

**CITY OF COLUMBUS
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF DESIGN AND CONSTRUCTION**

CONTRACT

AND

SPECIFICATIONS

FOR

ROADWAY IMPROVEMENTS-LEHMAN RD.
EMERGENCY
PROJECT

Capital Improvements Project No. : 530161-100087

CONTRACTOR: STRAWSER PAVING COMPANY, INC.

MICHAEL B. COLEMAN
MAYOR

Mark Kelsey
DIRECTOR OF PUBLIC SERVICE



CONTRACT

ANY ALTERATIONS OF CONTRACT LANGUAGE WILL RESULT IN REVOCATION OF CITY ATTORNEY APPROVAL.

This Contract, by authority of the Declaration Of Emergency issued by the Mayor of the City of Columbus and approved by the City Auditor (ATTACHED EXHIBIT D) on April 30, 2010, for roadway rehabilitation services associated with the Roadway Improvements—Lehman Rd. Emergency Project, Capital Improvement Project No. 530161-100087, and the “General Plans and Plan Notes identified as 2010 Recycling – Emergency, 1664 Dr. A Lehman Road”, is entered into by and between **Strawser Paving Company, Inc.** (herein referred to as “Contractor”), and the City of Columbus, Department of Public Service (herein referred to as “City”).

WITNESSETH

WHEREAS, the City has an immediate and urgent need for emergency roadway rehabilitation services for a specific section Lehman Road, between Gender Road to Lehman Meadows Drive on the southeast area of the City; and

WHEREAS, the Madison Township Trustees have entered into an agreement with the Contractor for roadway rehabilitation services on a section of Lehman Road within the township limits, that connects to the City of Columbus owned section of Lehman Road; and

WHEREAS, Department of Public Service engineering personnel have negotiated a cost estimate for an extension of the rehabilitation work being performed by the Contractor for Madison Township, and has further determined it to be in the city’s best interest to coordinate the City’s portion of Lehman Road with Madison Townships; and

WHEREAS, the Contractor has the necessary experience and expertise to provide said service; and

NOW, THEREFORE, in consideration of the mutual promises as hereinafter set forth, the parties agree as follows:

ENTIRE AGREEMENT

This Contract sets forth the entire agreement between the parties with respect to the subject matter hereof. Understandings, agreements, representations, or warranties not contained in this Contract, or as written amendment hereto, shall not be binding on either party. Except as provided herein, no alteration of any terms, conditions, delivery, price, quality, or specifications of this Contract shall be binding on either party without the written consent of both parties.

1. Contract Term

The term of this Contract shall be from April 30, 2010 to May 30, 2010. This Contract shall not automatically renew.

2. Maximum Obligation

The maximum amount to be paid under this contract that is being funded by authority of City Purchase Order No. EA007953, shall not exceed Four Hundred Thousand Dollars and 00/100 Cents (\$400,000.00), unless additional funds are appropriated and authorized.

3. Pricing and Scope of Services

The Contractor agrees to perform and invoice the Scope of Services as set forth **ON ATTACHED EXHIBIT A***.

*Contract is NOT valid if the Scope of Services is NOT attached.

During the project it may become necessary to obtain additional services that were not foreseen prior to the development of the original scope of services. The City has provided funding in the amount of \$96,795.27. If it is determined that additional services are required, the City may request a proposal from the Contractor for said services. This contingency shall be utilized only upon issuance of explicit, written authorization of the City’s Contract Manager referenced within Section 6 herein, prior to the work being performed.

No other costs, rates, or fees shall be payable to the Contractor for services performed hereunder. The terms and conditions specified in this Contract constitute the entire contract governing the purchase of services by the City from the Contractor, and shall supersede any terms and conditions which may accompany Contractor’s invoice/bid/estimate. Any and all verbal representations are superseded by this Contract. The terms of this Contract shall prevail over any conflicting or deficient terms or conditions listed in any attachments from Contractor.

4. Equal Opportunity Clause

Contractor agrees to abide by all of the terms, conditions and requirements set forth in Columbus City Code Section 3909.01(B), Equal Opportunity Clause. Failure or refusal of a Contractor or Subcontractor to comply with the provisions of Article I, Title 39, may result in cancellation of this Contract.

5. **Taxes**
Federal or State taxes are not to be included on invoices for the described services. Contractor will be provided an exemption certificate, if needed.

6. **City's Contract Administrator/Contract Administration**
Mr. Carl S. Togni, will manage the Contract on behalf of the City and will be the principal point of contact for the City concerning the Contractor's performance under this Contract.
Any notice or demand or other communication required or permitted to be given under this Contract or applicable law shall only be effective if it is in writing, properly addressed, and either delivered in person, or by a recognized courier service, or deposited with the United States Postal Services as first-class certified mail, postage prepaid and return receipt requested, to the parties at the following addresses: (List names and addresses of City and Contractor contact persons below.)

CITY
Mr. Carl S. Togni
Construction Section Manager
Division of Design and Construction
1800 E. 17th Avenue
Columbus, Ohio 43219

CONTRACTOR
Mr. Mark Pollock
Strawser Paving Company, Inc.
1595 Frank Road
Columbus, Ohio 43223
Phone: 614-276-5273
Email: mpollack@strawserpaving.com

7. **Contractor as an Independent Contractor**
The Contractor shall be and shall remain an Independent Contractor with respect to all services performed hereunder and he/she/it agrees to and does hereby accept full and exclusive liability for the payment of any and all contributions or taxes for Social Security, unemployment insurance or old age retirement benefits, pensions or annuities now or hereafter imposed under any state or federal law which are measured by the wages, salaries or other remunerations paid to the Contractor or persons employed by the Contractor for work performed under the terms of this Agreement and further agrees to obey all lawful rules and regulations and to meet all lawful requirements which are now, or hereafter may be, issued or promulgated under said respective laws.

8. **Applicable Law, Remedies**
This Agreement shall be governed in accordance with the laws of the State of Ohio. All claims, counterclaims, disputes and other matters in question between the City, its agents and employees, and the Contractor arising out of or relating to this Agreement or its breach will be decided in a court of competent jurisdiction within the County of Franklin, State of Ohio.

9. **Payment/Invoice Submittal**
In accordance with Section 329.27, Chapter 329, Title 3, Article 3 of the Columbus City Codes, 1959, as amended and with the approval of the President of the City Council and City Auditor, the improvements to be performed under authority of this Contract have been directed to be accomplished by virtue of the Declaration of Emergency issued April 24, 2010. The Cost of Work shall conform to the pricing structure delineated within the attached Scope of Services as set forth **ON ATTACHED EXHIBIT A.**

For purposes of determining the amount eligible for payment of Force Account Work by the City, the Contractor shall be required to keep complete and accurate books of account showing the Cost of Work and shall provide the following items as documentation of reimbursable project related expenditures, in a form acceptable to the Division of Design and Construction and the City Auditor. The CITY or its representative shall account for all work, and the Contractor, hereby agrees to fulfill the payment provisions contained within the most recent CMSC.

The City will not be subject to any late payment charges. Rates shall be firm during the term of this Contract. The City will process correctly documented invoices for payment and Contractor should receive payment for such invoice thirty (30) days from receipt by the City.

Invoices: All invoices shall be submitted to: Mr. Carl Togni, Section Manager, Division of Design and Construction, 1800 E. 17th Avenue, Columbus, Ohio 43223.

10. **Modifications**
No modification, amendment, alteration, addition or waiver of any section or condition of this Contract shall be effective or binding unless it is in writing and signed by an authorized representative of the City and the Contractor and approved by the appropriate City authorities.

11. **Contract Termination**

If either the City or the Contractor violates any material term or condition of this Contract or fails to fulfill in a timely and proper manner its obligations under this Contract, then the aggrieved party shall give the other party (the "responsible party") written notice of such failure or violation. The responsible party will correct the violation or failure within thirty (30) calendar days or as otherwise mutually agreed. If the failure or violation is not corrected, this Contract may be terminated immediately by written notice from the aggrieved party. The option to terminate shall be at the sole discretion of the aggrieved party.

When it is in the best interest of the City, the City may terminate this Contract, in whole or in part by providing seven (7) calendar days written notice to the Contractor prior to the effective date of termination. If this Contract is so terminated, the City is liable only for payments required by the terms of this Contract for services received and accepted by the City.

12. **Nonexclusive Remedies**

The remedies provided for in this Contract shall not be exclusive but are in addition to all other remedies available under the law.

13. **Survivorship**

All services executed pursuant to the authority of this Contract shall be bound by all of the terms, conditions, prices discounts and rates set forth herein, notwithstanding the expiration of the initial term of this Contract, or any extension thereof. Further, the terms, conditions, and warranties contained in this Contract that by their sense in context are intended to survive this completion of the performance, cancellation or termination of this Contract, shall so survive.

14. **Save Harmless**

Contractor shall protect, indemnify and save the City harmless from and against any damage, cost, or liability, including reasonable attorneys' fees resulting from claim, by third parties for any or all injuries to persons or damage to property arising from intentional, willful or negligent acts or omissions of Contractor, its officers, employees, agents, or Subcontractors.

15. **Severability**

If any term or condition of this Contract or the application thereof to any person(s) or circumstances is held invalid, such invalidity shall not affect other terms, conditions, or applications which can be given effect without the invalid term, condition, or application; to this end the terms and conditions for the Contract are declared severable.

16. **Assignment**

This Contract may not be assigned or otherwise transferred to others by the Contractor without the prior written consent of the City.

17. **Authority to Bind**

The signatories to this Contract represent that they have the authority to bind themselves and their respective organizations to this Contract.

18. **Worker's Compensation**

The Contractor shall comply with all Workers' Compensation laws of the State of Ohio. **Proof of coverage shall be attached to this Contract AS EXHIBIT B.**

20. **Insurance/Indemnity**

Contractor shall carry at least the minimum amounts listed below of Commercial Liability Insurance (Bodily Injury and Property Damage) naming the City as an additional insured. **Contractor must attach a copy of the Certificate of Insurance to this Contract AS EXHIBIT C:**

Bodily Injury Liability:

Each Person \$500,000
Each Accident \$1,000,000

Property Damage Liability:

Each Accident \$500,000
All Accidents \$1,000,000

21. **Campaign Contributions**

Contractor hereby certifies the following: that it is familiar with Ohio Revised Code ("O.R.C.") Section 3517.13; that all applicable parties listed in Division (I) (3) or (J) (3) of O.R.C. Section 3517.13 are in full compliance with Divisions (I) (1) and (J) (1) of that Section; that it is eligible for this contract under the law and will remain in compliance with O.R.C. Section 3517.13 for the duration of this contract and for one year thereafter.

IN WITNESS WHEREOF, the parties have executed this Contract as of the day and year written below.

EXHIBITS A, B, C AND D MUST BE ATTACHED HERETO.

ANY ALTERATIONS OF CONTRACT LANGUAGE WILL RESULT IN REVOCATION OF CITY ATTORNEY APPROVAL.

AGREED:

Department of Public Service

MARK KELSEY MD 4-30-10
Mark Kelsey, Director Date

EBOCO Approval _____
Not Required by Act of Mayor's Declaration of
Emergency

CONTRACTOR

Strawser Paving Company, Inc.

M. P. Makuley 4-30-10
Printed Name and Title Date
Michael P. Makuley Vice President
Federal ID Number: 314412354

Approved As To Form:

[Signature] 4/30/10
City Attorney, Jr. Date

***** FOR INSTRUCTIONAL USE ONLY *****

READ BEFORE COMPLETING YOUR DMA FORM

Forms not conforming to the specifications listed below or not submitted to the appropriate agency or office will not be processed.

- To complete this form, you will need a copy of the Terrorist Exclusion List for reference. The Terrorist Exclusion List can be found on the Ohio Homeland Security Web site at the following address:

<http://www.homelandsecurity.ohio.gov/dma.asp>

- Be sure you have the correct DMA form. If you are applying for a state issued license, permit, certification or registration, the "State Issued License" DMA form must be completed (HLS 0036). If you are applying for employment with a government entity, the "Public Employment" DMA form must be completed (HLS 0037). If you are obtaining a contract to conduct business with or receive funding from a government entity, the "Government Business and Funding Contracts" DMA form must be completed (HLS 0038). The Pre-certification form (HLS 0035) should only be completed if you are specifically instructed to do so by the agency or office requesting the form.
- Your DMA form is to be submitted to the issuing agency or entity. "Issuing agency or entity" means the government agency or office that has requested the form from you or the government agency or office to which you are applying for a license, employment or a business contract. For example, if you are seeking a business contract with the Ohio Department of Commerce's Division of Financial Institutions, then the form needs to be submitted to the Department of Commerce's Division of Financial Institutions. Do NOT send the form to the Ohio Department of Public Safety UNLESS you are seeking a license from or employment or business contract with one of its eight divisions listed below.
- Department of Public Safety Divisions:

Administration	Ohio Homeland Security*
Ohio Bureau of Motor Vehicles	Ohio Investigative Unit
Ohio Emergency Management Agency	Ohio Criminal Justice Services
Ohio Emergency Medical Services	Ohio State Highway Patrol
- * DO NOT SEND THE FORM TO OHIO HOMELAND SECURITY UNLESS OTHERWISE DIRECTED. FORMS SENT TO THE WRONG AGENCY OR ENTITY WILL NOT BE PROCESSED.

***** FOR INSTRUCTIONAL USE ONLY *****

**DECLARATION REGARDING MATERIAL ASSISTANCE
INSTRUCTIONS**



GOVERNMENT BUSINESS AND FUNDING CONTRACTS
 In accordance with section 2909.33 of the Ohio Revised Code

DECLARATION REGARDING MATERIAL ASSISTANCE/NO ASSISTANCE TO A TERRORIST ORGANIZATION

This form serves as a declaration of the provision of material assistance to a terrorist organization or organization that supports terrorism as identified by the U.S. Department of State Terrorist Exclusion List (see the Ohio Homeland Security Division Web site for reference copy of the Terrorist Exclusion List).

