ADDENDUM NO. 4

ANTELOPE CREEK TRUNK SEWER PROJECT 502142
SPEC. NO. 03-314

TO ALL PROSPECTIVE BIDDERS:

1. Remove Bid Proposal Pages 2 thru 5 and Replace with Revised Bid Proposal Pages 2 thru 5.

2. Add the attached Special Provisions for Traffic Control Pages 1 thru 6.

NOTE: Bidders are instructed to sign and fax this page of Addendum No. 4 back to the City of Lincoln Engineering Services, attention Mary Lowe at fax number 402-441-6576, as evidence that this Addendum No. 4 has been received. Failure to do so could result in rejection of your bid.

_____

Company/Contact Person

PROFESSIONAL CIVIL ENGINEER
KENT E. EVANS
E-9875
1/9/04
STATE OF NEBRASKA

State of Nebraska
Dept of Transportation
Schedule of Items

Page 2
Date: 12-08-03
Revised: 01-09-04

Contract ID: 502142 Project(s):
Letting Date: 12-24-03 Call Order: 001

Bidder:

Line No.	Item Description	Approx. Quantity and Units	Unit Price Dollars	Unit Price Cts	Bid Amount Dollars	Bid Amount Ct
Section 0001						
	Alt Group					
0005	01.0130 Concrete Base, 5" Thick	45.000 S.Y.				
0010	01.0140 Asph. Conc. Surface Course, For Arterial Street	11.000 Ton				
0015	01.0150 Asph. Conc. Surface Course, For Residential Street	7.000 Ton				
0020	01.0210 Type "A" Sawing	125.000 L.F.				
0025	01.0230 Type "C" Sawing	81.000 L.F.				
0030	02.0010 General Clearing & Grubbing	1.000 L.S.				
0035	02.0020 Tree Removal (12" to 23")	26.000 Ea.				
0040	02.0030 Tree Removal (24" to 35")	3.000 Ea.				
0045	06.0020 Combined Curb & Gutter	20.000 L.F.				

State of Nebraska
Dept of Transportation
Schedule of Items

Date: 12-08-03
Revised: 01-09-04

Contract ID: 502142 Project(s):
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Bidder:

Line No.	Item Description	Approx. Quantity and Units	Unit Price Dollars	Unit Price Cts	Bid Amount Dollars	Bid Amount Ct
0050	07.0045 Concrete Bikeway, 5" Thick	914.000 S.F.				
0055	10.0010 Crushed Rock Surfacing (In Place)	12.000 Ton				
0060	21.1840 5' R.C. Low Flow Liner	20.000 L.F.				
0065	21.1870 2' R.C. Low Flow Liner	16.000 L.F.				
0070	22.0620 Standard Manhole, Type "G"	11.000 Ea.				
0075	22.0630 Standard Manhole, Type "G"	96.000 V.F.				
0080	22.0740 Concrete for Plugs & Collars (In Place)	0.230 C.Y.				
0085	24.0105 Remove Pull Box	1.000 Ea.				
0090	24.0807 Pull Box Type PB-9	1.000 Ea.				
0095	24.0901 Conduit In Trench, 1/2 inch PVC	20.000 L.F.				

State of Nebraska
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Bidder:

Line No.	Item Description	Approx. Quantity and Units	Unit Price Dollars	Unit Price Cts	Bid Amount Dollars	Bid Amount Ct
0100	24.1701 Vehicle Detector, Type 2	2.000 Ea.				
0105	24.6999 Mobilizatio n	1.000 L.S.				
0110	30.0090 Seeding, Type "D"	8.000 Ac.				
0115	32.0040 Synthetic Fabric Silt Fence Installation	4,780.000 L.F.				
0120	32.0050 Synthetic Fabric Silt Fence Maintenance	4,780.000 L.F.				
0125	32.0060 Synthetic Fabric Silt Fence Removal	4,780.000 L.F.				
0130	50.0001 Misc. Reconstruct Inlet	1.000 Ea.				
0135	50.0001 Misc. Special Manhole at Sta. 46+84.71, Comple	1.000 Ea.				
0140	50.0001 Misc. Special 96" Manhole at Sta. 18+07.56, Co	1.000 Ea.				
0145	50.0005 Misc. 30" Sanitary Sewer Pipe	4,526.000 L.F.				

