



Department of Transportation

Aberdeen Region Office

West Highway 12

PO Box 1767

Aberdeen, South Dakota 57402-1767 605/626-2244

FAX: 605/626-7875

February 10, 2009

ADDENDUM NO. 1

Re: **212 E-171, PCN i1dd**
Codington County
Replace Traffic Signal Cabinet Back Panel

TO WHOM IT MAY CONCERN:

The following addenda to the plans shall be inserted and made part of your plans for the referenced project:

Sheet 2: Discard the plan note sheet and replace with the enclosed revised plan note sheet. The plan notes under the headings MISCELLANEOUS SIGNAL PARTS and MAIN BACK PANEL have been revised.

Sincerely,

DEPARTMENT OF TRANSPORTATION

Jeff Senst, P.E.
Region Engineer

cc: Plan Holders Humphrey File

ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	LUMP SUM	L S
634E0100	Traffic Control	408	Unit
634E0120	Traffic Control, Miscellaneous	LUMP SUM	L S
635E5800	Miscellaneous Signal Parts	LUMP SUM	L S

SPECIFICATIONS

Standard Specifications for Roads & Bridges, 2004 Edition and Required Provisions, Supplemental Specifications and/or Special Provisions as included in the Proposal.

SCOPE OF WORK

Work shall consist of but not be limited to the replacement of existing back panel in the traffic signal controller cabinet located at US 212 and 29th Street East, in Watertown SD.

ON-SITE INSPECTION

An on-site inspection of the traffic signal shall be conducted before acceptance of the project, once the traffic signal is completed and operational. The on-site inspection shall be conducted by the Contractor, Region Traffic Engineer, City Traffic Engineer, Project Engineer and the Traffic Design Engineer.

SHOP DRAWING AND CATALOG CUTS SUBMITTALS

The Contractor shall submit shop drawings and catalog cuts according to the South Dakota Standard Specifications for Roads and Bridges or in Adobe PDF format.

Adobe PDF submittals shall be sent to the following email addresses:

Pete.Longman@state.sd.us
Dan.Martell@state.sd.us

MISCELLANEOUS SIGNAL PARTS

Existing back panel shall be removed and replaced with a new back panel. Existing plug-in components including, Econolite Controller, Econolite Detector Racks, load switches, BIU and relays shall be reused in the new back panel.

All costs associated with furnishing and installing the new back panel and installation of the existing plug-in components shall be incidental to the contract Lump Sum price for “Miscellaneous Signal Parts”,

EXISTING TRAFFIC SIGNAL CABINET

The existing traffic signal cabinet is a NEMA type 3R. Cabinet size is; 44” wide, 49 ½” high and 26” deep.

Existing back panel shall become the property of the Contractor.

MAIN BACK PANEL

The new cabinet back panel shall conform to NEMA TS2 Type 1 Traffic Signal Cabinet standards. The main back panel shall be constructed of 5052-H32 brushed aluminum of 0.090 inches minimum thickness and formed so as to minimize any flexing when plug-in components are installed.

The new back panel shall be fully wired to accommodate sixteen Load Switch sockets, six flash transfer relay sockets, and one flasher socket.

Terminal strips located on the back panel shall be accessible to the extent that it shall not be necessary to remove the electronic equipment from the cabinet to make an inspection or connection.

MAINTENANCE OF TRAFFIC

Traffic shall be maintained in accordance with the Manual on Uniform Traffic Control Devices and as follows:

Removing, relocating, covering, salvaging and resetting of existing traffic control devices, including delineation, shall be the responsibility of the Contractor. Cost for this work shall be incidental to the contract unit prices for the various items unless otherwise specified in the plans. Any delineators and signs damaged or lost shall be replaced by the Contractor at no cost to the State.

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	212 E - 171	2	10

Revised 2-10-2009 by Alan J. Petrich

Storage of vehicles and equipment shall be outside the clear zone and as near as possible to the right-of-way line. Contractor’s employees should mobilize at a location off the right-of-way and arrive at the work sites in a minimum number of vehicles necessary to perform the work.

Indiscriminate driving and parking of vehicles within the right-of-way will not be permitted. Any damage to the vegetation, surfacing, embankment, delineators and existing signs resulting from such indiscriminate use shall be repaired and/or restored by the Contractor, at no expense to the State, and to the satisfaction of the Engineer.

All breakaway sign supports shall comply with FHWA NCHRP 350 crash-worthy requirements. The Contractor shall provide post installation details at the preconstruction meeting for all steel post breakaway sign support assemblies.

The new back panel shall be replaced between the hours of 11:00 PM to 5:00 AM. The Contractor shall replace the back panel in such a manner as to minimize the time the traffic signal will not operate in programmed phases or flash mode.

During the time the signal is not operable, traffic shall be controlled by the use of 48” Stop signs on each approach to the intersection. A Stop Ahead Symbol shall be installed 750’ in advance of the Stop sign, except on 29th Street east, the Stop Ahead Symbol shall be placed 300’ in advance of the stop sign.

After installation of the new back panel and at a point when the traffic signal can be operated in flash mode, stop signs, and Stop Ahead Symbol signs shall be removed and traffic shall be controlled by the traffic signal in flash mode until wiring of the signal system in the controller cabinet is complete.