Any answer of "yes" to any question, or the failure to answer "no" to any question on this declaration shall serve as a disclosure that material assistance to an organization identified on the U.S. Department of State Terrorist Exclusion List has been provided. Failure to disclose the provision of material assistance to such an organization or knowingly making false statements regarding material assistance to such an organization is a felony of the fifth degree.

For the purposes of this declaration, "material support or resources" means currency, payment instruments, other financial securities, funds, transfer of funds, and financial services that are in excess of one hundred dollars, as well as communications, lodging, training, safe houses, false documentation or identification, communications equipment, facilities, weapons, lethal substances, explosives, personnel, transportation, and other physical assets, except medicine or religious materials.

COMPLETE THIS SECTION ONLY IF YOU ARE AN INDEPENDENT CONTRACTOR

LAST NAME		FIRST NAME		MI
HOME ADDRESS				
CITY	STATE	ZIP	COUNTY	
HOME PHONE		WORK PHONE		

COMPLETE THIS SECTION ONLY IF YOU ARE A COMPANY, BUSINESS OR ORGANIZATION

LAST NAME		FIRST NAME		MI
MAKULEY		Michael		P
BUSINESS/ORGANIZATION NAME			PHONE	
STRAWSER PAVING Co., INC			614-276-5273	
BUSINESS ADDRESS				
1595 FRANK RD				
CITY	STATE	ZIP	COUNTY	
Columbus	OHIO	43223	FRANKLIN	

DECLARATION

In accordance with section 2909.32 (A)(2)(b) of the Ohio Revised Code

For each question, indicate either "yes," or "no" in the space provided. Responses must be truthful to the best of your knowledge.

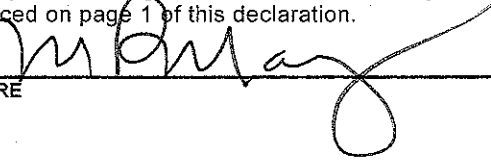
- Are you a member of an organization on the U.S. Department of State Terrorist Exclusion List? Yes No
- Have you used any position of prominence you have with any country to persuade others to support an organization on the U.S. Department of State Terrorist Exclusion List? Yes No
- Have you knowingly solicited funds or other things of value for an organization on the U.S. Department of State Terrorist Exclusion List? Yes No
- Have you solicited any individual for membership in an organization on the U.S. Department of State Terrorist Exclusion List? Yes No
- Have you committed an act that you know, or reasonably should have known, affords "material support or resources" to an organization on the U.S. Department of State Terrorist Exclusion List? Yes No
- Have you hired or compensated a person you knew to be a member of an organization on the U.S. Department of State Terrorist Exclusion List, or a person you knew to be engaged in planning, assisting, or carrying out an act of terrorism? Yes No

In the event of a denial of a government contract or government funding due to a positive indication that material assistance has been provided to a terrorist organization, or an organization that supports terrorism as identified by the U.S. Department of State Terrorist Exclusion List, a review of the denial may be requested. The request must be sent to the Ohio Department of Public Safety's Division of Homeland Security. The request forms and instructions for filing can be found on the Ohio Homeland Security Division Web site.

CERTIFICATION

I hereby certify that the answers I have made to all of the questions on this declaration are true to the best of my knowledge. I understand that if this declaration is not completed in its entirety, it will not be processed and I will be automatically disqualified. I understand that I am responsible for the correctness of this declaration. I understand that failure to disclose the provision of material assistance to an organization identified on the U.S. Department of State Terrorist Exclusion List, or knowingly making false statements regarding material assistance to such an organization is a felony of the fifth degree. I understand that any answer of "yes" to any question, or the failure to answer "no" to any question on this declaration shall serve as a disclosure that material assistance to an organization identified on the U.S. Department of State Terrorist Exclusion List has been provided by myself or my organization. If I am signing this on behalf of a company, business or organization, I hereby acknowledge that I have the authority to make this certification on behalf of the company, business or organization referenced on page 1 of this declaration.

X _____
APPLICANT SIGNATURE



4-30-10 _____
DATE

DECLARATION REGARDING MATERIAL ASSISTANCE FORM

EXHIBIT A
PRICING AND SCOPE OF SERVICES

**CITY OF COLUMBUS
2010 RECYCLING – EMERGENCY, 1664 DR. A
LEHMAN ROAD**



GENERAL PLANS AND PLAN NOTES

**Public Service Department
Division of Design and Construction**

Michael B. Coleman
Mayor

Mark Kelsey
Public Service Director

Hassan Zahran, P.E.
City Engineer/Administrator

CITY OF COLUMBUS
2010 RECYCLING – EMERGENCY, 1664 DR. A
LEHMAN ROAD



GENERAL PLANS AND PLAN NOTES

Public Service Department
Division of Design and Construction

Michael B. Coleman
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City Engineer/Administrator

City of Columbus – Public Service Department – Division of Design and Construction
2010 RECYCLING – EMERGENCY, 1664 DR. A

LEHMAN ROAD

<u>Index of Sheets</u>	<u>Page No.</u>
Street List with Dimensions	1
Street List with Improvements	2
Estimate of Quantities	3
Detail Drawings	4 - 7
• Lehma Road Recycling Drawing (4 Sheets)	
Specifications / Standard Drawings	-
Location Maps	Numbered Separately 1
General Notes	Numbered Separately 1 - 15
Maintenance of Traffic Notes	Numbered Separately 1 - 10
Lehman Road - Project Worksheet	Numbered Separately 1 - 2

CITY OF COLUMBUS
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN SECTION
RECYCLING 2010 EMERGENCY, 1664 DR. A
STREET LIST WITH DIMENSIONS

ID	REJ. AGENT	EYE BROW STREET	FROM	TO	ZONE	PAVEMENT DIMENSIONS		
						WIDTHS	LENGTH	AREA (SY)
6156	-	LEHMAN RD	GENDER RD (EEP)	181' E/ LEHMAN MEADOWS DR (CO	4	18 - 24	5,082	11,013
STREET COUNT: 1						5,082	11,013	

CITY OF COLUMBUS
 DIVISION OF DESIGN AND CONSTRUCTION
 DESIGN SECTION

RECYCLING 2010 EMERGENCY, 1664 DR. A
 STREET LIST WITH IMPROVEMENTS

ID	STREET	FROM	TO	IMPROVEMENTS
6156	LEHMAN RD	GENDER RD (EEP)	181' E/ LEHMAN MEADOW	402 OVERLAY (1-1/2") FULL DEPTH RECLAMATION PLANING
				404 OVERLAY (1-1/2") MAINTAINING TRAFFIC WATERPROOFING
				BERM MAINTAINING TRAFFIC

STREET COUNT: 1

CITY OF COLUMBUS
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN SECTION

RECYCLING 2010 EMERGENCY, 1664 DR. A, LEHMAN ROAD RECYCLING
ESTIMATE OF QUANTITIES

REF. NO.	ITEM DESCRIPTION	QUANTITY	UNITS
1	202 WEARING COURSE REMOVED	76	SQ YD
2	203 EXCAVATION	33	CU YD
3	209 LINEAR GRADING (RESHAPING BERM)	10,450	LIN FT
4	251 PARTIAL DEPTH PAVEMENT REPAIR, AS PER PLAN	22	CU YD
5	254 PAVEMENT PLANING (1" TO 3")	929	SQ YD
6	402 ASPHALT CONCRETE (1 1/2")	918	TON
7	404 ASPHALT CONCRETE 1-1/2"	918	TON
8	407 COVER AGGREGATE	30	TON
9	407 TACK COAT, RUBBER	1,102	GALLON
10	408 BITUMINOUS PRIME COAT	2,323	SQ YD
11	409 SEAL COAT BITUMINOUS MATERIAL	697	GALLON
12	409 SEAL COAT COVER AGGREGATE	24	TON
13	411 STABILIZED CRUSHED AGGREGATE	128	CU YD
14	512 TYPE III WATERPROOFING	76	SQ YD
15	519 PATCHING CONCRETE STRUCTURE	137	SQ FT
16	604 MONUMENT BOX ADJUSTED TO GRADE	1	EACH
17	614 MAINTAINING TRAFFIC, BRIDGE WORK, AS PER PLAN	1	LUMP SUM
18	614 MAINTAINING TRAFFIC, LEHMAN ROAD RECYCLING, AS PER PLAN	1	LUMP SUM
19	623 CONSTRUCTION LAYOUT STAKES	1	LUMP SUM
20	SPECIAL FULL DEPTH RECLAMATION	10,937	SQ YD
21	SPECIAL LAW ENFORCEMENT OFFICER	200	HOUR



SCALE 1" = 50'

CONTRACTOR
CNC
#6500

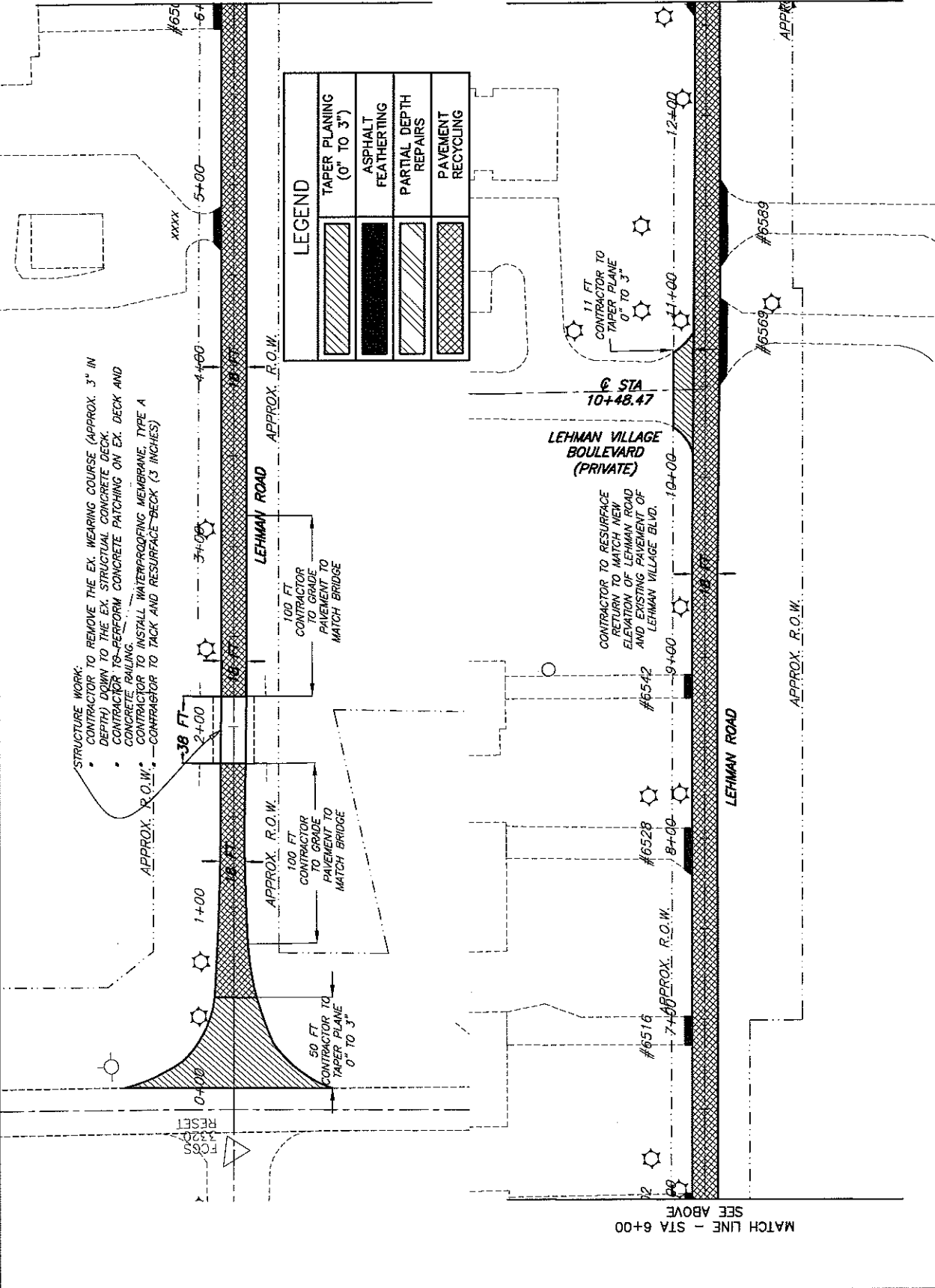
LEHMAN ROAD PAVEMENT RECYCLING SCHEMATIC

XXXXXXXXXX



MATCH LINE - STA 6+00
SEE BELOW

MATCH LINE - STA 12+63
SEE NEXT SHEET



LEGEND	
	TAPER PLANING (0" TO 3")
	ASPHALT FEATHERING
	PARTIAL DEPTH REPAIRS
	PAVEMENT RECYCLING

MATCH LINE - STA 6+00
SEE ABOVE



SCALE: 1" = 50'

