

**JOINT POWERS AGREEMENT  
FOR THE RECONSTRUCTION OF  
COUNTY STATE AID HIGHWAY 9 (ROUND LAKE BOULEVARD) AT  
COUNTY STATE AID HIGHWAY 20 (157<sup>TH</sup> AVE.)  
IN THE CITY OF ANDOVER, MINNESOTA  
(S.A.P. 02-609-13)**

This Agreement made and entered into this \_\_\_\_\_, 2005, by and between the County of Anoka, State of Minnesota, a political subdivision of the State of Minnesota, 2100 Third Avenue North, Anoka, Minnesota, 55303, hereinafter referred to as "County", and the City of Andover, 1685 Crosstown Boulevard Northwest, Andover, Minnesota 55304, hereinafter referred to as the "City".

**WITNESSETH**

WHEREAS, the parties of this agreement have long exhibited concern for the safety at County State Aid Highway 9 (Round Lake Boulevard) and County State Aid Highway 20 (157<sup>th</sup> Ave.), and,

WHEREAS, the County has received federal funds through the State Hazard Elimination Safety Program to improve the intersection of County State Aid Highway 9 (Round Lake Boulevard) and County State Aid Highway 20 (157<sup>th</sup> Ave.), and,

WHEREAS, the intersection of County State Aid Highway 9 (Round Lake Boulevard) and County State Aid Highway 20 (157<sup>th</sup> Ave.) has met warrants for a full traffic actuated traffic control signal; and,

WHEREAS, the parties agree that the County shall cause the construction and channelization of County State Aid Highway 9 (Round Lake Boulevard) and County State Aid Highway 20 (157<sup>th</sup> Ave.), and,

WHEREAS, the Anoka County Highway Department has prepared plans and specifications for Project No. S.A.P. 02-609-13 which plans and specifications are dated 2/11/2005, and which are on file in the office of the County Engineer; and,

WHEREAS, the parties agree that it is in their best interest that the cost of said project be shared; and,

WHEREAS, Minnesota Statute 471.59 authorizes political subdivisions of the State to enter into joint powers agreements for the joint exercise of powers common to each.

**NOW, THEREFORE, IT IS MUTUALLY STIPULATED AND AGREED:**

## I. PURPOSE

The parties have joined together for the purpose of constructing the roadway, drainage and traffic control system as well as other utilities on a portion of County State Aid Highway 9 (Round Lake Boulevard) as described in the plans and specifications numbered S.A.P. 02-609-13 on file in the office of the Anoka County Highway Department and incorporated herein by reference.

## II. METHOD

The County shall provide all engineering services and shall cause the construction of Anoka County Project No. S.A.P. 02-609-13 in conformance with said plans and specifications. The County shall do the calling for all bids and the acceptance of all bid proposals.

## III. COSTS

The contract costs of the work, or if the work is not contracted, the cost of all labor, materials, normal engineering costs and equipment rental required to complete the work, shall constitute the actual "construction costs" and shall be so referred to herein.

"Estimated costs" are good faith projections of the costs, which will be incurred for this project. Actual costs may vary and those will be the costs for which the relevant parties will be responsible.

The estimated construction cost of the total project (including County furnished materials) is \$594,013.29. Federal funds available for the Project are capped at \$404,496.00. The federal funds shall be split based on the ratio of eligible cost incurred by each party to the total eligible project cost. Eligible costs are the costs of items that can participate in federal funding as shown on Exhibit A. Participation in the construction cost is as follows:

1. The City shall provide construction observation for the relocation and reconstruction of their utilities and approve for acceptance the work as it is completed.

1a. The City shall be responsible for any deficiencies associated with the relocation and reconstruction of the utilities that arise after the specified warranty period.

1b. Any deficiencies or failure of new utilities caused by the contractor as a result of inferior workmanship or defective materials failing to meet the required specification as stipulated by the contract shall be corrected by the contractor.

1c. Damage to existing utilities, which may arise from or in connection with performance of the work by the contractor, their agents, representatives, employees or subcontractors shall be addressed by Special Provisions (1714) Responsibility For Damage Claims.

2. The City shall pay one hundred percent (100%) of the hydrant and curb box relocation and gate box adjustment as well as water and sewer relocation and construction. The estimated City cost of these items is \$0.00.

