



# City of Grand Island

Tuesday, July 01, 2003

Study Session

## Item -2

### **Discussion Concerning Change Orders by the Public Works Department**

*A presentation on Change Orders was prepared for the City Council Retreat in February 2003 but the presentation was not made due to time constraints.*

Staff Contact: Steve Riehle, City Engineer/Public Works Director

Slide 1

# Change Orders

Slide 2

Typical  
Measured  
Quantity  
Contract

SOUTH LOCUST IMPROVEMENTS -  
U.S. HIGHWAY 34 TO STOLLEY PARK ROAD - STREET DISTRICT 1221

CONTRACT DOCUMENTS  
AND  
SPECIFICATIONS

ENGINEERING DIVISION  
DEPARTMENT OF PUBLIC WORKS  
GRAND ISLAND, NEBRASKA



Slide 3

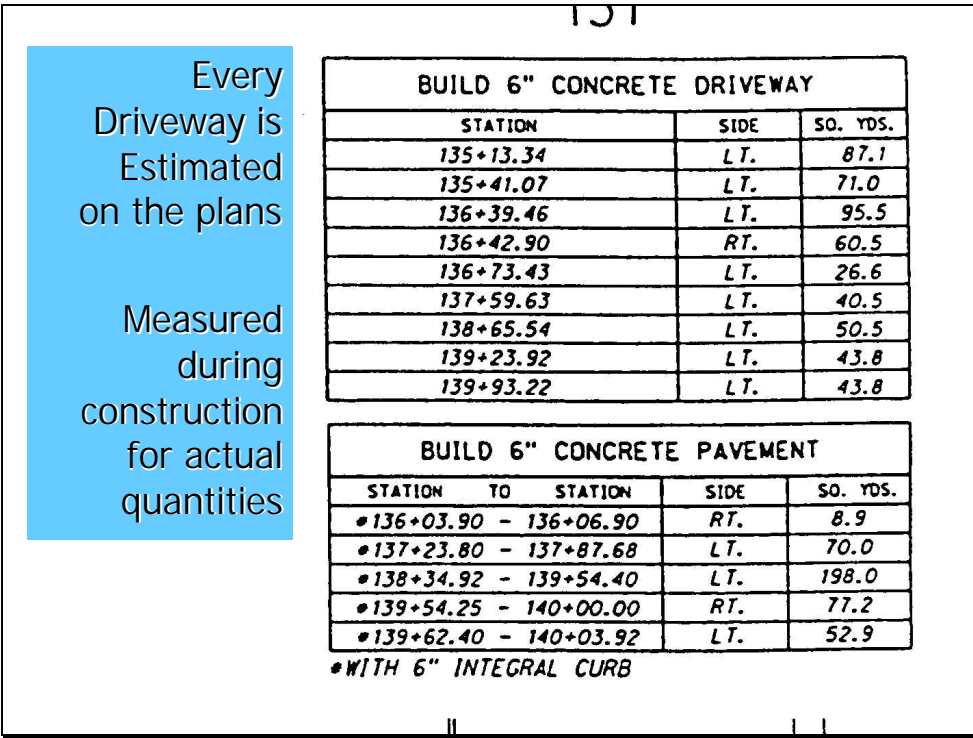
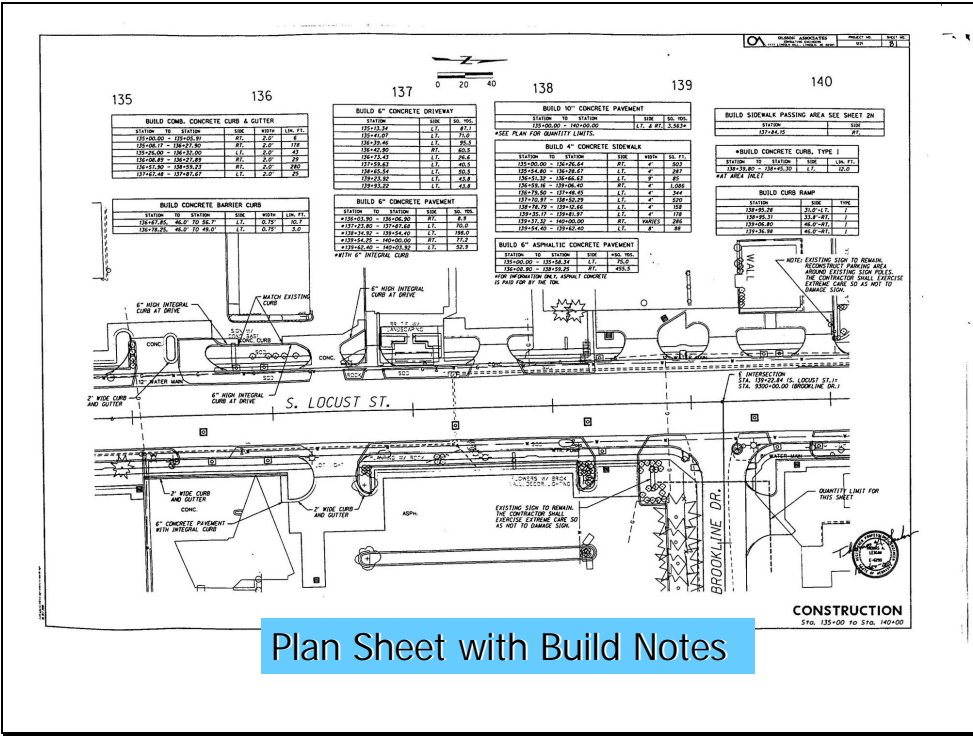
Contractor's Bid  
in Contract  
Specifications

