

BOARD OF COUNTY COMMISSIONERS
SARPY COUNTY, NEBRASKA

RESOLUTION AUTHORIZING CHAIRMAN TO SIGN SUPPLEMENTAL AGREEMENT #1 TO
ENGINEERING AGREEMENT FOR IMPROVEMENTS TO THE INTERSECTION OF 132ND
STREET & WEST GILES ROAD IN SARPY COUNTY

WHEREAS, pursuant to Neb. Rev. Stat. 23-104(6) (Reissue 2007), the County has the power to do all acts in relation to the concerns of the County necessary to the exercise of its corporate powers; and,

WHEREAS, pursuant to Neb. Rev. Stat. 23-103 (Reissue 2007), the powers of the County as a body are exercised by the County Board; and,

WHEREAS, the County and HDR Engineering, Inc. have previously executed an Engineering Agreement via Resolution 2010-252, for a transportation project in which the County would like to obtain Federal funds; said project is for the improvements to the intersection of 132nd Street and West Giles Road in Sarpy County, NDOR Project No.: MAPA-5005(1), NDOR Control No.: 22283, NDOR Project Description: 132 St/West Giles Road, La Vista; and,

WHEREAS, the County understands that it must continue to strictly follow all Federal, State and local laws, rules, regulations, policies and guidelines applicable to the funding of this Federal-aid project; and,

WHEREAS, County and HDR Engineering wish to enter into Supplemental Agreement #1 which outlines modifications and/or additional duties and/or funding responsibilities for the project.

NOW THEREFORE, BE IT RESOLVED by the Sarpy County Board of Commissioners that pursuant to the statutory authority set forth above, the Supplemental Agreement #1 with HDR Engineering, Inc. for engineering services for the improvements to the intersection of 132nd Street and West Giles Road in Sarpy County, Nebraska, a copy of which is attached hereto, is hereby approved.

BE IT FURTHER RESOLVED that the Chair and the Clerk are hereby authorized to execute said agreement on behalf of Sarpy County, Nebraska.

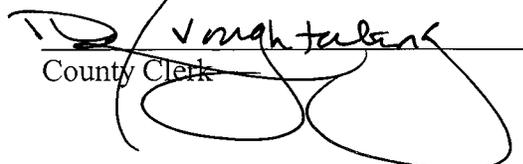
The above Resolution was approved by a vote of the Sarpy County Board of Commissioners at a public meeting duly held in accordance with the applicable law on the 18th day of September, 2012.

Attest

SEAL




Sarpy County Board Chairman - Vice


County Clerk

SUPPLEMENTAL AGREEMENT #1
PRELIMINARY ENGINEERING SERVICES

SARPY COUNTY, NEBRASKA
HDR ENGINEERING, INC.
PROJECT NO. MAPA-5005(1)
CONTROL NO. 22283
132ND ST/WEST GILES RD, LA VISTA

THIS SUPPLEMENTAL AGREEMENT, made and entered into by and between Sarpy County, Nebraska, hereinafter referred to as the Local Public Agency or "LPA," and HDR Engineering, Inc., hereinafter referred to as the "Consultant."

WHEREAS, the Consultant and the LPA entered into Engineering Agreement BK1079 executed by the Consultant on August 5, 2010 and executed by the LPA on July 27, 2010, hereinafter referred to as the "Original Agreement", providing for preliminary engineering and environmental documentation services for Project No. MAPA-5005(1), and

WHEREAS, it is necessary that additional condition analysis due to changing traffic volume models and pavement determination services, not contemplated in the Original Agreement, be added under this supplemental agreement, and

WHEREAS, it is necessary to increase the Consultant's compensation by this supplemental agreement for the additional work necessary to complete the project, and

WHEREAS, it is the desire of the LPA that the project be constructed under the designation of Project No. MAPA-5005(1), as evidenced by the Resolution of the LPA dated the 18th day of September, 2012, attached and identified as EXHIBIT "C" and made a part of this agreement, and

NOW THEREFORE, in consideration of these facts, the Consultant and LPA agree as follows:

SECTION 1. A Written Notice-to-Proceed was issued to the Consultant on September 28, 2011 to perform the additional work through Consultant Work Order 1. Any additional work or services performed by Consultant on the project prior to the date specified in the written Notice-to-Proceed is not eligible for reimbursement.

