## RESOLUTION NO.

A RESOLUTION AUTHORIZING THE MAYOR TO ENTER INTO A CONTRACT WITH THE TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) FOR THE MAINTENANCE OF STATE HIGHWAYS WITHIN THE CITY LIMITS FOR REIMBURSEMENT TO THE CITY, FOR AN AMOUNT NOT TO EXCEED THREE HUNDRED SEVENTY-EIGHT THOUSAND NINE HUNDRED NINE DOLLARS (\$378,909.00).

## BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, it

is hereby authorizing the Mayor to enter into a contract with the Tennessee Department of Transportation (TDOT) for the maintenance of state highways within the City limits for reimbursement to the City, for an amount not to exceed \$378,909.00.

ADOPTED: \_\_\_\_\_, 2015

/mem

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City of Chattanoc		SY SEA	L Vor
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<b>Resolution Request Form</b>			
(This form is only required for resolutions	requiring expenditure	of City funds)	
	-		
Date: June 2, 2015			
		Demostration Dublication	
Preparer: Lee Norris		Department: Public Works	
Brief Description of Purpose for Resol		Resolution Number (if approved by Coun	· · · · · · · · · · · · · · · · · · ·
A City Council resolution is requested a			
Transportation (TDOT) for the maintena			loga for
reimbursement to the City, for an amou	int not to exceed \$37	8,909.00.	
Name of Vendor/Contractor/Grant, etc.	TDOT	New Contract/Project? (Yes or No)	No
Total project cost		_ Funds Budgeted? (YES or NO) _	Yes
Total City of Chattanooga Portion		Provide <u>Fund</u>	
City Amount Funded		Provide <u>Cost Center</u>	K0054
New City Funding Required	······································	Proposed Funding Source if not budgeted	
City's Match Percentage		Grant Period (if applicable)	
List all other funding sources and amo	unt for each contribu		
Amount(s)		Grantor(s)	
			<u></u>
\$			
A			
Agency Grant Number			
CFDA Number if known			
Other comments: (Include contingency am	ount contractor and o	ther information useful in preparing res	olution)
other comments; include contingency am	vusit, considerati, allu o	aler anormanon decini in hichanny (es	w.w.w.y
1			
		-71	
		Approved by:	<u>~</u>
Reviewed by: FINANCE OFFICE			CIAL/ADMINISTRATOR
Please submit completed form to @budget, C	ity Attorney and City Fina	ance Officer	

Elizabeth,

This is our contract with TDOT for FY 15-16. It is an exact copy of last year's contract. Need you to look it over and send it back to me.

Tks

Lee

I'm good with it. I has all the mandatory provisions of

#### CONTRACT BETWEEN THE STATE OF TENNESSEE, DEPARTMENT OF TRANSPORTATION AND CITY OF CHATTANOOGA

This Contract, by and between the State of Tennessee, Department of Transportation, hereinafter referred to as the "Department" and City of Chattanooga, hereinafter referred to as the "Agency" is for the provision of the routine maintenance of state routes, as further defined in the "SCOPE OF SERVICES."

Contract #: CMA1633

### A. SCOPE OF SERVICES:

- A.1. The Agency shall provide all service and deliverables as required, described, and detailed herein and shall meet all service and delivery timelines as specified by this Contract.
- A.2. Tenn. Code Ann. § 54-5-201 provides that the Department is authorized to enter into contracts with municipalities regarding the improvement and maintenance of streets over which traffic on state highways is routed.
- A.3. Tenn. Code Ann. § 54-5-202 provides that streets constructed, reconstructed, improved and maintained by the Department shall be of a width and type that the Department deems proper, but the width so constructed, reconstructed, improved and maintained shall not be less than eighteen feet (18'); and, in the case of resurfacing and maintenance, from curb to curb where curbs exist, or the full width of the roadway where no curbs exist.
- A.4. Tenn. Code Ann. § 54-5-203 provides that the Department is authorized to enter into contracts with municipalities that are organized to care for streets to reimburse, subject to the approval of the Department, for improvements and maintenance.
- A.5. Tenn. Code Ann. § 54-16-106 provides that the highway authorities of the state, counties, cities, and town are authorized to enter into agreements with each other respecting the improvement and maintenance of controlled-access facilities, defined by Tenn. Code Ann. § 54-16-101 as a highway or street specially designed for through traffic, and over, from or to which owners or occupants of abutting land or other persons have no right or easement of access from abutting properties.
- A.6. Tenn. Code Ann. § 54-5-139 provides that the Department may enter into a contract with a qualified county to perform maintenance activities upon the rights-of-way of state highways located outside of municipalities and metropolitan governments; and, that the reimbursement shall be on an actual cost basis.
- A.7. The Department is hereby contracting with the Agency for the improvements and maintenance specified in Attachment "Exhibit A" titled "Guidelines Covering Maintenance of State Highways through Municipalities," attached and incorporated hereto as part of this Contract.

#### B. CONTRACT PERIOD:

This Contract shall be effective for the period beginning July 1, 2015, and ending on June 30, 2016. The Agency hereby acknowledges and affirms that the Department shall have no obligation for services rendered by the Agency which were not performed within this specified contract period.

#### C. PAYMENT TERMS AND CONDITIONS:

C.1. <u>Maximum Liability</u>. In no event shall the maximum liability of the Department under this Contract exceed Three-Hundred, Ninety-Four Thousand, Two-Hundred, Fifty-Seven Dollar and Sixty Cents (\$394,257.60). The payment rates in Section C.3 shall constitute the entire compensation due

the Agency for all service and Agency obligations hereunder regardless of the difficulty, materials or equipment required. The payment rates include, but are not limited to, all applicable taxes, fees, overheads, and all other direct and indirect costs incurred or to be incurred by the Agency.

The Agency is not entitled to be paid the maximum liability for any period under the Contract or any extensions of the Contract for work not requested by the Department. The maximum liability represents available funds for payment to the Agency and does not guarantee payment of any such funds to the Agency under this Contract unless the Department requests work and the Agency performs said work. In which case, the Agency shall be paid in accordance with the payment rates detailed in Section C.3. The Department is under no obligation to request work from the Agency in any specific dollar amounts or to request any work at all from the Agency during any period of this Contract.

- C.2. <u>Compensation Firm</u>. The payment rates and the maximum liability of the Department under this Contract are firm for the duration of the Contract and are not subject to escalation for any reason unless amended.
- C.3. <u>Payment Methodology</u>. The Agency shall be compensated based on the payment rates herein for units of service authorized by the Department in a total amount not to exceed the Contract Maximum Liability established in Section C.1.
  - a. The Agency's compensation shall be contingent upon the satisfactory completion of units, milestones, or increments of service defined in Section A.
  - b. The Agency shall be compensated for said units, milestones, or increments of service based upon the payment rates provided in Attachments "Exhibit A" titled "Guidelines Covering Maintenance of State Highways through Municipalities" and "Exhibit B" containing the maximum allowable labor and equipment rates, attached and incorporated hereto as part of this Contract.
- C.4. <u>Travel Compensation</u>. The Agency shall not be compensated or reimbursed for travel, meals, or lodging.
- C.5. <u>Invoice Requirements</u>. The Agency shall invoice the Department only for completed increments of service and for the amount stipulated in Section C.3, above, and present said sworn invoices within the time specified in Section C.6 below and no more often than monthly, with all necessary supporting documentation, to:

Christopher Smith Operations District Supervisor Tennessee Department of Transportation P.O. Box 22368 Chattanooga, TN 37422-2368

- a. Each invoice shall clearly and accurately detail at a minimum all of the following required information (calculations must be extended and totaled correctly).
  - (1) Invoice Number (assigned by the Agency);
  - (2) Invoice Date;
  - (3) Contract Number (assigned by the Department);
  - (4) Customer Account Name: Tennessee Department of Transportation, Maintenance Division;
  - (5) Customer Account Number (assigned by the Agency to the above-referenced Customer);
  - (6) Agency Name;
  - (7) Agency Tennessee Edison Registration ID Number;
  - (8) Agency Contact for Invoice Questions (name, phone, and/or fax);
  - (9) Agency Remittance Address;

- (10) Description of Delivered Service that shall detail the work performed by activity, including the quantified units of measure as identified in the Attachments, and work location that corresponds to the request for reimbursement of each activity submitted;
- (11) Complete Itemization of Charges, which shall detail the following:
  - i. Service or Milestone Description (including name & title as applicable) of each service invoiced,
  - ii. Number of Completed Units of Measure as applicable for each service invoiced, as provided in Exhibit A,
  - iii. Applicable Payment Rate (as stipulated in Section C.3.) of each service involced,
  - iv. Amount Due by Service, and
  - v. Total Amount Due for the invoice period; and
- (12) Any further information requested by the Department.
- b. The Agency understands and agrees that an invoice under this Contract shall:
  - include only charges for service described in Contract Section A and Exhibit A, and in accordance with payment terms and conditions set forth in Contract Section C;
  - (2) only be submitted for completed service and shall not include any charge for future work;
  - (3) not include sales tax or shipping charges; and
  - (4) initiate the timeframe for payment only when the Department is in receipt of the invoice, and the invoice meets the minimum requirements of this Section C.5.
- C.6 <u>Timely Invoice</u>. The amount(s) per compensable increment (detailed in Section C.3) shall be contingent upon the Department's receipt of an invoice (as required in Section C.5.) for said service(s) within sixty (60) days after the end of the calendar month in which the service(s) were rendered. At the sole discretion of the Department, the amount per compensable increment of any service for which the Department receives an invoice later than prescribed herein shall be subject to a reduction in amount of up to 100%. In the case of an untimely invoice, before any payment will be considered by the Department, the Agency must submit a written request regarding the untimely invoice, which shall detail the reason the invoice is untimely as well as the Agency's plan for submitting all future invoices no later than prescribed herein, and it must be signed by an individual empowered to bind the Agency to this Contract.
- C.7. <u>Payment of Invoice</u>. A payment by the Department shall not prejudice the Department's right to object to or question any payment, invoice, or matter in relation thereto. A payment by the Department shall not be construed as acceptance of any part of the work or service provided or as approval of any amount invoiced.
- C.8. <u>Invoice Reductions</u>. The Agency's invoice shall be subject to reduction for amounts included in any invoice or payment theretofore made which are determined by the Department, on the basis of audits conducted in accordance with the terms of this Contract, not to constitute proper remuneration for compensable services.
- C.9. <u>Deductions</u>. The Department reserves the right to deduct from amounts, which are or shall become due and payable to the Agency under this or any contract between the Agency and the State of Tennessee any amounts, which are or shall become due and payable to the State of Tennessee by the Agency.
- C.10. <u>Prerequisite Documentation</u>. The Agency shall not invoice the Department under this Contract until the Department has received the following documentation properly completed.
  - a. The Agency shall complete, sign, and present to the Department an "Authorization Agreement for Automatic Deposit (ACH Credits) Form" provided by the Department. By doing so, the Agency acknowledges and agrees that, once said form is received by the

Department, all payments to the Agency, under this or any other contract the Agency has with the State of Tennessee shall be made by Automated Clearing House (ACH).

b. The Agency shall complete, sign, and present to the Department a "Substitute W-9 Form" provided by the Department. The taxpayer identification number detailed by said form must agree with the Agency's Federal Employer Identification Number or Tennessee Edison Registration ID referenced in this Contract.

#### D. STANDARD TERMS AND CONDITIONS:

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- D.1. <u>Required Approvals</u>. The Department is not bound by this Contract until it is signed by the contract parties.
- D.2. <u>Modification and Amendment</u>. This Contract may be modified only by a written amendment signed by all parties hereto and approved by both the officials who approved the base contract and, depending upon the specifics of the contract as amended, any additional officials required by Tennessee laws and regulations.
- D.3. <u>Termination for Convenience</u>. The Department may terminate this Contract without cause for any reason. Said termination shall not be deemed a breach of contract by the Department. The Department shall give the Agency at least thirty (30) days written notice before the effective termination date. The Agency shall be entitled to compensation for satisfactory, authorized service completed as of the termination date, but in no event shall the Department be liable to the Agency for compensation for any service which has not been rendered. Upon such termination, the Agency shall have no right to any actual general, special, incidental, consequential, or any other damages whatsoever of any description or amount.
- D.4. <u>Termination for Cause</u>. If the Agency fails to properly perform its obligations under this Contract in a timely or proper manner, or if the Agency violates any terms of this Contract, the Department shall have the right to immediately terminate the Contract and withhold payments in excess of fair compensation for completed services. Notwithstanding the above, the Agency shall not be relieved of liability to the Department for damages sustained by virtue of any breach of this Contract by the Agency.
- D.5. <u>Subcontracting</u>. The Agency shall not assign this Contract or enter into a subcontract for any of the services performed under this Contract without obtaining the prior written approval of the Department. If such subcontracts are approved by the Department, each shall contain, at a minimum, sections of this Contract pertaining to "Conflicts of Interest," "Nondiscrimination," "Records," "Monitoring," and "State and Federal Requirements," (as identified by the section headings). Notwithstanding any use of approved subcontractors, the Agency shall be the prime contractor and shall be responsible for all work performed.
- D.6. <u>Conflicts of Interest</u>. The Agency warrants that no part of the total Contract amount shall be paid directly or indirectly to an employee or official of the State of Tennessee as wages, compensation, or gifts in exchange for acting as an officer, agent, employee, subcontractor, or consultant to the Agency in connection with any work contemplated or performed relative to this Contract.
- D.7. <u>Nondiscrimination</u>. The Agency hereby agrees, warrants, and assures that no person shall be excluded from participation in, be denied benefits of, or be otherwise subjected to discrimination in the performance of this Contract or in the employment practices of the Agency on the grounds of handicap or disability, age, race, color, religion, sex, national origin, or any other classification protected by Federal, Tennessee State constitutional, or statutory law. The Agency shall, upon request, show proof of such nondiscrimination and shall post in conspicuous places, available to all employees and applicants, notices of nondiscrimination.
- D.8. <u>Records</u>. The Agency shall maintain documentation for all charges under this Contract. The books, records, and documents of the Agency, insofar as they relate to work performed or money received under this Contract, shall be maintained for a period of three (3) full years from the date

of the final payment and shall be subject to audit at any reasonable time and upon reasonable notice by the Department, the Comptroller of the Treasury, or their duly appointed representatives. The financial statements shall be prepared in accordance with generally accepted accounting principles.

- D.9. <u>Monitoring</u>. The Agency's activities conducted and records maintained pursuant to this Contract shall be subject to monitoring and evaluation by the Department, the Comptroller of the Treasury, or their duly appointed representatives.
- D.10. <u>Progress Reports</u>. The Agency shall submit brief, periodic, progress reports to the Department as requested.
- D.11. <u>Strict Performance</u>. Failure by any party to this Contract to insist in any one or more cases upon the strict performance of any of the terms, covenants, conditions, or provisions of this Contract shall not be construed as a waiver or relinquishment of any such term, covenant, condition, or provision. No term or condition of this Contract shall be held to be waived, modified, or deleted except by a written amendment signed by the parties hereto.
- D.12. Independent Contractor. The parties hereto, in the performance of this Contract, shall not act as employees, partners, joint venturers, or associates of one another. It is expressly acknowledged by the parties hereto that such parties are independent contracting entities and that nothing in this Contract shall be construed to create an employer/employee relationship or to allow either to exercise control or direction over the manner or method by which the other transacts its business affairs or provides its usual services. The employees or agents of one party shall not be deemed or construed to be the employees or agents of the other party for any purpose whatsoever.

The Agency, being a Tennessee governmental entity, is governed by the provisions of the Tennessee Government Tort Liability Act, *Tennessee Code Annotated*, Sections 29-20-101 *et seq.*, for causes of action sounding in tort. Further, no contract provision requiring a Tennessee political entity to indemnify or hold harmless the Department beyond the liability imposed by law is enforceable because it appropriates public money and nullifies governmental immunity without the authorization of the General Assembly.

- D.13. <u>Department Liability</u>. The Department shall have no liability except as specifically provided in this Contract. The Department does not assume any liability for damages caused to persons or property by reason of the Agency performance of this Contract, The Department assumes no liability for injury to any person or employees of the Agency performing work under this Contract.
- D.14. <u>Force Majeure</u>. The obligations of the parties to this Contract are subject to prevention by causes beyond the parties' control that could not be avoided by the exercise of due care including, but not limited to, natural disasters, riots, wars, epidemics, or any other similar cause.
- D.15. <u>State and Federal Compliance</u>. The Agency shall comply with all applicable State and Federal laws and regulations in the performance of this Contract.
- D.16. <u>Governing Law</u>. This Contract shall be governed by and construed in accordance with the laws of the State of Tennessee. The Agency agrees that it will be subject to the exclusive jurisdiction of the courts of the State of Tennessee in actions that may arise under this Contract. The Agency acknowledges and agrees that any rights or claims against the State of Tennessee or its employees hereunder, and any remedies arising therefrom, shall be subject to and limited to those rights and remedies, if any, available under *Tennessee Code Annotated*, Sections 9-8-101 through 9-8-407.
- D.17. <u>Completeness</u>. This Contract is complete and contains the entire understanding between the parties relating to the subject matter contained herein, including all the terms and conditions of the parties' agreement. This Contract supersedes any and all prior understandings, representations, negotiations, and agreements between the parties relating hereto, whether written or oral.

- D.18. <u>Severability</u>. If any terms and conditions of this Contract are held to be invalid or unenforceable as a matter of law, the other terms and conditions hereof shall not be affected thereby and shall remain in full force and effect. To this end, the terms and conditions of this Contract are declared severable.
- D.19. <u>Headings</u>. Section headings of this Contract are for reference purposes only and shall not be construed as part of this Contract.

#### E. SPECIAL TERMS AND CONDITIONS:

- E.1. <u>Conflicting Terms and Conditions</u>. Should any of these special terms and conditions conflict with any other terms and conditions of this Contract, these special terms and conditions shall control.
- E.2. <u>Communications and Contacts</u>. All instructions, notices, consents, demands, or other communications required or contemplated by this Contract shall be in writing and shall be made by certified, first class mail, return receipt requested and postage prepaid, by overnight courier service with an asset tracking system, or by EMAIL or facsimile transmission with recipient confirmation. Any such communications, regardless of method of transmission, shall be addressed to the respective party at the appropriate mailing address, facsimile number, or EMAIL address as set forth below or to that of such other party or address, as may be hereafter specified by written notice.

The Department:

Christopher Smith Operations District Supervisor State of Tennessee Department of Transportation P.O. Box 22368 Chattanooga, TN 37422-2368 <u>Christopher.Smith@tn.gov</u> Telephone # 423 510 1254 FAX # 423 510 1155

The Agency:

Tony Boyd Asst. Director of Operations City of Chattanooga (Hamilton) 900 East 11<sup>th</sup> Street Chattanooga, TN 37403 Boyd\_tony@chattanooga.gov Telephone # 423 757 5336 FAX # 423 757 5350

All instructions, notices, consents, demands, or other communications shall be considered effectively given upon receipt or recipient confirmation as may be required.

E.3. <u>Subject to Funds Availability</u>. The Contract is subject to the appropriation and availability of State of Tennessee and/or Federal funds. In the event that the funds are not appropriated or are otherwise unavailable, the Department reserves the right to terminate the Contract upon written notice to the Agency. Said termination shall not be deemed a breach of Contract by the Department. Upon receipt of the written notice, the Agency shall cease all work associated with the Contract. Should such an event occur, the Agency shall be entitled to compensation for all satisfactory and authorized services completed as of the termination date. Upon such termination, the Agency shall have no right to recover from the Department any actual, general, special, incidental, consequential, or any other damages whatsoever of any description or amount.

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AGENCY ATTORNEY SIGNATURE

APPROVED AS TO FORM AND LEGALITY

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION:

PRINTED NAME AND TITLE OF AGENCY SIGNATORY (above)

JOHN SCHROER, COMMISSIONER

APPROVED AS TO FORM AND LEGALITY

DEPARTMENT GENERAL COUNSEL

7

- E.4. <u>MUTCD</u>. In accordance with Tenn. Code Ann. 54-5-108, the Agency shall conform to and act in accordance with the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) as adopted by rules of the Department. Particularly, the Agency shall sign work-zones associated with this Contract in accordance with the aforesaid MUTCD.
- E. 5. <u>Maintenance</u>. Nothing contained in this Contract shall change the maintenance obligations governed by the laws of the State of Tennessee, it being the intent of this Contract not to enlarge the present maintenance obligations of the Department.
- E. 6 <u>Activity 446: Mechanical Sweeping and Street Flushing</u>. Charges for this activity code shall not exceed \$150,000.00 for the contract.

IN WITNESS WHEREOF,

CITY OF CHATTANOOGA:

AGENCY SIGNATURE

DATE

DATE

DATE

#### GUIDELINES COVERING MAINTENANCE OF STATE HIGHWAYS THROUGH MUNICIPALITIES

The following items where applicable are eligible for reimbursement by the Department to the Agency under the Standard Maintenance Agreement:

Activity	Maintenance Work Type	Unit Of Measure
401	Manual Spot Patching	Tons
402	Crack Repair	Pounds
404	Mechanical Continuous Patching	Tons
405	Milling	Square Yards
406	Surface Replacement	Tons
411	Concrete Pavement Repair	Cubic Yards
412	Concrete Joint Repair	Linear Feet
425	Grading Unpaved Surface (Shoulder)**	Linear Miles
427	Patching Unpaved Surface (Shoulder)**	Tons
435	Machine Mowing**	Acres
438	Debris Removal**	Man Hours
441	Litter Removal**	Roadway Miles
446	Mechanical Sweeping and Street Flushing	Miles
447	Manual Roadway Sweeping	Man Hours
460	Plowing Snow	Lane Miles
461	De-icing Salt and/or Sand for Snow & Ice Removal	Tons
463	Anti-icing (Salt Brine)	Gallons
470	Pavement Markings	Line Miles
471	Specialty Markings	Each

\*\* Work must be inside the area eligible for reimbursements as detailed in "CITY MAINTENANCE ROADWAY TYPICAL SECTIONS".

