Engineer, provided appropriate adjustments in the total concrete composition are made.

3) Agitate mixture until calcium chloride is completely in solution, and continue agitation as necessary to maintain uniformity.

4) Except when using continuous mixing equipment described in Article 2001.20, E, ensure calcium chloride solution is present in mix for at least 2 minutes of mixing.

f. Water Reducer.

Type A Mid Range water reducing admixture may be used. Use one listed in Materials I.M. 403, at manufacturer's recommended dosage.

g. Transit Mix Concrete.

Use mix from a plant which can be delivered and placed within 60 minutes from start of mixing. Time may be extended to 90 minutes when a retarding admixture, used according to Materials I.M. 403 including temperature dosage guidelines (and at no additional cost to Contracting Authority), is added at the plant. Continuous mixing equipment using volumetric proportioning may be used according to Article 2001.20, E.

h. Prepackaged Mixture.

A prepackaged mixture, proportioned as specified above for Class B or Class C matching material, may be furnished as a Class B or Class C patching material with the Engineer's approval. Coarse aggregate for prepackaged mixtures shall meet the requirements of Article 4115.05. Mix prepackaged mixtures in an on-site paddle type mixer; or proportion and mix with continuous mixing equipment using volumetric proportioning according to Article 2001.20, E.

B. Joint Boards.

Comply with the following:

1. Joint boards for recreating joints and cracks: use a resilient filler, cellulosic fiber, paraffin coated cardboard, or other nonabsorbent, compressible material of proper shape to recreate joint during placement of patch material.

2. Boards for recreating transverse joints: one piece. One piece boards will not be required in lengths exceeding 6 feet.

3. Boards for recreating longitudinal joints: one piece. One piece boards will not be required in lengths exceeding 6 feet.

4. Joints and open transverse cracks: use a board with a nominal width of 0.25 inch. Metal strips may be used for narrow cracks.

5. Extend boards and metal strips into the pavement to bottom of patch; no horizontal joints permitted.

6. Use of a bond breaker on board surfaces is encouraged.

C. Joint Sealer.
Use hot poured joint sealer meeting requirements of Section 4136.

2530.03 CONSTRUCTION.

A. Equipment.

1. Remove using milling machine, jack hammer, or similar equipment. Equip milling machines to stop at preset depths to prevent damage to dowel bars and reinforcement. Hand equipment may be necessary to achieve designated shape.

2. The following additional equipment is required:
   a. Sandblasting equipment for cleaning prepared patch area.
   b. Air chisel, 15 pound (or less), to complete patch area preparation. Larger air chisel, not to exceed 30 pound, may be used if it does not result in significant damage to patch area and edges.
   c. Air compressor that emits oil and moisture free air for cleaning prepared area.
   d. On-site paddle type concrete mixer for mixing Class A patching material or other prepackaged mixtures.

B. Patch Construction.

1. **General.**
   a. Tabulations for partial depth patches shown in the contract documents are for estimating purposes only. Engineer will designate location and limits of patches.
   b. Hand operated equipment may be necessary for all or some removal.
   c. Remove pavement within designated area to a minimum depth of 2 inches or to sound concrete as determined by the Engineer. Material removed and not designated for salvage becomes property of the Contractor and shall be removed according to Article 1104.08.

2. **Preparation of Patch Area.**
   a. Remove concrete in designated repair area to a minimum width of 12 inches using either of the following methods:
      1) Mill transversely or longitudinally matching general alignment of patch. Use a mill that produces patch edges with a 30 to 60 degree angle or chip back patch edges to a 30 to 60 degree angle. Chip out secondary spalling resulting from milling at no additional cost to the Contracting Authority.
      2) Place 2 inch saw cuts along perimeter of patch area and chip back patch edges to a 30 to 60 degree angle.
   b. If a joint or crack is within patch area, construct bottom edge of patch at least 3 inches beyond joint or crack.

c. Form or saw patch edges to prevent them from protruding beyond edge of existing pavement by more than 3/8 inch.

d. Each patch will have a generally rectangular area. Remove concrete to a minimum depth of 2 inches. Many areas will require removal of unsound concrete to a greater depth to reach sound concrete. Maximum depth is one half existing pavement thickness.

e. Do not damage steel reinforcement during removal process. Damaged steel will be the responsibility of the Contractor. If the end of a dowel bar is exposed, cut or remove dowel. Place duct tape, form oil, grease, or other method approved by the Engineer as a bond breaker on exposed dowels not removed.