The Consultant will perform the additional work stipulated in Consultant Work Order 1, which is attached as Exhibit "A" and hereby made a part of this supplemental agreement.

SECTION 2. A Written Notice-to-Proceed was issued to the Consultant on June 7, 2012 to perform the additional work through Consultant Work Order 2. Any additional work or services performed by Consultant on the project prior to the date specified in the written Notice-to-Proceed is not eligible for reimbursement.

The Consultant will perform the additional work stipulated in Consultant Work Order 2, which is attached as Exhibit "B" and hereby made a part of this supplemental agreement.

BK1079 Supp 1

SECTION 3. For the work required, Section 7 of the Original Agreement is hereby amended and the fixed-fee-for-profit is increased from \$26,239 to \$28,298, an increase of \$2,059. Actual costs are increased from \$239,333 to \$256,628, an increase of \$17,295. The total agreement amount is increased from \$265,372 to \$284,926, an increase of \$19,354 which the Consultant must not exceed without the prior written approval of the LPA.

SECTION 4. The Consultant will be paid the additional fee on the same terms stipulated in the Original Agreement BK1079 and, except as specifically amended by this supplemental agreement, all terms and conditions of the Original Agreement on Project No. MAPA-5005(1), executed by the Consultant on August 5, 2010 and executed by the LPA on July 27, 2010 shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused these presents to be executed by their proper officials thereunto duly authorized as of the dates below indicated.

After being duly sworn on oath, I do hereby acknowledge the foregoing certification and state that I am authorized to sign this agreement for the firm.

EXECUTED by the Consultant this 26 day of September, 2012.

HDR ENGINEERING, INC.
Matthew Tondl, P.E.

Matthew Tondl
Senior Vice President

STATE OF NEBRASKA)
)ss.
DOUGLAS COUNTY)

Subscribed and sworn to before me this 26 day of September, 2012.



Theresa McKinley
Notary Public

EXECUTED by the LPA this 18th day of September, 2012.

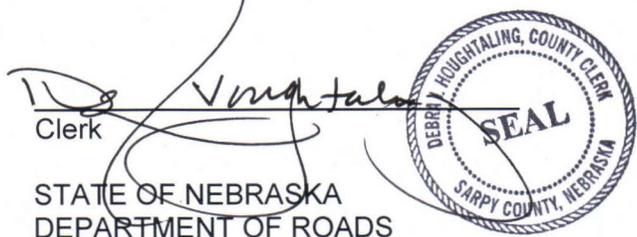
SARPY COUNTY
Rusty Hike Jim Nekuda

Approved as to form:

Matthew Tondl
County Attorney

Jim Nekuda
Vice Chair, County Board of Commissioners

Subscribed and sworn to before me this 18th day of September, 2012.



Clerk

STATE OF NEBRASKA
DEPARTMENT OF ROADS
Form of Agreement Approved for
Federal Funding Eligibility:

Matthew Tondl

10/24/2012
Date

WORK ORDER #1

132ND STREET AND GILES ROAD INTERSECTION IMPROVEMENT MAPA – 5005(1), C.N. 22283 SARPY COUNTY PROJECT NO. C-77(05-8)

Description of Work Order

The purpose of the work order is to analyze revised 2035 traffic volumes from MAPA for the interim project and integrate that into the planning / project development process. Additionally, the evolving environmental process necessitates updates of several previously prepared documents.