3. The City shall furnish and deliver to the construction site replacement hydrants for any hydrants, which are being relocated as a part of this project, which they want replaced.

4. The City shall pay one hundred percent (100%) for the non-participating and non-eligible portion of the storm sewer construction plus a percentage of the eligible portion of storm sewer construction. The non-eligible and eligible portions are defined in the State Hydraulics letter.

4a The estimated cost of the non-participating storm sewer is \$0.00 of which the estimated cost to the City is \$ 0.00 (100%).

4b. The cost of the eligible portion will be split between the City, in cities greater than 5,000 population, and County based on the ratio of contributing flow determined by the product of contributing area and runoff coefficient. The estimated percentage of contributing flow from the City is zero percent (0%). The total eligible estimated cost of the storm sewer is \$9,019.00 of which the estimated cost to the City is \$ 0.00.

4c. The total non-eligible estimated cost of the storm sewer is \$0.00 of which the estimated cost to the City is \$ 0.00 (100%).

4d. The City shall pay for zero percent (0%) of the cost of detention basins (including ponds and their outlet structures and grit chambers and/or collectors including the "Vortechs Stormwater Treatment System"). The City portion of the cost is based on contributing flow to the detention basin determined by the product of contributing area and runoff coefficient. The total estimated cost of the detention basins is \$0.00 of which the estimated cost to the City is \$ 0.00

5. The City shall pay zero percent (0%) of the cost of rural concrete curb and gutter (less median curb and gutter). The estimated total cost of curb and gutter including medians is \$23,750.00, of which the City's estimated share is \$ 0.00.

6. The City shall pay one hundred percent (100%) the cost of decorative median above the cost of concrete median. The City's estimated cost for decorative median is \$ 0.00

7. The City shall pay one hundred percent (100%) of the cost of median plantings. This cost shall include design by a landscape architect, installation of plantings, design/installation of an underground watering system and median widening costs needed to meet the Anoka County Highway Department Landscape/Streetscape Guidelines. The City's estimated cost for median plantings is \$ 0.00

8. The City shall pay one hundred percent (100%) of the cost of new concrete and/or bituminous driveway pavement for all upgraded driveways. The City's estimated cost for driveway pavement is \$ 0.00.

9. Any in place driveway pavement disrupted by the construction will be replaced in-kind by the County at no cost to the City.

10. The City shall pay for one hundred percent (100%) of the cost of new sidewalk installed on the project. The estimated cost to the City is \$1,520.00.

11. In place concrete walk will be replaced by the County at no cost to the City.

12. The City shall pay one hundred percent (100%) of the cost of new bituminous trails. The City's estimated cost for the trail is \$ 0.00.

13. The City shall pay one hundred percent (100%) of the cost of any street lighting included in the project. The design and installation of ornamental streetlights shall be in accordance with the County's specifications. The City's estimated cost for street lighting is \$ 0.00.

14a. The City shall pay to the County fifty percent (50%) of the cost of construction and installation of the whole traffic actuated signal system (including County supplied materials) at 157<sup>th</sup> Avenue NW. The City's estimated share of the construction is \$96,000.00.

14b. The County shall pay one hundred percent (100%) of all interconnect costs.

14c. The City shall pay one hundred percent (100%) of Emergency Vehicle Pre-emption (EVP) costs. The City's estimated share of the construction is \$4,000.00.

15. The City shall pay their share of mobilization, computer equipment, field office and mobile telephone as determined by Mn/DOT. The estimated City cost of these items is \$6,125.00.

16. The City shall pay their share of detour signing and traffic control as determined by Mn/DOT. The estimated City cost of these items is \$1,750.00

17. The total estimated cost to the City for the project is summarized below:

1	Right of Way	\$0.00
2	Construction or Adjustment of Local Utilities	\$0.00
3	Grading, Base & Bituminous	\$0.00
4	Storm Sewer	\$0.00
5	Detention Basins	\$0.00
6	Concrete Curb & Gutter	\$0.00

7	Decorative Medians	\$0.00
8	Median Plantings	\$0.00
9	Driveway Upgrades	\$0.00
10	Concrete Sidewalk	\$0.00
11	Trails	\$0.00
12	Street Lights	\$0.00
13	Traffic Signals	\$96,000.00
14	EVP	\$4,000.00
15	Mobilization, Field Office	\$6,125.00
16	Traffic Control	\$1,750.00
Total Estimated Share of Construction Cost To The City		\$107,875.00
Estimated Federal Funds available to the City		\$73,457.96
Total Cost less Federal Funds		\$34,417.04

The total estimated construction cost to the City (less Federal Funds) for the project is \$34,417.04 as shown on the attached Exhibits A and B. The City participation in construction engineering will be at a rate of eight percent (8%) of their designated share. The estimated cost to the City for construction engineering is \$8,630.00. The grand total estimated cost to the City for the project is \$43,047.04.