The following items are the responsibility of the Agency and are not eligible for reimbursement by the Department:

- 1. Crosswalk Striping
- 2. Mowing right-of-way back of curbs or beyond edge of paved surface on roadway segments which are not access controlled.
- 3. Litter from right-of-way back of curbs or beyond edge of paved surface on roadway segments which are not access controlled.
- 4. Storm drainage
- 5. Traffic control signs and signals and any other traffic control or monitoring devices.
- 6. Street lighting
- 7. Street name signs
- 8. Tree removal and vegetation control on right-of-way back of curbs or beyond edge of paved surface on roadway segments which are not access controlled.
- 9. Sidewalks

NOTE:

- 1. Major resurfacing when generally required will be performed by the Department as a construction project, in accordance with a program developed after consultation with the Agency.
- 2. The Department will furnish and maintain route markers through the Municipalities.

Rev. 5-28-14

The following Table itemizes the current roadway surface area to the nearest whole square yard which will be routinely maintained, swept, or flushed by the Agency under the terms of this contract. The Department agrees to reimburse said Agency in the amount actually expended for street maintenance, excluding machine mowing and litter removal,

			Concess Vord.	67								
pprove	Approved Maximum Reimbursement Per Square Taru	ursement Pe	er Square Taru:	0.15								
otal Ros	Total Roadway Surface Area (YD^2):	a (YD^2):		2479584								
alculate	Calculated Maximum Reimbursement (Roadway Surface):	bursement ()	Roadway Surface):	\$ 371,937.60	60							
(oadwa)	<b>Roadway Surface Inventory Worksheet</b>	Worksheet					F				Madian	Reimhursi
Rout Second	Street Name	Action	Crossing Boundry Description	Rdw y. Profil	Access Contr ol	Beg Log Mile	End Log Mile	Roadway Length(f t.)	Koadwa y Width(ft .)	Width(ft	Area (yd.^2)	ble Area (yd.^2)
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Z SR00	CUMMINGS	CHANG	C049 W. HILLS RD. RT.	IC	0N N	0.76	1.78	5,386	28			16,755.20
2 SR00	HWY. CUMMINGS	CHANG	C046 FRANCIS ST. LT.	1C	ON	1.78	1.95	898	34	3		3,390.93
2 SR00	HWY. CUMMINGS	E		1C	ON	1.95	2.01	317	44	1	•	1,548.80
2 SBOD	HWY. CUMMINGS	ECHANG		9	NO	2.01	2.07	117	89	r	1	2,393.60
2	HWY.	E	DAMP TO L-24 WR LNS. RT.	1E	NO	2.07	2.21					E 421 A7
SR00	CUMMINGS	CHANG					62.0	739	56	15	1,252	14-100%
SR00	CUMMINGS	CHANG	RAMP TO/FROM I-24 EB	E	ON	2.21	2.32	581	76	12	774	5,678.53
2 SR00	HWY. CUMMINGS	CHANG	SR-38 BIRMINGHAM HWY.	IE	ON	2.32	2.35	158	80	12	211	1,619.00
2 SR00	HWY. CUMMINGS	ECHANG	RI.	1E	NO	2.35	2.43	42.2	70	1		3,285.33
2 SR00	HWY. CUMMINGS	E CHANG		a	ON	2.43	2.5	370	72	1		2,956.80
2 SR00	HWY. CUMMINGS	ECHANG	C385 RT.	g	0N	2.5	2.62	634	62	•		4,364.80
2 SR00	HWY. CUMMINGS	E CHANG	LOOKOUT VALLEY	IE	ON	2.62	2.69	370	56	*		2,299.73
2	HWY.	211 VIC	_	1E	CN	2.69	2.73			•		

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	2.86	3.08	3.24	1.31	1000	3.4	3.52	3.57	3.64	3.74	5.6	5.74	5.81	5.94	6.55	6.77	7.09	7.15	7.17	7.27	7.3	7.41	
	2.73	2.86	3.08	3.24		3.31	3.4	3.52	3.57	3.64	5.56	5.6	5.74	5.81	5.94	6.55	6.77	7.09	7.15	7.17	7.27	7.3	
	ON	NO	ON	ON	>	NO -	NO	ON	NO	ON	ON	ON	No	ON	0N	ON	ON	ON	0N	ON	NO N	ON	
	<b>n</b> ::	IC	<b>9</b> .	IC	) - 1 -	1C	Ð	1C	1C	10	1C	1C	1 D	Ð	9	IE	9	1D	IE	IE	IE	<b>0</b>	
-+	C043 MYRTLE AVE. LT.	C039 TULIP AVE. RT. & LT.	C038 ASTOR AVE. RT. & LT.	RAMP FROM 2199	WAUHATCHIE PK. RT.	C099 DREW RD. LT.				BRIDGE [33SR0020005]; I OOKOUT CEREEV			A864 OLD WAUHATCHIE PK. RT.	1 ST. ELMO AVE. RT. &	17 TENNESSEE AVE. RT.	A601 WILLIAMS ST. RT.				RAMP FROM I-24 RT.	RAMP TO I-24 RT.		
	CHANG E	CHANG E	CHANG	CHANG	E	CHANG	CHANG E	CHANG	CHANG	CHANG	CHANG	CHANG	CHANG E	CHANG	CHANG E	CHANG F	CHANG	CHANG E	CHANG		HANG	CHANG	
	CUMMINGS HWY.	CUMMINGS HWY.	CUMMINGS HWY.	CUMMINGS	HWY.	CUMMINGS HWY.	CUMMINGS HWY,	CUMMINGS HWY.	CUMMINGS	CUMMINGS HWY.	CUMMINGS HWY.	CUMMINGS HWY.	CUMMINGS HWY.	CUMMINGS HWY.	BROAD ST.	BROAD ST.	BROAD ST.	BROAD ST.	BROAD ST.	BROAD ST.	BROAD ST.	BROAD ST.	
	5R00	SR00 2	SR00	SR00	2	SR00 2		<b></b>			<u> </u>	SR00   1 2   1	SR00 ( 2 1	SR00 ( 2 I		<u> </u>		SR00 B 2		SR00 B 2		SR00 BI	CDAA W

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	24,217.80	7,920.00	8,008.00	5,186.13	6,406.40	4,928.33	56,695.47	2,053.33	9,715.20	2,299.73	19,588.80	774.40	4,576.00	2,640.00	73 7,321.80	4,787.20	21,354.67	5,632.00	22,404.80	9,867.73	4,581.87	1 4 005 70
	18 5,069	•	•	3	15 1,056	16 939	•	1	3	•	•	1	•	18 528	18 1,373	•	Ę	- 	•	•	1	•
	68 1	90	91	89		68	64	70	36	56	53	66	52	72	78	8	70	80	67	58	71	F
	2,534	792	792	686	634	528	7,973	264	2,429	370	3,326	106	792	264	89		+	+				
7.94		8°08	8.24	8.37	8.49	8.59	10.1	10.15	10.61	10.68	11.31	11.33	11.48	11.53	11.66	11.83	12.35	12.47	13.04	13.33	13.44	1 13.8
7.46		7.94	8.09	8.24	8.37	8.49	8.59	10.1	10.15	10.61	10.68	11.31	11.33	11.48	11.53	11.66	11.83	12.35	12.47	13.04	13.33	13.44
ON	2	ON:	ON	NO	NO	ON	ON	ON	0N	NO	ON	ON	ON	ON	ON N	0Z	ON	ON	0N	Ŋ	ON	0Z
1F	1	JE	IE	1E	IE	1E	8	61	a	<b>G</b>	9	1E	IE.	E	H.	IE	<b>G1</b>	9	1D	9	9	<u>a</u>
A 244 COWADT ST RT & LT.	8	A626 20TH ST. E. LT.	WASHINGTON ST.	OVERHEAD [33SR0270007]:	CSXT	4417 CENTRAL AVE. LT.	SR-27 ROSSVILLE BLVD. RT.	3557 DODDS AVE. RT.		4985 E. MAIN ST. RT.	A542 E. 14TH ST. RT.			FRONT		MCCALLIE TUNNEL	END OF MCCALLIE TUNNEL	B274 VISTA DR. RT.	GERMANTOWN RD	3611 BELVOIR AVE. RT.		B108 SEQUOIA DR.
-	CHANG	HANG	CHANG		_+	E CHANG	ECHANG	CHANG	E CHANG	ECHANG	ECHANG	E CHANG	ECHANG	ECHANG	ECHANG	ECHANG	ECHANG	E CHANG	ECHANG	ECHANG	ECHANG	ECHANG
	W. 20TH ST.	ASHINGTON	<u>ST.</u> E. 23RD ST.	E. 23RD ST.			E. 23RD ST.	DODDS AVE.	DODDS AVE.	DODDS AVE.	DODDS AVE.	MCCALLIE	AVE. MCCALLIE	AVE. MCCALLIE	AVE. MCCALLIE	AVE. MCCALLIE	AVE. BRAINERD RD.	BRAINERD RD.		BRAINERD RD.	BRAINERD RD.	DDAINFRD RD.
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Rev. 5-28-14

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SR00 I	LEE HWY.	CHANG			(			211	50			<u> </u>
	LEE HWY.		ES10 CENTER ST. RT.	10	ON	+	I C	686	37	<del> </del>		2,821.87
	LEE HWY.	CHANG	E511 ST. STEPHENS PL. LT.	1D	ON	18.81	19	1,003	48	•		5,350.40
	LEE HWY.	E CHANG		1C	ON	19	19.06	317	38			1,337.60
	LEE HWY.	ECHANG	E507 ROBIN DR. LT.	9	ON	19.06	19.28	1,162	50	1		6,453.33
2 SR00	LEE HWY.	ECHANG	3604 STANDIFER GAP RD. RT.	<b>B</b>	0N	19.28	19.52	1,267	52	3		7,321.60
2 SR00	LEE HWY.	ECHANG	& TI.	e	ON	19.52	19.88	1,901	40	•		8,448.00
8	LEE HWY.	E CHANG	E477 TYNER RD. RT. & LT.	9	ON	19.88	20.06	950	48	•		5,068.80
2 SR00	LEE HWY.	ECHANG	E474 WALKER RD. RT. & LT.	9	NO	20.06	20.29	1,214	64	9		8,635.73
903	LEE HWY.	ECHANG	F902 YERBY DR. RT.	9	NO	20.29	20.34	264	64	3		1,877.33
2 SR00	LEE HWY.	ECHANG	SR-317 BONNY OAKS DR. LT.	IE	ON	20.34	20.4	317	80	ŧ	1	2,816.00
800	LEE HWY.	E CHANG		E	ON	20.4	20.53	686	104	1		7,931.73
2 SR00	LEE HWY.	ECHANG	UNDERPASS: 1-75	e	ON	20.53	20.54	23	88		1	516.27
2 SR00	LEE HWY.	ECHANG		1E	ON	20.54	20.58	211	102	1	*	2,393.60
R00		ECHANG	OVERHEAD	10	ON	20.58	20.64	317	86		ŀ	3,449.60
2 SR00		ECHANG	RAMP FROM I-75 NB LNS. RT.	9	ON	20.64	20.7	317	76	a	P	2,675.20
2 SR00		ECHANG		1C	ON	20.7	20.83	686	92	9	F	7,016.53
R00	<u>-</u>	E CHANG		9	ON	20.83	20.94	581	89	1	*	4,388.27
2 SR00		ECHANG	RELOCATION DR. PRIVATE	16	0N	20.94	21.54	3,168	68	34	11,968	35,904.00
2 SR00	LEE HWY.	CHANG		2	NO	21.54	21.62	422	48	•	8	2,252.80
2 SR00	LEE HWY.	END	LEAVE CHATTANOOGA	IA	ON	21.62	22.74 8	5,956	32	•	3	21,176.32
2 SR00	WESTSIDE DR.	BEGIN	+	IE	ON	5.05	5.25	1,056	28	•	       	3,285.33
8				1	QN	5 25	\$ 26			•		

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EXHIBIT A

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Page 7 of 22	258.13	962.00	1,114.67	3,097.60	3,942.40	915.20	2,299.73	1,525.33	22,809.60	4,787.20	7,603.20	3,660.80	2,182.40	9,313.92	1,293.01	3,128.11	4,830.61	1,646,19	5,356.27	5,237.76	5,519.48	4,040.96	2,112.00
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	44	30	38	48	48	52	56	52	36	48	36	84	62	5	38	43	46	46	55	62	52	56	72
	53	106	264	581	739	158	370	264	5,702	898	1,901	686	317	1,996	306	655	945	322	876	760	776	649	264
		5.28	5.33	5.44	5.58	5.61	5.68	5.73	6.81	6.98	7.34	7.47	7.53	7.908	7.966	8.09	8.269	8.33	8.496	8.64	8.787	8.91	8.96
6.g.		5.26	5.28	5.33	5.44	5.58	5.61	5.68	5.73	6.81	6.98	7.34	7.47	7.53	7.908	7.966	8.09	8.269	8.33	8.496	8.64	8.787	8.91
		ON	<b>ON</b>	ON	ON .	NO	ON	NO	NO	NO	ON	ON	ON	NO	NO	ON	ON	ON	ON	ON	ON	ON	0 N
		1E	<b>9</b> (	10	IC	9	H	10	g	Ū	10	<b>1</b>	1E	<u>0</u>	9	a1	EI (	1D	1D	1D	1E	1D	01
		Begin Roundabout	End Roundabout				UNDERPASS [33100240045]: I- 24		SR-2 DODDS AVE. RT.		GRADE CROSSING Beltline		UNDERPASS DeButts Yard		A636 BALDWIN ST. RT.	A635 ROSSVILLE AVE. RT. & 1.T	SR-27 MARKET ST. RT. & LT.	A644 COWART ST. RT. & LT.	PICK UP SR-17	5714 13TH ST. W. LT.	A420 W. 12TH ST. RT. & LT.	5713 W. 11TH ST. LT.	90 DEG. RT. TURN
	E	CHANG	CHANG F	CHANG	CHANG	CHANG	CHANG	CHANG	CHANG	CHANG	CHANG	CHANG	CHANG F	CHANG	CHANG	CHANG	CHANG	CHANG	CHANG	CHANG	CHANG	CHANG	CHANG E
-28-14		WESTSIDE DR.	WESTSIDE DR.	WESTSIDE DR.	WESTSIDE DR.	WESTSIDE DR.	WESTSIDE DR.	WESTSIDE DR.	E. MAIN ST.	E. MAIN ST.	E. MAIN ST.	E. MAIN ST.	E. MAIN ST.	E. MAIN ST.	E. MAIN ST.	E. MAIN ST.	W. MAIN ST.	W. MAIN ST.	BROAD ST.	BROAD ST.	BROAD ST.	BROAD ST.	M.L. KING BLVD.
Rev. 5-28-14	~	SR00 8	SR00	SR00	SR00	SR00	SR00	SR00	SR00	SR00	SR00	SR00	SR00	SR00	SR00	SR00	SR00	SR00	SR00	SR00	SR00	SR00	SR00 8

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EXHIRIT A

Page 8 of 22	9,820.80	17,901.55	1,051.31	8,025.60	2.581.33		4,928.00	4,928.00	5,256.53	9,152.00	9,152.00	2,393.60	880.00	1,554.67		61,384.11	7,312.21	2.158.93		25,872.00		2,381.87		4,435.20		2,151.89	
	8 -	•					*	• • • • •	 T		• •	T	3	•		ł	3	1		t t		1		*		\$	
	62	73	56	36	L L	6	60	60	64	60	09	68	25	02	22	88	76		04	35		29		36		28	
	1,426	2,207	169	2.006		477	739	739	739	1,373	1,373	317	317	160	007	6,278	866		477	6.653		739		1.109		692	
	9.23	9.648	9.68	10.06	10.14	10.78	10.40	10.42	10.56	10.82	11.08	11.14	11.2	11.25	13.79	9	13.96	14.04		15.3		15.44		15.65		0.cr	
	8.96	9.23	9.648	9.68	10.06	10.14	10.14	10.28	10.42	10.56	10.82	11.08	11.14	11.2	12 60	200177	13.79 6	13.96		14.04		15.3		15,44		co.cl	
•	ON	ON	NO	NO	0N	-	2	ON .	ON	ON	ON	ON	NO	NO	QN	<b>N</b>	0N	NO		0N NO	5. 2. 2.	0N		Q N		D2	
	A A	<u> </u>	a:	9	9			9	1D	ä	Ð	9	01	1C	ļ	9	a.	<b>1</b> 1		IC		IC		1D		2 IC	
	90 DEG. LT. TURN	3550 E. 6TH ST. RT. & W. 6TH	TST.E.RT.	Market Street Bridge	END OF OVERHEAD &		90 DEG. LT. TURN						Begin Stringer's Ridge Tunnel	End Stringer's Ridge Tunnel		Enter City Limits	A054 RUSSELL AVE. RT.	SR-27 SUCK CREEK RD. LT.						C190 SUNSET DR. RT.		LEAVE CHATTANOOGA	
	HANG	E CHANG 3	HANG	E CHANG			CHANG E	CHANG	CHANG	E CHANG	ECHANG	ECHANG	ECHANG	ELEAVE	CL	ENTER	CHANG	ECHANG	E	CHANG	۲ı ۲	CHANG	H	CHANG	ы	END	
	D-20-14 MARKET ST.	MARKET ST.	MARKET ST.	MARKET ST.			CHEROKEE RI VD	OKEE	OKEE	DKEE	OKEE	BLVD. CHEROKEE	BLVD. CHEROKEE	BLVD. CHEROKEE	BLVD.	SIGNAL	SIGNAL	MOUNTAIN RD.	MOUNTAIN	BLVD. SIGNAL	MOUNTAIN	SIGNAL	MOUNTAIN	BLVD. SIGNAL	MOUNTAIN	SIGNAL	MOUNTAIN BLVD.
C L L	SR00 N	R00					R00	R00	R00	R00	8 SR00	8 SR00	+	-+-	20	SR00	8 SR00	8	8	SR00	30	<b>SR00</b>	80	SR00	<b>x</b> 0	<b>SR00</b>	<b>90</b>

EXHIRIT A

Page 9 of 22	15,892.80	16,832.64	1,232.00	1,056.00	2,112.00	3,379.20	2,956.80	10,513.07	1,032.53	16,837.33	1,337.60	6,160.00	1.372.80	4,763.73	5,280.00	12,390.40	18,304.00	83,658.67	1,701.33	2,158.93	5,643.80	2,658.77	
Page	15,	16,	1,2	1,0	2,1	3,3	2,9	10,	1,0	16,	1.3	6,1	1.3	4,7	5,21	12,	18,	83,	1,7	2,1;	5,6	2,6	
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	3	•	ł	1	1	1	•		•	•	1	•	1	•	1	*	•	E	•	•		r	•
																					56		
	30	36	30	36	36	36	36	56	44	41	38	42	39	58	30	48	30	46	58	46	\$	4	
	4,768	4,208	370	264	528	845	739	1,690	211	3,696	317	1,320	317	739	1,584	2,323	5,491	16,368	264	422	686	544	
	0.903	1.7	1.77	1.82	1.92	2.08	2.22	2.54	2.58	3.28	3.34	3.59	3.65	3.79	4.09	4.53		8.67	8.72	8.8			3.97
	0	0.903	1.7	1.77	1.82	1.92	2.08	2.22	2.54	2.58	3.28	3.34	3.59	3.65	3.79	4.09	4.53	5.57	8.67	8.72	8.8		2.07
	ON	ON	ON	0N N	ON	ON	NO	ON	ON C	ON	ŇO	ON	ON	NO	ON	ON	ON	ON	0N	ON	NO	ON	NO
	9	II a	ē	9	<b>6</b>	9	<b>0</b>	1D	ID ·	ID .	a	ID	E I	1D 1	<b>đ</b>	01	e L	1D	9	10	16	1C 1	1C
	GA STATELINE 1	A737 W. 47TH ST. RT. & LT.	HWY.	VESSEE	ELMO AVE. LT.		A838 37TH ST. W. RT. & LT.		ALONG SR-8 RT. FOR 2.12 I MILES		5403 MCCALLIE AVE. RT. & 1 LT.	& LT.	A679 E. 4TH ST. RT.	90 DEG. RT. TURN	90 DEG. LT. TURN		B567 COOLEY ST. LT. 1	HARDY ELEMENTARY 1 SCHOOL LT.		SR-317 BONNY OAKS DR. RT.	SR153:OVERHEAD/BEGIN:SR 1 058	ENTER CITY LIMITS	
	BEGIN	CHANG	CHANG E	CHANG	CHANG	CHANG	CHANG E	CHANG E	CHANG E	CHANG E	CHANG E	CHANG E	CHANG E	CHANG E	CHANG E	CHANG E	CHANG E	CHANG E	CHANG	CHANG E	END	BEGIN	CHANG
Rev. 5-28-14	ST. ELMO AVE.	ST. ELMO AVE.	OCHS HWY.	TENNESSEE AVE.	TENNESSEE AVE.	TENNESSEE AVE.	TENNESSEE AVE.	BROAD ST.	S. WILLOW ST.	S. WILLOW ST,	N. WILLOW ST.	N. WILLOW ST.	N. WILLOW ST.	E. 3RD ST.	DODSON AVE.	DODSON AVE.	DODSON AVE.	GLASS ST.	GLASS ST.	GLASS ST.	GLASS ST.	SUCK CREEK RD.	SUCK CREEK
Rev. 5	SR01	SR01	SR01	SR01	SR01 7	SR01 7	SR01	SR01 7	SR01	SR01 7	SR01 7	SR01 7	SR01 7	SR01 7	SR01 7	SR01 7	SR01 7	SR01 7	SR01 7	SR01 7	SR01 7	1	SR02