f. When removal to a depth of one half existing pavement thickness leaves unsound concrete within patch area, the Engineer may designate part of the patch area as a Overdepth Patch. Remove concrete for the full depth of the pavement. Consolidate subgrade or subbase material using mechanical tamper or other compaction equipment as directed by Engineer. Furnish and install No. 4 (No. 15) tie bars at mid-depth of existing pavement using an approved non-shrink grout. Place bar to provide a minimum two inch concrete cover.

g. When it is necessary to go below reinforcing steel to reach sound concrete, cut reinforcing steel flush with perimeter patch edges and remove.

h. Clean patch area by sandblasting, followed by cleaning with compressed air. Completed surfaces shall appear surface dry to visual examination.

i. Recreate a joint or crack in patch area with a joint board of proper size and shape. Extend board to bottom of patch area to completely separate patching material on both sides. Use board of a width approximately equal to joint or crack. For wide openings, several thicknesses may be used. For patches 6 feet or greater in length:

1) Longitudinal joints may be reestablished by sawing to a depth of 1/3 the pavement thickness.

2) With approval of the Engineer, transverse joints may be reestablished by sawing the full depth of the patch when use of a form board will not allow complete separation of patch material on both sides of joint.

3. Placing Patch Material.

a. Scrub cement-sand-water grout of creamy consistency onto patch surface, including edges. Grout shall consist of two parts of Type I or Type I/II Portland cement and one part sand mixed with water. Mix grout by mechanical means. Place patch material before grout dries. If grout dries before placement of patch material, clean patch area again by sandblasting and air blasting, then reapply grout.

b. Mix patching material and place in patch area. Consolidate and work into place in a manner ensuring good bonding. Level it with adjacent pavement to provide a smooth riding surface not varying from existing pavement surface by more than 1/8 inch when measured with a 10 foot straightedge placed over patch. Replace or grind patch to correct deficiencies. Texture patches longer than 1 foot in the manner of adjacent pavement surface.

c. For Class A patching materials, perform work according to patching manufacturer's recommendations and limitations, subject to approval of the Engineer. Furnish these recommendations to the Engineer.

4. Surface Finish.

Level partial depth patches with adjacent pavement. Trowel toward edge of the repair when finishing. Edge adjacent to joint boards or inserts in fresh concrete. Ensure they have a smooth riding surface.

5. Protecting and Curing.

a. Class A Patching Material.

Cure according to manufacturer's recommendations.

b. Class B Patching Material.

1) Cure as specified in Article 2529.03, H.

2) Cure for minimum time specified in Article 2529.02 for mixture used.

c. Class C Patching Material.

1) Cure patches with an approved white pigmented curing compound meeting the requirements of Section 4105. Apply curing compound within 30 minutes after placement of patching material.

2) Cure patches involving Class M concrete a minimum of 36 hours.

3) Cure according to Article 2529.03, H, when overnight low temperatures are forecast to be below 35°F.

6. Joint and Crack Sealing.
Where joints and cracks cross patches; saw, seal, and clean patch according to Article 2301.03, P. Complete sealing within 5 working days after patch is placed. When joint and crack sealing is included in the contract, perform sealing as part of that operation.

C. Limitations of Operations.

1. Unless road is closed, maintain traffic during construction operations. Conduct operations with minimum inconvenience to traffic. On two-lane roads, limit operations to one traffic lane at a time, except for minor encroachment in adjacent lane for sawing and installing forms when traffic is maintained. For multiple lane roadways, work area may include one lane in each direction.

2. Adjacent lane shall be opened to traffic prior to the pavement being removed from a patch area.

3. When approved by the Engineer, patch areas may extend up to 2 feet into adjacent lane as allowed by the contract documents.

4. Place PCC patching material when ambient air and pavement temperatures are at least 45°F.

5. The Engineer may limit advance sawing.

6. If an emergency makes a DW joint necessary, temporarily fill excavated area following the joint with a suitable hot or cold paving mixture or stable granular material, as directed by the Engineer. The Engineer may direct the lane remain closed to traffic overnight. Provide traffic control.

D. Area Restoration.
When patch is completed, remove forms if they have been used. Fill excavated space along outside pavement edge with material similar to existing shoulder, satisfactory to the Engineer. Thoroughly compact material before section is opened to traffic.

E. Failure Repair.
Repair failed patches that appear within 30 calendar days of original construction or subsequent repair at no cost to Contracting Authority. Failures may include, but are not limited to, loss of bond between patch and underlying pavement or random cracking.