Upon award of the contract, the City shall pay to the County, upon written demand by the County, ninety five percent (95%) of its portion of the cost of the project estimated at \$40,894.69. The City's share of the cost of the project shall include only construction and construction engineering expense and does not include administrative expenses incurred by the County.

Upon final completion of the project, the City's share of the construction cost will be based upon actual construction costs. If necessary, adjustments to the initial ninety five percent (95%) charged will be made in the form of credit or additional charges to the City's share. Also, the remaining five percent (5%) of the City's portion of the construction costs shall be paid.

#### IV. TERM

This Agreement shall continue until terminated as provided hereinafter.

#### V. DISBURSEMENT OF FUNDS

All funds disbursed by the County or City pursuant to this Agreement shall be disbursed by each entity pursuant to the method provided by law.

#### VI. CONTRACTS AND PURCHASES

All contracts let and purchases made pursuant to this Agreement shall be made by the County in conformance to the State laws.

## VII. STRICT ACCOUNTABILITY

A strict accounting shall be made of all funds and report of all receipts and disbursements shall be made upon request by either party.

## VIII. TERMINATION

This Agreement may be terminated by either party at any time, with or without cause, upon not less than thirty (30) days written notice delivered by mail or in person to the other party. If notice is delivered by mail, it shall be deemed to be received two (2) days after mailing. Such termination shall not be effective with respect to any solicitation of bids or any purchases of services or goods, which occurred prior to such notice of termination. The City shall pay its pro rata share of costs, which the County incurred prior to such notice of termination.

## IX. RIGHT OF WAY

As part of this project, the County will acquire all necessary right-of-way including any easements required to construct the bituminous trail requested by the City as well as any additional right-of-way needed for the improvements to the City street intersections.

Upon request by the County, the City owned property required for the project shall be conveyed by warranty deed by the City to the County at no cost to the County. The City shall perform all special assessment searches required for this project at no cost to the County. After construction has been completed the County shall convey the property acquired to widen/improve the City streets by warranty deed to the City.

## X. SIGNALIZATION POWER

The City shall at their sole expense, install or cause the installation of an adequate electrical power source to the service cabinet for the intersection of 157<sup>th</sup> Avenue NW, including any necessary extension of power lines. The City shall be the lead agency in this matter. Upon completion of said traffic controls signal installation, the ongoing cost of the electrical power to the signal shall be the sole cost and expense of the City.

## XI. MAINTENANCE

1. Maintenance of the completed watermain, sanitary sewer, storm sewer (except catch basins and catch basin leads), detention basins (including ponds and their outlet structures and any grit chambers and/or collectors including the "Vortechs Stormwater Treatment System") shall be the sole obligation of the City.
2. Maintenance of all trails and sidewalks, including snow plowing, shall be the sole responsibility of the City.
3. Maintenance of streetlights and cost of electrical power to the streetlights shall be the sole obligation of the City.