CONTRACTOR'S BID

Slide 4

BID SECTION I - LANDSCAPE & IRRIGATION (CONTINUED)				
Item	Description	Estimated Quantity	Unit Price	Total Price
291.	Spirea Albiflora	282.8 18-24"CT	\$4.00	\$1,131.20
292.	Symphoricarpos x Clematis 'Hemlock'	23.9 18-24"CT	\$4.00	\$95.60
293.	Viburnum x Doerflingeri	23.9 24-36"CT	\$4.00	\$95.60
294.	Viburnum Trichostema 'Spring Green'	98.9 18-24"CT	\$4.00	\$395.60
295.	Fuchsia Americana 'Autumn Purple'	33.9 36"CT B&B	\$4.00	\$1,356.00
296.	Fuchsia Prostrata 'Patience'	22.9 36"CT B&B	\$4.00	\$916.00
297.	Ulmus Truncatus 'Seymour' 'Skyline'	47.9 36"CT B&B	\$4.00	\$1,916.00
298.	Malus 'Sugar Tyme'	19.9 36"CT B&B	\$4.00	\$796.00
299.	Echinacea Purpurea 'Magnus'	556.8 6" Pots	\$4.00	\$2,227.20
300.	Desmodium Illinoense	680.0 6" Pots	\$4.00	\$2,720.00
301.	Polygonum affine 'Himalayan Border Jewel'	1,527.0 6" Pots	\$4.00	\$6,108.00
302.	Rubus 'Goldflame'	455.0 6" Pots	\$4.00	\$1,820.00
303.	Nepeta Faunaeifolia	1,845.0 6" Pots	\$4.00	\$7,380.00
304.	Fescue Sod	126,268.0 SF	\$1.00	\$126,268.00
305.	Diagnosa Sod	11,380.0 SF	\$1.00	\$11,380.00
306.	Sealing	80,000.0 SF	\$1.00	\$80,000.00
307.	Drill Pavers	2,304.0 SF	\$1.00	\$2,304.00
308.	Irrigation System	1.8 LB	\$10.00	\$18.00
309.	Topsoil	380.0 CY	\$1.00	\$380.00
SUBTOTAL FOR BID SECTION I				\$278,579.00
TOTAL BID				\$278,579.00