2530.04 METHOD OF MEASUREMENT.
Engineer will determine quantities involved in satisfactory construction of partial depth patches for areas specified as follows:

A. Partial Depth PCC Finish Patches.

1. Engineer will calculate area of each patch in square feet from surface measurements. Area of each patch less than 1 square foot will be counted as 1 square foot for payment purposes. If

patch area is increased by Contractor to accommodate milling equipment, only area designated by the Engineer will be measured for payment.

2. Removal and repair of areas up to one half existing pavement thickness will be included in this payment.

B. Partial Depth PCC Joint and Crack Repair Patches.

1. Measurement for Partial Depth PCC Joint and Crack Repair Patches will be to the nearest 0.1 linear foot on the basis of 12 inch width of repair. Areas designated for repair outside the 12 inch repair width will be measured as Partial Depth PCC Finish Patches per Article 2530.04, A, 1.

2. Removal and repair of areas up to one half existing pavement thickness will be included in this payment.

C. Overdepth Patches.
Engineer will calculate area of each Overdepth Patch in square feet at the mid-depth of the pavement. Area of each patch less than 1 square foot will be counted as 1 square foot for payment purposes.

2530.05 BASIS OF PAYMENT.
Payment for construction of various types of partial depth patches, satisfactorily constructed, at areas specified, will be the contract unit price as follows:

A. Partial Depth PCC Finish Patches.

1. Per square foot.

2. Payment is full compensation for repairs up to one half existing pavement thickness and includes removal of pavement, preparing patch area, furnishing and placing material, construction of joints, sawing, finishing, curing, and restoration of area.

B. Partial Depth PCC Joint and Crack Repair Patches.

1. Per linear foot.

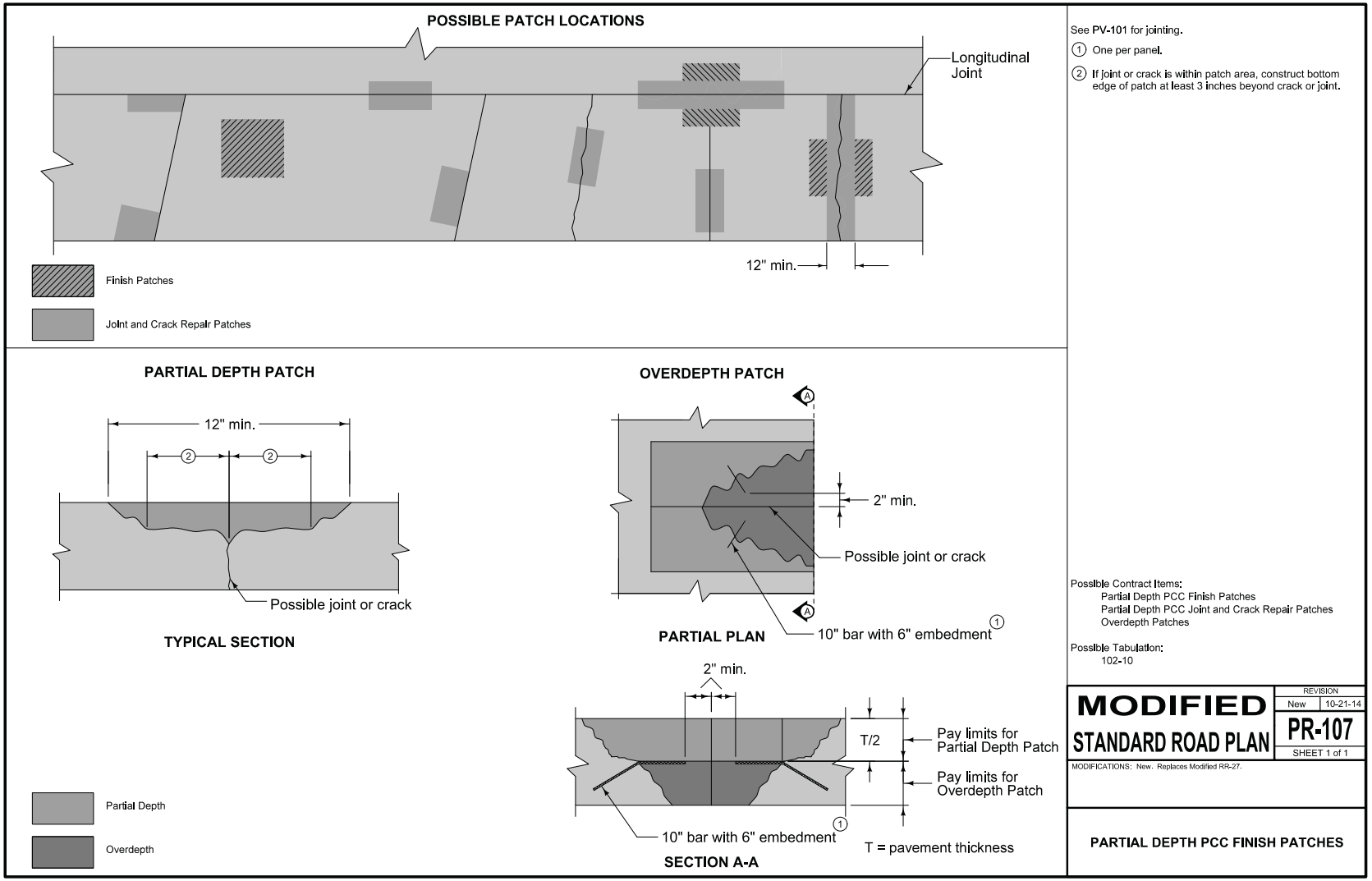
2. Payment is full compensation for repairs up to one half existing pavement thickness and includes removal of pavement, preparing the patch area, furnishing and placing material, construction of joints, sawing, finishing, curing, and restoration of area.