State of Nebraska
Dept of Transportation
Schedule of Items

Date: 12-08-03
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Contract ID: 502142 Project(s):
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Bidder:

Line No.	Item Description	Approx. Quantity and Units	Unit Price Dollars	Unit Price Cts	Bid Amount Dollars	Bid Amount Ct
0150	50.0015 Misc. Construction Staking	1.000 L.S.				
0155	50.0153 Traffic Control for Construction	1.000 L.S.				
	Section 0001 Total					
	Bid Total					

ADDENDUM NO. 4

ANTELOPE CREEK RELIEF TRUNK SEWER PROJECT 502142
SPEC. NO. 03-314

PROFESSIONAL CIVIL ENGINEER
DOUGLAS G. HOLLEY
E-10347
STATE OF NEBRASKA

TO ALL PROSPECTIVE BIDDERS:

PHASING REQUIREMENTS

The closure of Pioneers Boulevard and corresponding detour shall not occur while Pioneers Boulevard is closed at 84th Street as part of the 84th Street reconstruction project.

The detour route for Pioneers Boulevard traffic will follow one of two scenarios (dependent on the closure status of 84th Street):

Scenario #1 - 84th Street closed north of Pioneers Boulevard

Eastbound traffic shall be detoured at 70th Street, south to Old Cheney Road, east to 84th Street, and north to Pioneers Boulevard. Westbound traffic shall be detoured at 84th Street, south to Old Cheney Road, west to 70th Street, and north to Pioneers Road. Access to local traffic shall be maintained along Pioneers Boulevard between 70th Street and 84th Street.

Scenario #2 – 84th Street closed south of Pioneers Boulevard

Eastbound traffic shall be detoured at 70th Street, north to Van Dorn Street, east to 84th Street, and south to Pioneers Boulevard. Westbound traffic shall be detoured at 84th Street, north to Van Dorn Street, west to 70th Street, and south to Pioneers Road. Access to local traffic shall be maintained along Pioneers Boulevard between 70th Street and 84th Street.

Pioneers Boulevard shall be closed for a maximum of 5 calendar days. If Pioneers Boulevard is closed to two-lane/two-way traffic for longer than 5 calendar days, liquidated damages will be charged at an amount of $2000/day.

WORK ZONE TRAFFIC CONTROL

General

The Contractor shall maintain traffic during construction and provide, install, and maintain all traffic control devices in accordance with the Project Special Provisions and the City of Lincoln Traffic Control Guidelines for Street Construction, Maintenance and Utility Operations. Traffic control shall conform to the ordinances and regulations of the City of Lincoln and the Manual of Uniform Traffic Control Devices for Streets and Highways, U.S. Department of Transportation, latest edition and revisions thereto (MUTCD).

Scope

This work shall consist of furnishing and maintaining in place all barricades, warning signs, lights, and other safety devices required to protect the work, divert traffic, and warn pedestrians of open excavations, unfilled trenches, and other areas or conditions which might be hazardous or dangerous during daylight or darkness. Detours shall be maintained throughout the period of construction in such a manner as to provide the least amount of disruption to normal traffic flow.

The Contractor shall strictly adhere to all time limits and other restrictions as specified by the City Engineering Services Division in the approval of the Traffic Control Plan. All traffic control and traffic control devices required for any operation shall be functional and in place prior to the commencement of that operation. Signs for temporary operations shall be removed during periods of inactivity. The Contractor shall leave the project in a manner that is be safe to the traveling public and does not impede motorists.