DATE: 08/20/08
 DRAWN BY: GMD
 CHECKED BY: XXX

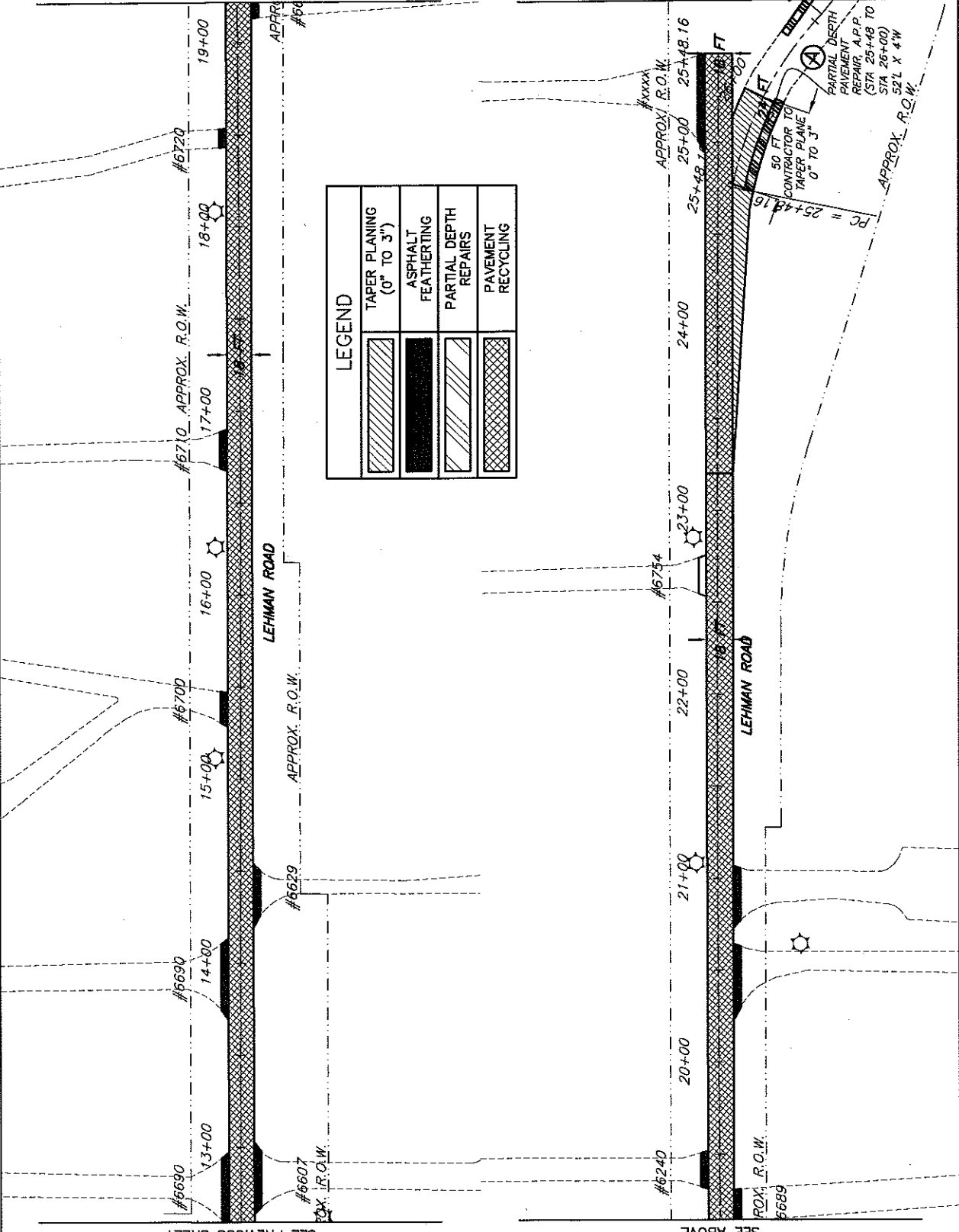
LEHMAN ROAD
 PAVEMENT RECYCLING SCHEMATIC

XXXXXXXXXX

7

MATCH LINE - STA 19+22
 SEE BELOW

MATCH LINE - STA 26+50
 SEE NEXT SHEET



LEGEND	
	TAPER PLANING (0" TO 3")
	ASPHALT FEATHERING
	PARTIAL DEPTH REPAIRS
	PAVEMENT RECYCLING

MATCH LINE - STA 12+63
 SEE PREVIOUS SHEET

MATCH LINE - STA 19+22
 SEE ABOVE



SCALE: 1" = 50'
 DATE: 01/15/10
 DRAWN: CWD
 CHECKED: JWC

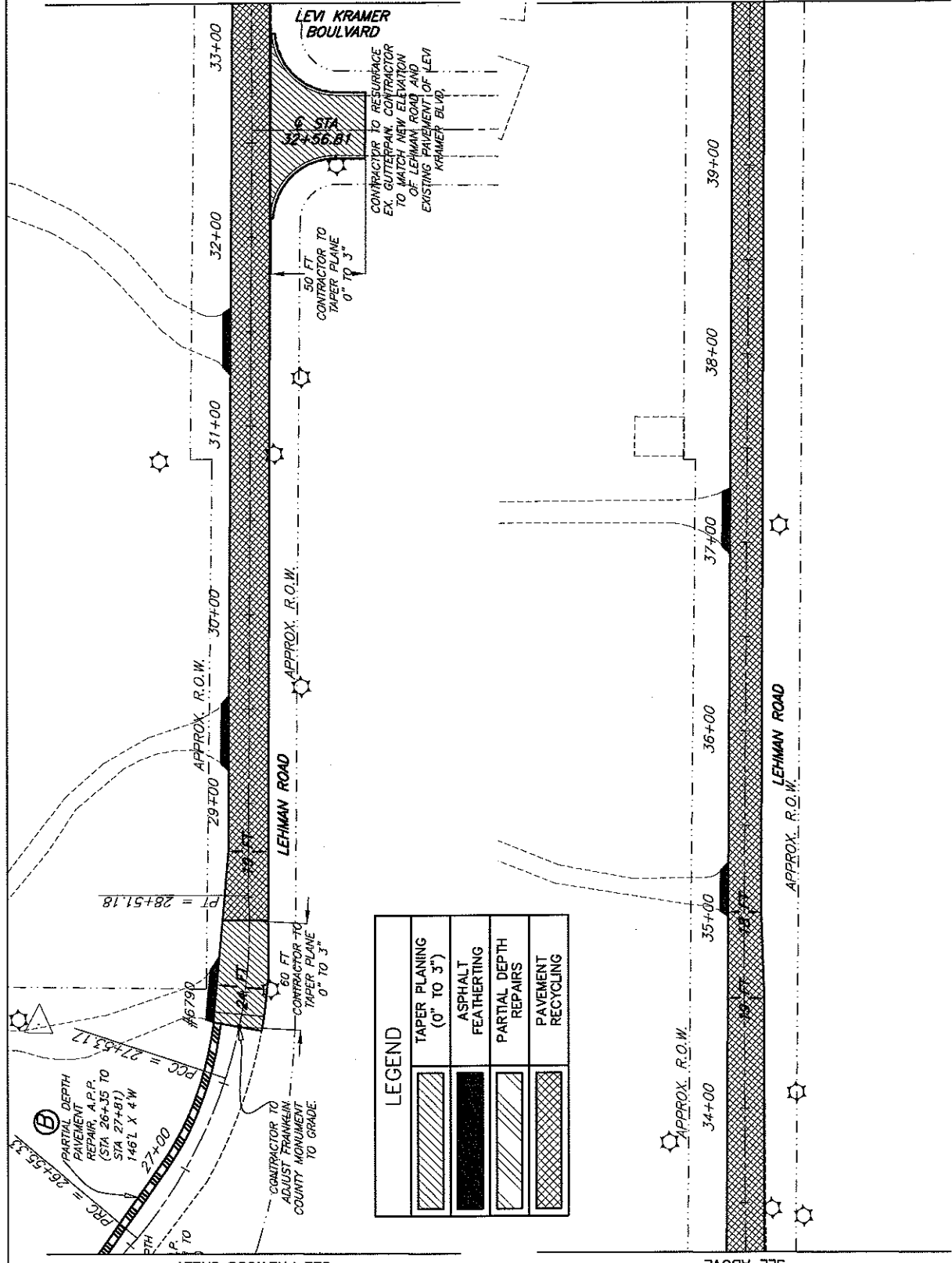
LEHMAN ROAD
 PAVEMENT RECYCLING SCHEMATIC

XXXXXXXXXX



MATCH LINE - STA 33+24
 SEE BELOW

MATCH LINE - STA 39+87
 SEE NEXT SHEET



MATCH LINE - STA 26+50
 SEE PREVIOUS SHEET

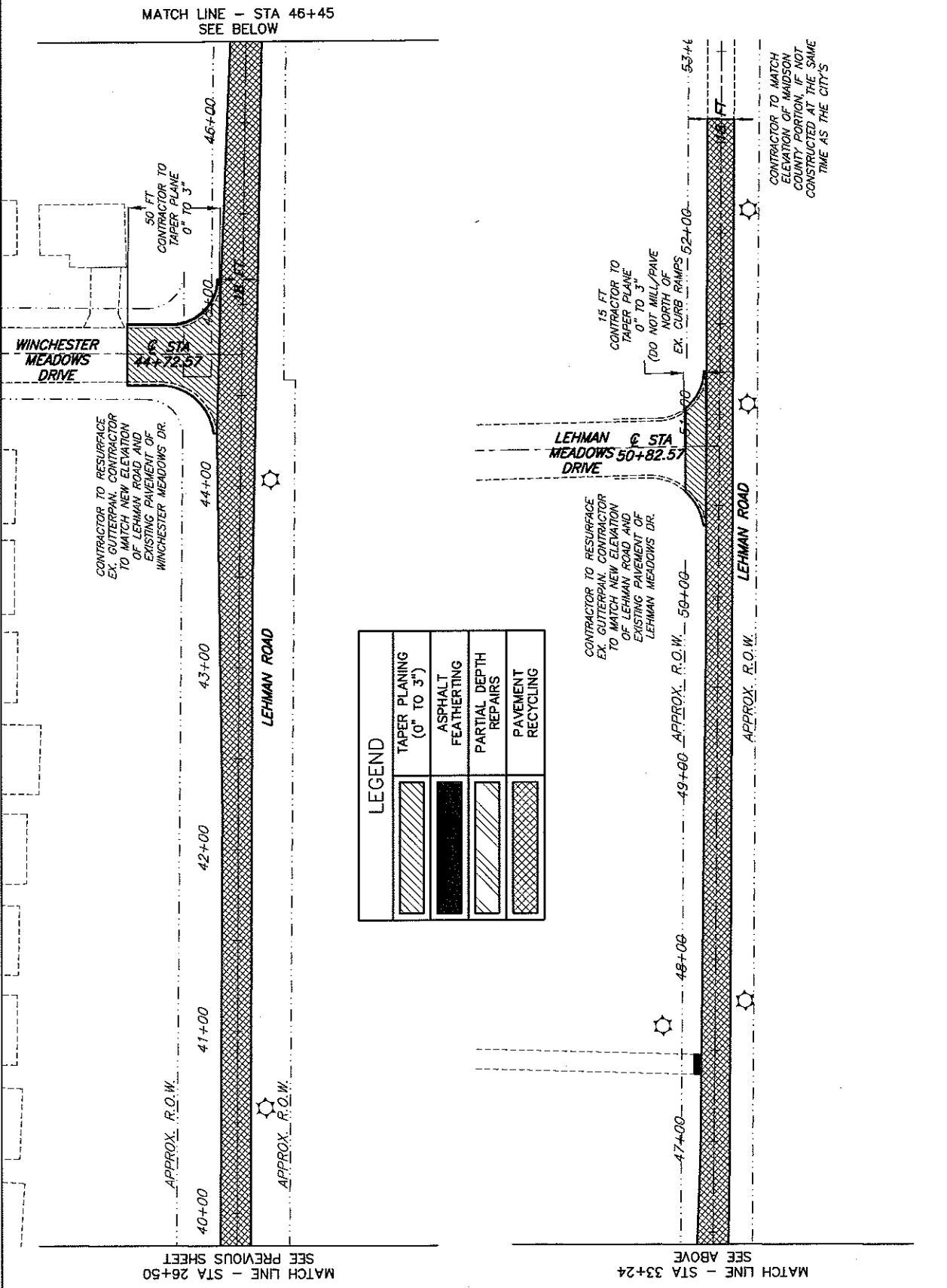
MATCH LINE - STA 33+24
 SEE ABOVE

LEGEND	
	TAPER PLANING (0" TO 3")
	ASPHALT FEATHERING
	PARTIAL DEPTH REPAIRS
	PAVEMENT RECYCLING

LEHMAN ROAD
PAVEMENT RECYCLING SCHEMATIC



SCALE: 1" = 50'
DATE: 08/01/00
BY: [Signature]



MATCH LINE - STA 46+45
SEE BELOW

WINCHESTER
MEADOWS
DRIVE

LEHMAN @ STA
44+72.57

CONTRACTOR TO RESURFACE
EX. GUTTERPAN. CONTRACTOR
TO MATCH NEW ELEVATION
OF LEHMAN ROAD AND
EXISTING PAVEMENT OF
WINCHESTER MEADOWS DR.

LEHMAN ROAD

LEHMAN @ STA
MEADOWS 50+82.57

CONTRACTOR TO RESURFACE
EX. GUTTERPAN. CONTRACTOR
TO MATCH NEW ELEVATION
OF LEHMAN ROAD AND
EXISTING PAVEMENT OF
LEHMAN MEADOWS DR.

LEHMAN ROAD

CONTRACTOR TO MATCH
ELEVATION OF MADISON
COUNTY PORTION IF NOT
CONSTRUCTED AT THE SAME
TIME AS THE CITY'S

LEGEND	
	TAPER PLANING (0" TO 3")
	ASPHALT FEATHERING
	PARTIAL DEPTH REPAIRS
	PAVEMENT RECYCLING

MATCH LINE - STA 26+50
SEE PREVIOUS SHEET

MATCH LINE - STA 33+24
SEE ABOVE

SPECIFICATIONS

The standard specifications found in the latest version of the State of Ohio Department of Transportation Construction and Material Specifications Manual, including changes and Supplemental Specifications shall govern this project except as herein modified.