C. Overdepth Patches.

1. Per square foot. Payment for Overdepth Patches will be in addition to Partial Depth PCC Finish Patch or Partial Depth PCC Joint and Crack Repair Patch quantities for the same area.

2. Payment is full compensation for repairs designated in lower half of existing pavement and includes removal of pavement, preparing the patch area, and furnishing and placing material.

D. When joint and crack sealing is included in the contract, it will be paid for as a part of that work.


POSSIBLE PATCH LOCATIONS
Longitudinal Joint
12" min.
Finish Patches
Joint and Crack Repair Patches
PARTIAL DEPTH PATCH
12" min.
2
2
Possible joint or crack
TYPICAL SECTION
OVERDEPTH PATCH
A
2" min.
Possible joint or crack
A
10" bar with 6" embedment 1
PARTIAL PLAN
2" min.
T/2
Pay limits for Partial Depth Patch
Pay limits for Overdepth Patch
10" bar with 6" embedment
1
T = pavement thickness
SECTION A-A
Partial Depth
Overdepth
See PV-101 for jointing.
1 One per panel.
2 If joint or crack is within patch area, construct bottom edge of patch at least 3 inches beyond crack or joint.
Possible Contract Items:
Partial Depth PCC Finish Patches
Partial Depth PCC Joint and Crack Repair Patches
Overdepth Patches
Possible Tabulation:
102-10
MODIFIED
STANDARD ROAD PLAN
REVISION
New 10-21-14
PR-107
SHEET 1 of 1
MODIFICATIONS: New. Replaces Modified RR-27.
PARTIAL DEPTH PCC FINISH PATCHES

100-1A
07-15-97

ESTIMATED PROJECT QUANTITIES
(1 DIVISION PROJECT)

Item No.	Item Code	Item	Unit	Total	As Built Qty.
1	2525-0000200	LOOP DETECTORS (ADDITION OR REPLACEMENT TO AN EXISTING TRAFFIC SIGNAL SYSTEM)	EACH	3	
2	2528-8445110	TRAFFIC CONTROL	LS	1	
3	2528-8445113	FLAGGERS	EACH	See Proposal	
4	2529-2242304	CD JOINT ASSEMBLY	EACH	7	
5	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	1330.8	
6	2529-5070111	PATCHES, FULL-DEPTH FINISH, BY AREA (50 FEET OR GREATER IN LENGTH)	SY	173.3	
7	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	142	
8	2530-5070240	PARTIAL DEPTH PCC JOINT AND CRACK REPAIR PATCHES	LF	1300	
9	2533-4980005	MOBILIZATION	LS	1	
10	2542-1006001	CRACK AND JOINT CLEANING AND FILLING (PCC PAVEMENT)	MILE	4.6	
11	2542-1007000	SEALER MATERIAL (PCC PAVEMENT)	LB	9200	

