

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: April 17, 2012
Date of Addendum: April 10, 2012

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
109	52-3715-637	PCC Pavement - Grade & Replace	Johnson	STP-U-3715(637)--70-52	17apr109.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. 1461 2599-9999018 TEMPORARY WALKWAY SURFACING

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

Make the following change to SP-096040 - Special Provisions for Modular Block Wall (Heavy):

Delete the manufacturing companies and Section 2.01 and replace with the attached approved sources and Section 2.01.

Make the following change to Plan Sheet C.03:

Delete the following note to the reference notes for the item 2115-0100000, MODIFIED SUBBASE:

C. Use of recycled PCC and HMA pavements for modified subbase will not be allowed on this project.

Make the following Change to Plan Sheet C.05:

Add the following note to the reference notes for Item No. 48 - 58:

The method of measurement for storm sewer shown in Article 2503.04 shall be changed to the following: The storm sewer is to be measured and paid from inside wall of structure to inside wall of structure.

Replace note B with the following:

B. Refer to Iowa DOT Standard Road Plans SW-101 and the attached modified SW-102 for typical trench details.

Replace note D with the following:

- D. Trench bedding and backfill for storm sewers in paved areas (mainline, side roads and driveways) or within 5 feet of shall be Class A Granular Material (Specification 4120.04 & 4109 – Gradation No. 11) compacted to 95% Standard Proctor Density. The top 12 inches directly below the pavement subbase shall be compacted to 98% Standard Proctor Density.

Make the following Change to Plan Sheet C.07:

Replace note D with the following reference note for Item No. 104 - 107:

- D. Trench bedding and backfill for storm sewers in paved areas (mainline, side roads and driveways) or within 5 feet of shall be Class A Granular Material (Specification 4120.04 & 4109 – Gradation No. 11) compacted to 95% Standard Proctor Density. The top 12 inches directly below the pavement subbase shall be compacted to 98% Standard Proctor Density.

Make the following change to Plan Sheet C.09:

Add the following note to the reference notes for the item 2599-9999018, TEMPORARY WALKWAY SURFACING:

- A. Item has been included for use in surfacing a temporary pedestrian walkway in construction phase 2, stage 2A (refer to sheet J.09).
- B. Temporary Walkway Surfacing shall be 2-inch HMA (1/2" Commercial Mix with a PG 64-22 Asphalt Binder).
- C. Includes placement, removal, maintenance and repair of the temporary surfacing.
- D. The Contractor will be paid the contract unit price per square yard. This shall be considered full compensation for furnishing all tools, equipment, labor and materials necessary for the construction, maintenance and repair of the temporary surfacing in accordance with the contract documents.

Make the following change to the Plan Sheet C.09:

Tab. 105-4 STANDARD ROAD PLANS:

Delete SW-102 Dated 04-21-09
Add attached modified SW-102 to the plans.

Bid Order No.: 109
 Proposal ID No.: 52-3715-637 Letting Date: APRIL 17, 2012
 Primary Work Type: PCC PAVEMENT - GRADE & REPLACE 10:00 A.M.
 Primary County: JOHNSON

ITEMS LISTED ON THIS PAGE ARE ADDED BY ADDENDUM 20apr109.a01

UNIT BIDS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
Section 0001 (continued)						
ROADWAY ITEMS						
1461	2599-9999018 TEMPORARY WALKWAY SURFACING	540.000 SY	.		.	
=====						
	Total Bid				.	
=====						

PART 2 – MATERIALS

The wall source and system shall be in accordance with the Iowa DOT Materials IM 445.05 Appendix A and B respectively.

2.01 CONCRETE UNITS

Compressive Strength Requirements

Concrete segmental units and cap blocks shall have a minimum 28-day compressive strength of 6000 psi for any one individual unit. A minimum compressive strength of 3500 psi shall be achieved before blocks may be moved and/or transferred to a storage site. Air content in the fresh concrete shall be 7%, minus 1% plus 1.5%.