4. The City shall be responsible to maintain all medians, which the City has designated for plantings. Maintenance shall be performed in accordance with the "Anoka County Highway Department landscape/Streetscape Guidelines dated June 2000." If the City does not comply with the guidelines, the County at any time may remove all plantings, landscaping items and replace with hard surfacing in its place. The City shall be billed by the County for all costs incurred.
5. Maintenance of the completed signals and signal equipment shall be the sole obligation of the County.
6. The County shall maintain the traffic signal controller, traffic signal and pedestrian indications, loop detectors and associated wiring of the said traffic control signals at the sole obligation of the County.
7. Painting of the traffic signals shall be the sole obligation of the County.
8. Timing of the traffic signals shall be determined by the County.
9. Only the County shall have access to the controller cabinets.
10. The traffic control signals shall be the property of the County.
11. The City shall be responsible for maintenance of the luminaries, luminaire relamping, and luminaire painting.
12. All maintenance of the EVP Systems shall be completed by the County. The City shall be billed by the County on a quarterly basis for all incurred costs.
13. EVP Emitter Units may be installed on and used only by Emergency Vehicles responding to an emergency as defined in Minnesota Statutes §169.01, Subdivision 5, and §169.03. The City shall provide a list to the County Traffic Engineer, or the County's duly appointed representative, of all such vehicles with emitter units on an annual basis.
14. Malfunctions of the EVP Systems shall be immediately reported to the County.
15. All timing of said EVP Systems shall be determined by the County.
16. In the event said EVP Systems or components are, in the opinion of the County, being misused, or the conditions set forth are violated, and such misuse or violation continues after receipt by the City, written notice thereof from the County, the County shall remove the EVP Systems. Upon removal of the EVP Systems pursuant to this paragraph, the field wiring, cabinet wiring, detector receiver, infrared detector heads and indicator lamps and all other components shall become the property of the County.

## XII. NOTICE

For purposes of delivery of any notices hereunder, the notice shall be effective if delivered to the County Administrator of Anoka County 2100 Third Avenue North, Anoka, Minnesota 55303, on behalf of the County, and the City Administrator of Andover, 1685 Crosstown Boulevard Northwest, Andover, Minnesota 55307, on behalf of the City.

## XIII. INDEMNIFICATION

The City and the County mutually agree to indemnify and hold harmless each other from any claims, losses, costs, expenses or damages resulting from the acts or omissions of the respective officers, agents, or employees relating to activities conducted by either party under this Agreement.

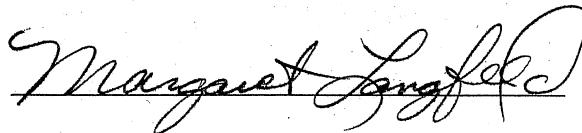
## XIV. ENTIRE AGREEMENT REQUIREMENT OF A WRITING

It is understood and agreed that the entire agreement of the parties is contained herein and that this Agreement supersedes all oral agreements and all negotiations between the parties relating to the subject matter thereof, as well as any previous agreement presently in effect between the parties to the subject matter thereof. Any alterations, variations, or modifications of the provisions of this Agreement shall be valid only when they have been reduced to writing and duly signed by the parties.

IN WITNESS WHEREOF, the parties of this Agreement have hereunto set their hands on the dates written below:

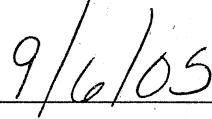
**COUNTY OF ANOKA**

By:



Margaret Langfeld Chair  
Anoka County Board  
of Commissioners

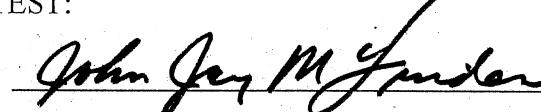
Dated:



9/6/05

ATTEST:

By:



John "Jay" McLinden  
Anoka County Administrator

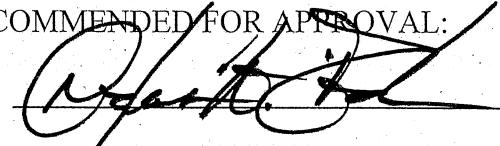
Dated:



9/6/05

**RECOMMENDED FOR APPROVAL:**

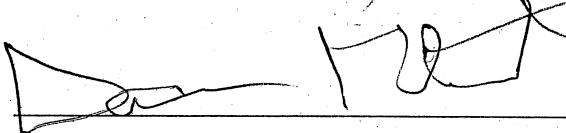
By:



Douglas Fischer, P.E.  
Anoka County Engineer

**APPROVED AS TO FORM AND EXECUTION:**

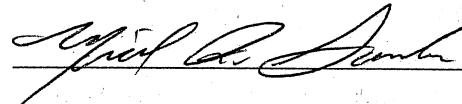
By:



Dan Clint  
Assistant Anoka County Attorney

**CITY OF ANDOVER**

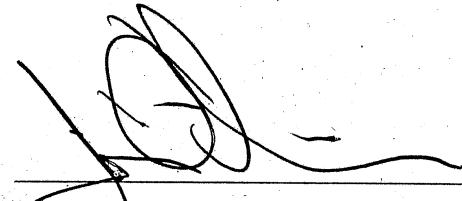
By:



Name \_\_\_\_\_

Title \_\_\_\_\_

Dated:



Name \_\_\_\_\_

Title \_\_\_\_\_

Jim Dickinson

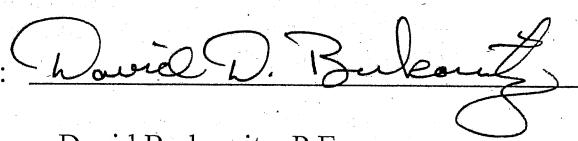
City Administrator

Dated:



8-15-05

By:



David Berkowitz, P.E.  
City of Andover Engineer

By:

Name \_\_\_\_\_

EXHIBIT B

**COST-SHARING AGREEMENT**  
**FOR PROJECTS CONSTRUCTED IN ANOKA COUNTY**  
**USING COUNTY STATE AID FUNDS OR LOCAL TAX LEVY DOLLARS**

<u>ITEMS</u>	<u>COUNTY SHARE</u>	<u>CITY SHARE</u>
Bikeways	0	100%
Concrete Curb & Gutter	50%	50%
Concrete Sidewalk	0	100%
Concrete Sidewalk Replacement	100%	0
Concrete Curb & Gutter for Median Construction	100%	0
Concrete Median	100%	0*®
Construction or Adjustment of Local Utilities	0	100%
Grading, Base and Bituminous	100%	0
Storm Sewer	based on state aid letter*©	based on state aid letter*©
Driveway Upgrades	0*	100%
Traffic Signals (communities larger than 5,000)	½ the cost of its legs of the intersection	the cost of its legs of the intersection plus ½ the cost of the County legs of the intersection
Traffic Signals (communities less than 5,000)	100%	0*™
Engineering Services	*Σ	*Σ
Right-of-Way	100%	0*
Street Lights	0	100%

\*® The County pays for 100% OF A Standard Median Design such as plain concrete. If a local unit of government requests decorative median such as red brick, stamped concrete, or exposed aggregate concrete, the local unit will pay the additional cost above the cost of standard median.

\*© In the event no State Aid is being used, or in the event the state aid letter does not determine cost split percentages, drainage cost shares will be computed by the proportion of contributing flow outside the County right of way to the total contributing flow.

\*™ In cities less than 5,000 people the County pays for 100% of the cost of the traffic signal effective March 1986. The County collects on behalf of the cities (less than 5,000) "Municipal State Aid Dollars" since they do not themselves qualify for state aid funds. These funds are used to pay the City Share.

\*Σ Engineering shall be paid by the Lead Agency except that any participating agency will pay construction engineering in the amount of 8% of the construction costs paid by that agency.

\*/ In the event that the Township or City requests purchase of right-of-way in excess of those right-of-ways required by County construction, the Township or City participates to the extent an agreement can be reached in these properties. For instance, a Township or City may request a sidewalk be constructed alongside a County roadway which would require additional right-of-way, in which case the Township or City may pay for that portion of the right-of-way. Acquisition of right-of-way for new alignments shall be the responsibility of the Township or City in which the alignment is located. This provision may be waived by agreement with the County Board if the roadway replaces an existing alignment and the local unit of government takes jurisdiction of that existing alignment. In addition, any costs, including right-of-way costs, incurred by the County because a Township or City did not acquire sufficient right-of-way during the platting process or redevelopment process shall be paid by the Township or City.

\*| The County will replace all driveways in-kind. Upgrades in surfacing (i.e., gravel to bituminous, bituminous to concrete shall be at 100% expense to the Township or City).