All traffic and/or traffic control devices shall be provided, maintained and/or controlled as specified in the Manual on Uniform Traffic Control Devices (MUTCD) and the City of Lincoln Traffic Control Guidelines for Street Construction, Maintenance and Utility Operations. All traffic control devices shall be kept clean and be legible under all conditions.

Traffic movements through temporary lane closures on roads with one-lane, two-way traffic shall be controlled by flagpersons stationed at each end of the work zone, except for short distances on low speed, low volume residential streets. In situations where sight distance is limited, the Contractor shall provide additional means of controlling traffic, including, but not limited to, two-way radios, pilot vehicles, or additional flagpersons. Flagpersons shall be competent personnel, adequately trained in flagging procedures, and furnished with proper safety devices and equipment, including, but not limited to, safety vests and stop/slow paddles.

All personnel when working in close proximity to traffic shall wear an approved safety vest, or shirt or jacket which meets the color requirements of the MUTCD.

Unless otherwise specified in the contract documents, the construction signing, striping, maintenance, and removal of all detours shall be supplied by the Contractor at his expense.

Before directing vehicular traffic into an area, the Contractor shall install temporary asphalt surfaces and pavement markings where required. All conflicting pavement markings shall be completely removed before the street is opened to traffic. Unless otherwise specified in the contract documents, the removal of conflicting pavement markings, the temporary asphalt surfaces, and the temporary pavement markings shall be installed by the Contractor at his expense.

Materials

All Traffic Control Devices shall conform to MUTCD, unless the City Traffic Engineering Division authorizes variations. All Traffic Control Devices shall meet NCHRP 350 guidelines.

Reflective Sheeting

All signs, barricades, and cones shall be reflectorized as required by the current edition of the MUTCD.

The type of reflective sheeting shall comply with the following minimum requirements:

On low speed streets with posted speed limits of 40 M.P.H. or lower, smooth surface enclosed lens Type II retro-reflective sheeting shall be used.

On high speed streets with posted speed limits over 40 M.P.H., high performance bead-encapsulated or microprism Type IIA and Type III retro-reflective sheeting shall be used.

In no case shall sheeting with a specific brightness value fall below the original requirement. Any sign, barricade, cone, etc. on which reflective sheeting falls below the requirement shall be replaced by the Contractor at the Contractor's expense.

Construction Requirements

Prior to commencing work, the Contractor shall coordinate with the City Engineering Services Division in the removal of traffic control devices that must be removed or relocated to accommodate the work. The Contractor shall store all traffic control devices in a safe and secure manner throughout the period of work and assume responsibility for temporary devices if necessary.

Prior to opening the work area to traffic, the Contractor shall reinstall the traffic control devices as directed by the City Engineering Services Division. Any traffic control devices damaged during removal, relocation, storage, or reinstallation shall be repaired or replaced by the Contractor at their expense.

The removal, relocation, storage, and reinstallation of existing devices shall not be paid for separately, but shall be considered incidental to the project.

Traffic Control Plans

The Contractor shall coordinate with the City Design/Construction Section and Traffic Engineering Section to determine the site-specific staging and/or phasing requirements. The Contractor shall schedule the work in such a manner as to comply with the staging and/or phasing requirements contained in the contract documents.

The Contractor shall submit Traffic Control Plans in drawing form for the review and approval of the City Engineering Services Division two (2) weeks prior to proposed work. No phase of construction shall commence until the Traffic Control Plan has been approved. Approved Traffic Control Plans shall not be revised without prior approval of the City Engineering Services Division. Revisions shall be submitted in accordance with the above requirements.

Traffic Control Plans for street closure and major detours of local and/or through traffic shall be submitted to the City Engineering Services Division at least ten (10) calendar days in advance of the closure or detouring. Traffic Control Plans not involving closures

or major detours shall be submitted a minimum of seventy-two (72) hours (three City business days) prior to implementation.

A Traffic Control Plan Submission Form shall accompany each submission. The Submission Form shall be complete in its entirety (blank spaces, "same," and "ditto" shall not be accepted). The Traffic Control Supervisor shall provide a night telephone number to assure twenty-four (24) hour availability.