ITEM SPECIAL - FULL DEPTH, CEMENT STABILIZED BASE COURSE

1. DESCRIPTION

This work shall consist of pulverizing and mixing a combination of the bituminous pavement, granular base and sub-grade material to the specified depth while simultaneously adding water and the specified amount of Portland cement to create a chemically stabilized base course. The material shall then be placed and compacted as shown on the plans and as provided herein to create an "In-Place" Stabilized Base Course (SBC).

2. MATERIALS

(2.1) PULVERIZED BASE MATERIAL.

Pulverized Base Material shall consist of the material existing in the area to be stabilized to a depth of twelve (12) inches.

(2.2) CHEMICAL STABILIZER

Type 1 Portland cement (ASTM C 150-95) shall be used at an application rate of 6.0% of the assumed maximum dry density of the pulverized material (110 PCF) based on a 12" depth of stabilization which equals 59.40 lbs./S.Y..

(2.3) WATER.

Water shall be clean and clear. If the water is of questionable quality, it should be tested in accordance with the requirements of AASHTO T26.

3. MIXTURE

Combine the pulverized materials, Portland cement and water, meeting the requirements specified herein, in such proportions that they conform to the Design accepted by the Engineer. Make field adjustments to the mix proportions under the guidance of the Engineer to obtain a satisfactory Stabilized Base Course (SBC).

4. CONSTRUCTION

(4.1) GENERAL.

The contractor shall provide all necessary labor, equipment, Portland cement, and water required to pulverize, mix, place, compact and finish the Stabilized Base Course. All materials, testing, design, certification, and provisions as specified herein shall apply.

(4.2) EQUIPMENT.

The equipment for pulverizing and mixing the existing pavement surfaces shall be a self-propelled road reclaimer/soil stabilizer capable of pulverizing, "In-Place", the existing pavement, base and sub-grade at a minimum width of eight(8) feet, and mixing any added materials to the specified depth of twelve (12) inches. The cutting drum shall have the ability to operate at various speeds(RPM), independent of the machine's forward speed, in order to control chunk size and gradation.

The machine shall be capable of pushing a water supply tanker or distributor and shall be equipped with a computerized integral liquid proportioning system capable of regulating and monitoring the water application rate relative to depth of cut, width of cut, and speed. The water pump on the machine shall be connected by a hose to the supply tanker/distributor, and shall be mechanically or electronically interlocked with the forward movement/ground speed of the machine. The spray bar shall be mounted in such a manner as to allow the water to be injected directly into the cutting drum/mixing chamber. Only under special circumstances will the Engineer consider allowing the water to be sprayed directly onto the cut/un-cut pavement ahead of or behind the pulverizer/mixer by a distributor or other means. The equipment shall be capable of mixing water, dry additives, and the pulverized pavement into a homogenous mixture. The cutting drum shall be fully maintained and in good condition at all times throughout the job.

(4.3) METHODS.

(A) PORTLAND CEMENT APPLICATION and MIXING

The Portland cement specified for this job shall be accurately and uniformly spread over the existing roadway by a bulk distributor at the specified application rate. Extreme care should be taken to minimize dust, scattering and material loss by wind.

Manual and gravity(tail gate) spreading of the additives is unacceptable.

In the event that accuracy, uniformity or dust, in the opinion of the engineer becomes a problem, said spreading operation shall be ceased until an agreeable method can be secured.

No Portland cement shall be spread when the soil or sub-grade is frozen or when the air temperature is less than 40 deg F in the shade.

Once the Portland cement is spread, it along with the in-place materials

shall be pulverized and mixed at a depth of 12", as per plan, to create a homogenous stabilized base course.

The percentage of moisture in the pulverized material, at the time of Portland cement application, shall be the amount that assures a uniform and proper mixture of pulverized material and Portland cement during mixing operations.

The operations of Portland cement application, water application, mixing, spreading, compacting, and finishing shall be continuous and completed in daylight. The mixing, grading, and final compaction should be completed within a time frame appropriate for the additive applications and required strengths. If mixing operations are interrupted, the surface should be sealed to protect the material.

Any stabilized base course mixture that has not been compacted and shall not remain undisturbed for more than 30 minutes.

(B) COMPACTION.

The number, weight and type of rollers shall be sufficient to obtain the required compaction while the SBC is in a workable condition. As a minimum requirement, breakdown compaction shall be performed with a large single drum vibratory pad-foot compactor w/blade. Said roller shall be capable of applying 56,000 lbs. of centrifugal force minimum

Compaction of the mixture should proceed immediately after mixing, in such a manner to provide uniformity and continuous compaction of the treated layer. At the start of compaction, the percentage of moisture in the mixture and in un-pulverized soil lumps shall not be below or more than two percentage points above the specified optimum moisture content, and shall be less than that quantity which will cause the stabilized base course mixture to become unstable during compaction and finishing.

The target density of the compacted stabilized mixture is 98% of the Standard Dry density as determined by AASHTO T-99. If during compaction operations depressions, defective areas, or soft spots develop, they should be corrected immediately by additional pulverization/aeration alone, or by the addition and mixing of additional stabilizer. After each section is completed, field density tests will be performed in accordance with AASHTO T-191, AASHTO T-205, or AASHTO T-238. If the compacted mixture fails to meet the specified density requirements, the Engineer may require it to be re-worked as necessary to meet those requirements. They may require the contractor to change his compaction methods to obtain the required density on the next section(s).

(D) STABILIZED BASE COURSE PLACEMENT/GRADING/FINISHING.

The SBC shall be placed by means of a conventional motor grader with automatic slope control, to the lines and grades established in the plans or proposal. Paving of this type is expected to be in accordance with acceptable base course products with a tolerance of not more than .05' of irregularity.

Throughout the entire operation, the shape of the base course should be maintained.

When initial compaction is nearing completion, the surface of the stabilized base course shall be shaped to the required lines, grades, and cross section. The moisture content of the surface material shall be maintained at not less than its specified optimum moisture content during finishing operations.

Compaction and finishing shall be done in such a manner as to produce a smooth, dense surface free of compaction planes, cracks, ridges, or loose material.

(4.3) WEATHER LIMITATIONS.

No work shall be performed before April 15th or after October 15th. The weather and temperature limitations for this work shall be 45 deg. F and rising with no standing water on the existing surface. No work shall be performed if there is a forecast of an atmospheric temperature below 32 deg. F within 24 hours from the time the SBC is completed. All work shall be completed and open to local traffic during daylight hours.

5. MAINTENANCE OF TRAFFIC

Traffic maintenance shall be performed per local specifications protecting the uncompacted material from traffic. Enough flag people/signs for incoming roads shall be used until product is compacted properly.

6. METHOD OF PAYMENT

Payment for accepted quantities, complete in-place, shall be made at the contract price for:

<u>ITEM</u>	<u>UNIT</u>	<u>DESCRIPTION</u>
Special	Square Yard	Full Depth, Cement Stabilized Base Course
Special	Ton	Portland cement

**CITY OF COLUMBUS
2010 RECYCLING – EMERGENCY, 1664 DR. A
LEHMAN ROAD**

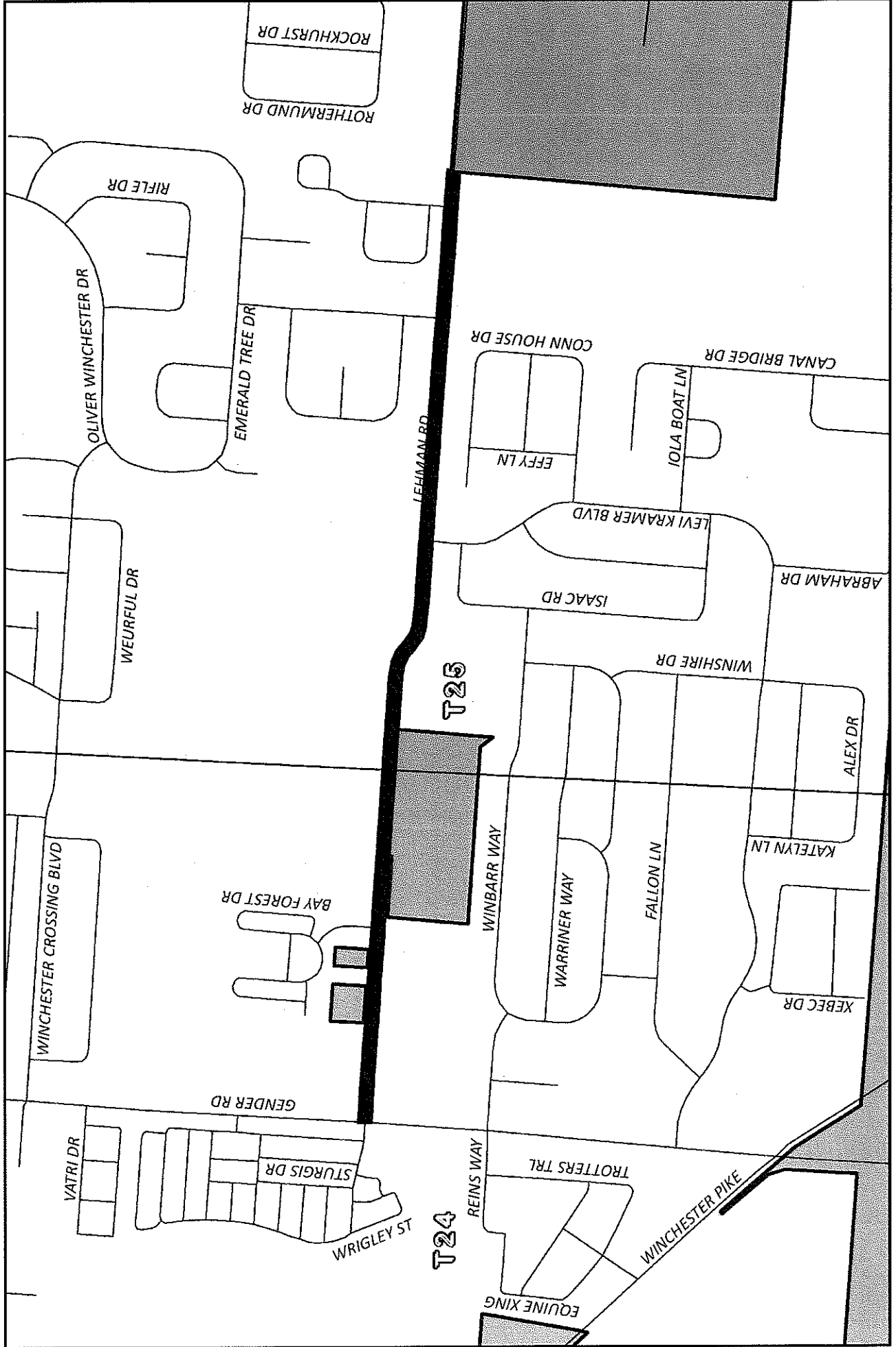


LOCATION MAPS

**Public Service Department
Division of Design and Construction
Design Section**

CITY OF COLUMBUS - PUBLIC SERVICE DEPARTMENT - DIVISION OF DESIGN AND CONSTRUCTION
2010 RECYCLING - EMERGENCY, 1664 DR. A (LEHMAN ROAD)

LOCATION MAP



**CITY OF COLUMBUS
2010 RECYCLING – EMERGENCY, 1664 DR. A
LEHMAN ROAD**



GENERAL NOTES

**Public Service Department
Division of Design and Construction
Design Section**

2010 RECYCLING – EMERGENCY, 1664 DR. A
LEHMAN ROAD

GENERAL NOTES

The City of Columbus, Construction and Material Specifications (CMSC), 2002 Edition, including all supplements thereto, shall govern all construction items that are a part of this plan except when such specifications are modified by the General Notes or by Construction Details set forth herein. Where these notes refer to Ohio Department of Transportation Construction and Material Specifications, the latest revision of the same shall govern.

Supplemental Specifications referenced in the plans can be downloaded at the following web site:

<http://pubserv.ci.columbus.oh.us/transportation/SupSpecs/INDEX.pdf>

All Standard Drawings and Supplemental Specifications referenced in this project are listed at the end of the General Notes. See the last page of this document for a complete listing.

The Contractor and all subcontractors shall comply with the Occupational Safety and Health Act of 1970.

- I. PAVEMENT MATERIALS AND OPERATIONS
- II. TRAFFIC
- III. DRAINAGE
- IV. CASTINGS
- V. STRUCTURES
- VI. SIDEWALK AND WHEELCHAIR RAMPS
- VII. MISCELLANEOUS ITEMS
- VIII. SPECIAL NOTES

I. PAVEMENT MATERIALS AND OPERATIONS

ASPHALT OVERLAY - For unplanned streets, the profile of the proposed surface shall be approximately 1.25 inches on residential streets and 1.5 inches on arterial streets above the existing surface at the centerline, unless otherwise noted on the plans.

BERM PREPARATION - Along with the respective berm pay items, a quantity has been established for berm preparation purposes before the actual berm materials go down. This item shall be used for any grading, mowing, and/or scalping which may be necessary before the berm application can begin. A quantity has been established and will be paid for under Item 209, Linear Grading. The location and length of berm to be prepared will be determined by the inspector and only the actual length of berm that is prepped will be paid for.

BERM APPLICATIONS - As a part of this resurfacing contract, the procedures for applying Item 409 - Seal Coat Bituminous Material and Item 409 – Seal Coat Cover Aggregate to new berm requires **two (2)** passes when placing these respective items.

Each pass will require applying the Seal Coat Bituminous Material at a rate of 0.15 GALS/SY, and the Seal Coat Cover Aggregate at the rate of 10 LBS/SY. The rates of application for both items can also be found on the typical section sheet in the plans.

Per Item 411.03, water shall be applied to aid in compaction and prevent segregation of the material. The water shall be added in a manner that will not soften the sub grade. Final compaction of the surface of stabilized crushed aggregate shall be obtained by the use of approved pneumatic tire equipment.