**ANOKA COUNTY HIGHWAY DEPARTMENT**  
**SP 02-609-13**  
**JPA CALCULATIONS**

03/01/2005

Item Number	Item	Unit	Unit Cost	Total Quantity	Total Cost	ANOKA COUNTY		CITY OF ANDOVER		Storm Severity
						SP 02-609-13	Cost	Quantity	Cost	
2021.501	MOBILIZATION	LS	\$30,000.00	16	1.00	\$30,000.00	\$0.810	\$24,300.00	0.175	\$5,250.00 0.015
2031.302	FIELD OFFICE TYPE D (MODIFIED)	LS	\$5,000.00	16	1.00	\$5,000.00	\$0.810	\$4,050.00	0.175	\$875.00 0.015
2101.501	CLEARING	ACRE	\$4,000.00	3	0.47	\$1,880.00	0.47	\$1,880.00		\$0.00
2101.502	CLEARING	TREE	\$165.00	3	4.00	\$660.00	4.00	\$660.00		\$0.00
2101.506	GRUBBING	ACRE	\$4,000.00	3	0.47	\$1,880.00	0.47	\$1,880.00		\$0.00
2101.506	GRUBBING	TREE	\$55.00	3	4.00	\$220.00	4.00	\$220.00		\$0.00
2104.501	REMOVE CURB AND GUTTER	LIN FT	\$2.00	3	108.80	\$217.60	108.80	\$217.60		\$0.00
2104.501	REMOVE PIPE CULVERTS	LIN FT	\$9.00	3	125.00	\$1,125.00	125.00	\$1,125.00		\$0.00
2104.501	REMOVE PIPE SEWERS	LIN FT	\$9.00	3	50.00	\$450.00	50.00	\$450.00		\$0.00
2104.501	REMOVE GUARD RAIL-PLATE BEAM	LIN FT	\$2.00	3	600.00	\$1,200.00	600.00	\$1,200.00		\$0.00
2104.505	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$5.00	3	166.00	\$830.00	166.00	\$830.00		\$0.00
2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$1.50	3	1,637.00	\$2,455.50	1,637.00	\$2,455.50		\$0.00
2104.505	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	\$3.00	3	170.00	\$510.00	170.00	\$510.00		\$0.00
2104.509	REMOVE CASTING	EACH	\$75.00	3	1.00	\$75.00	1.00	\$75.00		\$0.00
2104.509	REMOVE CATCH BASIN	EACH	\$150.00	3	1.00	\$150.00	1.00	\$150.00		\$0.00
2104.509	REMOVE ANCHORAGE ASSEMBLY-PLATE BEAM	LIN FT	\$1.80	3	2.00	\$3.60	2.00	\$3.60		\$0.00
2104.509	REMOVE PIPE APRON	EACH	\$75.00	3	1.00	\$75.00	1.00	\$75.00		\$0.00
2105.509	REMOVES MARKER	EACH	\$30.00	3	6.00	\$180.00	6.00	\$180.00		\$0.00
2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$2.00	3	4,278.00	\$8,556.00	4,278.00	\$8,556.00		\$0.00
2104.523	SAWAGE MAILBOX SUPPORT	EACH	\$50.00	3	6.00	\$300.00	6.00	\$300.00		\$0.00
2104.523	SAWAGE SIGN TYPE C	EACH	\$65.00	3	6.00	\$390.00	6.00	\$390.00		\$0.00
2104.523	SAWAGE SIGN TYPE SPECIAL	EACH	\$50.00	3	20.00	\$600.00	20.00	\$600.00		\$0.00
2105.501	COMMON EXCAVATION	CU YD	\$35.00	3	1.00	\$35.00	1.00	\$35.00		\$0.00
2105.501	MUCK EXCAVATION	CU YD	\$6.00	3	7,077.00	\$42,462.00	7,077.00	\$42,462.00		\$0.00
2105.505	AGGREGATE SUBGRADE EXCAVATION	CU YD	\$9.00	3	2,399.00	\$21,591.00	2,399.00	\$21,591.00		\$0.00
2105.507	SUBGRADE EXCAVATION	CU YD	\$3.30	3	2,028.00	\$6,692.40	2,028.00	\$6,692.40		\$0.00
2105.521	GRANULAR BORROW(CV)	CU YD	\$5.00	3	2,384.00	\$11,920.00	2,384.00	\$11,920.00		\$0.00
2105.522	SELECT GRANULAR BORROW(CV)	CU YD	\$7.00	3	2,266.00	\$15,862.00	2,266.00	\$15,862.00		\$0.00
2118.502	AGGREGATE SURFACING CLASS 1	CU YD	\$8.00	3	170.00	\$1,360.00	170.00	\$1,360.00		\$0.00
2211.503	AGGREGATE BASE CLASS 5	CU YD	\$14.00	3	1,845.00	\$25,830.00	1,845.00	\$25,830.00		\$0.00
2232.501	MILL BITUMINOUS SURFACE	SQ YD	\$2.50	3	100.00	\$250.00	100.00	\$250.00		\$0.00
2350.501	TYPE MV-4 WEARING COURSE MIXTURE (C)	TON	\$45.00	3	2,265.00	\$101,925.00	2,265.00	\$101,925.00		\$0.00
2350.502	TYPE LV-3 NON WEARING COURSE MIXTURE (C)	TON	\$40.00	3	700.00	\$28,000.00	700.00	\$28,000.00		\$0.00
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GALLON	\$1.25	3	838.00	\$1,047.50	838.00	\$1,047.50		\$0.00
2501.511	15" CS PIPE CULVERT	LIN FT	\$18.85	3	29.00	\$546.65	29.00	\$546.65		\$0.00
2501.515	15" CS PIPE APRON	EACH	\$286.50	3	2.00	\$573.00	2.00	\$573.00		\$0.00
2501.515	18" RC PIPE APRON	EACH	\$400.00	4	1.00	\$400.00	1.00	\$400.00		\$0.00
2501.561	18" RC PIPE CULVERT DESIGN 3006	LIN FT	\$25.00	3	85.00	\$2,125.00	85.00	\$2,125.00		\$0.00
2501.567	18" RC SAFETY APRON & GRATE DESIGN 3128	EACH	\$520.00	3	1.00	\$520.00	1.00	\$520.00		\$0.00
2501.561	18" RC SAFETY APRON	EACH	\$520.00	3	1.00	\$520.00	1.00	\$520.00		\$0.00
2501.602	PIPE TIES	EACH	\$50.00	3	16.00	\$800.00	16.00	\$800.00		\$0.00
2503.541	18" RC PIPE SEWER DESIGN 3006	LIN FT	\$28.00	4	35.50	\$994.00	35.50	\$994.00		\$0.00
2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN G OR H	EACH	\$2,200.00	4	1.00	\$2,200.00	1.00	\$2,200.00		\$0.00
2506.516	CASTING ASSEMBLY	EACH	\$1,200.00	4	1.00	\$1,200.00	1.00	\$1,200.00		\$0.00
2511.501	RANDOM RIP RAP CLASS V	CU YD	\$125.00	4	44.00	\$5,500.00	20.00	\$2,500.00		\$0.00
2531.501	CONCRETE CURB AND GUTTER DESIGN B424	LIN FT	\$9.50	5	2,500.00	\$23,750.00	2,500.00	\$23,750.00		\$0.00
2531.507	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$35.00	8	205.00	\$7,175.00	205.00	\$7,175.00		\$0.00