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Page 10 of 22	28,981.33		668.80	2,358.40	2,751.47	2,346.67	3,872.00	4,505.60	4,270.93	1,999.36	2,734.45	8,213.00	1,760.00	16,661.33	1,501.87	774.40	4.106.67	73 004 K7		00.701//6	10,517.76	12,953.60	2,745.60	9,867.73	1,994.67
Pa	•		3	E	1	3	•	E 			3	1,173	•	1	•	•	3	1 	•	3		•	•	•	*
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	26		38	67	67	50	60	64	56	48	59	48	60	71	64	99	c 1	2	8	72	24	24	36	29	34
	10.032		158	317	370	422	581	634	686	375	417	1,320	264	2,112	211	106		528	264	12,144	3,944	4,858	686	3,062	528
		4								4.641			5.02	5.42	5.46	5.48	5.58	5.63	7.93	1 05	CO.T	1.97	2.1	2.68	2.78
		3 07		4	4.06	4.13	4.21	4.32	4.44	4.57	4.641	4.72	4.97	5.02	5.42	5.46	5.48	5.58	5.63	502 V	coc.o	1.05	1.97	2.1	2.68
			<b>D</b>	<b>9</b>	NO	ON .	NO	ON	ON	ON	NO	ON	NO	ON	ON	0N N	ON	ON	ON		2	ON ·	ON	ON	ON
р. х 1				9	1D	9	A	9	A	a	9	1E	1D	1D	a	1E	1E	1E	-		IC	IC	10	IC	a
Ŧ.,				ALONG SR-8 RT. FOR 4.99 MIT RS	3565 W. 10TH ST. RT. & E. 10TH ST. I.T.	3566 W, 11TH ST. RT. & 3566 5 HTTU ST 1 T	PEDESTRIAN CROSSWALK		5714 13TH ST. W. RT.	CHATTANOOGA CHOO	A635 E. 14TH ST. LT.			ALONG SR-2 LT. FOR 0.89	MILES	I-24: OVERHEAD					2199 WAUHATCHIE PK. RT.	CSX UNDERPASS	[*AAAAACAWGCC]	CULVERT: BRANCH	C386 MODERN INDUSTRIAL PKWY. RT.
		6	CHANG F	HANG	HANG	HANG	CHANG P	CHANG	HANG	HANG	HANG	CHANG	E CHANG	HANG	HANG	ECHANG	E	E	E	END	BEGIN	CHANG	CHANG	ECHANG	E CHANG E
		RD. E	SUCK CREEK C	RKET ST.	MARKET ST.	MARKET ST.	MARKET ST.	MARKET ST.	MARKET ST.	MARKET ST.	MARKET ST.	MARKET ST.	MARKET ST.	ROSSVILLE	BLVD. ROSSVILLE	BLVD. ROSSVILLE	BLVD.	ROSSVILLE BLVD.	ROSSVILLE BLVD.	ROSSVILLE BLVD.	+				HWY. BIRMINGHAM HWV
i	Rev. 5-28-14	7 18	SR02 S						_			_	7 SR02	7 SR02	7 SR02	7 SR02	7	SR02 7	SR02 7	SR02	SR03	8 SR03	8 SR03	8 SR03	8 SR03

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Rev. 5	Rev. 5-28-14											Page 12 of 22
80		E	RT.					264	60	30	880	2,640.00
SR05 8	HWY. 58	CHANG		<b>1</b> D	NO	4.7	6.44	9,187	82	•		83,705.60
SR05 8	HWY. 58	CHANG E		<b>1</b>	Q N	6.44	6.58	739	8	24	1.971	8,541,67
SR05 8	HWY. 58	CHANG		11	ON	6.58	6.84	1.373	08	24	3,661	15,863.67
SR05 8	HWY. 58	END	3597 CHAMPION RD. LT.	1F	ON	6.84	7.03	1.003	77	24	2,675	11.257.93
SR14 8	Street Name	BEGIN	Enter City Limits	ID	ON	1.409	1.44	164	22			400.11
SR14 8	Street Name	END	SR2/Cummings Hwy	1C	0N	1.44	3.98	13,411	22	•		32,782.93
SR31 6	M.L. KING BLVD.	BEGIN	I-124	IE	0N	0	0.06	317	76	12	422	3,097.20
SR31 6	J	CHANG E	RAMP TO I-124 RT.	IE	0N	0.06	0.1	211	64	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	188	1,689.87
SR31 6	<u> </u>	CHANG	A343 PINE ST. LT.	<b>1</b> E	0N	0.1	0.16	317	74	4	141	2,745.80
SR31 6	+	END	3561 BROAD ST. RT. & LT.	Ð	ON	0.16	0.23	370	86			3,531.73
SR31 7	<u> </u>	BEGIN	BONNY OAKS DR/SR-17	1C	ON	0	0.12	634	46			3,238.40
SR31 7	<u> </u>	CHANG E		1C	NO	0.12	0.48	1,901	32	•	•	6,758.40
SR31	+	CHANG		<b>1</b>	NO	0.48	0.59	581	44			2,839.47
SR31	<u> </u>	CHANG E	D487 WILSON ST. LT.	16	ON N	0.59	0.7	581	35	26	1,678	5,937.20
SR31 7	7	CHANG	RAMP TO SR-153 SB LNS. RT.	a	02	0.7	0.77	370	53	t		2,176.53
SR31	BONNY OAKS DR.	CHANG E	SR153 / CENTER OF UNDERPASS	a	NO	0.77	0.83	317	53	•		1,865.60
SR31 7		CHANG		10	NO	0.83	0.86	158	59	•	1	1,038.40
SR31	- <u> </u>	CHANG E	RAMP FROM SR-153 NB	16	0. N	0.86	0.94	422	<b>8</b> 9	30	1,408	4,599.47
SR31 7	+	CHANG E		1C	NON .	0.94	0.99	264	62	•		1,818.67
SR31 7		CHANG		1D	ON	0.99	1.12	686	66	*		5,033.60
SR31 7	BONNY OAKS DR.	CHANG E		1D	ON	1.12	1.739	3,268	62	1		22,515.09
SR31 7	<u> </u>	CHANG	E661 PRESERVATION DR. RT. & LT.	1C	0N N	1.739	1.84	533	34	•	1	2,014.61
	7											

EXHIRIT A

Page 13 of 22	5,790.40	16,555.73	1,220.27	5,186.13	1,267.20	1,314.13	8,025.60	909.33	2,728.00	1,613.13	12,930.13	1,126.40	5,256.53	897.60	3,003.73	1,689.60	3,379.20	7,216.00	3,801.60	14,361.60	2,581.33	9,973.33	
Pag							1			387						. B				+			
	•	*	•		•			*	1	12	•	*	•		•	•	1	1	T		F	•	
	47	34	26	34	36	32	38	31	62	38	38	32	64	51	64	72	72	82	72	72	22	20	
	1,109	4,382	422	1,373	317	370	1,901	264	396	290	3,062	317	739	158	422	211	422	792	475	1,795	1,056	4,488	
	2.05	2.88	2.96	3.22	3.28	3.35	3.71	3.76	3.835	3.89	4.47	4.53	4.67	4.7	4.78	4.82	4.9	5.05	5.14	5.48	0.2	1.05	0.101
	1.84	2.05	2.88	2.96	3.22	3.28	3.35	3.71	3.76	3.835	3.89	4.47	4.53	4.67	4.7	4.78	4.82	4.9	5.05	5.14	0	0.2	0
	ON	ON	ON	ON	ON	ON	ON .	NO	NO	ON	NO	ON	ON	ON	ON	ON	NO	ON	NO	ON	0N	ON	NO
	1D	IC	10	10	1C	1C	IC	IC	10	16	1C	1C	Ð	10	9	<u>a</u>	IC	1C	10	9	IC	1A	1G
						5745 HICKORY VALLEY RD.				5747 VOLKSWAGEN DR. LT.				E478 COUNTRY LN. LT.		ALONG SR-2 FRONT & I-75 FOR 1 71 MILES	END OF OVERHEAD	RAMP TO I-75 NB LNS. LT.	OVERHEAD [33SR3170001]: NS	4145 OLD LEE HWY. RT. &	SR-2 CUMMINGS HWY. RT. &	SR-148 LOOKOUT MTN. SCENIC HWY	SR-153 STATE HWY. 153 RT.
	CHANG	CHANG	E CHANG	CHANG CHANG	CHANG F	CHANG F	CHANG F	CHANG FF	CHANG	CHANG F	CHANG	CHANG CHANG	CHANG	CHANG	CHANG F	CHANG	CHANG	CHANG F	CHANG	END	BEGIN	END	BEGIN
28-14	BONNY OAKS	DK. BONNY OAKS	BONNY OAKS	BONNY OAKS	BONNY OAKS	BONNY OAKS	BONNY OAKS	BONNY OAKS	BONNY OAKS	BONNY OAKS	BONNY OAKS	BONNY OAKS	BONNY OAKS	BONNY OAKS	BONNY OAKS	APISON PK.	APISON PK.	APISON PK.	APISON PK.	APISON PK.	WAUHATCHIE	WAUHATCHIE	AMNICOLA
Rev 5-78-14	SR31	R31				+					R31				+		SR31	SR31	SR31	SR31	- <del> </del>		+

**EXHIBIT** A

┝		0- I T					533	63	16	948	4,680.96
	-+		51	QN	0.101	0.26					
	CHANG F	D462 S. ACCESS KD. L1.	5	2	-+	-+	840	75	18	1,679	8,675.00
+	CHANG		<u>1</u> G	0 N	0.26	0.36	528	70	16	939	5,045.67
	E CHANG	UNDERPASS [33SR0580015]: NS	1C	ON	0.36		4,488	99		1	32,912.00
	CHANG	2	IC	ON S	1.21	1.3	475	74			3,907.20
	E CHANG		9	0N	1.3		634	72			5,068.80
1	CHANG F	ENTRANCE TO CHATTANOOGA STATE RT.	<b>.</b> - <b>.</b>	ON .	1.42		845	72			6,758.40
	CHANG		IC	0N	1.58	1.9	1,690	74		<b>J</b>	13,892.27
	CHANG		5 <b>8</b>	XES	1.9	1.98	422	92			4,317.87
HWY. DUPONT PKWY.	CHANG	BEGIN DUPONT PKWY.	2B	YES	1.98	2.16	950	94			9,926.40
DUPONT PKWY.	ECHANG	RAMP 2B FROM SR-319	2B	YES	2.16	2.22	317	106		. B 7	3,731.20
DUPONT PKWY.	E CHANG	C. B. ROBINSON BRIDGE	2B	YES	2.22	2.48	1,373	106			16,168.53
DUPONT PKWY.	E CHANG		2B	YES	2.48	2.87	2,059	106		, , ,	24,252.80
DUPONT PKWY.	E CHANG	RAMP 3A TO N. ACCESS RD.	5B	YES	2.87	3.12	1,320	96		• •	14,080.00
DUPONT PKWY.	CHANG	RAMP 3-D FROM 3542 N.	2B	YES	3.12	3.3	950	82		8 	8,659.20
DUPONT PKWY.	CHANG	RAMP 3-C FROM 3542 N.	2.B	YES	3.3	3.9	3,168	82		•	28,864.00
DUPONT PKWY.		AU0500	2B	YES	3.9	4.14	1,267	92		8	12,953.60
DUPONT PKWY.	+	ALONG SR-153 LT. FOR 0.87	2A	YES	4.14	4.35	1,109	82	200	24,640	34,742.40
HIXSON PK.	CHANG E		1G	ÖN .	4.35	4.48	686	64	25	1,907	6,788.07
HIXSON PK.	CHANG		<b>Q</b>	NO	4,48	4.79	1,637	09		•	10,912.00
HIXSON PK.	CHANG E	5715 NORTHPOINT BLVD. RT.	<u>a</u>	ON .	4.79	6.36	8,290	64		•	58,948.27
HIXSON PK.	CHANG		1E	0N	6.36	6.58	1,162	74			9,550.93
HIXSON PK.	END	LEAVE CHATTANOOGA	e	0N	6.58	8.155	8,316	64		3	59,136.00

EXHIRIT A

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Lage LJ UL 42	1,032.53	11,404.80	1,642.67	3,168.00	2,440.53	2,006.40	1,510.08	3,801.60	1,613.33	4,857.60	4,963.20	2,698.67	3,901.33	3,379.20	4,928.00	5,397.33	17,557.76	4,681.60	2,041.60	38,368.00	2,499.20	4,576.00	
r age	1,(	Ξ	1,0	3,	2,5	2,(	1,5	3.6	1,0	4,5	4	2,0	3.	3	4	5.2	-11	4,6	2,0	38	7. 7	4 4	
	*	,	3	,	g	•	1	1		•	F	ı t	1		*	1		•	•	•	,	1	•
	44	36	6	36	26	38	26	30	50	92	94	92	95	96	84	92	58	70	58	09	71	09	
	211	2,851	370	792	845	475	523	1,140	290	475	475	264	370	317	528	528	2,724	602	317	5,755	317	686	
0.04	+1.1	0.58	0.65	0.8	0.96	1.05	1.149	1.365	1.42	151	1.6	1.65	1.72	1.78	1.88	1.98	2.496	2.61	2.67	3.76	3.82	3.95	3.99
d	>	0.04	0.58	0.65	0.8	0.96	1.05	1.149	1.365	1.42	1.51	1.6	1.65	1.72	1.78	1.88	1.98	2.496	2.61	2.67	3.76	3.82	3.95
NO	D.	ON	ON S	ON	ON	ON	ON	ON CON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	0N N	ON	0N
112	II.	10	<b>a</b>	IC	9	Ð	<b>Q</b>	IC	1C	IC	10	1C	1C	IC	10	1C	01	Ð	8	<b>A</b>	9	1D	01
	Lee Hwy SK-2		WESLEY MEMORIAL UNITED METHODIST				4995 VANCE RD. LT.	B011 FRANKLIN DR. LT.	ROSELAWN DR. RT. & GLENBURY DR. LT.		3603 HICKORY VALLEY RD. LT.		UNDERPASS [33100750027]: 1- 75	RAMP TO I-75 NB LNS. RT.	RAMP FROM I-75 NB LNS. LT.	RAMP FROM 1-75 NB LNS. RT.	4986 N. CONCORD RD. LT.	E393 KENMOOR DR. RT.	4987 N. GUNBARREL RD. LT.			3608 GRAYSVILLE RD. RT.	
	BEGIN	CHANG	CHANG	CHANG E	CHANG	CHANG	CHANG	CHANG E	CHANG E	CHANG	CHANG	CHANG E	CHANG	CHANG E	CHANG E	CHANG E	CHANG E	CHANG E	CHANG E	CHANG E	CHANG E	CHANG E	CHANG
Kev. 3-28-14	E. BKAINEKD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD RD.	E. BRAINERD
Kev. J	0 SK32	SR32 0	SR32 0	SR32 0	SR32 0	SR32 0	SR32 0	SR32 0	SR32 0	SR32 0	SR32 0	SR32 0	SR32 0	SR32 0	SR32 0	SR32 0	<b> </b>	SR32 0	SR32 0	R32	R32	1	SR32

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rage 10 01 44	1,408.00		788 48	04-00/		10,280.75		1,848.00		1,320.00		2,623.57		1,971.60		3,097.60		2,675.20		1,760.40	1	2,479,584
La						•						1		282		4		z		282	ce(yd^2):	
	<u></u>		•		•				• • •		•			8	•		•			×	Total Roadway Surface(yd^2):	
	60			24		26		35		25		26		48		88		76		42	Total Roa	
	211			296		3,559		475		475		908		317		317		317		317	77.7	
			4.046		4.72	1	4.81		4.9		5 072		0.06		0.13	71-0	0.18	0110	10 24	<b>1</b> 7.0		
			3.99		4.046		4.72.	1	181		40	È	4	>	0.02	00.0	010	71.0	0 10	01.0		
		5 S S S S	0N N		UN	2	UN	2	UN	2	ON	2	VIX				ALC: N	2		2		
			1C		J.	ງ		)	C F	<b>)</b>		<b>]</b>	5	31		Ì.				Ĭ		
						E368 GRAYS DR. KI.						LEAVE CHATTANUUGA	CTTY LIMITS	1-124 RT. & LT./ CENTER UF	UNDERPASS	3559 CHESTNUT ST. RT. & LT.		3561 BROAD ST. RT. & LT.		SR-8 MARKET ST. RT. & LT.		Total Length (mi.):
		E	JNYAJ		H	CHANG	Е	CHANG	E	CHANG	E	END		BEGIN	_	CHANG	E	CHANG	E	END		
	28-14	RD.		E. BKAINEKU	RD.	E. BRAINERD	RD.	E. BRAINERD	RD.	E. BRAINERD	RD.	E. BRAINERD	RD.	W. 4TH ST.		W. 4TH ST.	-	W. 4TH ST.		W. 4TH ST.		
	Rev. 5-28-14	F	_	SR32	_	SR32	0	SR32	0	SR32	0	SR32		SR38		SR38		SR38		SR38		

FXHIRIT A

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INVENTORY OF ELIGIBLE MACHINE MOWING FOR THE MAINTENANCE OF STATE HIGHWAYS THROUGH MUNICIPALITIES

Rev. 5-28-14

1. A. 1. A.

The following Table itemizes the eligible mowing area in acres which will be maintained by the Agency under the terms of this contract. The Department agrees to reimburse said Agency in the amount actually expended for machine mowing, not to exceed the number of cycles and the price per acre as detailed below.