Sampling and Testing

- A) Specimens shall be representative of the whole lot of units. Note: the term “lot” refers to any number of concrete units of any configuration or dimensions manufactured by the producer using the same materials, concrete mix design, manufacturing process and curing method.
- B) The minimum required sampling rate for mix design approval is as follows:
- 1) One sample per mix design, per product type, per year.
 - 2) Sample size shall be a minimum of three sets of three cylinders cast using the mix design. Three cylinders will be broken at 7, 14, and 28 days.
 - 3) Air content, slump and water cement ration shall be recorded at the time the cylinders are cast
- C) A minimum of three full-size units shall be measured for width, height and length. Use average measurement to determine the minimum face shell thickness.

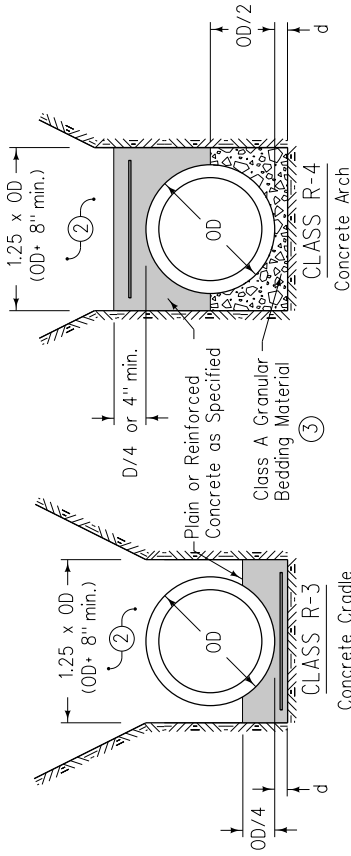
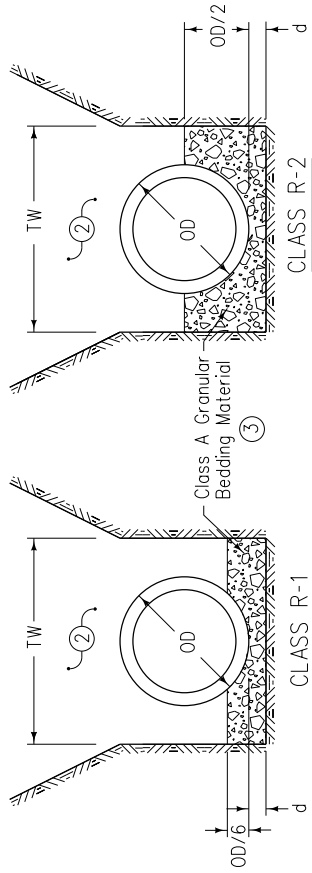
Overall dimensions for width, height and total length shall not differ by more than +/- 1/8 inch (+/- 3.2 mm) from the specified minimum dimensions.

D) Compression Testing – A minimum of one set of three cylinders will be made per week of production and tested to determine compliance with the specified strength. At the Engineer’s discretion cores may be taken from finished units to evaluate specification requirements.

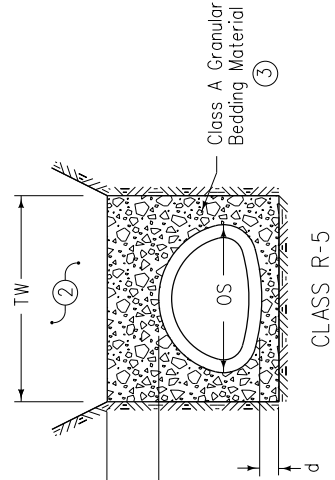
E) Air content and slump shall be tested and recorded at least once per day during production.

All units shall be sound and free of cracks and other defects that would interfere with the proper placing, physical appearance and/or impair the strength or long-range performance of the units.