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# Changes to Plans

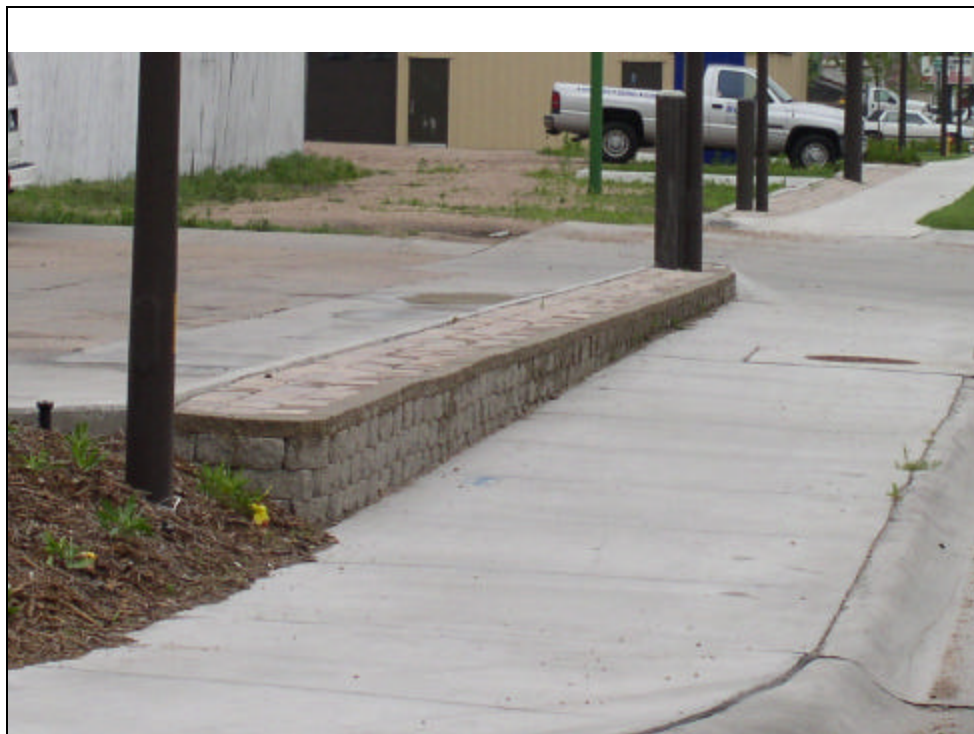
- When a change is necessary
  - Contract items can be adjusted
    - Some will be over
    - Others may be under
  - New items of work need a Change Order



Slide 9



Slide 10





# Change Order Process

- Negotiations determine the price
  - Use previous city project bids for price comparison
  - Use NDOR Average Unit Price listing
  - Negotiate Unit Prices with the Contractor
- If time allows
  - Change Order approved before the work is performed
- If Time does not allow
  - A Work Order is prepared so the project can proceed
  - Change Order then presented to Council for approval

City of Grand Island 100 East 1st Street Grand Island, Nebraska 68801		CHANGE ORDER NO. 4 (Continued)			Date of Issuance: February 4, 2003
New Bid Item No.					
344	#8 Grounding Conductor. Required for traffic signal wiring, no quantity on bid tab.	470 L.F. @ \$0.75	Add	\$352.50	
345	12" Cap, M.J., With Set Screw Ring. Required for water removals as per city specifications.	6 EA @ \$225.00	Add	\$1,350.00	
346	6" Cap, M.J., With Set Screw Ring. Required for water removals as per city specifications.	1 EA @ \$100.00	Add	\$100.00	
347	4" Restrained Plug, M.J., Required for phased construction of 4" services.	2 EA @ \$100.00	Add	\$200.00	
348	4" Retainer Gland, M.J., Required for new 4" water services.	4 EA @ \$70.00	Add	\$280.00	
349	Remove Existing Structure at 132+93, Rt. 330'.	1 L.S. @ \$325.00	Add	\$325.00	
350	Change Median/Island South of Stolley Park.	1 L.S. @ \$2,476.50	Add	\$2,476.50	
351	Restock unused CMP.	1 L.S. @ \$572.75	Add	\$572.75	
352	Restock 12" Gate Valve, M.J.	1 EA @ \$153.79	Add	\$153.79	
353	Rout and seal McDermott and Miller parking lot. Additional area required for bridge construction.	1 L.S. @ \$2,725.00	Add	\$2,725.00	
354	Modular Block Landscape Wall.	404 S.F. @ \$27.50	Add	\$11,110.00	← Modular Retaining Wall added
355	Provide Brick Pavers to the city (Material).	159 S.F. @ \$3.90	Add	\$620.10	
356	Additional Irrigation System Heads.	24 EA @ \$45.00	Add	\$1,080.00	
357	Additional Weed Mat.	645 S.F. @ \$0.40	Add	\$258.00	
358	Additional Border	108 LF @ \$2.90	Add	\$313.20	