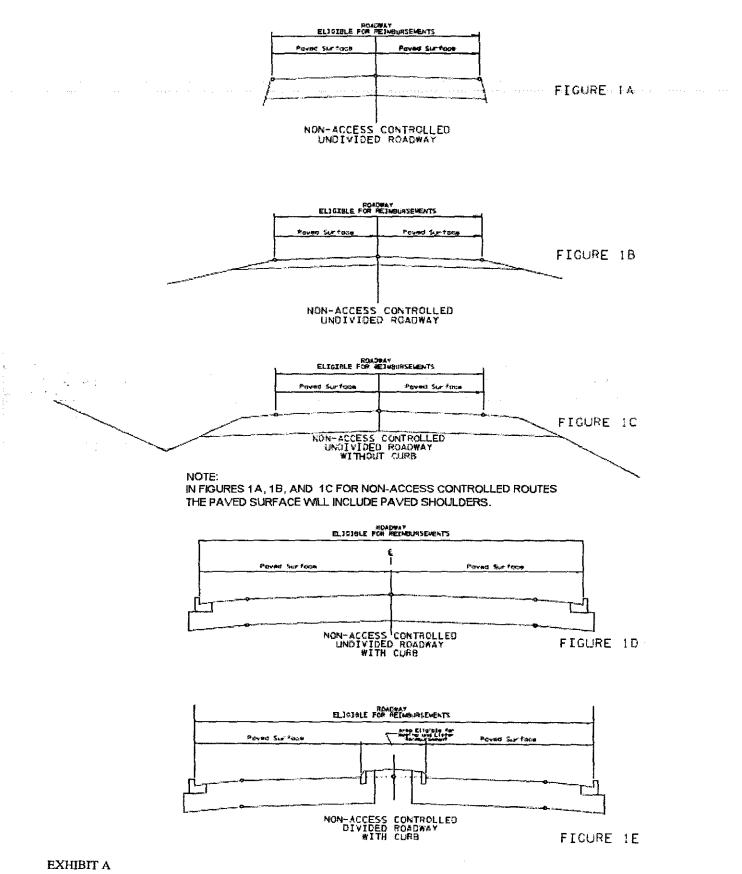
Acres         Acres           g Inventory Worksheet         Calculated Maximum Reimbursement         5           g Inventory Worksheet         (Advina)           r         y Type         (LM)           Raadvaa         Begin Termini (LM)         Aredian           Raadvaa         Area         O.22           IE         2.21         2.23         0.16           IE         7.46         7.94         0.47           IE         11.48         11.48         1.165         0.19           IE         11.48         11.48         0.14				Approved Mowing Reimbursement Per	\$			•:		
Roadval         Begin Termini         End Terminui Acunut A				Total Mandau	45.00 ¢					
g Inventory Worksheet         Median         Controlled         Segment           r         y Type         (LM)         Median         Controlled         Segment           r         y Type         (LM)         Area         Access Area         Total           r         y Type         (LM)         Area         Access Area         Area           r         0.01         0.02         0.04         0.05         0.05           IE         2.21         2.32         0.04         0.04         0.04           IE         2.21         2.32         0.04         0.04         0.05           IE         2.21         2.32         0.04         0.04         0.05           IE         2.32         0.37         0.25         0.16         0.16           IE         2.32         0.16         0.16         0.16         0.16           IE         8.49         0.59         0.19         0.19         0.16           IE         8.49         0.16         0.16         0.16         0.16           IE         8.49         0.15         0.22         0.16         0.16           IE         1.14         1.15         0.16 <th></th> <th></th> <th></th> <th>Calculated Maximum Kelmbursement (Mowing):</th> <th>3 22,320.00</th> <th></th> <th></th> <th></th> <th>-</th> <th></th>				Calculated Maximum Kelmbursement (Mowing):	3 22,320.00				-	
g Inventory Worksheet         Roadval         Begin Termini         Ead Termini(LM)         Median         Controlled         Segment           r         y Type         (LM)         Ead Termini(LM)         Median         Controlled         Segment           r         y Type         (LM)         Ead Termini(LM)         Access Area         Total           IE         2.07         2.21         0.16         0.16         0.16           IE         2.21         2.35         0.04         0.05         0.25           IE         2.32         2.35         0.04         0.16         0.16           IE         2.32         2.35         0.04         0.25         0.25           IE         7.46         7.94         1.05         1.05         1.05           IE         8.49         0.22         0.25         0.25         0.25           IE         8.49         0.25         0.11         0.16         0.19           IE         11.48         11.53         1.166         0.28         0.28           IE         11.48         11.53         0.11         0.19         0.18           IE         11.48         11.53         1.166         0										
	Mowing h	Iventory V	Vorksheet		н. ж.			N.		
r         y Type         ( $\tilde{M}$ )         Area         Total           IE $207$ $221$ $0.25$ $0.25$ $0.25$ IE $2.07$ $2.32$ $0.16$ $0.25$ $0.25$ $0.25$ IE $2.22$ $2.33$ $0.04$ $0.25$ $0.25$ $0.25$ $0.25$ IE $2.32$ $0.77$ $0.27$ $0.25$ $0.25$ $0.25$ IE $7.46$ $7.94$ $0.22$ $0.16$ $0.16$ $0.16$ IE $7.46$ $7.94$ $0.22$ $0.12$ $0.22$ $0.22$ IE $8.37$ $8.49$ $0.22$ $0.12$ $0.22$ $0.22$ IE $1.48$ $11.53$ $11.66$ $0.22$ $0.23$ $0.23$ IE $11.48$ $11.53$ $0.11$ $0.12$ $0.23$ $0.24$ $0.24$ IE $11.66$ $0.12$ $0.12$ $0.12$ $0.13$ $0.13$ IC $17.06$	Route	Roadwa	Begin Termini	End Termini(LM)	Median	Controlled	Segment	Number of Mowing		Contrac
IE $207$ $2.21$ $0.25$ $0.25$ $0.25$ IE $2.21$ $2.33$ $0.04$ $0.04$ $0.04$ $0.04$ IE $2.32$ $2.35$ $0.04$ $0.02$	<u>ب</u>	y Type	(LM)		Area	Access Area	Total	Cycles	 	name
IE $207$ $2.21$ $0.25$ $0.25$ $0.25$ IE $2.07$ $2.31$ $0.16$ $0.16$ $0.16$ IE $2.22$ $2.35$ $0.04$ $0.04$ $0.04$ IE $2.35$ $6.77$ $0.37$ $0.37$ $0.37$ IE $7.94$ $1.05$ $0.04$ $0.04$ $0.04$ IE $7.94$ $1.05$ $0.22$ $0.22$ IE $8.37$ $8.49$ $0.22$ $0.22$ $0.23$ IE $11.48$ $11.53$ $0.11$ $0.11$ $0.11$ IE $11.48$ $11.53$ $0.11$ $0.11$ $0.11$ IE $11.48$ $11.53$ $0.11$ $0.11$ $0.11$ IE $11.48$ $11.53$ $0.12$ $0.28$ $0.28$ IC $17.32$ $11.66$ $0.13$ $0.13$ $0.18$ IF $17.34$ $17.34$ $0.77$ $0.47$ $0.47$					(acres)	(acres)			5.	L'Hotel
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IE $207$ $221$ $0.25$ $0.25$ $0.16$ $0.11$							. <u> </u>			(acres)
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$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	SR002	16	17.02	17.06	0.15		0.15	9	0	0.87
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IG         20.94         21.54         2.47         2.47           IE         5.26         5.28         0.13         0.13           IE         8.64         8.787         0.13         0.13           IG         8.8         8.93         0.41         0.41	SR002	1F	17.24	17.35	0.27		0.27	6	1.	1.60
IE         5.26         5.28         0.13         0.13           IE         8.64         8.787         0.13         0.13           IG         8.8         8.93         0.41         0.41	SR002	16	20.94	21.54	2.47		2.47	9	1	14.84
IE         8.64         8.787         0.21         0.21           IG         8.8         8.93         0.41         0.41	SR008	1E	5.26	5.28	0.13		0.13	6	0	0.76
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	SR017	16	8.8	8.93	0.41		0.41	9	2.	2.46
1E 4.72 4.97 0.24	SR027	1E	4.72	4.97	0.24		0.24	9	1.	1.45

**EXHIBIT A** 

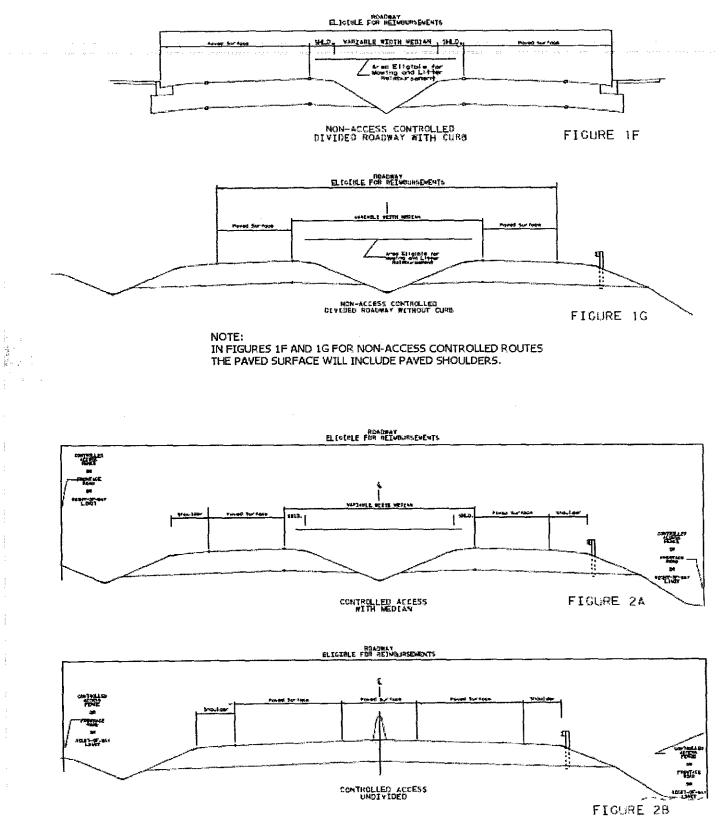
Page 18 of 22	1.75	1.09	2.44	4.54	3.32	0.52	0.23	0.17	2.08	1.75	0.48	1.18	2.08	1.16	1.63	26.97	8.47	36.68	55.03	73.45	28.54	95.13	36.31	63.84	2.36	0.35	0.35	496
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<u> </u>	16	1F	1F	1F	1F	1E	1E	1E	16	16	16	1G	1G	16	2B	2B	2B	2B	2B	2B	2B	2B	2B	2A	16	1E	1E	
Kev. J-28-14	SR058	SR058	SR058	SR058	SR058	SR316	SR316	SR316	SR317	SR317	SR317	SR319	SR319	SR319	SR319	SR319	SR319	SR319	SR319	SR319	SR319	SR319	SR319	SR319	SR319	SR389	SR389	

EXHIBIT A

#### CITY MAINTENANCE ROADWAY TYPICAL SECTIONS



#### CITY MAINTENANCE ROADWAY TYPICAL SECTIONS



## CITY OF CHATTANOOGA

## MAXIMUM ALLOWABLE EQUIPMENT RATES

## 2015-2016 FISCAL YEAR

ITEM			
NO	DESCRIPTION OF EQUIPMENT	RATE	UNIT
01	SEDAN, POLICE OR FULL SIZE	12.00	HR
02	TRUCK, PICKUP	11.00	HR
03	TRUCK, 34 TO 1 TON LIGHT DUTY	12.00	HR
04	TRUCK, 34 TO 1 TON 4X4	13.00	HR
05	TRUCK, UTILITY/SERVICE BODY	14.00	HR
06	TRUCK, DUMP UP TO 15,000 GVWR	24.65	HR
07	TRUCK, DUMP OVER 15,000 UP TO 20,000 GVWR	28.12	HR
08	TRUCK, DUMP OVER 20,000 UP TO 40,000 GVWR	42.35	HR
09	TRUCK, DUMP TANDEM AXLE OVER 40,000 GVWR	68.00	HR
10	TRUCK, STAKE OR FLATBED UP TO 10,000 GVWR	17.45	HR
11	TRUCK, STAKE OR FLATBED OVER 10,000 UP TO 20,000 GVWR	26.10	HR
· 12	TRUCK, STAKE OR FLATBED OVER 20,000	42.00	HR
13	TRUCK, FLATBED OVER 32,500 GVWR	54.00	HR
14	TRUCK, TRACTOR SINGLE AXLE	37.00	HR
15	TRUCK, TRACTOR TANDEM AXLE	40.15	HR.
16	TRUCK, SEWER/CULVERT/CATCH BASIN/ CLEANER (VAC-ALL)	82.20	HR
17	SWEEPER, TRUCK MOUNTED	55.89	HR
18	SWEEPER, SELF-PROPELLED	43.71	HR
19	TRUCK, W/STREET FLUSHER	70.16	HR
20	TRUCK, CRANE	28.28	HR
21	TRUCK, EXCAVATOR	64.73	HR
22	TRUCK, REFUSE COLLECTION	30.50	HR
23	TRACTOR, W/SWEEPER	32.68	HR
24	TRACTOR, W/DITCHER	62.12	HR
25	TRACTOR, WHEEL	48.22	HR
26	CHIPPER, BRUSH	36.81	HR
27	TRAILER, TILT	8.04	HR
28	TRAILER, PLATFORM OR GENERAL	10.12	HR
29	TRAILER, LOW BOY TANDEM	20.78	HR
30	JOINT & CRACK SEALING MACHINE	28.55	HR
31	ASPHALT RECLAIMER/RECYCLER MACHINE	135.78	HR
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## CITY OF CHATTANOOGA

## MAXIMUM ALLOWABLE EQUIPMENT RATES

## 2015-2016 FISCAL YEAR

ITEM			
NO	DESCRIPTION OF EQUIPMENT	RATE	UNIT
32	PAVER, ASPHALT SELF-PROPELLED	154.53	HR
33	PAVER, ASPHALT PULL TYPE	7.45	HR
34	DISTRIBUTOR, ASPHALT, PULL TYPE	27.37	HR
35	CHIP SPREADER MACHINE	57.42	HR
36	EXCAVATOR, TRACK TYPE (TRACKHOE)	87.31	HR
37	DRAGLINES AND CRANES	75.99	HR
38	TRACTOR, CRAWLER (DOZER)	98.18	HR
39	MOTOR GRADER	65.30	HR
40	BACKHOE	37.90	HR
41	LOADER, FT END RUBBER TIRED (ARTICULATED) UP TO 1 CU. YD.	32.13	HR
42	LOADER, FT END RUBBER TIRED (ARTICULATED) OVER 1 UP TO 1.5 CY	47.50	HR
43	LOADER, FT END RUBBER TIRED (ARTICULATED) OVER 1.5 CU. YD.	59.71	HR
44	LOADER, FRONT END TRACK TYPE	71.50	HR
45	LOADER, SKID-STEER	58.46	HR
46	PROFILER, MILLING MACHINE	305.76	HR
47.	ROLLER, WALK BEHIND	4.27	HR
48	ROLLER, STEEL WHEEL, 1 TO 5 TONS	88.84	HR
49	ROLLER, STEEL WHEEL, OVER 5 TONS	41.93	HR
50	GENERATOR, PORTABLE	8.30	HR
51	AIR COMPRESSOR, PORTABLE OR PULL TYPE	36.40	HR
52	WELDER, PORTABLE OR PULL TYPE	5.76	HR
53	CONCRETE MIXER, PORTABLE OR PULL TYPE	32.07	HR
54	CURBING MACHINE	65.74	HR
55	PAINT MACHINE, WALK BEHIND	31.57	HR.
56	PAINT MACHINE, TRUCK MOUNTED (LARGE)	84.61	HR
57	THERMOPLASTIC MARKING MACHINE, WALK BEHIND	23.24	HR
58	TRAFFIC LINE REMOVER (WATER BLASTER)	43.68	HR
59	ARROW BOARD, TRAILER OR TRUCK MOUNTED	4.15	HR
60	MESSAGE SIGN, TRAILER MOUNTED	1.14	HR
61	LIGHT TOWER, TRAILER MOUNTED	24.18	HR
62	TRUCK MOUNTED ATTENUATOR	10.00	HR

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## CITY OF CHATTANOOGA

## MAXIMUM ALLOWABLE LABOR RATES

## (To be supplied by the City at this time)

## Beginning July 1, 2015 and ending June 30, 2016

Job Title Classification	Low Rate	High Rate
General Supervisor	20.29	25.69
Equipment Operator 4	13.73	21.61
Equipment Operator 3	12.45	19.60
Equipment Operator 1	10.76	16.93
Crew Supervisor 3	16.69	26.27
Crew Supervisor 2	15.14	23.83
Crew Supervisor 1	12.45	19.60
Crew Worker 3	11.86	18.67
Crew Worker 2	10.25	16.13
Crew Worker 1	9.29	14.63
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## CITY OF CHATTANOOGA

#### MAXIMUM ALLOWABLE MATERIAL RATES

# (To be supplied by the City at this time)

Beginning July 1, 2015 and ending June 30, 2016

## "EXHIBIT B"

Material	Vendor	Price	Unit
Stone	Vulcan Materials	\$ 14.00	ton
CTB (cement treated aggregate based)	Vulcan Materials	\$ 30.00	ton
Emulsion	Hudson Materials	\$ 2.14	gal
Asphalt binder	Southeastern Materials	\$ 65.00	ton
Asphalt topping	Southeastern Materials	\$ 68.00	ton
Asphalt D-mix	Southeastern Materials	\$ 89.00	ton
Asphalt F-mix	Southeastern Materials	\$ 94.00	ton
Wes-col mix	Southeastern Materials	\$ 49.50	ton
Type 1 Portland cement	Buzzi-Unicem	\$ 110.27	í ton
Type 1 Portland cement	Cemex	\$ 118.51	ton
Roller compacted concrete (RCC)	Ready Mix USA	\$ 95.00	ton
Concrete	Sequatchie Concrete	\$ 103.00	ton
River sand	Ramsey Trucking	\$ 29.00	ton
White sand	T. T. Wilson	\$ 26.50	ton
Eucospeed cement	T. T. Wilson	\$ 26.00	ton
Mortar mix	T. T. Wilson	\$ 7.30	bag
Salt	Cargill	\$ 83.49	ton
Salt brine	City Wide Services	\$ 0.25	gal
Water	Tennessee Water Company	\$ 3.64	1,000 gal.
Glass beads	Swarco	\$ 16.75	50 lb. bag
White paint	Ennis Paint	\$ 411.40	55 gal. bag
Yellow paint	Ennis Paint	\$ 413.50	55 gal. bag
Thermoplastic (white)	Crown Technology	\$ 675.00	ton
Thermoplastic (yellow)	Crown Technology	\$ 725.00	ton

\*Prices subject to change per vendor increases

# from Fage 3/19/15

#### **RESOLUTION NO. 27977**

A RESOLUTION AUTHORIZING THE MAYOR TO ENTER INTO A CONTRACT WITH THE TENNESSEE DEPARTMENT OF TRANSPORTATION FOR THE MAINTENANCE OF STATE HIGHWAYS WITHIN THE CITY LIMITS OF CHATTANOOGA FOR REIMBURSEMENT TO THE CITY, FOR AN AMOUNT NOT TO EXCEED THREE HUNDRED SEVENTY-EIGHT THOUSAND NINE HUNDRED NINE DOLLARS (\$378,909.00).

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, it

is hereby authorizing the Mayor to enter into a contract with the Tennessee Department of Transportation for the maintenance of state highways within the City limits of Chattanooga for reimbursement to the City, for an amount not to exceed \$378,909.00.

ADOPTED: August 5, 2014

/mem

### CONTRACT BETWEEN THE STATE OF TENNESSEE, DEPARTMENT OF TRANSPORTATION AND CITY OF CHATTANOOGA (HAMILTON)

This Contract, by and between the State of Tennessee, Department of Transportation, hereinafter referred to as the "Department" and City of Chattanooga (Hamilton), hereinafter referred to as the "Agency" is for the provision of the routine maintenance of state routes, as further defined in the "SCOPE OF SERVICES."

Contract #: CMA 1568

### A. SCOPE OF SERVICES:

- A.1. The Agency shall provide all service and deliverables as required, described, and detailed herein and shall meet all service and delivery timelines as specified by this Contract.
- A.2. Tenn. Code Ann. § 54-5-201 provides that the Department is authorized to enter into contracts with municipalities regarding the improvement and maintenance of streets over which traffic on state highways is routed.
- A.3. Tenn. Code Ann. § 54-5-202 provides that streets constructed, reconstructed, improved and maintained by the Department shall be of a width and type that the Department deems proper, but the width so constructed, reconstructed, improved and maintained shall not be less than eighteen feet (18'); and, in the case of resurfacing and maintenance, from curb to curb where curbs exist, or the full width of the roadway where no curbs exist.
- A.4. Tenn. Code Ann. § 54-5-203 provides that the Department is authorized to enter into contracts with municipalities that are organized to care for streets to reimburse, subject to the approval of the Department, for improvements and maintenance.
- A.5. Tenn. Code Ann. § 54-16-106 provides that the highway authorities of the state, counties, cities, and town are authorized to enter into agreements with each other respecting the improvement and maintenance of controlled-access facilities, defined by Tenn. Code Ann. § 54-16-101 as a highway or street specially designed for through traffic, and over, from or to which owners or occupants of abutting land or other persons have no right or easement of access from abutting properties.
- A.6. Tenn. Code Ann. § 54-5-139 provides that the Department may enter into a contract with a qualified county to perform maintenance activities upon the rights-of-way of state highways located outside of municipalities and metropolitan governments; and, that the reimbursement shall be on an actual cost basis.
- A.7. The Department is hereby contracting with the Agency for the improvements and maintenance specified in Attachment "Exhibit A" titled "Guidelines Covering Maintenance of State Highways through Municipalities," attached and incorporated hereto as part of this Contract.

### B. CONTRACT PERIOD:

This Contract shall be effective for the period beginning July 1, 2014, and ending on June 30, 2015. The Agency hereby acknowledges and affirms that the Department shall have no obligation for services rendered by the Agency which were not performed within this specified contract period.

## C. PAYMENT TERMS AND CONDITIONS:

C.1. <u>Maximum Liability</u>. In no event shall the maximum liability of the Department under this Contract exceed THREE HUNDRED AND SEVENTY-EIGHT THOUSAND, NINE HUNDRED AND NINE

DOLLARS AND NO CENTS (\$378,909.00). The payment rates in Section C.3 shall constitute the entire compensation due the Agency for all service and Agency obligations hereunder regardless of the difficulty, materials or equipment required. The payment rates include, but are not limited to, all applicable taxes, fees, overheads, and all other direct and indirect costs incurred or to be incurred by the Agency.

The Agency is not entitled to be paid the maximum liability for any period under the Contract or any extensions of the Contract for work not requested by the Department. The maximum liability represents available funds for payment to the Agency and does not guarantee payment of any such funds to the Agency under this Contract unless the Department requests work and the Agency performs said work. In which case, the Agency shall be paid in accordance with the payment rates detailed in Section C.3. The Department is under no obligation to request work from the Agency in any specific dollar amounts or to request any work at all from the Agency during any period of this Contract.

