

**DIVISION I-A**

**SPECIAL PROVISIONS**

**HANDICAP RAMP PROJECT NO. 2010-1**  
**VARIOUS LOCATIONS**

**DIVISION IA - SPECIAL PROVISIONS**  
**SECTION 200 – GENERAL**

**200.01 General Description of Work.** The work to be performed under the provisions of these contract documents consists of furnishing all materials, equipment, tools, labor and plant, and the performance of all necessary labor to complete the construction, including all work appurtenant thereto of Portland Cement Concrete sidewalk in Handicap Ramp Project No. 2009-1.

**200.02 Location of Work is at Intersections Listed as Follows.**

**SECTION A -**

- **Section #A1.** Eddy Street at 11<sup>th</sup> Street, 12<sup>th</sup> Street, 13<sup>th</sup> Street, 14<sup>th</sup> Street, 15<sup>th</sup> Street, 16<sup>th</sup> Street, 17<sup>th</sup> Street, & 18<sup>th</sup> Street.
- **Section #A2.** 5-Points intersection.
- **Section #A3.** Broadwell Avenue at Waugh Street & College Street.

**SECTION B -**

- **Section #B1.** 1<sup>st</sup> Sreet at Sycamore Street, Oak Street, & Vine Street.

**SECTION C -**

- **Section #C1.** Locust Street at Fonner Park Road, South Street, Anderson Avenue, Delaware Avenue, Phoenix Avenue, Oklahoma Avenue, Anna Street, John Street, Schuff Street, Louise Street, Ashton Avenue, Charles Street, & Koenig Street.

**200.03 Specifications.** The specifications which govern the materials and equipment to be furnished and the work to be performed under this contract are listed herein and in Division I – General Provisions, Division IA – Special Provisions, Division III – Curb and Gutter, Sidewalks and Driveway, and Division VIII – Applicable Standard Plan Drawings. If there is information described in any of the divisions that is in conflict with information in Division IA – Special Provisions, the information in the Special Provisions shall govern the contract.

**200.04 Exempt Sales Certificate.** The Contractor performing work under this contract will be issued a Purchasing Agent Appointment and Sales Certificate signed by the authorized representative of the City. This is to be used by the Contractor when purchasing tangible personal property to be actually incorporated into the contract work. It does not apply to either (1) the purchase of materials to be used, but not incorporated into the contract work, including but not limited to form lumber, scaffolding, etc. of (2) the purchase or rental of machinery, equipment or tools owned or leased by the Contractor and used in performing the contract work. The Contractor may produce copies of the Purchasing Agent Appointment and Exempt Sales Certificate to furnish their supplies on each invoice or order

**200.05 Provisions for Traffic.** The Contractor shall conduct their work so as to interfere as little as possible with public travel, whether vehicular or pedestrian. Whenever it is necessary to cross, obstruct, or close roads, driveways, and walks, whether public or private, the Contractor shall, per bid item, provide and maintain suitable and safe bridges, detours, or other temporary expedients for the accomodation of public and private travel, and shall give reasonable advance notice to the affected residents of private drives. The Contractor shall provide and maintain barricades, warning signs, or flashing lights in accordance with the typical traffic control plan and the Manual on Uniform Traffic Control Devices (MUTCD). The engineer shall have the authority to direct corrective actions for temporary traffic control not in compliance with the plans or MUTCD, including

suspending operation and requiring removal of all equipment and materials from the right-of-way. A lump sum payment will be made for traffic provisions. The Contractor is required to work under traffic (both vehicular and pedestrian) and is expected to create as little delay and confusion as possible. Contractor shall maintain a clean and safe work area while on site, particularly since pedestrian traffic will be prevalent during construction activities.

**200.06 Design Mix Alternates.** Portland Cement Concrete used for pavement, curb, curb and gutter, driveway, sidewalk and concrete not being a pre-cast or pre-stressed product, shall be Class 47-B Modified per Division II of these specifications. As an alternate, the Contractor may use Class 47-B Modified with Fly-Ash per the specification of the State of Nebraska, Department of Roads. The Contractor shall inform the Engineer of which design mix will be used prior to commencing with the actual construction. The City reserves the right to designate the mix to be used at any time during construction if any problems should arise which can be attributed to the mix design.

## **SECTION 201 – PAYMENT FOR COMPLETION OF WORK**

**201.01 Pay Items.** After completion of the work, measurements will be taken and the Contractor will be paid according to the amount of actual work completed at the unit prices listed on the Contractors Bid.