DRIVEWAYS – Due to the elevation change of Lehman Road, the contractor shall resurface a four (4) min. into each driveway within project limits. Quantity for this work has been added to the worksheet as an “Odd Area” per the calculations below;

- (Sta 2+17 to Sta 52+63): Twenty-Six (26) Existing Driveways x 12' Average Width x 4' Average Length = **139 S.Y. of RESURFACING AREA has been added to the worksheet.**

ITEM 251 - PARTIAL DEPTH PAVEMENT REPLACEMENT, AS PER PLAN - Edges of all cut-outs are to be cut smooth and vertical from the surface to the sub grade. Item 402 shall be used for the first 7.5” of asphalt pavement replacement, the top 1.5” shall be item 404, unless otherwise specified by the engineer or a higher representative. All asphalt patch edges shall be sealed as per 251.02.

Cut-outs shall be a maximum of 9" in depth, unless otherwise directed by the engineer or inspector. The CONTRACTOR will be paid at the contract unit price per C.Y. for only the area established on the worksheets. Any changes to this quantity shall first be approved by the engineer or inspector.

PLEASE NOTE - THE PARTIAL DEPTH REPLACEMENT AREAS REQUIRED IN THIS PROJECT ARE OUTSIDE OF THE RESURFACING/RECYCLING LIMITS. THE CONTRACTOR MUST SEAL ALL JOINTS.

ITEM 407 - COVER AGGREGATE - The cover aggregate for the tack shall be #9 crushed limestone. If required by the engineer, or its representative, #8 crushed limestone may be used in high traffic areas.

JOINTS - New paving joints on the asphalt concrete surface course shall be offset 6” from the old joint or placed in the middle of the lane. No paving joints are to be placed within the area designated as the wheel track.

PLANED STREETS TO BE RESURFACED - All streets that are to be planed prior to resurfacing shall be paved within seven (7) days after the planing operation has been completed on that street, unless otherwise noted or directed by the engineer or their representative. Therefore, no street shall be left unpaved for longer than seven (7) days after is has been planed.

During the seven (7) day time period, the contractor is responsible for any repair work (i.e., patching, preleveling, etc., required to repair the planed surface, as directed by the engineer or field representative. All cost for repair work shall be paid for by the contractor. The seven (7) day duration from milling to paving will be extended an additional two (2) days for streets requiring crack seal or Stress Absorbing Membrane Interlayer (SAMI) or Fiber Reinforced Bituminous Membrane Surface Treatment (FIBER-SAMI). If circumstances arise immediately following the planing operation that will require additional preleveling, the decision to prelevel will be made by the engineer and paid at the contract unit price for preleveling. (See "Preleveling" note, below)

Any street that is not paved by the end of the seventh (7th) day following the planing operation will cause the contractor to incur a **FIVE HUNDRED DOLLAR (\$500.00) PENALTY PER DAY UNTIL COMPLETION**. Bad weather days experienced during construction will not always be a consideration for extending the seven (7) day duration.

PLANING OPERATIONS - When planing streets, approaches to intersecting streets and alleys are to be planed as indicated on these plans, worksheets, or as directed by the engineer or inspector.

On streets that are 6' edge milled, the entire area of the "Connecting Streets to be resurfaced" shall be milled.

Taper Planing will be paid for under Item 254, planing (1"-3"); however, if the planing on the street is a 6' Edge mill, then the taper planing will be paid for under Item 254, Planing 6' Edge mill. Note: 6' edge milling at butt joints will be taper planed 10 feet out unless otherwise noted on the worksheet. See taper plane details attached to the plans.

PRELEVELING - The condition for preleveling exists when an area requires too great a depth of material to fill in with one course without excessive settlement due to poor compaction. The low areas are to be filled in ahead of the final overlay course by "Scratching" the areas with the paver. All areas will be called out on the worksheet unless otherwise instructed by the inspector. In general, all depressions of 1.5" and greater will be preleveled. Lifts shall be no deeper than 3".

This item is intended to compensate the contractor for the cost difference of placing the "scratch course" compared to placing the standard 1-1/4" overlay. The cost difference is a result of using the same manpower and equipment for placing two different thicknesses of asphalt, where the method of payment is by tons of asphalt concrete. Payment for this compensation will be the number of square yards of surface area preleveled and paid for under Item Special, "Preleveling". The payment for asphalt concrete used for preleveling will be paid under Item 404, Asphalt Concrete (Tons).

ROLLERS - The contractor shall furnish three rollers; a three wheel, a tandem, and a type P-1 pneumatic tire roller. Pneumatic tire rollers shall have a minimum of seven tires with skirts.

SPOT PLANING, BITUMINOUS - This item is to be used as directed by the inspector, wherever and whenever it becomes necessary, in the opinion of the inspector, to plane additional areas, not otherwise called for in the plans, two inches or less in depth, and 250 square yards or less in area. Each separate and distinct area which measures 250 square yards or less shall be paid for as **"ITEM SPECIAL – SPOT PLANING, 2 INCHES**

OR LESS". Any area that is contiguous with or adjacent to a planed area as per plans will be paid for under Item 254, planing (1"-3").

ASPHALT CONCRETE PATCHING - This item is to be used as directed by the inspector, wherever and whenever it becomes necessary, in the opinion of the inspector, to alleviate hazardous situations, such as, manhole castings, valve castings, and other potential hazardous conditions that may exist. Each separate and distinct area which requires this item will be paid as **"ITEM SPECIAL – ASPHALT CONCRETE PATCHING"**.

SURFACE PREPARATION - All dirt, debris, and millings are to be removed from the site. Blowers are acceptable only for removing small amounts of dust. All milled areas are to be cleaned with a pick up sweeper prior to allowing traffic onto that area. The Contractor may be required to provide additional cleaning prior to final paving if directed by the inspector. Cost for all cleaning shall be included in payment for Item 404 and Item 416.

RUBBERIZED TACK COAT - A **four-hour** tack cure is required for SS-1 and **two hour** for RS-2, unless waved by the engineer or its representative. Protection of curbs and castings shall be adhered to when tacking, per 407.07. When Item 414, Micro-Surfacing, Type I is used for tack, it shall not be paved over within 24 hours.

TREATMENT OF FEATHERED AREAS - Where shown on the plans or directed by the inspector, the thickness of the asphalt concrete surface course to be placed shall be feathered as directed. The new area, upon which less than one inch of surface course is to be placed, shall be considered as the area to be feathered. Bituminous tack coat, at a rate of application directed by the inspector, shall be applied to such areas before placing the asphalt concrete surface course.

USE OF RECLAIMED MATERIAL IN ASPHALT PAVEMENT – The use of reclaimed materials may be used according to the City of Columbus, Construction and Materials Specification book. Refer to section 401.04 of the CMS for further descriptions and details regarding this item.

ITEM SPECIAL – FULL DEPTH RECLAMATION – CONTRACTOR TO ATTACHED SPECIFICATION TO PLAN SET FOR THE 12" CEMENT STABILIZATION WITH 6% PORTLAND CEMENT.

II. TRAFFIC

MAINTENANCE OF TRAFFIC - Costs for maintenance of traffic during the planing and paving operations shall be included in Item 404, Asphalt Concrete and Item 416, Asphalt Concrete Contractor Mix Design. See *"WORK HOUR LIMITATIONS AND MAINTENANCE OF TRAFFIC REQUIREMENTS"* table, sheet 27 of the general notes for working hours and maintenance of traffic requirements per street.

Prior to any maintenance of traffic changes, the contractor shall submit in writing an maintenance of traffic plan to perform this work to the City of Columbus – Division of Design and Construction – Inspection Services – Construction Engineer for authorization. This request must be submitted a minimum of ten (10) calendar days

prior to performing any work. **No work will be permitted until written authorization is provided by the City of Columbus.**

NOTIFICATION - The contractor is to be responsible for notifying, by letter with their company letterhead, residents and businesses on streets to be resurfaced. Advanced notice shall be two (2) weeks prior to the first day of work on that street. **A copy of the letter to be circulated shall be presented at the pre-construction meeting.** Also, included on the contractor's daily work list submittal provided to the Division of Design and Construction – Inspection Services Office, the contractor is to include the streets and dates when this notification is distributed. Three Weeks prior to making notification in the downtown area, the contractor shall meet with the Construction Engineer (645-0411) to review the scope and method of the contractor's notification plan and address any special notification concerns known to the Construction Coordinator.

The contractor is responsible to post "Emergency - No Parking" signs (per City of Columbus Sign Design) 72 hours prior to beginning any work on the street. The "Emergency - No Parking" signs can be posted for a maximum duration of four (4) days. If the work is not completed within the four (4) day period, the contractor is responsible for removing the signs and reposting them at a later date. All costs for reposting the signs shall be paid for by the contractor.

PARKED CARS - Parked cars are to be handled per standard drawing 2181 Dr. A. In addition to the Standard Drawing, the recommended spacing for High Density Areas (i.e. University area, Downtown Residential, Apartments, etc.) is sign placement every seventy-five feet (75 feet) plus or minus twenty-five feet (25 feet). The recommended spacing for Low Density Areas is every one-hundred-fifty feet (150 feet) plus or minus twenty-five feet (25 feet).

PERMIT - Prior to the closure of any portion of the roadways within the City of Columbus, the contractor shall submit for "The permit for street opening and/or barricading", as contained in the contract documents to the City Engineer for completion and issuing. The above submission shall be made a minimum of two working days prior to the anticipated date of barricading. The permit shows the requirements for special duty police.

UNIFORMED POLICE OFFICER WITH CRUISER - Police cruisers are not normal traffic control devices for resurfacing on city streets. Therefore, police cruisers shall only be used at the direction of the engineer.

TEMPORARY PAVEMENT MARKINGS - Class II Temporary Striping shall be as per Item 614, Work Zone Pavement Markings and placed to within one-foot (1') longitudinal tolerance of the permanent stripes. All inappropriately placed striping shall be removed by the **Paving Contractor** within 24 hours if the City of Columbus – Division of Design and Construction – Inspection Services – Construction Engineer determines the situation is a hazard, all other inappropriately placed striping must be removed within five working days. The Striping not removed by the **Paving Contractor** within the specified time period will be removed by the City and the costs will be deducted from any monies due or to become due to the Contractor (per 614.11 and 105.15). Any work by the City shall be considered call-in overtime.

There will be a four (4) hour minimum charge for any work performed by the City (per the agreement between the City and the AFSCME Union concerning call-in overtime). City of Columbus – Division of Design and Construction – Inspection Services – Construction Engineer will contact the Paving Contractor when striping is to be removed. Payment for Item 614, Work Zone Pavement Marking shall be made under Item 404, Asphalt Concrete and Item 416, Asphalt Concrete Contractor Mix Design of this contract.

III. DRAINAGE ITEMS

DRAINAGE AT INTERSECTING STREETS - At intersecting streets where the drainage is toward or into the project, special care shall be taken by the contractor to maintain proper grade along the edge of pavement so that water will not pond. At intersecting streets, where the edge of pavement continues across the street, care shall be taken to feather down and form a neat seam with the proper grade.

DRAIN PIPES - At all drain pipes located in the curb and that drain into the gutter, special care shall be taken by the contractor so that these drains will not be closed or otherwise rendered inoperative. Any damage done to the under drain will be replaced at the contractor's expense.

PONDING - The contractor is responsible for repairing all low areas that hold a half an inch or more of water after resurfacing. This includes driveway approaches, intersections and low areas along the curb or edge of pavement line. Unless specifically required by this contract, contractors are not responsible for installation of storm sewers to correct ponding problems. Asphalt used for these repairs will be paid at the contract price. These areas of ponding cannot be located until adequate rain has occurred. As a result, these ponding locations will not be determined until the contractor has resurfaced the street.

The price for the Item Spec, Puddle Patch should take into account material, equipment, and labor required re-mobilize (if necessary) and fill the ponding area.

ITEM 623 – CONSTRUCTION LAYOUT STAKES – This item shall include all survey work necessary to provide positive drainage throughout the project limits.

IV. CASTINGS

ADJUSTING CASTINGS - The contractor may use an extension ring of the type approved by the City to raise manholes (including: City Storm, Sanitary, Traffic, and MELP). These extension rings shall be secured in place by asphalt mastic. Problem situations, such as broken castings or castings for which there are no rings available, will be resolved by adjusting the structure to grade without a ring after the resurfacing process. All water valves that are called out to be raised must be adjusted to grade without rings, after the resurfacing process, with heavy duty valve box top section and lid.

For a casting that is adjusted to grade after the resurfacing is completed, the pavement replacement shall be Portland Cement Concrete base with 2 inches of asphalt wearing course to grade. Asphalt concrete shall be Item 404. Portland Cement Concrete base shall be Class "FS" concrete as per Item 499. The finished surface after the adjustment

has been completed shall be heat-welded as per Supplemental Specification 1541. Payment for these items are to be included in the price bid for Item 604 "Manhole, Adjusted to Grade, Without Ring" and Item 807 "Watervalve, Adjusted to Grade". The minimum dimension for saw cutting the proposed valve box is two (2) feet (width) by four (4) feet (length). All saw cutting necessary to perform this task will be paid for at the contract unit price bid for the item necessitating the work. The price shall include all services, materials, labor, equipment, tools, and incidentals necessary to complete this item.

If a valve box is broken, the Contractor is responsible to contact the City of Columbus, Division of Power and Water at 645-7788 to obtain the necessary materials. A unit cost has been established in the contract in the event that the Division of Power and Water does not have adequate stock to provide the necessary materials. Prior to the Contractor purchasing these materials, the Contractor must notify the City Representative and receive written permission to purchase the materials. Otherwise, any unauthorized purchase of these materials is at the Contractor's expense.