- C.2. <u>Compensation Firm</u>. The payment rates and the maximum liability of the Department under this Contract are firm for the duration of the Contract and are not subject to escalation for any reason unless amended.
- C.3. <u>Payment Methodology</u>. The Agency shall be compensated based on the payment rates herein for units of service authorized by the Department in a total amount not to exceed the Contract Maximum Liability established in Section C.1.
  - a. The Agency's compensation shall be contingent upon the satisfactory completion of units, milestones, or increments of service defined in Section A.
  - b. The Agency shall be compensated for said units, milestones, or increments of service based upon the payment rates provided in Attachments "Exhibit A" titled "Guidelines Covering Maintenance of State Highways through Municipalities" and if included herein "Exhibit B" containing the maximum allowable labor and equipment rates, attached and incorporated hereto as part of this Contract.
- C.4. <u>Travel Compensation</u>. The Agency shall not be compensated or reimbursed for travel, meals, or lodging.
- C.5. <u>Invoice Requirements</u>. The Agency shall invoice the Department only for completed increments of service and for the amount stipulated in Section C.3, above, and present said sworn invoices within the time specified in Section C.6 below and no more often than monthly, with all necessary supporting documentation, to:

Christopher Smith District Operations Supervisor State of Tennessee Department of Transportation P.O. Box 22368 Chattanooga, TN 37422-2368

- a. Each invoice shall clearly and accurately detail at a minimum all of the following required information (calculations must be extended and totaled correctly).
  - (1) Invoice Number (assigned by the Agency);
  - (2) Invoice Date;
  - (3) Contract Number (assigned by the Department);
  - (4) Customer Account Name: Tennessee Department of Transportation, Maintenance Division;
  - (5) Customer Account Number (assigned by the Agency to the above-referenced Customer);
  - (6) Agency Name;
  - (7) Agency Tennessee Edison Registration ID Number;
  - (8) Agency Contact for Invoice Questions (name, phone, and/or fax);

- (9) Agency Remittance Address;
- (10) Description of Delivered Service that shall detail the work performed by activity, including the quantified units of measure as identified in the Attachments, and work location that corresponds to the request for reimbursement of each activity submitted;
- (11) Complete Itemization of Charges, which shall detail the following:
  - i. Service or Milestone Description (including name & title as applicable) of each service invoiced,
  - ii. Number of Completed Units of Measure as applicable for each service invoiced, as provided in Exhibit A,
  - iii. Applicable Payment Rate (as stipulated in Section C.3.) of each service invoiced,
  - iv. Amount Due by Service, and
  - v. Total Amount Due for the invoice period; and
- (12) Any further information requested by the Department.
- b. The Agency understands and agrees that an invoice under this Contract shall:
  - include only charges for service described in Contract Section A and Exhibit A, and in accordance with payment terms and conditions set forth in Contract Section C;
  - (2) only be submitted for completed service and shall not include any charge for future work;
  - (3) not include sales tax or shipping charges; and
  - (4) initiate the timeframe for payment only when the Department is in receipt of the invoice, and the invoice meets the minimum requirements of this Section C.5.
- C.6 <u>Timely Invoice</u>. The amount(s) per compensable increment (detailed in Section C.3) shall be contingent upon the Department's receipt of an invoice (as required in Section C.5.) for said service(s) within sixty (60) days after the end of the calendar month in which the service(s) were rendered. At the sole discretion of the Department, the amount per compensable increment of any service for which the Department receives an invoice later than prescribed herein shall be subject to a reduction in amount of up to 100%. In the case of an untimely invoice, before any payment will be considered by the Department, the Agency must submit a written request regarding the untimely invoice, which shall detail the reason the invoice is untimely as well as the Agency's plan for submitting all future invoices no later than prescribed herein, and it must be signed by an individual empowered to bind the Agency to this Contract.
- C.7. <u>Payment of Invoice</u>. A payment by the Department shall not prejudice the Department's right to object to or question any payment, invoice, or matter in relation thereto. A payment by the Department shall not be construed as acceptance of any part of the work or service provided or as approval of any amount invoiced.
- C.8. <u>Invoice Reductions</u>. The Agency's invoice shall be subject to reduction for amounts included in any invoice or payment theretofore made which are determined by the Department, on the basis of audits conducted in accordance with the terms of this Contract, not to constitute proper remuneration for compensable services.
- C.9. <u>Deductions</u>. The Department reserves the right to deduct from amounts, which are or shall become due and payable to the Agency under this or any contract between the Agency and the State of Tennessee any amounts, which are or shall become due and payable to the State of Tennessee by the Agency.
- C.10. <u>Prerequisite Documentation</u>. The Agency shall not invoice the Department under this Contract until the Department has received the following documentation properly completed.
  - a. The Agency shall complete, sign, and present to the Department an "Authorization Agreement for Automatic Deposit (ACH Credits) Form" provided by the Department. By

doing so, the Agency acknowledges and agrees that, once said form is received by the Department, all payments to the Agency, under this or any other contract the Agency has with the State of Tennessee shall be made by Automated Clearing House (ACH).

b. The Agency shall complete, sign, and present to the Department a "Substitute W-9 Form" provided by the Department. The taxpayer identification number detailed by said form must agree with the Agency's Federal Employer Identification Number or Tennessee Edison Registration ID referenced in this Contract.

### D. STANDARD TERMS AND CONDITIONS:

- D.1. <u>Required Approvals</u>. The Department is not bound by this Contract until it is signed by the contract parties.
- D.2. <u>Modification and Amendment</u>. This Contract may be modified only by a written amendment signed by all parties hereto and approved by both the officials who approved the base contract and, depending upon the specifics of the contract as amended, any additional officials required by Tennessee laws and regulations.
- D.3. <u>Termination for Convenience</u>. The Department may terminate this Contract without cause for any reason. Said termination shall not be deemed a breach of contract by the Department. The Department shall give the Agency at least thirty (30) days written notice before the effective termination date. The Agency shall be entitled to compensation for satisfactory, authorized service completed as of the termination date, but in no event shall the Department be liable to the Agency for compensation for any service which has not been rendered. Upon such termination, the Agency shall have no right to any actual general, special, incidental, consequential, or any other damages whatsoever of any description or amount.
- D.4. <u>Termination for Cause</u>. If the Agency fails to properly perform its obligations under this Contract in a timely or proper manner, or if the Agency violates any terms of this Contract, the Department shall have the right to immediately terminate the Contract and withhold payments in excess of fair compensation for completed services. Notwithstanding the above, the Agency shall not be relieved of liability to the Department for damages sustained by virtue of any breach of this Contract by the Agency.
- D.5. <u>Subcontracting</u>. The Agency shall not assign this Contract or enter into a subcontract for any of the services performed under this Contract without obtaining the prior written approval of the Department. If such subcontracts are approved by the Department, each shall contain, at a minimum, sections of this Contract pertaining to "Conflicts of Interest," "Nondiscrimination," "Records," "Monitoring," and "State and Federal Requirements," (as identified by the section headings). Notwithstanding any use of approved subcontractors, the Agency shall be the prime contractor and shall be responsible for all work performed.
- D.6. <u>Conflicts of Interest</u>. The Agency warrants that no part of the total Contract amount shall be paid directly or indirectly to an employee or official of the State of Tennessee as wages, compensation, or gifts in exchange for acting as an officer, agent, employee, subcontractor, or consultant to the Agency in connection with any work contemplated or performed relative to this Contract.
- D.7. <u>Nondiscrimination</u>. The Agency hereby agrees, warrants, and assures that no person shall be excluded from participation in, be denied benefits of, or be otherwise subjected to discrimination in the performance of this Contract or in the employment practices of the Agency on the grounds of handicap or disability, age, race, color, religion, sex, national origin, or any other classification protected by Federal, Tennessee State constitutional, or statutory law. The Agency shall, upon request, show proof of such nondiscrimination and shall post in conspicuous places, available to all employees and applicants, notices of nondiscrimination.
- D.8. <u>Records</u>. The Agency shall maintain documentation for all charges under this Contract. The books, records, and documents of the Agency, insofar as they relate to work performed or money

received under this Contract, shall be maintained for a period of three (3) full years from the date of the final payment and shall be subject to audit at any reasonable time and upon reasonable notice by the Department, the Comptroller of the Treasury, or their duly appointed representatives. The financial statements shall be prepared in accordance with generally accepted accounting principles.

- D.9. <u>Monitoring</u>. The Agency's activities conducted and records maintained pursuant to this Contract shall be subject to monitoring and evaluation by the Department, the Comptroller of the Treasury, or their duly appointed representatives.
- D.10. <u>Progress Reports</u>. The Agency shall submit brief, periodic, progress reports to the Department as requested.
- D.11. <u>Strict Performance</u>. Failure by any party to this Contract to insist in any one or more cases upon the strict performance of any of the terms, covenants, conditions, or provisions of this Contract shall not be construed as a waiver or relinquishment of any such term, covenant, condition, or provision. No term or condition of this Contract shall be held to be waived, modified, or deleted except by a written amendment signed by the parties hereto.
- D.12. Independent Contractor. The parties hereto, in the performance of this Contract, shall not act as employees, partners, joint venturers, or associates of one another. It is expressly acknowledged by the parties hereto that such parties are independent contracting entities and that nothing in this Contract shall be construed to create a employer/employee relationship or to allow either to exercise control or direction over the manner or method by which the other transacts its business affairs or provides its usual services. The employees or agents of one party shall not be deemed or construed to be the employees or agents of the other party for any purpose whatsoever.

The Agency, being a Tennessee governmental entity, is governed by the provisions of the Tennessee Government Tort Liability Act, *Tennessee Code Annotated*, Sections 29-20-101 *et seq.*, for causes of action sounding in tort. Further, no contract provision requiring a Tennessee political entity to indemnify or hold harmless the Department beyond the liability imposed by law is enforceable because it appropriates public money and nullifies governmental immunity without the authorization of the General Assembly.

- D.13. <u>Department Liability</u>. The Department shall have no liability except as specifically provided in this Contract. The Department does not assume any liability for damages caused to persons or property by reason of the Agency performance of this Contract. The Department assumes no liability for injury to any person or employees of the Agency performing work under this Contract.
- D.14. <u>Force Majeure</u>. The obligations of the parties to this Contract are subject to prevention by causes beyond the parties' control that could not be avoided by the exercise of due care including, but not limited to, natural disasters, riots, wars, epidemics, or any other similar cause.
- D.15. <u>State and Federal Compliance</u>. The Agency shall comply with all applicable State and Federal laws and regulations in the performance of this Contract.
- D.16. <u>Governing Law</u>. This Contract shall be governed by and construed in accordance with the laws of the State of Tennessee. The Agency agrees that it will be subject to the exclusive jurisdiction of the courts of the State of Tennessee in actions that may arise under this Contract. The Agency acknowledges and agrees that any rights or claims against the State of Tennessee or its employees hereunder, and any remedies arising therefrom, shall be subject to and limited to those rights and remedies, if any, available under *Tennessee Code Annotated*, Sections 9-8-101 through 9-8-407.
- D.17. <u>Completeness</u>. This Contract is complete and contains the entire understanding between the parties relating to the subject matter contained herein, including all the terms and conditions of the parties' agreement. This Contract supersedes any and all prior understandings, representations, negotiations, and agreements between the parties relating hereto, whether written or oral.

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- D.18. <u>Severability</u>. If any terms and conditions of this Contract are held to be invalid or unenforceable as a matter of law, the other terms and conditions hereof shall not be affected thereby and shall remain in full force and effect. To this end, the terms and conditions of this Contract are declared severable.
- D.19. <u>Headings</u>. Section headings of this Contract are for reference purposes only and shall not be construed as part of this Contract.

## E. SPECIAL TERMS AND CONDITIONS:

- E.1. <u>Conflicting Terms and Conditions</u>. Should any of these special terms and conditions conflict with any other terms and conditions of this Contract, these special terms and conditions shall control.
- E.2. <u>Communications and Contacts</u>. All instructions, notices, consents, demands, or other communications required or contemplated by this Contract shall be in writing and shall be made by certified, first class mail, return receipt requested and postage prepaid, by overnight courier service with an asset tracking system, or by EMAIL or facsimile transmission with recipient confirmation. Any such communications, regardless of method of transmission, shall be addressed to the respective party at the appropriate mailing address, facsimile number, or EMAIL address as set forth below or to that of such other party or address, as may be hereafter specified by written notice.

### The Department:

Christopher Smith District Operations Supervisor State of Tennessee Department of Transportation P.O. Box 22368 Chattanooga, TN 37422-2368 Christopher.Smith@tn.gov Telephone # 423 510 1254 FAX # 423 510 1155

The Agency: Tony Boyd Asst. Director of Operations City of Chattanooga (Hamilton) 900 East 11<sup>th</sup> Street Chattanooga, TN 37403 Boyd\_tony@chattanooga.gov Telephone # 423 757 5336 FAX # 423 757 5350

All instructions, notices, consents, demands, or other communications shall be considered effectively given upon receipt or recipient confirmation as may be required.

E.3. <u>Subject to Funds Availability</u>. The Contract is subject to the appropriation and availability of State of Tennessee and/or Federal funds. In the event that the funds are not appropriated or are otherwise unavailable, the Department reserves the right to terminate the Contract upon written notice to the Agency. Said termination shall not be deemed a breach of Contract by the Department. Upon receipt of the written notice, the Agency shall cease all work associated with the Contract. Should such an event occur, the Agency shall be entitled to compensation for all satisfactory and authorized services completed as of the termination date. Upon such termination, the Agency shall have no right to recover from the Department any actual, general, special, incidental, consequential, or any other damages whatsoever of any description or amount.

- E.4. MUTCD. In accordance with Tenn. Code Ann. 54-5-108, the Agency shall conform to and act in accordance with the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) as adopted by rules of the Department. Particularly, the Agency shall sign work-zones associated with this Contract in accordance with the aforesaid MUTCD.
- Ë. 5. Maintenance. Nothing contained in this Contract shall change the maintenance obligations governed by the laws of the State of Tennessee, it being the intent of this Contract not to enlarge the present maintenance obligations of the Department.

IN WITNESS WHEREOF,

**CITY OF CHATTANOOGA (HAMILTON):** 

AGENCY SIGNATURE

bula

PRINTED NAME AND TITLE OF AGENCY SIGNATORY (above)

APPROVED AS TO FORM AND LEGALITY

AGENCY ATTORNEY SIGNATURE

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION:

AUG 2 0 2014 DATE

JOHN SCHROER, COMMISSIONER

APPROVED AS TO FORM AND LEGALITY

John H. Reinbold, General Counsel **DEPARTMENT GENERAL COUNSEL** 

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### "EXHIBIT A"

### GUIDELINES COVERING MAINTENANCE OF STATE HIGHWAYS THROUGH MUNICIPALITIES

The following items where applicable are eligible for reimbursement by the State to the Municipalities under our Standard Maintenance Agreement:

Activity	Maintenance Work Type	Unit Of Measure
401	Manual Spot Patching	Tons
402	Crack Repair	Pounds
404	Mechanical Continuous Patching	Tons
405	Milling	Square Yards
406	Surface Replacement	Tons
411	Concrete Pavement Repair	Cubic Yards
412	Concrete Joint Repair	Linear Feet
425	Grading Unpaved Surface (Shoulder)**	Linear Miles
427	Patching Unpaved Surface (Shoulder)**	Tons
435	Machine Mowing**	Acres
438	Debris Removal**	Man Hours
441	Litter Removal**	Roadway Miles
446	Mechanical Sweeping and Street Flushing	Miles
447	Manual Roadway Sweeping	Man Hours
460	Plowing Snow	Lane Miles
461	De-icing Salt and/or Sand for Snow & Ice Removal	Tons
463	Anti-icing (Salt Brine)	Gallons
470	Pavement Markings	Line Miles
471	Specialty Markings	Each

Work must be inside the area eligible for reimbursements as detailed in "CITY MAINTENANCE ROADWAY TYPICAL SECTIONS".

The following items are the responsibility of the Municipalities and are not eligible for State maintenance reimbursement:

- 1. Crosswalk Striping
- 2. Mowing right-of-way back of curbs or beyond edge of paved surface on roadway segments which are not access controlled.
- 3. Litter from right-of-way back of curbs or beyond edge of paved surface on roadway segments which are not access
- controlled.
- 4. Storm drainage
- 5. Traffic control signs and signals and any other traffic control or monitoring devices.
- 6. Street lighting
- 7. Street name signs
- 8. Tree removal and vegetation control on right-of-way back of curbs or beyond edge of paved surface on roadway segments which are not access controlled.
- 9. Sidewalks

NOTE:

- 1. Major resurfacing when generally required will be performed by the Tennessee Department of Transportation as a construction project, in accordance with a program developed after consultation with the municipalities.
- 2. The Department of Transportation will furnish and maintain route markers through the Municipalities.
- 3. The Department of Transportation assumes responsibility for maintaining everything inside the right-of-way fences on the Interstate System of Defense Highways with its own forces, except lighting systems. (Chapter 54-5-206, Tennessee Code Annotated.) Rev. 5-11-04.

#### Rev. 4-3-14

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#### ROADWAY SURFACE INVENTORY FOR THE MAINTENANCE OF STATE HIGHWAYS THROUGH MUNICIPALITIES

The following Table itemizes the current roadway surface area to the nearest whole square yard which will be routinely maintained, swept, or flushed by the Municipality under the terms of this contract. The Department agrees to reimburse said City in the amount actually expended for street maintenance, excluding machine mowing and litter removal, not to exceed the calculated maximum reimbursement below.

Approved Maximum Reiminusement Per Square Yard:	\$91.15
Total Readway Surface Area (YD*2):	2526010
Calculated Maximum Reimbursement (Rotalway Sarface):	3,378,909,00
Randway Surface Inventory Warkshoet	الا

Street Name Action Crossing Roundey Description Mindhui Wijdth (ft.) Rdwy. Profile Type Fad Log MDe Relaby (yel.^2) Beg Log Mile Castrol Wielth (IL) i.ength (ft.) Arus (yd.^2) SR.002 CUMMINGS HWY. MARION-HAMILTON COUNTY LINE NO. BEGIN IĆ 0.76 1013 6.942.93 CUMMINGS HWY SR002 CHANGE COAN BY HALLS RID BT īČ NO 0.76 1.78 5.38 28 16,755.20 SR002 CUMMINGS HWY CHANGE CHANCES ST. LT. NO 1.78 1.95 M 3. 399.93 ю 粉箱 -SKOUZ CUMMINGS HWY. CHANGE ĩc NO: 1.95 2.01 317 44 1541.80 . SR002 CUMMINGS HWY. CHANGE ١D NO 2.07 68 2.193.60 2.DE 317 SK002 CUMMINGS HWY. CHANGE RAMPTOL 24 WHI INS RT. ŇO IF 2.07 2.21 7.19 56 15 1,132 5.831.47 CUMMINGS HWY. SR 092 CHANGE RAMP TO/TROM 1-241-B 16 NO 2.21 2.32 76 12 5,67R.53 581 774 \$2002 CUMMINGS HWY CHANGE SK-IS BIRMINCHAM HWY. RT. Ĩ. N() 2.12 2.15 158 80 12 211 1.619.00 SR 002 CUMMINCS HWY CHANGE NU H. 2.15 2.41 422 70 3,285.31 SR002 CUMMINGS HWY CHANGE 10 NO 72 2.956.80 2.43 25 170 SR On 2 CUMMINGS HWY. CHANGE CWS RT. NO 10 2.5 2.62 614 62 4 364 80 SR002 CUMMINOS HWY, CHANGE LOOKOUT VALLEY VILLAGE NT. H. NO 2.62 169 370 56 2.299.73 SB(6)2 CUMNINGSHWY CHANCE 1E NÖ 2.69 2,73 216 48 1.126.40 --SRID? COMMON BWY CHANGE CHIMYRTLE AVE 1.T. NO 2.73 .58 1D 2.86 4.423.47 646 -. SR 002 CUMMINGS HWY CHANOL CONTULIPAVE. RT. & LT. iC NÖ 2.86 3.08 1.162 1.227.73 56 . 58:002 CUMMINGS HWY. CHANGE COM ASTOR AVE AT & LT. 1 24 3.08 845 TD. NO 61 6.007.47 SR002 CUMMINOS HWY CHANGE RAMP FROM 2199 WAUHATCHIE PK. RT. 10 ïr 3.24 3.31 720 43 1.765.87 SROUZ CUMMINGS HWY CHANGE. COM DREW RD. UT. 1C NO 3.31 3.4 475 м 1,745,20 5181202 CUMMINGS HWY CHANGE 10 NO 3.4 3.52 6,14 56 . 1.942.40 SR002 CUMMINGS HWY, CHANGE 1¢ NO 3,52 3.57 264 68 1.994.67