Traffic Control Plans shall include detailed signing, barricading, and traffic detouring information for each phase or stage of construction including, as a minimum: type and number of devices, working hours, number and location of flagpersons, and time restriction, if any. Traffic Control plans shall either be on 11" x 17" or 22" x 34" Paper or Mylar.

Copies of the approved Traffic Control Plans shall be available on-site at all times; the Contractor shall provide copies to the Traffic Engineer, Project Manager, and Project Observer.

The Contractor shall provide any changes in the traffic control plan to the Engineer on a daily basis, and if required, shall also provide notification to the public by approved means.

Traffic Control Supervisor

The Contractor shall provide a Traffic Control Supervisor who shall perform the traffic control management and shall be responsible for maintaining all traffic control devices in compliance with the approved Traffic Control Plan. The name of the Traffic Control Supervisor shall be submitted for approval prior to commencing construction. The Traffic Control Supervisor shall have an up-to-date copy of Part VI of the MUTCD and City of Lincoln Traffic Control Guidelines for Street Construction, Maintenance and Utility Operations available on-site at all times.

The Contractor shall maintain a twenty-four (24) hour, seven (7) days a week (including weekends and holidays) emergency service to remove, install, relocate, and maintain warning devices. The Contractor shall furnish to the City the name and telephone number of the Traffic Control Supervisor responsible for emergency service.

In the event the Traffic Control Supervisor does not respond within two (2) hours, or the City deems it necessary to accomplish emergency services, the Contractor shall be responsible for the cost of such emergency services.

Duties

The Traffic Control Supervisor's duties shall include, but not be limited to:

- Preparing, revising, and submitting the Traffic Control Plan as required.
- Direct supervision of project flagpersons.
- Coordinating all traffic control operations, including those of subcontractors and suppliers.
- Coordinating project activities with appropriate police and fire control agencies.
- Maintaining a project Traffic Control diary that shall become a part of the project records.

Inspecting and insuring functionality of traffic control devices on every calendar day.

Flag persons

The City Engineering Services Division may require flag persons. All flagging personnel shall have completed the minimum training requirements for flag persons prior to beginning the project. Flag persons shall be required to have their certification card upon their person when engaged in any flagging operation.

Access to Adjacent Properties

The Contractor shall notify all affected residents and/or property owners a minimum of 48-hours prior to restricting normal access from public streets to adjacent properties. The Contractor shall inform each resident and/or property owner of the nature of the access restriction, the approximate duration of the restriction, and the alternate access routes available for their property.

Non-Compliance

Any action on the part of the Contractor that results in non-compliance with the approved Traffic Control Plan and/or the requirements of this section shall be cause for reduction in payment. The payment shall be reduced by the following method:

Basis Of Payment

Payment for Traffic Control shall be reduced by an amount equal to the Traffic Control Lump Sum amount bid divided by the total number of contract days as stated in the bid documents multiplied by the number of days the Contractor is not in compliance with the approved Traffic Control Plan and/or the requirements of this section. In no case shall the amount of the reduction in payment per day be less that one (1) percent of the lump sum amount bid for the traffic control pay item.

Traffic Control devices and Traffic Control Supervisors provided in accordance with this Special Provision shall not be measured but shall be paid for by the contract Lump Sum price bid for the item "Traffic Control." This payment shall be full compensation for work described in this Special Provision. The amount of the lump sum to be included in each partial payment shall be in proportion to the value of the work completed with respect to the total amount of the original bid.