All castings that are in the process of being raised shall be plated or otherwise be made suitable to carry traffic during non-working hours. A list of the watervalves will be provided to the contractor at the pre-con. It is the responsibility of the contractor to point out any additional manholes and watervalves to the inspector that are out of tolerance prior to milling or the cost of adjusting these will be at the contractor's expense.

A tolerance of minus 1/2" will be the accepted tolerance on all manholes and water valves adjusted to grade prior to the resurfacing process. A tolerance of minus 1/4" will be the accepted tolerance on all manholes and watervalves adjusted to grade after the resurfacing process as part of this contract.

FIRE HYDRANTS - Permits and fees are required for the use of any fire hydrants. A Siamese valve is to be used on the hydrant outlet if a hose is to be left connected and unattended. This permit can be obtained from the City of Columbus, Division of Power and Water, 910 Dublin Road.

MANHOLES AND OTHER CASTINGS -The castings of manholes, valve boxes, and other structures owned by utilities other than the City of Columbus shall be adjusted to grade by their respective owners. The work may be performed prior to the construction of the surface course but in no case more than 60 days after placement of final pavement. The contractor shall notify, via e-mail such affected utilities at least one week in advance of start of work operations so that adjustments may be properly scheduled. Contractor shall document all notices to the utilities by copy of e-mail to the project inspection staff. The following utilities own castings within the pavement of the City of Columbus:

AT&T 111 North Fourth Street Columbus, Ohio 43215 (614) 233-7162	Columbia Gas of Ohio 3550 Johnny Appleseed Court Columbus, Ohio 43231 (614) 818-2133
Time Warner Cable	American Electric Power

3760 Interchange Drive
 Columbus, Ohio 43204
 (614) 255-6349

850 Tech Center Drive
 Gahanna, Ohio 43230
 (614) 883-6817

City of Columbus
 Division of Sewerage and Drainage
 910 Dublin Road
 Columbus, Ohio 43215
 (614) 645-7102

City of Columbus
 Division of Sewerage and Drainage
 910 Dublin Road
 Columbus, Ohio 43215
 (614) 645-7788

City of Columbus
 Division of Power and Water
 3568 Indianola Avenue
 Columbus, Ohio 43214
 (614) 645-7627

City of Columbus
 Division of Telecommunications
 90 West Broad Street
 Columbus, Ohio 43215
 (614) 645-1501

WOW Internet - Cable - Phone
 140 Robinwood Avenue
 Columbus, Ohio 43231
 (614) 725-5003

XO Communications
 10 West Broad Street, Suite 300
 Columbus, Ohio 43215
 (614) 416-4454

Qwest Communications Corporation
 1860 Lincoln Street, 2nd Floor
 Denver, Colorado 80295
 (303) 837-3926

SBC
 111 North 4th Street
 Columbus, Ohio 43215
 (614) 223-7162

CityNet LLC
 779 Brooksedge Blvd.
 Westerville, Ohio 43081
 (614) 364-7826

Columbus FiberNet
 1810 Arlingate Lane
 Columbus, Ohio 43228
 (614) 274-8100

Castings owned by the City of Columbus shall be adjusted to grade by the Contractor. These include sewer, water, traffic, and MELP manholes. An estimate of the number and approximate locations of manhole and watervale structures to be adjusted are included on the individual worksheets. However, any additional castings identified during the various construction operations by the inspector and/or contractor shall be raised by the contractor and will be paid for at the contract unit price for that respective item.

MONUMENT ASSEMBLY ADJUSTMENT - This item shall consist of adjusting to grade a state survey monument box assembly. The riser shall be a Franklin County standard 1-1/4" or 2" riser with a modified lid. These risers and lids are available from the Franklin County Engineers Office at cost. The unit bid price for Item 604 – Monument Box Adjusted to Grade, As Per Plan shall include all labor, materials, and equipment needed to complete the adjustment.

WATERVALVES ON PLANED STREETS - Before any milling begins on a street, the inspector will identify all the watervalve castings by marking the castings and creating a list of the castings that will need to be adjusted to grade after the resurfacing is complete. After the resurfacing is complete, any castings that need to be adjusted to grade that were not identified to be raised prior to the resurfacing shall be adjusted to grade by the CONTRACTOR, at the CONTRACTOR'S expense. This does not apply to buried watervalves.

The CONTRACTOR shall review the inspector's list of castings to be adjusted to grade before resurfacing. Any disputes should be brought to the inspector's attention before the milling begins; otherwise the CONTRACTOR accepts full responsibility for raising the castings (except the buried watervalves) that do not meet the tolerances described above.

VI. SIDEWALK AND CURB ITEMS

COORDINATION WITH DIVISION OF POWER AND WATER - The contractor is required to notify the Division of Power and Water three (3) working days prior to excavating or removing curb and sidewalk to have facilities located. The contractor shall call the Division of Power and Water - Dispatch Center at 645-7627 so that "lock out, tag out" can take place on the conflicting electrical circuitry.

Should the contractor damage conduit or cable during the construction of a curb or sidewalk, they are required to notify the Division of Power and Water - Dispatch Center at 645-7627, so that immediate protective action can be taken.

V. STRUCTURES ITEMS

BRIDGE (O) GEORGES CREEK: Within project limits lies the bridge (o) Georges Creek. The contractor shall remove the existing asphalt pavement down to the existing concrete structural slab below using the ITEM 202 – WEARING COURSE REMOVED (S.Y.). It is estimated that three (3) inches of asphalt concrete lies on top of the concrete bridge deck. After the removal of the wearing course, a City of Columbus – Division of Design and Construction representative will inspect, field mark, and quantify/document all areas on the concrete bridge deck and two (2) adjacent concrete railing. The contractor shall repair these areas using the ITEM 519 – PATCHING CONCRETE STRUCTURES (S.F.). After a concrete repairs are made, the contractor shall prepare the existing concrete deck, as per 512.04 of the City CMS, for the application of Type A – Waterproofing. The preparation for, and application of Type A – Waterproofing, as per 512.06 of the City CMS shall be included in the ITEM 512 – TYPE A WATERPROOFING (S.Y.) pay item. After the Type A – Waterproofing application has cured; the contractor shall resurface the bridge deck using ITEM 407 - TACK COAT, RUBBER (GALLONS) and ITEM 402 - ASPHALT CONCRETE (1 1/2") (TONS) and ITEM 404 - ASPHALT CONCRETE (1-1/2") (TONS). See below for calculations, pay items and quantities.

CALCULATIONS

❖ Bridge Length = Sta. 1+79 to Sta. 2+17 = **38 Feet**

❖ Bridge Width = **18 Feet**

❖ Bridge Deck Area = 38'L x 18'W = 684 S.F. = **76 S.Y.**

❖ Patching Concrete Structures estimated @ 20% of bridge deck (684 S.F.) = **137 S.F.**

PLEASE NOTE: BY ADDING ONLY THREE (3) INCHES TO THE EXISTING BRIDGE DECK, THE BRIDGE DECK SURFACE ELEVATION WILL NOT MATCH THE PROPOSED ELEVATION OF MAINLINE LEHMAN ROAD. THE CONTRACTOR MUST GRADE THE PROPOSED RECYCLED PAVEMENT TO MATCH THE PAVEMENT SURFACE ELEVATION OF THE BRIDGE DECK WITHIN ONE HUNDRED (100) FEET OF THE BRIDGE DECK, IN EACH DIRECTION.

❖ Excavation (Grading of Lehman Road to match bridge) = [(Sta. 0+79 to Sta. 1+79) + (Sta. 2+17 to Sta. 3+17)] x (18 feet wide) x (3 inches x 1 feet/12 inches) = **33 C.Y.**

ITEM #	ITEM DESCRIPTION	UNITS	QUANTITY
202	WEARING COURSE REMOVED	S.Y.	76
203	EXCAVATION	C.Y.	33
402	ASPHALT CONCRETE (1 1/2")	TONS	7
404	ASPHALT CONCRETE (1-1/2")	TONS	7
407	COVER AGGREGATE	TONS	1
407	TACK COAT, RUBBER	GALLONS	8
512	TYPE A WATERPROOFING	S.Y.	76
519	PATCHING CONCRETE STRUCTURES	S.F.	137
614	ITEM 614 – MAINTAINING TRAFFIC, BRIDGE WORK, AS PER PLAN (SEE SHEET 16, GENERAL NOTES FOR DETAILS)	LUMP	1

VII. MISCELLANEOUS ITEMS

HEAT-WELDING ON PUDDLE PATCHES – The Contractor shall only heat-weld puddle patches that are selected by the inspector. The Contractor shall heat-weld the entire puddle patch that has an area of forty-eight (48) square feet or smaller. Puddle patches larger than forty-eight (48) square feet shall be heat-welded only along the edges of the patch.

Heat-welding on puddle patches shall be paid for as follows: Item Special, Minimum Heat-Weld Charge, Puddle Patch, Each will be used to pay for the initial forty-eight (48) square feet of heat-welding at a single location. This charge is to reflect the bidder's minimum charge for heat-welding a single location. Any area requiring heat-welding in addition to the initial forty-eight (48) square feet shall be paid for using Item Special, Bituminous Asphalt Heat-Weld Repair, Puddle Patch, S.F.

For the purpose of this contract the City has determined that the minimum charge shall not exceed three-hundred-fifty dollars (\$350). Bids with an amount in excess of three-hundred-fifty dollars (\$350) shall be cause for rejection.

These items shall only be used for heat-welding puddle patches, unless directed by the engineer. These items shall not be used to pay for heat-welding on manholes or watervalves.

LIGHTING FOR NIGHT WORK - The contractor will be required to use appropriate lighting for night work on equipment being used on this project. The contractor shall cause notice to be taken to the illumination effects of the lighting during night work. At the direction of the inspector, the contractor may need to adjust the lighting equipment to cut down on the glare oncoming traffic.

MAINTENANCE - All costs incurred by the City of Columbus Maintenance forces in maintaining the pavement after the completion date has expired, as shown in the contract, shall be deducted from the final payment to the contractor.

MATERIAL SAFETY DATA SHEETS - The contractor must submit, for information only, the manufacturer's hazardous materials communication information forms for all asphaltic and other hazardous materials to be incorporated into the work.

PROGRESS MEETINGS - A representative from the contractor's office (Project Superintendent or higher authority) will be required to attend a progress meeting every other week for this project. The location of the meeting will be established at the pre-construction meeting. Discussion will include progress of the contractor's schedule, uncompleted work lists, and other items as necessary.

PUNCHLIST - The preliminary punch list is compiled during construction and can be issued within 5 days of the last day of paving if requested by the contractor. The water ponding list will be provided after an adequate rainfall. The valve boxes and manholes are to be located and inspected for proper grade and fit of the lids. The valve box and manhole punch list items will be combined with the water-ponding and preliminary lists to make a final punch list, which will be issued as soon as possible.

TREES AND OVERHEAD INTERFERENCES - The contractor is responsible for the protection of all trees, overhead lines and traffic signals. In some cases it may be necessary to adjust equipment heights to make clearance. If tree trimming is required, a permit must be acquired from the City Forester (645-6640) at the Department of Recreation and Parks.

VIII. SPECIAL NOTES

PAVEMENT CUTTING, SAWING AND EXCAVATION OPERATIONS NOTE:

Pursuant to Phase II Regulations of the NPDES Amendment to the Clean Water Act of the United States of America, all public agencies and private contractors performing pavement-cutting operations on City of Columbus streets and roadways shall protect our environment from the diminutive discharges created by their pavement cutting operations.

This requirement includes but is not limited to wet or dry saw-cutting, jack hammering, excavation equipment use, etc. The public agency and/or private contractor work crews shall recover and dispose of particles, polluted waters, or other such small discharges resulting from their pavement cutting operations and protect all storm sewer inlets from receiving runoff of said diminutive discharges. The agency or contractor responsible for each pavement cutting activity shall be solely liable for Notice of Violations (NOV/s) and fines issued by City of Columbus and/or State of Ohio Authorities.

Equipment, materials and methods shall be provided by the responsible public agency and/or private contractor to work crews performing the pavement cutting activity and made available to work crews for use in cleaning up the small discharges resulting from such cutting activities and preventing runoff. Additionally, work crews shall be trained to exercise and employ equipment, materials, and environmental protective measures, to prevent polluted discharges from entering the City of Columbus storm sewer systems and watercourses. All pay and work items associated with pavement cutting, sawing, or excavation shall abide by this note.

Moreover, if project Plans, Notes and/or Drawings include a Stormwater Pollution Prevention Plan (SWP³) or a Spill Prevention/Remediation Plan; such plans shall be adhered to in addition to this note for all pavement cutting, sawing, or excavation operations on City of Columbus streets and roadways.

Suggested inlet protection is provided in the project documents under TYPICAL INLET PROTECTION DWG – 2007M. The engineer shall approve alternative methods of inlet protection.

Note to Specification Writers: if SWP³ or Spill Prevention/Remediation Plans are included in Contract Documents, they should be cited in the last paragraph above by volume, page or sheet numbers; so directing the reader to such plan.

TREES OVERHANGING ROADWAYS – This note is to reinforce the tree and overhead interference note as part of these plans. The City Forester shall be notified of the locations on this project, but care shall be taken to protect these trees.

SEAL BUTT JOINT - All butt joints on this contract shall be sealed per CMS Section 702. The cost of this joint seal shall be included in the price of the Item 404 - Asphalt Concrete, or Item 416-Asphalt Concrete, Contractor Mix Design.

SEAL CURB JOINT – On this contract, all joints between the edge of the asphalt pavement and all straight curb or paved over curb and gutter shall be sealed, following placement of the asphalt concrete surface course (See “Streets with Existing Curb” table below). The joint shall be sealed with a “bead” of “Hot Applied Crack and Joint Sealer” (as opposed to a “band” of sealant). The “Hot Applied Crack and Joint Sealer” shall be per CMS Section 705.04. **DO NOT SEAL GRANITE CURB JOINTS.** The cost of this joint seal shall be included in the price of the Item 404 - Asphalt Concrete, or Item 416-Asphalt Concrete, Contractor Mix Design.