① RCP AND VCP PIPE BEDDING



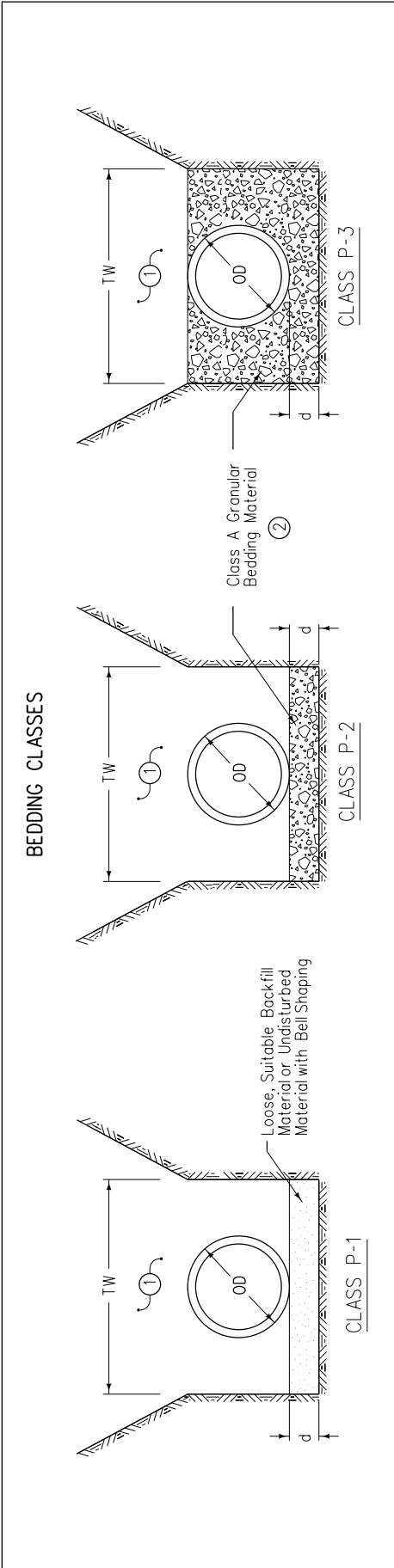
REINFORCED CONCRETE ARCH PIPE BEDDING



- ① Use Bedding Class R-1 or R-2 unless specified otherwise.
- ② Place remainder of bedding and backfill materials as specified in the contract documents.
- ③ Class A granular material shall be in accordance with Iowa DOT standard specifications 4120.04 and 4109 (Gradation No. 11).

Key

- OD = Outside diameter of pipe
- OS = Outside span of pipe
- TW = Trench width at top of pipe:
Min. = OD + 18 inches
Max. = 1.25 x OD + 12 inches OR
54 inches (whichever is greater)
- d = Depth of bedding material below pipe:
OD/8 or OS/8, OR 4 inches
(whichever is greater)



ALLOWABLE BURY DEPTH

Pipe Diameter (inches)	DUCTILE IRON, AWWA C151, CLASS 52			PVC, AWWA C900 & C905, DR18		
	Class P-1 Bedding	Class P-2 Bedding	Class P-3 Bedding	Class P-1 Bedding	Class P-2 Bedding	Class P-3 Bedding
4	40'	40'	40'	19'	23'	40'
6	40'	40'	40'	19'	23'	40'
8	40'	40'	40'	19'	23'	40'
10	36'	40'	40'	19'	23'	40'
12	31'	40'	40'	19'	23'	40'
14	26'	40'	40'	19'	23'	40'
16	23'	37'	40'	19'	23'	40'
18	20'	34'	40'	19'	23'	40'
20	18'	32'	40'	19'	23'	40'
24	16'	29'	38'	19'	23'	40'
30	13'	23'	31'	19'	23'	40'
36	13'	22'	30'	19'	23'	40'
42	13'	21'	29'	19'	23'	40'
48	13'	19'	27'	19'	23'	40'
54	13'	19'	27'	19'	23'	40'

- ① Place remainder of bedding and backfill material as specified in the contract documents.
 - ② Class A granular material shall be in accordance with Iowa DOT standard specifications 4120.04 and 4109 (Gradation No. 11).
- Key
- OD = Outside diameter of pipe
- TW = Trench width at top of pipe:
Min. = OD+18 inches OR 1.25xOD+12 inches (whichever is greater)
- d = Depth of bedding material below pipe:
Min. = OD/8, OR 4 inches (whichever is greater)

SW-104
PRESSURE PIPE TRENCH BEDDING
SCALE: NONE