**Extra depth concrete at driveways and at the radius on curb sidewalks will not be paid for separately, but shall be considered subsidiary to the items for which direct payment is made.**

**201.02 Earthwork.** All earthwork, including excavation, fill, embankment, sub grade preparation, and hauling and stockpiling any excess excavation will not be paid for separately, but shall be considered subsidiary to the items for which direct payment is made.

**201.03 Removal Items.** It shall be the responsibility of the Contractor to dispose of concrete, debris and other material at a location and in a manner approved by the City. No separate payment will be made for this work which is considered incidental to other items for which direct payment is made to the Contractor.

## **SECTION 202 - COMPLETION**

**202.01 Completion.** This work shall be completed not later than **August 12, 2011**.

## **SECTION 203 - DETECTABLE WARNING PLATES**

**203.01 - Detectable Warning Plates.** Detectable Warning Plates shall be **EZ-Set Polymer Concrete Tiles, RED in color** or an approved equal. EZ Set polymer concrete tiles are referenced to describe standard of quality, performance, and desired characteristics and is not intended to restrict or limit competition.

**203.02 – Pavement Saw Cut.** Pavement Saw Cut shall be full depth.

**203.03 – Ramp Surface.** The surface of the ramp shall be tined transversely to the slope of the curb ramp. The tines shall produce grooves approximately 1/8” wide and 3/16” deep an don 1/2” centers. The flares and wings shall be broomed.

**203.04 – Water Valve Adjustment.** Water Valve adjustment and pull boxes shall include any needed materials.

**203.05 – Landscape and Sprinkler Repair.** Landscape and sprinkler repair shall include grading and sod replacement and any materials to repair sprinkler system.

- LEGEND**
- FLASHING ARROW PANEL
  - TYPE II BARRIAGE
  - REFLECTORIZED PLASTIC ORUM
  - OR TYPE II BARRIAGE
  - SIGN
  - A 42" CONES OR 24" TUBULAR POST

- TAPER FORMULA**
- WORKING TAPER
  - L = SPACING BETWEEN SIGNS
  - L/4 = SHOULDER TAPER
  - L = W X S FOR SPEEDS OF 45 MPH OR HIGHER
  - L = 1/2 S FOR SPEEDS OF 40 MPH OR LOWER
  - L = MINIMUM LENGTH OF TAPER
  - S = NUMERICAL VALUE OF POSTED SPEED LIMIT
  - W = WIDTH OF OFFSET

**GENERAL NOTES**

1. ALL BARRIAGE AND SIGN LOCATIONS ON THIS PLAN ARE APPROXIMATE, AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS. THE SIGNS SHALL BE INSTALLED SO AS NOT TO OBSCURE THE VIEW OF OTHER TRAFFIC CONTROL DEVICES.
2. MINIMUM WIDTH OF TRAVELLED LANE SHALL BE AS REQUIRED BY THE ENGINEER.
3. FLASHING ARROW PANEL REQUIRED ON ALL ROADWAYS WITH POSTED SPEED LIMIT 45 MPH OR HIGHER.
4. LONG TERM FLASHING ARROW PANELS IN URBAN RESIDENTIAL AREAS WHERE DIESEL ENGINE NOISE WILL BE DISRUPTIVE TO RESIDENTS, MAY BE REQUIRED TO OPERATE BY 120 VAC OR, IF SIGHT DISTANCE ALLOWS A SOLAR POWERED ARROW PANEL MAY BE USED.
5. FOR SHORT TERM WORK (LESS THAN 24 HOURS) SIGN G2D-2B-48 (END ROAD WORK, THANK YOU, DRIVE SAFELY) MAY BE OMITTED.
6. THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT. WHERE USED ALONG THE WORK AREA, THE SPACING MAY BE INCREASED TO TWO S SPACING.

ROAD TYPE	MINIMUM DISTANCE BETWEEN SIGNS
URBAN (LOW SPEED - 25 MPH TO 40 MPH)	A
URBAN (HIGH SPEED - GREATER THAN 45 MPH)	100
	350



**CITY OF GRAND ISLAND**  
**ENGINEERING DIVISION**  
**TYPICAL TRAFFIC CONTROL PLAN**  
 EXCEPT BY S&M  
 TRAFFIC CONTROL PLAN