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RESOLUTION 2003-39

WHEREAS, on November 21, 2000, by Resolution 2000-355, the City Council for the City of Grand Island awarded the bid for the construction of Street Improvement District No. 1221 to The Diamond Engineering Company of Grand Island, Nebraska; and

WHEREAS, it has been determined that modifications to the work to be performed by The Diamond Engineering Company are necessary; and

WHEREAS, such modifications have been incorporated into Change Order No. 4; and

WHEREAS, the result of such modifications for this project will increase the contract amount by \$21,916.84, for a revised contract amount of \$5,187,981.70.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the Mayor be, and hereby is, authorized and directed to execute Change Order No. 4, between the City of Grand Island and The Diamond Engineering Company to provide the following modifications:

	Amount
Add #8 Grounding conductor.....	352.50
Add 12" cap, M.J., w/ set screw ring.....	1,250.00
Add 6" cap, M.J., w/ set screw ring.....	100.00
Add 4" restrained plug, M.J.....	200.00
Add 4" retainer gland, M.J.....	280.00
Remove existing structure at 132+93, Rt. 330.....	325.00
Change median/island south of Stolley Park Road.....	2,476.50
Restock unused CMP.....	572.75
Restock 12" gate valve, M.J.....	153.79
Rout and seal McDermott and Miller parking lot.....	2,725.00
Modular block landscape wall.....	11,110.00
Provide brick pavers to the city (material).....	620.10
Additional irrigation system heads.....	1,080.00
Additional weed mat.....	258.00
Additional border.....	313.30

Adopted by the City Council of the City of Grand Island, Nebraska, February 4, 2003.

*RaNae Edwards*  
RaNae Edwards, City Clerk

Approved as to Form January 30, 2003 *[Signature]*  
City Attorney

Resolution Approving Change Order

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City of Grand Island  
100 East 1st Street  
Grand Island, Nebraska 68801

CHANGE ORDER NO. 4 (FINAL)  
Date of Issuance: February 4, 2003

PROJECT: South Locust Street-Highway 34 to Stolley Park Road,  
Street Improvement District 1221, Grand Island, Nebraska

CONTRACTOR: The Diamond Engineering Company, P.O. Box 1327, Grand Island, NE 68802

CONTRACT DATE: December 19, 2000 AMOUNT OF ORIGINAL CONTRACT: \$4,996,117.60

You are directed to make the changes in the subject contract as shown on attached sheet.

The changes result in the following adjustment of Contract Price and Contract Time:

Contract Price Prior to This Change Order .....	\$5,166,064.86
Net Increase/Decrease Resulting from this Change Order .....	\$21,916.84
Revised Contract Price Including this Change Order .....	\$5,187,981.70

Contract Time Prior to This Change Order - Final Completion .....	October 4, 2002
Net Increase Resulting from This Change Order .....	0 days
Current Contract Time Including this Change Order - Final Completion .....	October 4, 2002

Approval Recommended:

City of Grand Island By <i>[Signature]</i> Public Works Director, City of Grand Island Date February 4, 2003	Olsson Associates - Project No. 00-0895.01 By <i>[Signature]</i> Kevin L. Prior, Vice President Date 2-4-03
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The Above Change Order Accepted:

The Diamond Engineering Co. Contractor By <i>[Signature]</i> Date 2/4/03	Approved for the City of Grand Island Mayor Attest: <i>[Signature]</i> City Clerk Date 2-4-03
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Signed Change Order