**ANOKA COUNTY HIGHWAY DEPARTMENT**  
SP 02-609-13  
**JPA CALCULATIONS**

JPA CALCULATIONS

Item Number	Item	Unit	Unit Cost	ID	Total Quantity	Total Cost	ANOKA COUNTY			CITY OF ANDOVER			Storm Sewer	
							SP 02-609-13		SP 198-020-19					
							Quantity	Cost	Quantity	Cost				
<b>EXHIBIT B TOTALS</b>														
2.) Construction or Adjustment of Local Utilities					0.00		0.00		0.00					
3.) Grading, Base & Bituminous					325,985.89				0.00					
4.) Storm Sewer					2,500.00				0.00					
5.) Concrete Curb & Gutter					23,750.00				0.00					
6.) Decorative Medians					0.00				0.00					
7.) Median Plantings					0.00				0.00					
8.) Driveway Upgrades					7,175.00				0.00					
9.) Concrete Sidewalk					1,520.00				0.00					
10.) Bituminous Trails					0.00				0.00					
11.) Ornamental Railing					0.00				0.00					
12.) Street Lights					0.00				0.00					
13.) Internally Illuminated Signs					0.00				0.00					
14.) Traffic Signals					90,000.00				90,000.00					
15.) EVP					0.00				4,000.00					
<b>FEDERAL PROJECTS ONLY</b>														
16.) Mobilization, Field Office, Computer Equip.					28,350.00				6,125.00					
17.) Traffic Control & Detour					8,100.00				1,750.00					
County Supplied Signal Cabinet	14				\$487,380.89				\$101,875.00					
					\$6,000.00				\$6,000.00					
					<u>\$12,000.00</u>				<u>\$107,875.00</u>					
					<u>TOTAL</u>				<u></u>					

1.09%  
1.5%

\$101,875.00  
\$6,000.00  
\$0.00

**\$44,710.32**