100-4A
10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
1	2525-0000200	LOOP DETECTORS (ADDITION OR REPLACEMENT TO AN EXISTING TRAFFIC SIGNAL SYSTEM)
		See Tab 102-6C on Sheet C.3 for locations. The Contractor shall coordinate loop detector replacement with the City of Arnolds Park and the City of Okoboji.
		Arnolds Park City Hall (712-332-2341) Contact Person: Ron Walker
		Okoboji City Hall (712-332-2550) Contact Persons: Tim Jensen and Jim Rohwer
		Method of Measurement: The Engineer will count the number of loop detectors furnished and installed.
		Basis of Payment: For the quantity of loop detectors counted and installed the Contractor will be paid the contract unit price for each loop detector.
-	-	-
2	2528-8445110	TRAFFIC CONTROL
		See Traffic Control Plan on Sheet J.1.
-	-	-
3	2528-8445113	FLAGGERS
		Item is need for high volume of traffic and the high number of intersections and entrances, in the three lane work area.
-	-	-
4	2529-2242304	CD JOINT ASSEMBLY
		See Tab 102-6C on Sheets C.3 and C.4.
-	-	-
5	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA
		See Tab 102-6C on Sheets C.3 and C.4. Quantity includes an additional 20% to be placed at the discretion of the Engineer. Contractor shall exercise care when placing patches around manholes. Patches around manholes shall be finished to the manhole surface elevation.
-	-	-
6	2529-5070111	PATCHES, FULL-DEPTH FINISH, BY AREA (50 FEET OR GREATER IN LENGTH)
		See Tab 102-6C on Sheets C.3 and C.4.
-	-	-
7	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT
		See Tab 102-6C on Sheets C.3 and C.4. Quantity includes an additional 20% to be placed at the discretion of the Engineer.
-	-	-
8	2530-5070240	PARTIAL DEPTH PCC JOINT AND CRACK REPAIR PATCHES
		Refer to Tab. 102-10 on Sheet C.2 for locations. Overnight closures are not permitted.
-	-	-
9	2533-4980005	MOBILIZATION
		- -
-	-	-
10	2542-1006001	CRACK AND JOINT CLEANING AND FILLING (PCC PAVEMENT)
		Refer to Tab. 102-10 on Sheet C.2 for locations. The intent of this bid item it to remove the existing backer rod and joint sealer from all sawn joints and place new filler material in the joint. Backer rod shall not be installed. Project includes 0.4 miles of 4-lane and 1.9 miles of 3-lane pavement between West Okaboji Grove Road and 175th Street.
-	-	-
11	2542-1007000	SEALER MATERIAL (PCC PAVEMENT)
		- -
-	-	-

100-1D
10-18-05

PROJECT DESCRIPTION

This is a full-depth finish patching project on US 71 from Okoboji Grove Rd. in Arnolds Park to 175th St. in Okoboji.

105-4
10-18-11

STANDARD ROAD PLANS

The following Standard Road Plans apply to construction work on this project.

Number	Date	Title
PR-103	10-21-14	Full Depth PCC Patch with Dowels
PV-101	04-19-16	Joints
PV-103	04-19-11	Manhole Boxouts in PCC Pavement
TC-1	04-16-13	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	04-21-15	Work Within 15 ft of Traveled Way
TC-228	10-15-13	Lane Closure Involving TWLTL
TC-231	10-15-13	Slow Moving Vehicle Operating in the Traffic Lane
TC-402	04-21-15	Work Within 15 ft of Traveled Way
TC-419	04-19-16	Lane Closure on Undivided Highway
TC-431	04-16-13	Slow Moving Vehicle Operating in the Traffic Lane

262-6
10-18-05

UTILITIES
(NOT A POINT 25 PROJECT)

This is NOT a POINT 25 project and is not subject to the provisions of IAC 761-115.25.

102-5
10-16-12

EXISTING PAVEMENT

No.	Location					Year	Type	Project Number	Surface		Base		Subbase		Removal		Coarse Aggregate			Reinforcement	Remarks
	County	Route	Dir. of Travel	Begin Milepost	End Milepost				Type	Depth IN	Type	Depth IN	Type	Depth IN	Type	Depth IN	Source	Type	Durability Class	Type	
1	30	US 71	1	220.21	221.67	2000		NHS-71-9(39)--19-30	PCC	10.5	SPC	15.5					ROHLIN LOST PIT				
2	30	US 71	1	221.67	222.95	2000		NHS-71-9(40)--19-30	PCC	10.5	SPC	6					ROHLIN LOST PIT				

102-10
08-01-08

TABULATION OF PARTIAL DEPTH PCC FINISH PATCHES

Location			Estimated Quantities		Remarks
Station to Station or Milepost to Milepost		Lane	Number of Patches	SF	
Broadway	Katrina	SB/Lt. Turn	1	950	Joint and crack repair-longitudinal-950'
Katrina	Carita	SB/Lt. Turn	1	350	Joint and crack repair-longitudinal-350'