SR002	4-3-14 CUMMINOS HWY.	CHANGE		łC	NO)	3.57	1.64	370	68			2,792.53
58001	CUMMINGS HWY,	CHANGE	BRIDGE LUSER0020005E LOOKOUT CRUBE	- ID	NO	3.64	174	528	68	:		1.989,13
Sk002	CUMMINOS HWY,	CHANGE	END OF BRIDGE	- ic	NO	3.74	3.82	423		<u>+</u>	— <u> </u>	3,191,47
58,002	CUMMINGS HWY	CHANGE		īč	NO	3.82	3.89	170	42			1.724 80
SR002	CUMMINGS HWY.	CHANGE	SR-NK WAUHATCHIE PK. RT.		NO	3,89	4.02	686				4,423,47
SRING	CUMMINGS HWY,	CHANGE	C027 AL FORD HS J. DR. RT.		NO	4.02	4.1		<u> </u>			2440,59
		CHANGE		IC N	NO	4.1	4.84	3.997			·	17,799.47
SK001	CUMMINGS HWY					4.84	5.56	1802	40			16.896.00
SR002	CUMMINGS HWY.	CHANOH	33580020009: LOOKOUT MOUNTAIN CK	w								1.032.53
SR(D)	CUMMINGS HWY.	CHANGH		37	-NO	\$.56	5.6					2.792.53
SR002	CUMMINGS HWY.	CHANCE		ж	NO	5.6	5.74	<u>7</u> 78				
58002	CUMMINGS HWY.	CHANGE	ANGI DED WAUNATCHIK PK. RT.	iD	NO.	\$ 74	5.81	370	28	-		1,149.87
SR802	CUMMINGS HWY.	CHANGE	ASSI ST, FLMO AVE, RT. & LT.	ιυ	MO	5.84	5,94	686	52		-	,1,965,87
SRIM2	BRUAD ST.	CHANGE	SR-17 TENNESSEE AVE. RT.	1D	NR)	5.44	6.55	121	60			21,472.90
58002	BROAD ST.	CHANGE	AGO WELLAMS ST. RT.	HE .	NO	6.55	6.71	1, 18-2	.52	14	1.807	8.518.47
SR002	BROAD ST.	CHANGE		ib	NU	6.77	7.09	1.696	59			11.076.27
58002	BROAD ST.	CHANGE		มา	NO	7.09	7.15	317	80		-	2.816.00
5R002	BROAD ST.	CHANOE	······································	1F	NO	7,15	7.17	106	88			1,032,53
SROUP	BROAD ST.	CHANGE	RAMP FROM 1-24 KT.	16	NO	7.17	7.27	528	100		-	5,865.67
SKOOZ	BRITAD ST.	CHANGE	BAMP TO L-21 RT	IF	NO	7.27	7.5	15#	86		· ·	1.5(3.60
SR042	BROAD ST.	CHANGE		in	NG	7.3	7.41	.581				3.872.00
SR/002	W. 2011B ST.	CHANOE	5345 W. 207H ST. LT.	IE	NO	2.41	7,46	2/-4				2,464,00
58.072	W. 20TH ST	CHANGE	AMA COWART ST. RT. & LT.	IK.	NO	7.46	7.91	2.534		18	5.069	24,217,80
SR002	WASHINGTON ST.	CHANGE	A626 SITH ST. E. LT.	IF.	NO	7.94	8.09	792				7.920.00
58.002	8, 23(d) 5T.	CHANGE	WASHINGTON ST.	IK -	NO	8.09	R.24	792				5.00B.00
SRONZ	E. 23RD ST.	CHANGE	OVERHEAD 1335K02700071: CSXT	34	NO	8.24	8.37	686	64			5,186.13
SRON2	E ZWDST.	CHANGE		ie	NO	8.37	8,49	634	76	15	1.056	6,406.40
58002	F. 21RD ST.	CHANGE	4417 CENTRAL AVE 3.7.	IK	NO	8,49	8.50	528	- 68	- 18	439	4.928.33
SR002	E 234D ST.	CHANGE	SR.27 KOSSVILLE BLVD. KT	10	NO	8,59	10.1	7,973		<del></del> †		56.695.47
5R002	DODES AVE	CHANGE	3557 DODDS AVE, KT.	10	NO	10.1	10,15	254	70	<del></del> +		2.053.33
58.002	DODDS AVE	CHANGE	<u> </u>	ID ID		10.15	10.61	2.429	.76	<del></del>		9,715.20
SR/62	DODDS AVE.	CHANGE	4985 E. MAIN ST. KT.		NO	10.61	10.68	<u></u>				2.299,73
SRU02	IXERIX AVE.	CHANGE	A342 E. 14TH ST. KT.	- in	NO	10.58	101	3,325				19,548,80
		CHANGE			NO	11.35	µ.33	196				774.40
SR002	MCCALLIE AVE	CHANGE	4118 GLENWOOD AVE. FRONT		NO	11.33	11.48	792	52			4.5%.00

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RN02	MCCATLE AVE	CHANGE		IE	NO	11.48	11.53	264	72	i#	52R	2.6-MESO
Skou2	MCCALLINAVE.	CHANGE		1E	NO	11.53	11.66	886	78	18	1.373	7_321.86
SK002	MCCALLIN AVE	CHANGE	MCCALLE TUNNEL	ŧE	NO	\$1.66	11.81	2948	-48			4,787-20
SR002	BRAINFRD RD.	CHANGE.	FND OF MCCALLIE TUNNEL	10	NO	11.83	12.35	2,746	70			21.354,67
SROR2	BRAINERD RD	CHANGE	B274 VISTA DR. RT.	0	NO	12.35	12.47	6.34	80			5,632.00
SRDUZ	BRAINERI) RD.	CHANGE	GERMANTOWN RD	10	NO	12.47	13.04	3,010	67			22.404 80
SROOZ	BRAINERI) RÍJ	CHANGE	3611 BHJ.VOIR AVE. KT.	10	NO	13,64	13.33	6351	- 58			9,867.73
5R002	BRAINERD RD.	CHANGE	RAMP FROM B248 MARLINGRO AVE. RT.	1D	NO	13.33	13.44	581	71		-	4.581.87
SKOUZ	BRAINERD RD.	CHANGE	BIOB SEQUENA 791. LT.	10	NO	13.44	13.8	1.901	71			14,995.20
SR(02	BRAINERD RD	CHANGE.	3578 S. MAXINE RD. RT. & N. MCORE RD. LT.	10	NO	13.8	14.77	5.122	72			40,972.80
SRUUZ	BRAINFRI) KD.	CHANGE	ENTRANCE TO BRAINERD VILLAGE RT.	10	NO	14.77	14.94	898	86			8,577.67
SRON2	BRAINERD RD.	CHANGE		10	NO	14.94	15.02	422	86			4.0%6 27
58002	HRAINFRD RD	CHANGE		10	NO	15.02	15.28	1_373	71			10.829.87
SR002	LEE HWY.	CHANGE	1052 JUBILEE DR. 1.7	10	NO	15.28	13.41	685	70			5_31R.67
5R002	LEE HWY.	CHANGE			NO	15,41	15.74	1.954	70			15,194,67
SK002	DEHWY.	CHANGE	RAMP TO 3605 CHECKAMAUGA RD. RT.	10	NO	15.78	16.14	1,901	70 66			13,039,20
Sken2	I.E. HWY.	CHANGE	BOOR PROVIDENCE ST. RT.	10	Ĺ		16,39					
SK092	DERWY.	CHANGE	DOCREPROVIDENCE SE. KI.	L	NO	10.14		1.329	23	· · ·		12,906-67
SR002	LEEHWY	1		10	NO	16.39	16.75	L.903	તંમ	·	-	14,361.60
SR002		CHANGE	BAG PERIMETER DR. RT.	1£	NO	14.75	16.82	370	80	·		3.531.73
	LEE HWY.	CHANGH		18	NO	16.82	16.87	264	90	-		2540.00
SH COD2	LEE HWY.	CHANOE		IE .	N()	16.87	16.9	158	86	-		1,513.60
SR 002	LIKE HWY.	CHANGE	RAMP TO SE-IST STATE HWY. 153 KT.	ίΕ.	NK)	16.9	17.02	634	96	·	-	6,758,40
54(102	LEE HWY.	CHANGE	RAMP FROM SR-153 STATE HWY, 153 RT.	IG	NO	17.02	17.06	211	104	30	704	2,581.33
\$1002	LEE HWY.	CHANGE		нg	NO	17.06	17.11	264	80	30	<b>\$10</b>	3.226.67
SR 002	LEEHWY.	CHANOK	HINT CUSTOMER DELIGHT DR. RT.	115	NO	17.11	17.24	646	72	30	2.288	7.779.20
SKOOZ	LEEHWY,	CHANGE		1F	NO	17.24	17.35	581	64	20	1.291	5.421.43
SR002	LEE HWY.	CHANGE		10	NO	17.35	17.47	6,14	72		·····	5,068,20
SR002	LEE HWY.	CHANGE		10	NO	17.47	UN CH	4.382	64			31,163,73
SR002	DEE HWY.	CHANGE		10	NO	0.3	18.41	581	86			5,549,87
SIC OKI2	LEE HWY.	CHANGE	3580 SHAELOWRORD RD. 8T. & LT.	n -	NO	18.41	18.46	264	76		· · · ·	2.229.33
5R002	ERE HWY.	CHANGE		10	NO	18.45	JIL SA	422	76			3.566.93
SKOU2	DEF.HWY,	CHANGE		10	NO	18.34	18.64	528	<del></del>			1,754,67
SK602	LFE HWY.	CHANGE	<u>├────</u>	ID	NO	18,64	18.68	201	50	······		1.173.33
SK002	LEE HWY.	CRANCE	ESIOCHNTER ST. RT.	IC	NO	18.68	18.81					2.521 81
		l		1	1	1				1		

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KOO2	IEF.RWY.	CHANGE	ESTA ST. STEPHENS PL, 1.T.	10	N)	18.81	14	1,00,1	48			5.350.40
8002	DEF RWY.	CHANGE		ю	NO	19	19.05	.317	38			1.337.60
RON2	LEB RWY.	CHANGE	ESO7 ROMIN DR. LT.	1D	NO	19.06	19.28	L162	50		· ·	6,453,33
R(X)2	LEP, RWY.	CHANCH	3604 STANDIFTE GAP RD. MT. & LT.	10	NO	19.28	1932	1,267	52	· ·	· ·	7,321.64
8002	DE HWY.	CHANGE.		10	NO	19.52	19.88	1.901				8,448,00
KON2	LEF, HWY.	CHANGE:	FATT TYNER RD. NT. & LT.	10	NO	19,88	20.06	956)	48			5.068.80
RODZ	CEF. HWY.	CHANGE;	H474 WALKER RD, RT. & UT.	a)	NO	20.06	20.29	1.214	- 64	·		K.6.15.73
R002	LER HWY.	CHANOR	P902 YERHY DR. RT.	1D	NO	20.29	20,34	264	64		•	1,877.39
SRUG2	LEF, HWY.	CHANGE	SR-MT HONNY OAKS DR. CT.	18	NO	20.34	20,4	317	80	f		2.816.00
5R0U2	CRE HWY	CHUNGE	<u></u>	IP.	NO	20.4	30.53	686	104		-	7.931.73
SKOO2	DB, HWY.	CHANGE	UNDERPASS, 1-75	10	NO	20.53	20,54	53		—†		536.27
SRUU2	LEE HWY.	CHANGE	175 RT. & I.T. / CHYDER OF OVERHEAD	18	NO	20.54	20,58	251	102			2.393.60
SHOTZ	LFF. HWY.	CHANOF,	<u> </u>	1 <b>C</b> .	NO -	20.58	20,64	- 3(7	- QH			3,449,60
SR002	IEE HWY.	CHANGE	RAMP FROM 1-75 NH LNS. RT.	15	NO	20.64	20,7	317	76			2675.20
SR402	LEE HWY.	CHANGE	<u> </u>	R	NU	20.7	MEI	- 686	- 42			7,016.53
SHOD2	RENWY.	CHANOL	J976 LETTLE DEBBIE PKWY, RT.	10	NO	20.83	20,94	54				4_388.27
58(812	1.5E BWY.	CHANGE	RELOCATION DR. PRIVATE	IC	NK)	20.94	21.54	3.168	68	м	11,968	35,904.00
SKOU2	LEE RWY.	CHANCE		ie	NO	21,54	21.62	422	48	<u></u> {		2.252.90
58002	LEE HWY.	END	LPAVE CHATTANKIGA URBAN HOUNDARY	TA .	NO	21.62	22,748	\$.956				21,176.32
SROUR	WESTSHIP: DR.	BHGIN	Bachman Tebrs	UE	ND	5.05	5.25	1,036	28			3.285.33
SROUS	WESTSIDE DR.	CHANOL		ie.	NO	5.25	5.26	53	- 44			238.13
SROOR	WESTSIDE DR.	CHANGH	Begin Rouslabout	IK -	NO	5.26	5.28	106	30		619	962.00
_		CHANGE	Find Roandatout		NO NO	5.28	5.33					1,114.67
SROUP	WESTSIDE DR.	CHANGE	1.(R) Thremwell(4))	10	NO	5.33	5.44	581				1,097.69
SROOM				10	NO	5.44	3.58	739	48	<u> </u>		3,942,40
SKOUN	WESTSIDE DR.	CHANGE.			NO	5.58	3.61	158				915.20
SROOK	WESTSHOE OR	CHANGE		10 10	1	5.61	3.68	520	56	·····		2.299.73
5R00# _	WESTSIDE DR.	CHANGE	LINEDERIPASS [73]00240345]: 1-24	1E	NO			264				1525.0
SR008	WESTSIDE DR.	CHANGE		ai	NO	5.68	5.73					22,809.60
SROOS	E. MAIN ST.	CHANGE	SR-2 HORDES AVE. RT.	10	NO	3.73	6.81	5.702	36			4,787.20
SRAKR.	E. MAIN ST.	CHANGE		HD	NO	6.81	6.98	898	48	-		
SPOOR	E MAIN ST.	CHANGE	GRADE CRUSSING Belline	ID	NO	6.98	7.34	L.901	36	· · ·		7,60.1.20
SROOM	H. MAIN ST.	CHANGE		HÐ.	NG	7.14	7,47	686	-14	·		3,664).80
SRIKM	E. MAIN ST.	CHANGE	UNDERPASS Deficits Yard	1B	NO	7,47	7.5.3	317	62			2.182.40
SRUM	E. MAIN ST.	CHANGE	· · · · · · · · · · · · · · · · · · ·	10	NO	7.53	7,908	1,996	42	•		9_313.92

SKLAR	E. MAJN ST.	CHANGE	AGI6 BALDWIN ST. RT.	10	NK)	7.908	7.966	306	.18	- 1	-	1.293.91
SKOW	E. MAIN ST.	CHANGE	AND ROSSYRUE AVE RT. A.LT.		NO	7.966	8,09	655	43		•	3, [28, ]]
58 005	W. MAIN ST.	CHANGE	SR-27 MARKET ST. RT. & I.T.		NO	8.09	8.2699	945	46	· · ·		4.830.61
SRAW	W. MAIN ST.	CHANGE	AMI COWART ST. RT. & I.T		NO	B.269	8.33	122	- 46			1,6-16-19
SROTE	HROAD ST.	CHANGE	PICK UP SR-17		NK)	1.0	8.4%	876	55			\$.156.27
SRCER	BROAD ST.	CHANGE	5714 LITH ST. W. LT.		NE2	8,4%6	2.64	760	62	<del> </del>		5.231,76
SECON	HROAD ST.	CHANGE	A420 W. 12TH ST. KT. & LT	IF.	NO	8.64	8.787	Tie	52	12	1.0.15	5,319,48
SROOM	BROAD ST.	CHANGE	5783 W. HTH ST. LT.		NO	8.787	8.91	649	56			4.040.96
SKOOS	M.J., KING HLVD.	CHANGE	90 DHG. KT. TUAN	- 10	NO	1.91	8,96	254				2.112.00
SKOOS	MARKET ST.	CHANGE	90 DEC. LT, TU'RN	- iD	NO	8.96	9.23	1,426	62			9,829.80
SROOM	MARKET ST.	CHANGE	3550 E. 6TH ST. RT. & W. 6TH ST. I.T.	10	NO	9.23	¥.648	2.207	73			17.901.55
SROOM	MARKET ST.	CHANGE	12939 IST ST. H. RT.	- 10	NO	9.648	9_68		56			1.051_31
SKOOR	MARKET ST.	CHANGE	Market Super Bridge		NO T	9.68	10.05	2,006	36			8.025.60
SROOM	MARKET ST.	CHANGE	END OF OVERHEAD & BRIDGE	10	NO	10.06	10,14	422				2381.33
SROOM	CHEROKLE BLVD.	CHANGE	90 OEG, LT, TEUNN	10	NO	10,14	10,28	734	- 60		-	4.928.00
SROOK	CHEROKEE BLVD.	CHANGH		10	NG	10.28	10.42	7.89	- 00		-	4.928.00
SROOS	CHEROKEE M.VD.	CHANGE		10	NO	10.42	10.56	739	- ~		-	5,256.53
SROOM	CHEROKEE BI VD.	CHANGE		10	NO	10.56	10.82	1,373				9.152.00
SKOR	СНЕВОЖАЕ И УЛ	CHANGE		- 11	NO	19,82	11.05	1,373	60			9.152.00
SROOM	CHEROKHE BLVO.	CHANGH			NO	11.00	11.14	317	68			2,9340
SRUER	CHEROKKE HUVD,	CHANGE	Begin Stringer's Kidge Tannel	10	NO	1634	11.2	317	25			880.00
SKOAR	CHEROKKE BLYD.	LEAVE CL	Find Stringer's Kidge Twrnet	-Tic	NO	11.2	11.253	280	.50			1.554.67
SKOON	SIGNAL MOUNTAIN RD.	ENTHR CI.	Finiter City Flumits	10	NO	12,507	13.796	6.273	88			61,344,11
SROOM	SIGNAL MOUNTAIN ND.	CHANGH	A054 RUSSELL AVE. RT.	10	ND	13.796	13.96	866	78			7,112,21
SROOM	SIGNAL MOUNTAIN BLVD.	CHANOR	SR-27 SUCK CRFEK RD. LT.	10	NO	13.96	14.04	422	46			2,158.93
SRIOR	SIGNAL MOUNTAIN BLVD.	CHANGE		ic	NO	14.04	15.3	6,653	.35		·····	25.872.00
SROOS	SIGNAL MOUNTAIN BLVD	CHANGE		ю	NO	185	13.44	734				2.386.87
Sitems	SIGNAL MOUNTAIN HI, VO.	CHANGE	CINUSUNSET DR. RT.	- 10	NO	15.44	15.65	E.109	.36			4.4.35.20
SROOB	SIGNAL MOUNTAIN BLVD.	END	LEAVE CHATTANIXKA	TC .	NO	15.65	15.781	692	28			2,151.89
SR017	ST. ELMO AVE.	HECIN	GASTATELINE	10	NO	10	0.903	4.768				13,892,80
SROIT	ST. HI MO AVE	CHANGH	A717 W. 47TH ST. RT. 4 1.T.	10	N/J	0.903	1.7	4.208				15,832,64
SR017	OCHS HWY.	CHANGE	PICKUP SR SBOCHS HWY 13.	- m	NO	1.7	1.77		30		-	1.232.00
SROI7	TENNESSEE AVE.	CHANGE	LEAVE SE-SETENNESSES AVE. RT.	10	NO	1.77	1.8.2	264	36		· · ·	1.0%6.00
SR017	TRANESSEE AVE.	CHANGE	ARST ST. FLMO AVE. LT.	10	NO	1.82	1.92	528			····· ··	2.112.00

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EXHIBIT A

Rev.	TENNESSEL AVE	CHANGE	A854 38TH ST. W. LT.	11D	NO NO	1,92	2.08	845	36	· · · ·	•	3.379.20
			AR18 371H ST. W. RT. & LT.		NO	2.08	2,22	739		<u> </u>		2,956,80
SR017	TENNESSEE AVE.	CHANGE		1			[			<u> </u>		10.513.07
SR017	BROAD ST.	CHANGE	ALONG SR-2 RT. KIR 1.47 MILES	10	NO	2.22	2.54	1,0490	56			
SRUIT	s. will nw st.	CHANGE	ALONG SR-8 RT. FOR 2.12 MILES	ŵ	NO	2.54	2.58	211	- 11		•	1.032,53
Sko17	S. WILLOW ST.	CHANGE		10	NO	2.58	3.28	3,696	41	- ·		16,837,33
58017	N. WILLOW ST.	CHANGE	SHIB MCCALLIE AVE RT. & TT	TID T	NO	3.28	3.34	317	3.91			1,337,60
58017	N. WILLOW ST.	CHANOE	A704 OAK ST. RT. & J.T.	ID	NO.	3.4	3.59	1.320	42	-	-	6.160.00
SR617	N WILLOW ST.	CHANGE	A679 E 4TH ST. RT.	10	NO	3.59	,1.65	117	39	·	•	1,372,10
SR017	E. JRIJ ST.	CHANGE	VE DEG. RT. TEIRN	- w	NO	3.65	170	739	58		•	4 763, 73
SROL7	IXIDSON AVE.	CHANGE	90 DHC: LT. TURN	1D	NK)	3,79	4.09	1,584	in [			5.280.0p
SR617	DODSON AVE.	CHANGE		10	NO	4.09	4.53	2.323	-48			12.390,40
SR017	DODSON AVE	CHANGE	8567 CONALY ST. IT.	10	NO	4_53	5.57	5.491	.10			18.364.00
588(7	GLASS ST.	CHANGE	HARDY FERMENTARY SCHROLLET.	10	NO	\$57	8.67	16,368	46		- · -	83.658.67
58.017	GLASS ST.	CHANCE	· · · · · · · · · · · · · · · · · · ·	10	NO	8.67	8.72	254	.18		-	1.791.33
58017	GLASS ST.	CHANGE	SR-JL7 RONNY OAKS DR. RT.		190	8.72	8.8	+22	\$6			2.158.93
58017	GLASS ST.	END	SRI533JVERHEAD/HEGIN/SR058	10	NO	8.8	8.93	686	48	28	1, 983	5,643,80
		BEGIN	ENTER OTV LIMITS	Tic	NO	1.967	2.07	544		<u> </u>		2,658,77
SR027	SUCK CREEK RI)		PRICE OF LIMITS			2.07		H0.932		<u>+</u>		21.981.13
SR027	SUCK CREEK RD.	CHANOR		TC	NO			1 1				664.80
SR027	SUCK CREEK RD.	CHANCE		- m	NO	3.97	1	158	38	·		
SR 027	MARKET ST.	CHANGE	ALLING SH & RT. POR 4.99 MILES	ю	1413	4	4.06	317	67	-	-	2,358,40
SK027	MARKET ST.	CHANGE	3565 W, JOTH ST. RT. & F. 1011H ST. LT	113	NO	4,06	4.03	370	67	-		2.751.47
5R027	MARKET ST.	CHANGE	3566 W, 12TH ST. RT. & 3566 E, 11TH ST. ET.	19	NK)	4.13	4.21	422	50		•	2_346.67
SR027	MARKET ST.	CHANGH.	PEDESTRIAN CRUSSWALK	10	NO	4,21	4.32	581	60			3.872.90
58027	MARRET ST.	CHANGE		u i	NO	4,12	4.44	6.14	- 14			4,505,60
SR027	MARKET ST.	CHANGE	5714 UTH ST. W. RT.	10	NO	4.44	4.57	685	56		······································	4.270.93
SR027	MARKET ST.	CHANGE	CHATTANOGA CHOU CHOU LT	ID -	NO	4,57	4.641	375	48			1,999,76
58027	MARKHT ST.	CHANGE	A605 P. 14TH ST. 13.	10	NO	4.641	4.72	417	- 59			2,734,45
\$8.027	MARKETST	CHANGE	<u> </u>	IE	NO	4.72	4,47	(320			1.173	8.213,00
		CHANGH		LD -	NO	4,97	5.02	264	60			1.760.00
58.071	MARKET ST.		ALCHG SR 2 LT. FOR 9 19 MILES	- 10	NO	5.02	5.42	2.112				16.661.33
SR077	ROSSVILLE NOVD	CHANGE	ALAND AK2 LL FOR URY MILES		.j	5.42	5.46	211		+		1_501,87
SR027	ROSSVILLE HLVD.	CHANOE		10	NO		1				<u> </u>	774,40
SR 027	ROSSVILLE BLVIL	CHANGE	+ 24: OVERHEAD	1K	NO	5.46	5,48	106	66			4,106,67
58017	ROSSVILLE NUVD.	CHANGE		18	NO	5,48	5.58	528	70			
58027	BUSSYOLE BLVD	CHANGE		цк	NO	5.58	3.63	244	68	- 1		1.994.67