The original MAPA volumes provided in February 2011 considered a full build out of West Giles Road to four lanes west of 132nd Street west to 180th Street and four lanes on 132nd Street south of Giles to Highway 370. These volumes with the existing traffic counts completed in January 2011 were used to develop interim volumes with a straight line growth rate between the existing counts and future 2035 volumes. Per the original scope of work an analysis was completed for the ultimate with 2035 volumes provided and the interim project with the derived interim volumes.

Due to additional lanes on West Giles Road and 132nd Street in the 2035 design year the interim volumes were artificially high. This resulted in the interim project having unacceptable level of services within a couple years of construction. Because the interim maintains a two lane roadway on West Giles Road and 132nd Street, the four lane 2035 scenario does not provide a realistic condition.

With that, the decision was made by Sarpy County to revisit the MAPA model and remove the future four lanes on West Giles and 132nd Street and rerun the MAPA model with two lanes on both roadways matching. This work order is to perform the additional traffic analysis on the revised model not included in the original scope of work, and to revise and update several environmental forms / steps.

1.0 PROJECT MANAGEMENT AND COORDINATION

1.1 Project Management

This task includes activities to initiate and monitor schedule, staffing assignments and internal cost controls.

1.2 Coordination / Project Meetings

It is anticipated 2 meetings will be held to review the results of the traffic analysis. The first meeting will be held with Sarpy County and City of LaVista at Sarpy County with two HDR staff attending to review the traffic analysis. A second meeting is anticipated to update NDOR in Lincoln on the traffic analysis and environmental documentation to be completed with two HDR staff attending. Task assumes preparing meeting minutes from both meetings.

WORK ORDER #1

132ND STREET AND GILES ROAD INTERSECTION IMPROVEMENT MAPA – 5005(1), C.N. 22283 SARPY COUNTY PROJECT NO. C-77(05-8)

2.0 TRAFFIC ANALYSIS

2.1 Coordination with MAPA

Coordinate with MAPA to obtain year 2035 average daily traffic forecasts without the Giles Road widening projects west of 132nd Street and 132nd Street widening project from Giles Road to Highway 370.

These forecasts will be used to develop interim year traffic projections to analyze to the level of service of the proposed improvements at 132nd Street and Giles Road.

2.2 Develop Future Year Turning Movements

Using the year 2035 average daily traffic forecasts from Task 2.1, the existing year average daily traffic counts and the existing turning movement counts, AM and PM peak hour turning movements will be developed for year 2015, 2020, 2025, 2030 and 2035 using a uniform growth rate. (10 scenarios)

2.3 Analyze Future Year Turning Movements

The proposed 132nd Street and Giles Road concept will be analyzed with the future year turning movements developed in Task 2.2. The analysis will be conducted with Synchro 7. Turn lane storage lengths will be calculated with the NDOR Poisson distribution method for validation of the turn lane storage lengths provided through Synchro.

2.4 Documentation

Findings and recommendations will be documented in a brief technical memorandum.

3.0 ENVIRONMENTAL

3.1 Project Restart

Prior to the project shut down the CE was to be scheduled for draft review with NDOR and FHWA. Due to the project shut down a project restart is required to review previous documentation completed for preparation of NEPA documentation review. Task assumes time to conduct project team meetings.

3.2 NEPA Documentation

During the shutdown updated versions of the BE and 106 forms have been developed. Detour information is required to be included on these forms. Task assumes time to update, resubmit, and respond to comments received on these forms.

4.0 SCHEDULE

Traffic analysis and documentation will be completed within 4 weeks of notice to proceed. Meetings to review results will be held 5-6 weeks from notice to proceed.