VARIABLE MESSAGE SIGNS

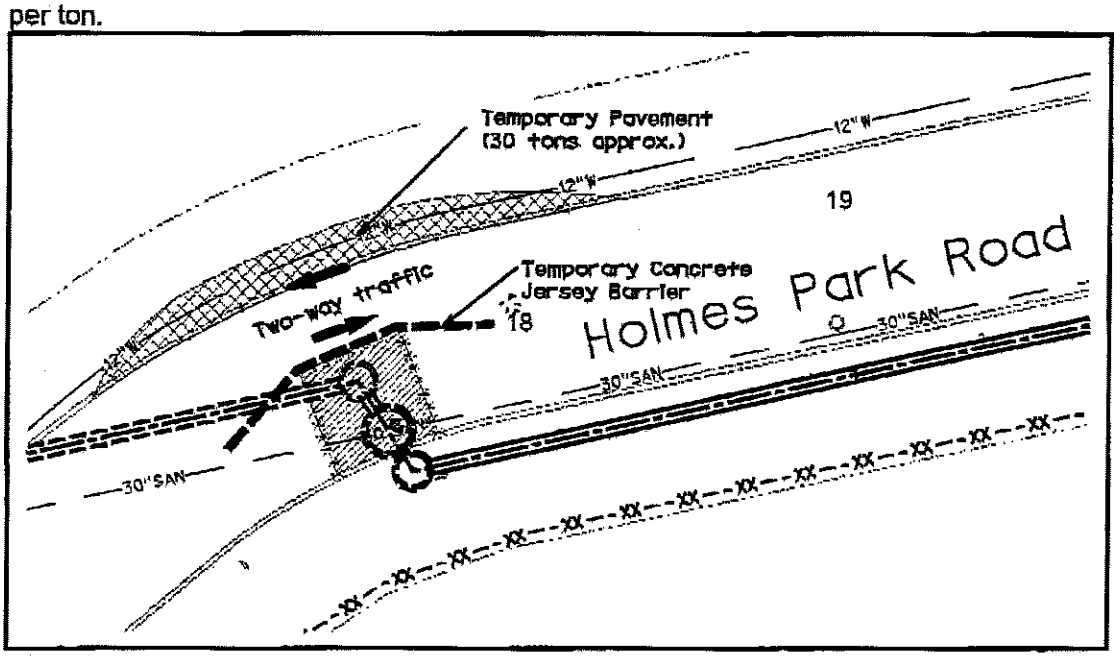
The Contractor will be required to furnish, install and maintain Variable Message Signs to alert traffic to the construction and traffic configuration during various construction phases of the project. The variable message signs will be placed a minimum of 5 days in advance to the disruption or shifting of traffic or as directed by the Engineer. The signs shall be left up for at least 3 days once construction has begun to inform the public of the current traffic configurations as directed by the Engineer. Sign placement shall be shown on the Traffic Control Plans for each phase of the construction and must be approved by the Engineer. All messages shown on the signs shall be as specified by

the Engineer. It is anticipated that a maximum of two variable message signs will be required for the Antelope Creek Relief Trunk Sewer Project.

Payment for the Variable Message Sign shall be a fixed cost "EXTRA WORK" and paid for at the contract unit price of seventy-five dollars ($75.00) per day for the pay item "Variable Message Sign". Such payment shall be full compensation for furnishing, placement, maintenance, removal and all other incidentals required to provide fully operational Variable Message Signs.

TEMPORARY CONCRETE JERSEY BARRIER

The Contractor will be required to furnish, install, and maintain 60 L.F. of Temporary Concrete Jersey Barrier in Holmes Park Road adjacent to the pavement removal identified in the plans. The location of the Temporary Concrete Jersey Barrier shall be determined by the Engineer. Payment for the Temporary Concrete Jersey Barrier shall be included in the lump sum cost for "Traffic Control". Such payment shall be full compensation for furnishing, placement, maintenance, removal and all other incidentals required for the use of Temporary Concrete Jersey Barrier.

TEMPORARY PAVEMENT

Two-way traffic shall be maintained at all times along Holmes Park Road (see figure below). Temporary pavement shall consist of 6 inch asphaltic concrete pavement with a prepared subgrade. All labor, materials, tools, and incidentals necessary to install and remove this temporary pavement shall be measured and paid at the contract unit price bid for "ASPHALTIC CONCRETE SURFACE COURSE, FOR RESIDENTIAL STREET", per ton.