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SR027	ROSSVELE BLVD.	EN9	GA STATE LINIZ CITY LIMITS	HD -	NO	3.60	7.93	12.144	72	- [	•	97,132.00
SHOAR	BIRMINGHAM HWY,	RHGIN	2199 WAUHATCHIE PK. RT	IC	NO	0.303	1.05	3.944	24		-	10.517.76
SRD38	HIRMINGHAM HWY.	CHANGE	CSX UNDERPASS [335R0380001]	IC	NO	1. <b>05</b>	1,97	4.858	24			12,953.60
SROJA	RIRMINGHAM HWY,	CHANGH	·····	10	NO	1,97	2.1	686			-	2,745.60
SROW	HIRMINOHAM HWY.	CHANOE	CULVERT: NRANCH	ю	NO	2.1	2.58	3,062	- 24			9,567.73
SROW	BIRMINGHAM HWY.	CHANGE	C386 MODERN INDUSTRIAL PKWY, RT.	æ	NO	2.68	2.78	528	34	{		1,994.67
SPELIER	RIRMINGHAM HWY.	CHANGE	<u></u>	IĆ	NO	2.78	2.89	581	45			2.968.53
SRIDIS	BIRMINGHAM HWY.	HOND	SK-2 CLIMMINGS RWY. RT. & LT.	IC	NO	2.89	2.9,5	317	64			2,252.80
SROSA	OCHS HWY.	AHGIN	GA STATELINE	IC	NO	1.0	1.73	9,240	26			24.691.33
SHEESH	OCHS HWY.	CHANGE		IC	Na	1.75	217	2.26B	26		•	6,406.40
SROSE	TENNESSEE AVE.	CHANGE	ALONG SR-17 LT. FOR 9.07 MILES	10	NO	2.17	2.25	422	.30			1,408,00
SILLER	W. 40TH ST.	CHANGE	90 DEG. 1 EFT TURN	(1)	NO.	2.25	2.37	6.34	36		<u> </u>	2,534.40
SKINS	W. WITH ST.	CHANGE		10	NO	2.37	2.61	1.267				5,04A.90
SR (158	W.40TH ST.	CHANGH	A844 WTH ST. W. LT.	τp	NO	2.61	2.78	898	34			3,390.93
SH (758	AUTON PARK BLVD.	CHANGE	90 DEG. LEFT TURN	מו	NO	2.78	3.1	1.M90	36			6.75L40
SR058	ALTON PARK HLVD.	CHANGE		10	NO	12	3.72	106	36			422.40
SROSS	ALTON PARK HEND	CHANCH	NS UNDERPASS (JJSROSBORT)	- m	NO	3.12	3.35	1.214				4257.50
SROSE	ALTON PARK BLVD	CHANGE	C5#7 W, 33RD ST.	Ð	NO	1.35	3.668	1,679	.36		,	6,716.16
SRIDA	MARKET ST.	CHANGE	SHIPP ST. RT. & ALTON PARK BLVD. LT.	10	NU	3.668	3.77	5,19	~			1.829.76
2841198	MARKET ST.	CHANGE		5D	NO	1.17	3.47	- AR.OL	52			6,101.33
SRUAS	MARKET ST.	CHANGE	· ····································	0	NO	3.97	4,25	L478	64			10.513.07
SRIE	MARKET ST.	CHANGE	A663 25TH SE. E. RT.	- B	NO	4.25	1.29	211	*6	—		2.018.13
SRIER	MARKET ST.	CHANCE			NO	1.29	4.33	211				2.041.60
540.52	MARKET ST.	CHANGH	RAMP TO 1-24 EB LNS, RT.	æ	NO	4.13	1.44	.581	201			6,646,93
SR058	MARKET ST.	CHANGE	RAMP FROM 4-24 WB LNS. UT.	IE	NO	4.44	4.46	106				1.032,53
SRO58	MARKET ST.	CHANGE	RAMP FROM 1-24 WB ENS. RT.	IE	NO	4.46	4.51					2.522.67
SKOSa	MARKET ST.	CHANGE.		10	NO	4.51	4.57	317	78			2.745.50
SRIER	HWY. 58	CHANGE	ALONG SR-27, SR-R, SR-17 FOR 8 ALMILES	IG	NO	4.57	4.65	422	- 48	30	F.408	3,660.80
SROSE	HWY.5K	CHANGE	RAMP FROM SA-153 NB LNS. KT.	IF	NO -	4.65	4.7	264	60		<b>8</b> 80	2.640.00
SKOSK	HWY.58	CHANGE		- нэ	NU	4.7	6.44	9.187	82			80,705.60
SK058	HWY. SK	CHANGE		ŪF	NO	6,44	6.58	739	80	24	1.971	8,541,67
SROSK	HWY.58	CHANGE	<u> </u>	IF	NO	6.58	6,84	1,373	80	24	3,661	15.863.67
5R058	HWY. SR	END	397 CHAMPION RD. LT.	16	NO	6.84	2.03	1.003			2.675	11.257,93
SR 14	Street Name	BEGN	EnterCityLingts	10	NO	1.409	1,9	164	22			400.11

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CV. Lux	4-3-14		SR2Xummings Hwy	110	NO	1.44	7 3.98	13.411	22	- 1	-	32,782.93
_				1	NO	0	0.96	317	76		422	1,097.20
R.116	M.L. KING BLVD.	REGIN	1-124	1H		1					188	1.589.87
UK.716	M.I., KING HI, VD.	CHANGE	BAMP TO 1-124 RT.	16	NO	0.06	( d, l	213	N			
5R316	M.I., KING HI.VD.	CHANGE	A343 PINE ST. 1.T.	ΪE	NO	D.1	0.16	317	74	4	143	2,745.80
SR 356	MT, KING M, VD.	END	3561 BROAD ST. RT. & LT.	1D	NO	0.16	0.23	370	86		•	3,531,73
SR 317	BONNY OAKS DR.	BEGIN	BUNNY OAKS DR /SR-17	1Ċ	NO	p	0,12	634	45		-	3,2,38,40
SR,317	BONNY DAKS DR.	CHANGE	<u> </u>	lc	NO	0.12	0.48	1.901	.12		-	6,758,40
58.1(7	BONNY OAKS DR.	CHANGE		1D	NO	d,48	0.59	581	44			2,8,99,47
SR317	BONNY OAKS DR.	CHANGE.	DART WILSON ST. LT	16	NO	0,59	a.7	581	65	24	L.678	5,937.20
SR317	WONNY OAKS DR	CHANGE	RAMP TO SR-153 SH LNS. RT.	10	NO	19.7	0.77	370	- 53		_	2.176.53
58,117	HONNY OAKS DR.	CHANGE	SRUST / CENTER OF UNDERPASS	ω	NO	0,77	0.83	317	53	<u> </u>		1,865.69
SRUT	BONNY OAKS DR	CHANGE	<u> </u>	10	NO	0.83	0.86	158	59			L.0.3K.40
SK317	BONNY DAKS DR	CHANGE	RANSP FROM SH-153 NR	10	NO	0.86	0,94	422	68	30	1,406	4.599,47
	1	CHANGE		ic	ND	0.94	0.99	264				1,818.67
590,117	BONNY OARS DR			<u>(</u>	NO	899	1.12	040				5.031.60
SR 117	RONNY OAKS DR.	CHANGE		łD			1.739	3.358	62			22.515.09
SR317	HONNY GAKS DR	CHANGE	·	1D	NO	1.02			(			2.014.61
5R317	BONNY OAKS DR.	CHANOR	ENT PRESERVATION DR. RT. & LT.	10	ND	1.739	1.84	533	34	-		
SR)17	HONONY GAKS INC	CHANGE		10	NO	1.84	2.05	1.109	47		-	5,790.40
SR317	BONNY DAKS OR	CHANGE		IC	N()	205	2.58	4,382	34	-	-	(6,355.73
SR 417	BONNY DAKS DR.	CHANGE		ic	NQ	2.88	2.96	422	26	-	-	1.220.27
\$8317	BONNY OAKS DR.	CHANGE	······································	ic	NO	2.96	3.22	1.373	34	-	•	5,186.13
58317	BONNY GAKS DR	CHANGE	······································	ic	NO	3.22	1.28	317	.16		-	1.267.20
SR317	BONNY GAKS DR.	CHANGE	5745 HICKORY VALLEY RD.	ic	NO	3.28	1.35	370	.32	— <u> </u>	-	1314.13
SR317	BUNNY OAKS DR	CHANGE		ic	NO	3.35	3.76	1,901			-	8,021.60
SR 117	BONNY OAKS DR.	CHANDE		ĸ	NÖ	3.71	3.16	264		<u> </u>	-	909.33
		CHANGE		10	NO	1.76	0.805	396	62			2,728.00
SRAUT	BONNY OAKS DR.		5747 VOLKSWAGEN DR. 1.T.	10	NO	1.835	3.89	390		12	387	(613.13
SR3(7	BONNY OAKS DR.	CHANGE	5/47 VOLKSWAUDEDK LT.	к к	NO	3,89	4,47	3,062				12.930.13
<u>58.11</u> 7	RONNY OAKS DR	CHANGE					1	317	32	— <del></del>		1.176-30
58317	BONNY OAKS DR.	CHANGH		ic	NO	4,47	1.5.1					5,256.5)
SR317	BONNY OAKS DR	CHANGE		13	NO	4.53	4.67	7,39	64			897.60
SR.317	RONNY OAKS DR.	CHANGE	EATR COUNTRY LA ET.	10	NO	4.67	47	158	51		-	1,003,73
SR.137	BONNY OAKS DR.	CHANGE		10	HO.	4.7	4,78	422	M		-	
SR.117	AUSON PK.	CHANGE	ALCING SR-2 FRONT & 1-75 FOR 1.71 MILES	10	NO	4.78	4.82	211	72		-	1.649.60
58.117	AMSUN M	CHANGE	END OF OVERREAD	ic	NO	4.82	4.9	422	72		•	3,379,26

SR.117	APISON PK	CHANGE	RAMP TO F75 NB ENS. LT.	IC	NO	149	5.05	792	H2	<u> </u>		Page 10
SR 717	APISON PK.	CHANGE	OVERHEAD [335R317060(); NS	10	NO	5.05	5.14	475	72	····- <u>-</u> ··		3.801.60
SK317	APISCAN PK	FND	4145 OLD LEE, HWY, RT. & E.T.	10	NO	5.14	5.48	1,795	<u>-</u> <u>n</u>			14.361.60
SRAM	WAUHATCHIE PK	REGIN	SR-2 CUMMINOS HWY, RT. & LT.	IC IC	NO		0.2	1.056				2.581.33
5#318	WAURATCHIE PK.	ctect -	SR-148 LEXEKOUT MTN. SCENIC HWY	TA	NO	0.2	1.05	4.188	2(1			9.973.33
58,319	AMNICOLA HWY.	BEGIN	SR-151 STATE HWY. 153 RT, & ET.	16	80	+	0.101	533	63	16	948	4.58(195
58.319	AMNICOLA HWY.	CHANOR	D462 S. ACCESS RD LT.	Ю	NU	0,101	0.26	840	75	13	1.079	8,675,00
SR 3 19	AMINICOLA HWY.	CHANGE		IG	NO	0.26	0.36	328	- 70	16	030	5,045,67
58,319	AMINICOLA HWY.	CHANGE	UNDERPASS (335803800(5); NS	ЪĊ	NO	0.16	1.21	4,488				12,912,00
SR 319	AMNICULA HWY.	CHANGE		ic	NO	1.21	10	475	74	<u> </u>		3.907.20
ŠR.119	AMMCORA HWY.	CHANOF		10	10	13	1.42	6.14	72		-	5.068.90
इस्र ध्यत्र	AMNICOLA HWY.	CHANGE	ENTRANCE TO CHATTAMOODA STATE RT.	îc	NO	1.42	1.58	845	- 72			6.75R.40
SR 319	AMNICOLA HWY.	CHANGE	· · · · · · · · · · · · · · · · · · ·	КĊ	140	1.58	10	1,690	74			13.892.27
SR 119	AMNICIA A HWY.	CHANGE		28	YES	1.0	1.98	422	92	<u> </u>		4.317.87
SR319	DUPONT PKWY,	CHANGE	BEGIN DUPONT PKWY.	2 <b>1</b> 9	YES	1.98	2.16	950	94			9.926.40
\$8.119	DUPONT PKWY,	CHANGE	RAMP 28 FROM SR-319 AMNICULA HWY. RT.	28	YES	2,36	2.22	- 117	196			3,731,20
58.114	DUPONT PKWY,	CHANGE	C. B. ROBINSON BRIDGE	214	YPS	2.22	2.48	1373	106			16.200.53
58.189	DUPCINT PKWY.	CHANGE		28	YES	2.43	2.87	2.059				24,252,89
511.319	DUPONT PKWY.	CHANGE.	RAMP 3A TO N. ACCESS RD. & HEXSON PK.	2B	TYES	2,87	3.12	1,320	- **			14,080,00
SR.389	DUPUNT PKWY.	CHANGE	RAMP S-D FROM 3542 N. ACCESS RD. LT.	28	YES	3.12	11	950				\$.659.20
58,114	DUPONT PXWY	CHANGE	RAMP LC FROM 3542 N. ACCESS RD. LT.	218	YES	3.3	1.9	J.16#	<b>K</b> 2		-	28,864,00
58.319	DUPERT PKWY.	CHANGE		28	YES	3.9	414	1_267				12.953.60
\$2319	DUPONT PKWY.	CHANGE	ALONG SR-153 LT. FOR 0.87 MILES	24	YES	4.14	4.35	1.109	82	200	24,640	34.742.40
58.369	HIXSON PK.	CHANGE	SR-153 STATE HWY, 153 RT. & LT.	10	NO	4.8	4.48	686	64	25	1,907	6.7XR.07
5R319	HIXSON PK.	CHANGH		ai	NO	4.48	4.79	1.6.37	60		·:	10,912.00
5K319	HEXSON PK.	CHANGE	5715 NORTHPOINT BUVD. RT.	1B	NO	4,79	6.36	8.290	M			583.94H,27
SR319	HIKSUN PK.	CHANGE		aie	NO	6.36	6.58	1.162	74			9,558.93
5 <u>R</u> 314	HIX SON PK.	END	LEAVE CHATTANKXIGA CITY LIMITS	ß	NO	6.52	8,155	8316	64			59.136.00
SR 320	K. BRAINEKO RD.	BHCIN	Las Hwy SR 2	IE	NO	0	1,04	211	44			1,032.53
591,320	E BRAINERD RD.	CHANGE		ю	NO	0.04	0.58	2.851	36		·	11.404,80
SR 320	F. BRAINHRD RD.	CHANGE.	WESLEY MEMORIAL UNITED METHODIST	1D	NO	0,54	0.65	376				1.642.67
SR TA	E. BRAINERD RD.	CHANGE		IC	NÖ	0.65	0.8	792	- 26			3.168.00
SR. 120	E. BRAINERD RD.	CHANCH		מו	NO	á.s	0.96	345	26			2.440.53
28,750	E. BRAINERD RD.	CHANGH		(Ď	NO	0,96	1.03	475	38			2.005.40

	······································		Total Length (mi ):	70.5	†	1	-†	Titlal Rundway 5	arface(yd*2):			2.526,060
L389	W. 4TH ST.		SR.8 MARKET ST. RT. & LT.	IE	NO	0.18	0.24	.,117	42	8	282	1,760.40
189	W. 4TH ST.	CHANGE	3561 BROAD ST. RT. & I.T.	1E	NO	8.12	0.18	317	76		•	2,675.20
RQ.	W. 4TH ST.	CHANGE	3559 CHESTNUT ST. RT. & LL	I.B.	TNO T	0.06	0.12	317		· [	·	3,097.66
99	W, 4TH ST.	BHGIN	1-124 RT. & I.T. / CENTER OF UNDERPASS	I.E.	NO	U	0.06	317	48	8	282	1,971.60
ю	H. BRAINERD 80.	END	I BAVE CHATTANIXIGA CITY LIMITS	iC	NO	4.9	5.072	908	26			2,521.57
20	E. BRAINERD RD.	CHANGH		īС	NO	4,81	4.9	475	25	·	-	1.320.00
. <del>12</del> 0	H. HRAINERD BD.	CHANGE		ic	NO	4.12	4,81	475	35		· · ·	1.\$48.00
1320	E. BRAINERD RD.	CHANGE	EM8 GRAYS DR. RT.	1C	NO	4,046	4.72	3,550	26	·	·	10,280.75
2320	E BRAINERD RD	CHANGE		ĸ	NO	3,99	4,046	296	24			788_49
R 320	E. BRAINERD RU	CHANGE		113	NK)	3,95	3,99	211	60	-	· ·	1.408.00
1320	E. BRAINERD RD.	CHANOE	MOT GRAYSVILLE RD. RT.	(1)	N()	3.82	3.95	586	60	<u> </u>		4,576,00
320	E. BRAINERD RD.	CHANGE		10	NO	3.76	3,82	317	71	-	-	2,499,20
320	E. HKAINERO RD.	CHANGE		113	NO	2.67	3.76	5,755	<u>60</u>		•	38,368.00
320	E, RRAINERD RD.	CHANGE	4987 N. GUNBARRES, RO. LT.	-in	NO	2.61	2.67	317	.58	·		2.041.60
320	E. HRAINERIJ RD.	CHANGE	E393 KENMOOR (MURT)	1D	NO	2.4%	2.61	602	70	-		4,58) 68
320	E. BRAINERD RD.	CHANGE	4986 N. CONCORD RD. J.T.	10	NO	1.98	2.4%	2,724	58	· ·		17,557.76
320	E. BRAINTRID RO.	CHANOE	RAMPERON L75 NB LNS. KT.	IC.	80	1,88	1,98	528	Ŷ2	·		5.397,33
1720	E BRAINERD RD.	CHANGE	RAMP FROM 1.75 NB LNS. LT.	IC	NO	1.78	1.88	52R	83	· ·	· · ·	4.928.80
320	E, BRAINERD RD.	CHANGE	RAMP TO 1-75 NB LNS. RT.	1Ċ	NO	1,72	1.78	317	\$6			3,379,20
(320	E. BRAINERD RD.	CHANCH	UNDERVASS [3300750127]: 1-75	к	N2()	1.65	1.72	370	45	·		
(328	E BRAINERD RD.	CHANGE		IC	NO	1.6	1.65	264	92			3,991,33
6320	E BRAINERD RD.	CHANGE	MED HECKORY VALLEY RD. LT.	10	NO	131	1.6	475	94			4,963,20
1120	E, BRAINERD RD.	CHANGE		1C	NO	E42	1.51	475	92	<u> </u>		4.857.60
320	F. BRAINFRD RD.	CHANCE	ROSELAWN DR. RT. & OLENBURY DR. ET	1C	NO	1.365	1.42	290	50	·		1.50.0
320	E BRAINERO RO.	CHANGE	HOIT FRANKLIN DR. LT.	IC	NO	1.149	L.363	1,140	30	· ]		3.801,60
	E. BRAINERD RD.	CHANCH	4995 VANCE RD. F.T.	ID	NC)	1.05	1.139	523	26			

### Rev. 4-3-14

### INVENTORY OF ELIGIBLE MACHINE MOWING FOR THE MAINTENANCE OF STATE HIGHWAYS THROUGH MUNICIPALITIES

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The following Table itemizes the eligible mowing area in acres which will be maintained by the Municipality under the terms of this contract. The Department agrees to reimburse said City in the amount actually expended for machine mowing, not to exceed the number of cycles and the price per acre as detailed below.