RUBBERIZED TACK COAT – The requirements for this item shall be enforced per 407.02, with the Rubber Compound now referencing ODOT CMS Item 702.13. A sample of the tack material shall be supplied by the Contractor prior to the start of work for testing. The certification requirement shall also apply. Random sampling throughout

the duration of the project will occur. The contractor shall provide random samples at the request of the Engineer.

BERM CHANGE- Note change on the typical section sheet to Item 8 (DWG No. 2003E). Revision made to reflect thickness variation in Item 411 and the “positive drainage” note that has been added.

RETURN AREA CALCULATION- All return areas have been estimated per Typical Detail drawing 2003G (See Attached). Due to ADA Curb Ramp placement, actual distance from the Point of Curvature (PC) to the end of the return may vary. Therefore, upon completion of the paving operation, actual field area will be measured by the inspector and associated pay items will be paid accordingly.

ITEM 614 – MAINTAINING TRAFFIC, LEHMAN ROAD RECYCLING, AS PER PLAN – This item shall include all requirements (i.e. Portable Changeable Message Signs, Winchester Meadows’ Sub-Division Detour and Levi Kramer Boulevard’ Sub-Division Detour) as written below. The maintain traffic item shall be utilized during the planing, recycling, and resurfacing and berm application of Lehman Road. The item **does not** include the work required on the Bridge (o) Georges Creek (Sta. 1+79 to Sta. 2+17). See “**ITEM 614 – MAINTAINING TRAFFIC, BRIDGE WORK, AS PER PLAN**” for item requirements. **THERE ARE NO TIME RESTRICTIONS FOR THIS WORK WITH A WELL-EXECUTED MAINTENANCE OF TRAFFIC PLAN.**

The contractor shall maintain **Two-Way/One-Lane** traffic on Lehman Road within project limits. The contractor shall close Lehman Road at...

1. Gender Road (1 Each)
2. Levi Kramer Boulevard (1 Each)
3. Winchester Meadow Drive (1 Each)
4. Bowen Drive (If necessary) (1 Each)

With a total of four (4) Type III Barricades with mounted “Road Closed – Local Traffic Only” (R11-4 60” x 30”) signs.

PORTABLE CHANGEABLE MESSAGE SIGNS: The contractor shall utilize a total of Four (4) portable changeable message signs on this project.

- First, two (2) portable changeable message signs (PCMS) are to be placed on Gender Road, north and south of the intersection at Lehman Road, facing northbound and southbound traffic.
- Secondly, two (2) portable changeable message signs (PCMS) are to be placed on Bowen Road, north and south of the intersection at Lehman Road, facing northbound and southbound traffic.

The PCMS must be placed one - week in advance of beginning construction. The exact locations will be determined at the time of placement. The message shall read or some variation of “*Lehman Road to be closed for two weeks starting (DATE)*”, prior to construction,. During construction the PCMS shall read or some variation of “*Lehman Road Closed – Local Traffic Only - Use Wright Road.*”

WINCHESTER MEADOWS' SUB-DIVISION DETOUR: The contractor shall...

1. Close southbound Winchester Meadows Drive at Lehman Road with Type III Barricade with mounted "Road Closed – Local Traffic Only" (R11-4 60" x 30").
2. Winchester Meadows Drive at Meadow Passage Drive; install (1 Each) "Detour" (M4-9, 30" x 24" Right) on northeast corner, facing southbound traffic.
3. Winchester Meadows Drive at Sweet Meadow Drive; install (1 Each) "Detour" (M4-9, 30" x 24" Left) on northeast corner, facing eastbound traffic.
4. Winchester Meadows Drive at Emerald Tree Drive; install (1 Each) "Detour" (M4-9, 30" x 24" Left) on southwest corner, facing northbound traffic.
5. Winchester Crossing Boulevard at John Browning Drive/Oliver Winchester Drive; install (1 Each) "Detour" (M4-9, 30" x 24" Left) on northwest corner, facing southbound traffic.
6. Winchester Crossing Boulevard at Gender Road; install (1 Each) "End Detour" (M4-8a, 30" x 24") on northwest corner, facing eastbound traffic.

LEVI KRAMER BOULEVARD'S SUB-DIVISION DETOUR: The contractor shall...

1. Close northbound Levi Kramer Boulevard' at Lehman Road with Type III Barricade with mounted "Road Closed – Local Traffic Only" (R11-4 60" x 30").
2. Levi Kramer Boulevard at Issac Road; install (1 Each) "Detour" (M4-9, 30" x 24" Left) on northwest side of the "T" intersection, facing northbound traffic.
3. Issac Road at Winbarr Way; install (1 Each) "Detour" (M4-9, 30" x 24" Right) on northeast corner, facing southbound traffic.
4. Winchester Highlands Drive at Winbarr Way; install (1 Each) "Detour" (M4-9, 30" x 24" Right) on northwest corner, facing eastbound traffic.
5. Winchester Highlands Drive at Gender Road; install (1 Each) "End Detour" (M4-8a, 30" x 24") on northwest corner, facing eastbound traffic.

ITEM 614 – MAINTAINING TRAFFIC, BRIDGE WORK, AS PER PLAN - This item shall include all requirements (i.e. Lehman Road Detour, Levi Kramer Boulevard' Sub-Division Detour and, Portable Changeable Message Signs) as written below. In order to complete the work required on the bridge, the contractor shall restrict all access to the Bridge (o) Georges Creek by closing Lehman Road at

- Gender Road
- Some point west of the bridge
- Levi Kramer Boulevard

with three (3) Type III Barricades with mounted "Road Closed – Local Traffic Only" (R11-4 60" x 30") signs. **THERE ARE NO TIME RESTRICTIONS FOR THIS WORK WITH A WELL-EXECUTED MAINTENANCE OF TRAFFIC PLAN.**

The contractor shall utilize one (1) Law Enforcement Officer at the intersection of Gender Road and Lehman Drive to help facilitate the maintenance of traffic plan. The cost of the L.E.O. will be paid using *ITEM 614 – LAW ENFORCEMENT OFFICER (HOURS)*.

LEHMAN ROAD DETOUR: Eastbound traffic along Lehman Road, west of Levi Kramer Boulevard, shall be detoured, as written below, south along Levi Kramer Boulevard.

1. Close eastbound Lehman Road at Levi Kramer Boulevard' with a Type III Barricade with mounted "Road Closed – Local Traffic Only" (R11-4 60" x 30").

2. Lehman Road at Levi Kramer Boulevard; install (1 Each) "Detour" (M4-9, 30" x 24" Left) on northwest side of the "T" intersection, facing eastbound traffic.
3. Levi Kramer Boulevard at Issac Road; install (1 Each) "Detour" (M4-9, 30" x 24" Right) on northeast corner of the "T" intersection, facing southbound traffic.

LEVI KRAMER BOULEVARD'S SUB-DIVISION DETOUR: Vehicular traffic within the Levi Kramer Boulevard's Subdivision shall be detoured, as written below;

1. Close northbound Levi Kramer Boulevard at Lehman Road with Type III Barricade with mounted "Road Closed – Local Traffic Only" (R11-4 60" x 30").
2. Levi Kramer Boulevard at Issac Road; install (1 Each) "Detour" (M4-9, 30" x 24" Left) on northwest side of the "T" intersection, facing northbound traffic.
3. Issac Road at Winbarr Way; install (1 Each) "Detour" (M4-9, 30" x 24" Right) on northeast corner, facing southbound traffic.
4. Winchester Highlands Drive at Winbarr Way; install (1 Each) "Detour" (M4-9, 30" x 24" Right) on northwest corner, facing eastbound traffic.
5. Winchester Highlands Drive at Gender Road; install (1 Each) "End Detour" (M4-8a, 30" x 24") on northwest corner, facing eastbound traffic.

PORTABLE CHANGEABLE MESSAGE SIGNS: The contractor shall utilize a total of Two (2) portable changeable message signs on this project.

- Two (2) portable changeable message signs (PCMS) are to be placed on Gender Road, north and south of the intersection at Lehman Road, facing northbound and southbound traffic.

The exact locations will be determined at the time of placement. During construction the PCMS shall read or some variation of "*Lehman Road Closed - Use Wright Road.*"

VARIATIONS TO WORKING HOURS - Certain roadways may be better suited for daytime off peak, nighttime or weekend work, where residential or high traffic locations would not be affected. The contractor is to submit a plan indicating proposed variations to the standard working hours, as shown in the table above, at the pre-construction conference. The Construction Engineer (645-0411) must approve any variations.

**CITY OF COLUMBUS
2010 RECYCLING – EMERGENCY, 1664 DR. A
LEHMAN ROAD**



**MAINTENANCE OF TRAFFIC
CONTROL FACILITIES NOTES 2004**

**Public Service Department
Division of Design and Construction
Design Section**

Maintenance of Traffic Control Facilities Notes

RESURFACING AND CURB PROJECTS

ADDITIONS ITALICIZED

GENERAL

1. All temporary traffic control devices (TTC) shall be furnished, erected, maintained and removed by the Contractor in accordance with the Ohio Manual Of Uniform Traffic Control Devices For Construction And Maintenance Operations (Current Edition). Copies are available from the Ohio Department of Transportation, Bureau of Traffic, 1980 West Broad Street, Columbus, Ohio 43223. All devices shall comply, for condition and location, with the current edition of the NCHRP 350 Crash Testing Guidelines.
2. Construction operations shall **NOT** begin until all traffic control is in place and approved by the Division of Design and Construction. All temporary traffic control devices shall be approved for condition and location by the construction inspector before the Contractor will be allowed to begin work. If the Contractor does not comply with the standards, including the installation of temporary pavement markings and the removal of conflicting traffic controls, their permit shall be revoked and all work shall be terminated.
3. The contractor shall give advance notification (written and verbally) to the Temporary Traffic Control Coordinator at 645-6269 or 645-5845, the Columbus Paving The Way Program Coordinator at 645-7283 or 645-6016, and the Project Manager, informing them of all upcoming traffic pattern changes. Notification shall include, but not be limited to, what, where, when, and how pedestrian and vehicular traffic will be affected, and the temporary traffic control procedures the contractor is planning to use. The type of traffic change shall determine the length of advance notification required:

TYPE OF CHANGE

Detours/road closures
Lane closures lasting 2 weeks or more
Lane closures of less than 2 weeks
Lane closures of 2 days or less

ADVANCE NOTIFICATION NEEDED

30-day notification prior to closure.
2-weeks
3-days
1-day

Any other unforeseen impacts to traffic shall be immediately reported as they occur.

4. A TTC Plan (TTCP) including pedestrian control shall be submitted to the TTC Coordinator (645-6269 or 645-5845) at the pre-construction meeting or a minimum of ten (10) working days prior to beginning work. Copies of the approved TTCP shall be given to the Project Engineer and kept on site along with the Street Closure/Occupancy Permit.
5. Steady-burning Type C lights shall be required on all barricades, drums, and similar traffic control devices in use at night. Only 42" reflectorized cones shall be permitted for nighttime work with the approval of the TTC Coordinator (645-6269 or 645-5845) per O.D.O.T. standards.

6. A flashing arrow panel (48" X 96"-Type C) shall be used in lane closures as per the Ohio Manual.
7. All trenches within the road right-of-way shall be backfilled or securely plated during non-working hours.
8. "Excavated Areas" shall be protected by the use of barricades or plastic drums with Steady-Burning Type "C" lights and caution tape (plastic fence where pedestrians are involved).
9. "Wet Tar" signs shall be erected at all cross streets and at both ends of the street being paved before tacking operations begin.
10. No vertical offsets between lanes are to be exposed to traffic during non-working hours.
11. The contractor shall perform daily cleanup of the work site. All trash, including cans, bottles, food scraps, containers, and wrappers shall be properly disposed of off site and shall not be thrown in the construction area.

PERMITS

1. Prior to closure of any portion of a street or highway within the City of Columbus the Contractor shall submit the "Permit for Street Occupancy and/or Excavation", as contained in the Contract Documents, to the City Engineer for completion and issuance. The Permit for Street Occupancy and/or Excavation shall be submitted a minimum of five (5) working days prior to start of work. A copy of the submittal shall be forwarded to the Project Manager. The Contractor's Foreman shall have an Original Signature In Red Ink copy of the permit on the project site at all times. The Contractor shall fax a copy of the permit to the Project Manager at FAX (614) 645-3298. Permits can be obtained from the Division of Planning and Operation's Permit Office; phone number 645-7497
2. Access to adjoining properties shall be maintained at all times.

BUS ROUTES

1. Prior to construction the contractor shall contact Jim Hutcherson of the Central Ohio Transit Authority (C.O.T.A.) at Phone - (614)485-7418, Fax - (614)485-7400, or E-Mail - hutchersonjm@cota.com to coordinate proper bus movements through or around the job site during the project. This will include, but not be limited to, the temporary relocation or removal of C.O.T.A. signs and/or bus stop locations.
2. Seventy-two (72) hours advance notice shall be given to COTA for total street closures.

NOTIFICATION

1. Preceding the beginning of work, the Contractor is responsible for notifying residents and businesses on streets to have ramps installed and streets resurfaced. The notification shall be distributed to all residences and businesses located at each corner and those between each corner along the street.

Notification shall be two (2) weeks prior to the first day of work on that street, and shall be on the Contractor's company letterhead. If a duration of more than seven (7) working days will occur after the completion of the ramps on a street and the beginning of the resurfacing of the street, the Contractor shall re-notify the residents and businesses one (1) week prior to resuming and continuing work. **A copy of the notification to be circulated shall be presented at the pre-construction meeting for approval.** In addition, the Contractor shall submit a work list of locations and work to be performed to the Division of Design and Construction's Construction Inspection Office (645-3298) **daily** prior to beginning the work. The Contractor shall include the streets and dates when this notification is distributed on the daily work list.