Work Order #1
 132nd Street and Giles Road Intersection Improvement
 MAPA-5005(1) CN 22283
 Sarpy County Project No. C-77(05-8)

STAFF HOUR TABULATION

Item	Task	Prin.	PM / Sr. Eng. / Sr. Sci	Eng. / Sci. / Designer	CAD / GIS	Clerical	Total
1.0	Project Management & Coordination						
1.1	Project Management	1	5			2	8
1.2	Coordination / Project Meetings		16	12			28
2.0	Traffic Analysis						
2.1	Coordination with MAPA		2	2			4
2.2	Develop Future Year Turning Movements		4	16			20
2.3	Analyze Future Year Turning Movements		4	16	4		24
2.4	Documentation		6	12	2		20
3.0	Environmental						
3.1	Project Restart		8	8			16
3.2	NEPA Documentation		8	8	8		16
	TOTAL HOURS	1	45	74	14	2	136

FEE SUMMARY

ESTIMATED DIRECT LABOR

CLASSIFICATION	TOTAL HOURS	HOURLY RATE	DIRECT LABOR COST
Principal	1	\$94.75	\$ 95
Project Manager/Senior Engineer/Senior Scientist	45	\$51.87	\$ 2,334
Engineer / Scientist / Designer	74	\$36.08	\$ 2,670
CAD / GIS	14	\$26.79	\$ 375
Clerical	2	\$26.26	\$ 53
TOTAL DIRECT LABOR COST	136		\$ 5,526

OVERHEAD COST (163.04% OF DIRECT LABOR)

\$ 9,009

FIXED FEE (12%)

\$ 1,744

ESTIMATED DIRECT EXPENSES

	QUANT	UNIT	UNIT COST	TOTAL COST
Facilities Cost of Capital (0.71424% of Labor)				\$ 39
Travel (Mileage)	150	Miles	\$ 0.555	\$ 83
Shipping		Mailings	\$ 20.00	\$
Photocopies	50	Sheets	\$ 0.10	\$ 5
TOTAL ESTIMATED DIRECT EXPENSE				\$ 128

TOTAL ESTIMATED FEE

\$ 16,407

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Sarpy County Board Chairman - Vice

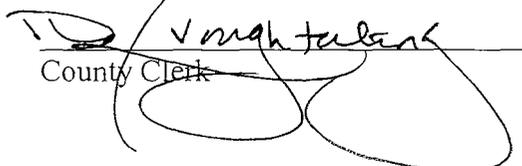

County Clerk

Exhibit "C"

Deb Houghtaling Sarpy County Clerk

Renee Lansman
Chief Deputy

1210 Golden Gate Drive • Papillion, Nebraska 68046-2895
Phone: 402-593-2105 • Fax: 402-593-4471 • Website www.Sarpy.com • Email: Clerk@sarpy.com

September 20, 2012

Chris Malmberg, PE
HDR Engineering Inc.
8404 Indian Hills Drive
Omaha NE 68114

RE: Sarpy County Supplemental Agreement #1

Action by the Sarpy County Board of Commissioners, at the meeting of September 18, 2012, is as follows:

Resolution 2012-293: Authorize Chairman to sign supplemental agreement #1 to engineering agreement with HDR Engineering Inc. for improvements to the intersection of 132nd Street and West Giles Road. Denny Wilson, Engineer

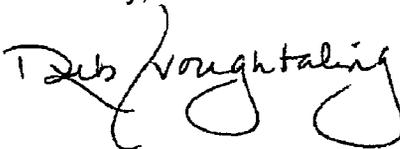
MOTION: Thompson resolved, seconded by Richards, to approve the resolution for the supplemental agreement for project MAPA-5005(1) Control No. 22283. Ayes: Thompson, Richards, Nekuda & Warren. Nays: None. Absent: Hike.

Please find enclosed three (3) originals of the agreement which has been approved and signed by the Chairman of the Board. The agreements are now ready for your approval signature and notary. Please forward all originals and this letter to:

Jason Freidrichs
Local Project Division NDOR
PO BOX 94759
Lincoln NE 68509-4759

Upon execution by the State we request that a finalized agreement is provided for Sarpy County records.

Mail or return to: Sarpy County Clerk
Attn: Chris Vance
1210 Golden Gate Drive
Papillion, NE 68046-2895

Sincerely,


Deb Houghtaling
Sarpy County Clerk

Enclosures (3)
DH/cv