			Approved Mowing Reimbursement Per Acre:	\$ 45.00				
			Calculated Maximum Reimbursement (Mowing):	\$ 22,320.00				<u> </u>
Mowing In	wentory Work	sheet		<u> </u>	[		<u> </u>	
Route Number	Roadway Type	Begin Termini (LM)	End Termini(LM)	Median Area (acres)	Controlled Access Area (acres)	Segment Total Area (acres)	Number of Mowing Cycles	Contrac Segment Total Area (acres)
SR002	IE	2,07	2.21	0.25	· · · · · · · · · · · · · · · · · · ·	0.25	6	1.53
SRIM2	IE	2.21	2.32	0.16		0,16	6	0.96
SR002	IE	2.32	2.35	0,04	<u> </u>	0.94	6	0.26
SR602	IE	6.55	6.77	0.37		0.37	6	2.24
SR002	IE	7.46	7.94	1.05	1	1.05	6	6.28
SRIM2	TE	8.37	8.49	0.22	<u>├──</u> ────	0.22	6	1.31
SR002	1E	8.49	8.59	0,19	<u></u>	0.19	6	1.16
SR002	IE	11.48	11.53	0.11	[	0.11	6	0.65
SR082	IE	11.53	11.66	0.28	<u> </u>	0.28	б	1.70
SR002	IG	17.92	17.06	0.15		0,15	6	0.87
SR002	IG	17.86	17.11	0.18		0.18	6	1.09
SR00z	1F	17.11	17.24	0.47		0.47	6	2.84
SR002	IF	17,24	17.35	0.27		0.27	6	1.60
SR002	16	20,94	21.54	2.47		2.47	6	14.84
SROOM	TE	5.26	5.28	0.13	f	0.13	6	0.76
SR008	IE	8.64	8.787	0.21		0.21	6	1.28
SR017	IG	8.8	8.93	0,41	{	(1.4)	6	2.46
SR027	IE	4.72	4.97	0.24		0,24	6	1.45
SR058	IG	4.57	4.65	0.29	<u> </u>	0.29	6	1.75
SR058	1F	4.65	4.7	0.18	<u>├</u>	0.18	6	1.09

01100/							Total Contract Area (acres):	496
SR389	11	0.18	0.24	0.06		0.06	6	0.35
SR389		0	0.06	0.06		0.06	6	0.35
SR319	1G	4.35	4.48	0.39		0.39	6	2.36
SR319	2A	4.14	4.35	5.09	5.55	10.64	6	63.84
SR319	28	3.9	4,14		6.95	6.05	6	36.31
SR319	28	3.3	3.9		15.85	15.85	6	95.13
SR319	28	3.12	3.3	<u> </u>	4.76	4,76	6	28.54
SR319 SR319	28	2.48	3.12	<b>_</b>	12.24	12.24	6	73.45
SR319	2B	2.48	2.87		9,17	9.17	6	55.03
SR319 SR319	28	2.16	2.48		6.11	6.11	6	36.68
SR319 SR319	2B	2.16	2.22		1.41	1.41	6	8.47
SR319 SR319	2B	1.9	2.16		4.49	4.49	6	26.97
SR319	1G	0.26	0.36		0.27	0.27	6	1.63
SR319	16	0.101	0.26	0.55		0.19	6	1.16
SR319	1G	0	0.10]	0.35		0.35	6	2.08
SR317	1G	3.835	]	0.20	<u> </u>	0.20	6	1.18
SR317 -		0.86	0.94 3.89	0.08		0.08	6	0,48
SR317	16	0.59	0.7	0.35		0.33	6	1.75
SR316	IE	0.1	0.16	0.35		0.35	6	2.08
SR316	IE	0.06	0.1	0.04		0.93	6	0.17
SR316	16	Ð	0,06	0.09		0.09	6	0.23
SR058	łF	6.84	7,03	0.55		0.09	6	0.52
SR058	T IF	6.58	6.84	0.76		0.76	6	3.32
SR058	1F	6.44	6.58	0.41		0,41	6	2.44

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### Rev. 4-3-14

### INVENTORY OF ELIGIBLE LITTER REMOVAL FOR THE MAINTENANCE OF STATE HIGHWAYS THROUGH MUNICIPALITIES

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The following Table itemizes the eligible length of litter removal in linear miles which will be maintained by the Municipality under the terms of this contract. The Department agrees to reimburse said City in the amount actually expended for litter removal, not to exceed the number of cycles and the price per linear mile as detailed below.

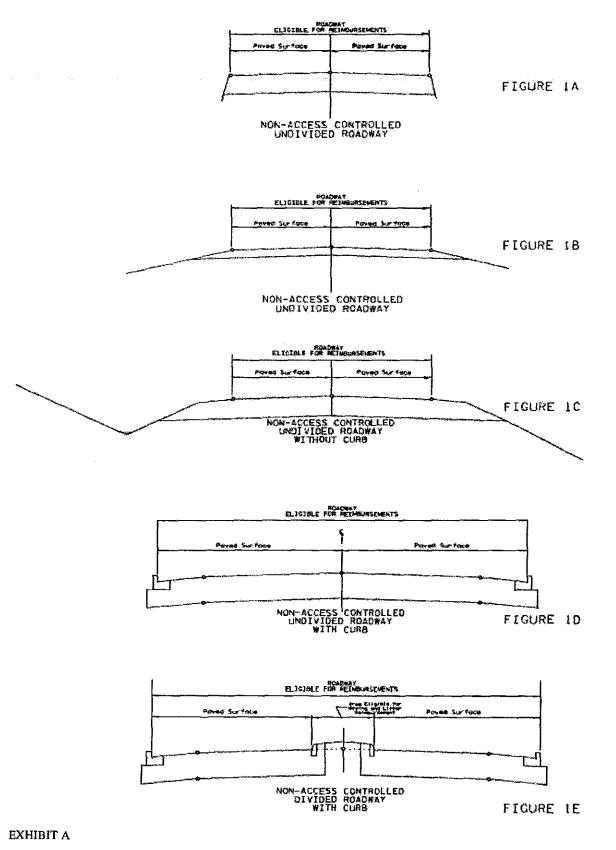
Calculate	d Maximum	Reimbursem	ent (Litter):		···	·····				\$ 5,821.20
I ittau Imu	entory Worl	lushaat			<u> </u>	L	l		[	
				<u> </u>						
Route Namber	Roadway Type	Beginning Termini (LM)	Ending Termini (LM)	Segment Length (ml.)	Litter Pass Miles Per Segnient	Segment Total Litter (mi.)	Price per Litter Mile	Number of Litter Cycles	Contract Segment Total Litter (mi.)	Contract Segment Total Litter (\$)
SR002	1E	2.07	2.21	0.14	1	0.14	\$ 50.00	12	1.68	84
SR002	1E	2.21	2.32	0.11	1	0.11	\$ 50.00	12	1.32	66
SR002	IE	2.32	2.35	0.03	1	0.03	\$ 50.00	12	0.36	18
SR002	IE	6.55	6.77	0.22	1	0.22	\$ 50.00	12	2.64	132
SR002	1E	7.46	7.94	0.48	1	0.48	\$ 50.00	12	5.76	288
SR002	1E	8.37	8.49	0.12	I	0.12	\$ 50.00	12	1.44	72
SR002	1E	8.49	8.59	0.1	1	0.1	\$ 50.00	12	1.2	60
SR002	1E	11.48	11.53	0.05	1	0.05	\$ 50.00	12	0.6	30
SR002	1E	11.53	11.66	0.13	1	0.13	\$ 50.00	12	1.56	78
SR002	IG	17.02	17.06	0.04	1	0.04	\$ 50.00	12	0.48	24
SR002	1G	17.06	17.11	0.05	1	0.05	\$ 50.00	12	0.6	30
SR002	1F	17.11	17.24	0.13	1	0.13	\$ 50.00	12	1.56	78
SR002	1F	17.24	17.35	0.11	1	0.11	\$ 50.00	12	1.32	66
SR002	1G	20,94	21.54	0.6	1	0.6	\$ 50.00	12	7.2	360
SR008	1E	5.26	5.28	0.02	1	0.02	\$ 50.00	12	0.24	12
SR008	1E	8.64	8.787	0.147	1	0.147	\$ 50.00	12	1.764	88.2
SR017	1 <b>G</b>	8.8	8.93	0.13	1	0.13	\$ 50.00	12	1.56	78
SR027	IE	4.72	4.97	0.25	1	0.25	\$ 59.00	12	3	150
SR058	iG	4.57	4.65	0.08	1	0.08	\$ 50.00	12	0.96	48
SR058	1F	4.65	4.7	0.05	1	0.05	\$ 50.00	12	0.6	30
SR058	1F	6.44	6.58	0.14	1	0.14	\$ 50.00	12	1.68	84

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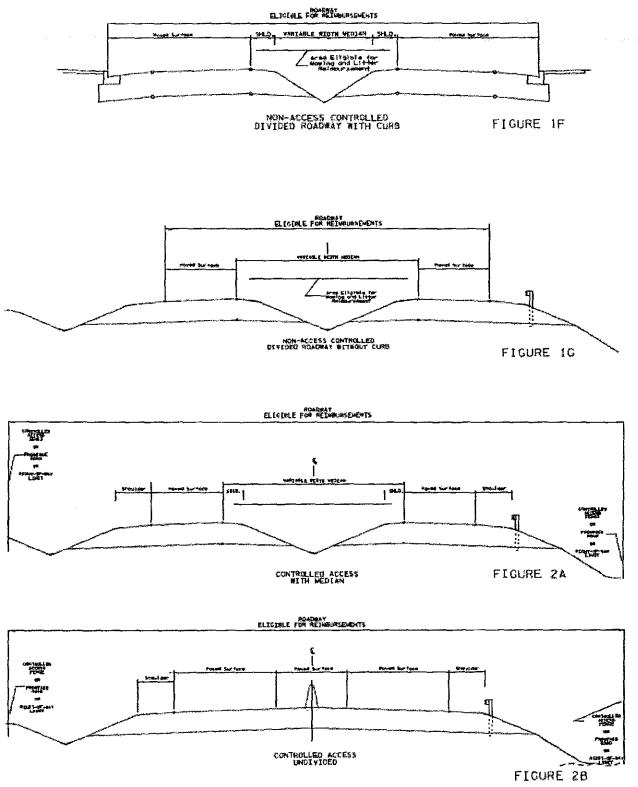
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SR058	1F	6.58	6.84	0.26	1	0.26	\$ 50.00	12	3.12	156
SR058	1F	6,84	7.03	0.19	1	0.19	\$ 50.00	12	2.28	114
SR316	1E	0	0.06	0.06	1	0.06	\$ 50.00	12	0.72	36
SR316	112	0.06	0.1	0.04	1	0.04	\$ 50.00	12	0.48	24
SR316	IE	0.1	0.16	0.06	1	0.06	\$ 50.00	12	0.72	36
SR317	IG	0.59	0.7	0.11	1	0.11	\$ 50.00	12	1.32	66
SR317	1G	0.86	0.94	0.08	1	0.08	\$ 50.00	12	0.96	48
SR317	IG	3.835	3.89	0.055	1	0.055	\$ 50.00	12	0.66	33
SR319	1G	0	0.101	0.101	1	0.101	\$ 50.00	12	1.212	60.6
SR319	1G	0.101	0.26	0.159	1	0.159	\$ 50.00	12	1.908	95.4
SR319	1G	0.26	0.36	0.1	1	0.1	\$ 50.00	12	1.2	60
SR319	2B	1.9	1.98	0.08	2	0.16	\$ 50.00	12	1.92	96
SR319	2B	1.98	2.16	0.18	2	0.36	\$ 50.00	12	4.32	216
SR319	2B	2.16	2.22	0.06	2	0.12	\$ 50.00	12	1.44	72
SR319	2B	2,22	2.48	0.26	2	0.52	\$ 50.00	12	6.24	312
SR319	2B	2.48	2.87	0.39	2	0.78	\$ 50.00	12	9.36	468
SR319	2B	2.87	3.12	0.25	2	0.5	\$ 50.00	12	6	300
SR319	2B	3.12	3.3	0.18	2	0.36	\$ 50.00	12	4.32	216
SR319	2B	3.3	3.9	0.6	2	1.2	\$ 50.00	12	14.4	720
SR319	2B	3.9	4.14	0.24	2	0.48	\$ 50.00	12	5.76	288
SR319	2A	4.14	4.35	0.21	3	0.63	\$ 50.00	12	7.56	378
SR319	1G	4.35	4.48	0.13	1	0.13	\$ 50.00	12	1.56	78
SR389	IE	0	0.06	0.06	1	0.06	\$ 50.00	12	0.72	36
SR389	IE	0.18	0.24	0.06	1	0.06	\$ 50.00	12	0.72	36
Total Co	ntract Lit	ter (mi.):			<b></b>		······································		19.2	\$ 5,821.20

### CITY MAINTENANCE ROADWAY TYPICAL SECTIONS



### CITY MAINTENANCE ROADWAY TYPICAL SECTIONS







# City of Chattanooga

Department of Public Works

# "EXHIBIT B"

June 12, 2014

District 21 Tennessee Department of Transportation Maintenance Superintendent 2 P.O. Box 22368 Chattanooga, Tennessee 37422

RE: Tennessee Department of Transportation Contract with City of Chattanooga for Maintenance of State Highways

Dear Sir:

Attached is the list of present rates for labor (by classification) for all departments and materials. Labor costs reflect current cost for the upcoming contract year 2014-2015 between the City of Chattanooga and the Tennessee Department of Transportation.

The fringe benefits cost of 44.42% is to be added to the labor cost per Exhibit B. The prices of material in Exhibit B are subject to change per vendor increases. If I can be of further assistance to you concerning this matter, please contact me.

Sincerely,

all I Store Donald L. Norris

Administrator, Public Works Department

grb

cc: Donald L. Norris, Administrator James H. Templeton, Director of City Wide Services File

> 900 East 11th Street • Chattanooga, IN 37403 OFFICE: (423) 757-5182 • FAX: (423) 757-5350 *An Equal Opportunity Employer*

# District 21 Maintenance Superintendent 2

### "EXHIBIT B"

# THE CLASSIFICATIONS AND SALARY RATES LISTED BELOW WILL APPLY TO ALL DEPARTMENTS

	Low Rate	High Rate
General Supervisor	20.29	25.69
Equipment Operator 4	13.73	21.61
Equipment Operator 3	12.45	19.60
Equipment Operator 1	10.76	16.93
Crew Supervisor 3	16.69	26.27
Crew Supervisor 2	15.14	23.83
Crew Supervisor 1	12.45	19.60
Crew Worker 3	11.86	18.67
Crew Worker 2	10.25	16.13
Crew Worker 1	9.29	14.63

\*Rates are subject to change per salary increases

# District 21 Maintenance Superintendent 2

# "EXHIBIT B"

Material	Vendor	Price	Unit
Stone	Vulcan Materials	\$ 12.10	ton
CTB (cement treated aggregate based)	Vulcan Materials	\$ 28.00	ton
Emulsion	Hudson Materials	\$ 2.14	gal
Asphalt binder	Southeastern Materials	\$ 63.00	ton
Asphalt topping	Southeastern Materials	\$ 68.00	ton
Asphalt D-mix	Southeastern Materials	\$ 89.00	ton
Asphalt F-mix	Southeastern Materials	\$ 94.00	ton
Wes-col mix	Southeastern Materials	\$ 49.50	ton
Type 1 Portland cement	Buzzi-Unicem	\$ 110.27	ton
Type 1 Portland cement	Cemex	\$ 117.00	ton
Roller compacted concrete (RCC)	Ready Mix USA	\$ 95.00	ton
Concrete	Sequatchie Concrete	\$ 103.00	ton
River sand	Ramsey Trucking	\$ 29.00	ton
White sand	T. T. Wilson	\$ 26.50	ton
Eucospeed cement	T. T. Wilson	\$ 26.00	ton
Mortar mix	T. T. Wilson	\$ 7.05	bag
Salt	Cargill	\$ 83.49	ton
Salt brine	City Wide Services	\$ 0.25	gal
Water	Tennessee Water Company	\$ 3.64	1,000 gal.
Glass beads	Swarco	\$ 16.10	50 lb. bag
White paint	Ennis Paint	\$ 411.40	55 gal. bag
Yellow paint	Ennis Paint	\$ 413.50	55 gal. bag
Thermoplastic (white)	Crown Technology	\$ 675.00	ton
Thermoplastic (yellow)	Crown Technology	\$ 725.00	ton

\*Prices subject to change per vendor increases

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NO	DESCRIPTION OF EQUIPMENT	RATE	UN
01 5	EDAN, POLICE OR FULL SIZE	12.00	H
02 T	RUCK, PICKUP	11.00	H
03 T	RUCK, ¾ TO 1 TON LIGHT DUTY	12.00	H
04 1	RUCK, 34 TO 1 TON 4X4	13,00	Ħ
05 T	RUCK, UTILITY/SERVICE BODY	14.00	H
06 I	RUCK, DUMP UP TO 15,000 GVWR	24.65	H
ד 70	RUCK, DUMP OVER 15,000 UP TO 20,000 GVWR	28.12	н
08 T	RUCK, DUMP OVER 20,000 UP TO 40,000 GVWR	42.35	н
09 T	RUCK, DUMP TANDEM AXLE OVER 40,000 GVWR	68.00	H
10 T	RUCK, STAKE OR FLATBED UP TO 10,000 GVWR	17.45	H
11 1	RUCK, STAKE OR FLATBED OVER 10,000 UP TO 20,000 GVWR	26.10	H
12 T	RUCK, STAKE OR FLATBED OVER 20,000	42.00	H
13 7	RUCK, FLATBED OVER 32,500 GVWR	54.00	H
14 7	RUCK, TRACTOR SINGLE AXLE	37.00	H
15 7	RUCK, TRACTOR TANDEM AXLE	40.15	H
16 1	RUCK, SEWER/CULVERT/CATCH BASIN/ CLEANER (VAC-ALL)	82.20	H
17 S	WEEPER, TRUCK MOUNTED	55.89	H
18 5	WEEPER, SELF-PROPELLED	43.71	£.
19 T	RUCK, W/STREET FLUSHER	70.16	F
20 т	RUCK, CRANE	28.28	H
21 T	RUCK, EXCAVATOR	64.73	F
22 7	RUCK, REFUSE COLLECTION	30.50	£
23 T	RACTOR, W/SWEEPER	32.68	H
24 1	RACTOR, W/DITCHER	62.12	F
25 T	RACTOR, WHEEL	48.22	H
26 0	HIPPER, BRUSH	36.81	F
27 T	RAILER, TILT	8.04	F
28 I	RAILER, PLATFORM OR GENERAL	10.12	F
29 T	RAILER, LOW BOY TANDEM	20.78	H
30 J	OINT & CRACK SEALING MACHINE	28.55	Ĕ
31 A	SPHALT RECLAIMER/RECYCLER MACHINE	135.78	H
32 P	AVER, ASPHALT SELF-PROPELLED	154.53	Ē
33 P	AVER, ASPHALT PULL TYPE	7.45	H
34 D	ISTRIBUTOR, ASPHALT, PULL TYPE	27.37	Ē
35 C	HIP SPREADER MACHINE	57.42	F
36 E	KCAVATOR, TRACK TYPE (TRACKHOE)	87.31	F
37 D	RAGLINES AND CRANES	75.99	F
38 1	RACTOR, CRAWLER (DOZER)	98.18	F
	NTOR GRADER	65.30	H
	ACKHOE	37.90	Ē
	OADER, FT END RUBBER TIRED (ARTICULATED) UP TO 1 CU. YD.	32.13	F
	OADER, FT END RUBBER TIRED (ARTICULATED) OVER 1 UP TO 1.5 CY	47.50	H

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### 2014-2015 FISCAL YEAR

### MAXIMUM ALLOWABLE EQUIPMENT RATES

# CITY OF

## "EXHIBIT B"

### "EXHIBIT B"

### CITY OF

### MAXIMUM ALLOWABLE EQUIPMENT RATES

### 2014-2015 FISCAL YEAR

г	2014-2015 FISCAL YEAR	,	
ITEM NO	DESCRIPTION OF EQUIPMENT	RATE	UNIT
	LOADER, FT END RUBBER TIRED (ARTICULATED) OVER 1.5 CU. YD.	59.71	ER
44	LOADER, FRONT END TRACK TYPE	71.50	HR
45	LOADER, SKID-STEER	58.46	HR
46	PROFILER, MILLING MACHINE	305.76	HR
47	ROLLER, WALK BEHIND	4.27	HR
48	ROLLER, STEEL WHEEL, 1 TO 5 TONS	88.84	HR
49	ROLLER, STEEL WHEEL, OVER 5 TONS	41.93	HR
50	GENERATOR, PORTABLE	8.30	HR
51	AIR COMPRESSOR, PORTABLE OR PULL TYPE	36.40	ĦR
52	WELDER, PORTABLE OR PULL TYPE	5.76	HR
53	CONCRETE MIXER, PORTABLE OR PULL TYPE	32.07	HR
54	CURBING MACHINE	65.74	HR
55	PAINT MACHINE, WALK BEHIND	31.57	HR
56	PAINT MACHINE, TRUCK MOUNTED (LARGE)	84.61	HR
57	THERMOPLASTIC MARKING MACHINE, WALK BEHIND	23.24	HR
58	TRAFFIC LINE REMOVER (WATER BLASTER)	43.68	HR
59	ARROW BOARD, TRAILER OR TRUCK MOUNTED	4.15	HR
60	MESSAGE SIGN, TRAILER MOUNTED	1.14	HR
61	LIGHT TOWER, TRAILER MOUNTED	24.18	ER
62	TRUCK MOUNTED ATTENUATOR	10.00	HR
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