PARKING RESTRICTIONS (METERS)

1. The Division of Planning and Operations will remove or cover all parking meter heads at this location put out of service by this construction. There is a \$60.00 dollar charge for the removal and reinstallation of each meter. In addition, there is a daily charge for the removal and installation of each meter. These charges will be collected from the Contractor in advance with the issuance of the Street Occupancy/Excavation Permit from the Division of Planning and Operations Permit Office.
2. Notify the Division of Planning and Operations Permit Office (645-7497) a minimum of forty-eight (48) hours (excluding Sat. & Sun.) prior to beginning work. Call 645-8376 if unable to make contact through the above number.
3. Temporary "Emergency No Parking" signs shall be installed and removed by the Contractor in areas with no parking meters. The signs shall have the installation date, working dates, and hours of restriction shown on each sign. These signs may be obtained from the Division of Planning and Operation's Permit Office. The Police Division requires the "Emergency No Parking" signs be posted a minimum of seventy-two (72) hours prior to any vehicles being towed. Within twenty-four (24) hours of posting, the Contractor shall supply the Division of Design and Construction's Inspection Section with a written record of posted locations (fax: 645-3298).

TRAFFIC CONTROL

SIGNING

1. The roadway shall NOT be opened to non-construction traffic until the critical permanent traffic controls are in place, or until temporary traffic controls approved by the engineer, are installed. The critical permanent traffic controls are STOP, YIELD, ONE WAY, DO NOT ENTER and restricted turn signs. Other critical signs may be noted on the plans as well. The Contractor assumes all liability for the premature removal of temporary traffic controls.
2. The Contractor shall maintain all permanent traffic controls not in conflict with the temporary traffic controls throughout this project. Permanent traffic controls may be temporarily relocated or covered, as approved by the Engineer. The Contractor shall assume all liability for missing, damaged, or improperly placed signs.
3. Any work done by the Division of Planning and Operations, including installation, relocation, removal and/or replacement of temporary traffic control devices as a result of work done by the Contractor or as a result of negligence of the Contractor, shall be at the Contractors' expense.

PAVEMENT MARKINGS

1. Whenever yellow centerlines or turn-lane lines are paved over, removed, or otherwise unserviceable, the Contractor shall install Class II temporary striping (minimum 4' long segments). Temporary paint shall be used on all milled surfaces. Temporary tape shall be used on all final courses of asphalt. Paint or tape may be used on intermediate courses of asphalt. If approved by the Engineer, drums with steady burning Type C lights and "KEEP RIGHT" signs may be substituted for centerline markings.
2. Class II temporary striping (minimum 4' long segments) shall be as per Item 614 - Work Zone Pavement Marking and shall be placed within one (1) foot longitudinal tolerance of the permanent stripe(s). All temporary striping not to within one (1) foot tolerance shall be removed and replaced in the proper location by the Contractor. Class II temporary striping shall be of the appropriate color and spaced a maximum of forty (40) feet center to center.

All Temporary Striping in place before opening the pavement to traffic shall be as follows:

Interstate/Freeway/Expressway - Full Class I

Arterial - Class I (Centerline) & Class II, minimum 4' length (Lane Line)

NonArterial - Class II, for all with minimum 4' length

Downtown (area bordered by I-71, I-70, I-670, and SR-315) - Class II, for all with minimum 4' length.

If weather restricts the installation of Temporary Striping, the Contractor shall place drums with lights for temporary centerline(s) with "Keep Right" signs at all intersections for both directions.

3. Division of Design and Construction personnel shall inspect and approve all premarked roadways before permanent markings are applied. The Construction Supervisor or Area Engineer shall be notified at least three working days prior to any premarking operation at 645-3182.

4. Permanent striping or Class I Temporary Striping shall be installed no later than fourteen (14) days after the finish paving course is completed. The Paving Contractor shall be responsible to notify the Striping Contractor to ensure the permanent striping is installed within the 14-day limit. If the City of Columbus is to install the permanent striping, the Construction Supervisor or Area Engineer shall be notified at 645-3182.

SIGNALS

1. No excavation shall be made within five (5) feet of any pole that supports traffic signal displays or signs by mast arm or signal span. Excavation within eight (8) feet, but more than five (5) feet shall require additional support (down guy, head guy, base guy, etc.). The Contractor shall contact Signal Operations personnel (645-0423 cell 419-4501) cell forty eight hours excluding Saturday and Sunday prior to the beginning of excavation, so that the City could approve the stabilization setup by the Contractor. Stabilization will be done by the Contractor at the Owners'/Contracting Agency's expense.
2. Any work done by the Division of Planning and Operations, including installation, relocation, removal and/or replacement of temporary traffic control devices as a result of work done by the Contractor or as a result of Negligence of the Contractor, shall be at the Contractors' expense.
3. When any traffic control device, conduit, or cable gets damaged, the Contractor shall notify Signal Operations personnel at (645-0423 cell 419-4501) cell between 8:00 am and 4:00 pm, Monday through Friday. At other times or if the Signal Operation personnel cannot be reached, contact the Signal Maintenance shop at 645-7393, leaving a message on the answering machine if necessary.
4. The Division of Planning and Operations shall locate and mark all underground traffic control cables. The Division of Planning and Operation's Traffic Maintenance Shop shall be notified (645-7393; fax 645-5967) at least forty-eight (48) hours (excluding Sat. & Sun.) prior to the beginning of any work within 450 feet of any signalized intersection(s) or within any posted area where the Division has underground cable. The Signal Operations Engineer (645-6418) shall be notified six (6) weeks in advance for signal revisions or pole relocations.
5. At any location where the Contractor damages detectors and/or their lead-in cables the Contractor shall replace them. At any location where detection is changed from mag probe units to loops, the Contractor shall replace the probe lead-in with loop lead-in cable. **ALL REPAIRS TO DETECTION SHALL BE COMPLETED WITHIN 21 DAYS FROM DAMAGE TO DETECTION ON A PER INTERSECTION BASIS.** Any Contractor failing to comply with these guidelines SHALL BE SUBJECT TO PENALTY TO THE SUM OF \$100.00 PER DAY for each day beyond the 21 day repair period on a per intersection basis, until conditions are met to the satisfaction of the Signal Operations engineering personnel. This Penalty Deduction shall be specific for each signalized intersection effected by this project and separate from any Liquidated Damages for the project as a whole. The work to install the detection shall conform to O.D.O.T. Standard Construction Drawing TC-82.10 (dated 4/19/02 or later) and to the current State of Ohio Construction and Material Specifications with the following provisions:

- a. The contractor shall provide the Signal Operations representative prior to the commencement of work, the IMSA (International Municipal Signal Association) certification papers for all signal technicians working on this project.
- b. Locations of the replacement detection shall be field marked or dimensioned drawings submitted to the Inspection Section by Signal Operation personnel. Location of final pavement markings or the markings themselves shall be clearly indicated on the asphalt prior to detector locations being marked. The contractor shall layout the loops on the pavement if drawings are submitted. Contact Signal Operations personnel (645-0423 cell 419-4501) cell at least two working days prior to needing the location marked if drawings are not provided.
- c. The saw slot depth for loop wire installation shall be four (4) inches with six (6) inches at the conduit entrance. If adverse pavement conditions warrant, depth may be increased to six (6) inches throughout. This will be determined by the Signal Operations representative.
- d. Each loop shall have a dedicated conduit from two (2) feet from edge of road bed (travel lane portion) to pull box unless specified otherwise by the Signal Operations representative. New conduits shall be installed with all loops. This requirement may be waived by Signal Operations engineering personnel only.
- e. When a pull box is not used, the soldered splice shall be made in an anchor base strain pole or a conduit riser specified by the Signal Operations representative, except where a controller cabinet is mounted on that pole in which case the loop wire shall be routed directly into the cabinet.
- f. The pull box assembly shall be rated as medium to heavy duty, to be installed in concrete walkways, and shall have all stainless steel hardware. The pull box cover shall have the word "TRAFFIC" on it. The cover shall be bolted to the box and shall be either polymer concrete or steel plate. The cover plus housing as a unit shall be rated to withstand a minimum 20,000 lb. static load over a 10"x10" area per ASTM C-857. The box shall be 11" x 18" x 18" depth. If the project does not specify 713.08 concrete pull boxes, the supplied assemblies shall be as follows: CDR Systems model SA32-1015-18, or Synertech model S1118B18FA. Six (6) inches of #4 aggregate shall be placed at the bottom of the pull box. No conduit shall protrude more than three (3) inches inside the pull box. Conduit ells or extensions may be used to align the conduit with the housing. The cost for extensions or ells if needed shall be incidental to the per unit price.
- g. The Contractor shall not make any wiring connections or adjustments inside the Control Cabinet. When such connections are required, the Contractor shall notify the Division of Planning and Operations Traffic Maintenance shop (645-7393, Mon.-Fri., 8 am to 4 pm) to schedule City of Columbus Traffic Maintenance personnel for making the actual connections. The Contractor shall be available at the agreed time. The Contractor will be billed for any time that CITY forces are required to wait for the Contractors' work to be completed.
- h. Conduit placed in "right of way" areas bearing no traffic for detector lead in shall be ODOT 713.07 DB. Conduit placed under a roadway or in areas that may bear traffic shall be ODOT 713.04 (sizes and type to be determined by Signal Operations personnel on per location basis); all conduits shall be placed at a minimum depth of 24 inches.
- i. Loop wire shall be identified with a plastic tag (WBLT, EBRT, etc.) at the splice point or at entrance to the cabinet if lead-in cable is not used.

- j. The items for the replacement of Division of Planning and Operations detection items are described herein. Please note the following items are paid for differently depending on the type of contract being bid.

The following summary identifies how these items are paid:

- Joint Resurfacing/WCR Projects: The following items are estimates intended for the purpose of bidding this project. The quantities are included as bid items in the "Resurfacing Item Summary" located in the contract. Any work necessitating the use of these items is paid for under the contract bid price.
- WCR Projects Only: The following items ARE NOT included in the item summary provided with the contract. Any work necessitating the use of these items is paid for under FORCE ACCOUNT as directed by the Engineer

The following is a list of the items projected for use in detector replacement for this project:

Item	Unit	Item Description
632	LF	Conduit Riser, 1 or 2 inch diameter
625	EACH	Ground Rod
625	LF	Conduit 1, 1 1/2, or 2 inch (as per plan)
625	LF	Trench
625	EACH	Pullbox (as per plan)
632	EACH	Detector Loop, As Per Plan
632	LF	Loop Detector Lead-in Cable
632	LF	Lash / Unlash Cable

- h. The Contractor shall notify Signal Operations personnel at (645-0423 cell 419-4501) after all Loops have been installed at each intersection. Signal Operations personnel shall inspect all sensors and test as necessary. The contractor shall replace at contractors cost any loops not meeting specifications.
- i. Item 632 – Detector Loop, As Per Plan shall include all labor, materials, equipment and incidentals necessary to install the loop per ODOT Standard Drawing TC-82.10 (Dated: 4/19/02), including the City of Columbus requirement of one raceway per loop.
- j.
- k. Item 632 – Loop Detector Lead In Cable, (LF) to be installed per direction of the Signal Operations representative.

WORKING HOURS

1. RESIDENTIAL AREAS - There shall be no working-hour restrictions as long as traffic is to be maintained. If a street is to be totally closed, working hours shall be restricted from 8:00 a.m. to 5:00 p.m. M-F, dawn to dusk Saturday or Sunday.
2. DOWNTOWN BUSINESS DISTRICT (DBD) No work shall be performed between the hours of 6:00 a.m. to 9:00 a.m. and 3:00 p.m. to 7:00 p.m. M-F (no restrictions on Saturday or Sunday) within the DBD (area bordered by I-71, I-70, I-670, and SR-315).
3. RESTRICTED PARKING HOURS - No work shall be performed on streets in the direction in which peak hour restrictions are posted. Work may be done on the unrestricted direction as long as traffic is maintained without crossing the centerline and congestion does not develop.
4. ARTERIAL STREETS - No work shall be performed between the hours of 6:00 a.m. to 9:00 a.m. and 4:00 p.m. to 8:00 p.m. M-F (no restrictions on Saturday or Sunday) on streets with full-time parking restrictions. Work may be performed in the "off peak" direction at the discretion of the Engineer and the Temporary Traffic Control Coordinator.
5. Any changes in working hours or the number of lanes to be closed shall be approved by the Temporary Traffic Control Coordinator (614 645-6269) and the Project Engineer.
6. FREEWAYS - No work shall be performed on any section of the interstate/expressway/freeway system between the hours of 5:00 a.m. to 9:00 a.m. and 3:00 p.m. to 8:00 p.m. weekdays unless approved by the Engineer and the Temporary Traffic Control Coordinator.

No lane closure(s) shall be permitted on any innerbelt freeway or connector roadway within the innerbelt between the hours of 5:00 a.m. to 8:00 p.m. weekdays. The innerbelt is defined as I-670 on the North, I-70 on the South, SR-315 on the West, I-71 on the East.

No lane closure(s) shall be permitted on any two-lane section of roadway between the hours of 5:00 a.m. to 8:00 p.m. weekdays.

Only one-lane may be closed between the hours of 9:00 a.m. to 3:00 p.m. weekdays on three (3) or four (4) lane sections of the roadway.

Between the hours of 8:00 p.m. and 5:00 a.m. weekdays and anytime on weekends when more than one-lane is closed all entrance ramps shall be closed within and leading into the work area. In addition to ramp closures all turn slots, etc. leading to the entrance ramps shall be closed.

7. TOTAL CLOSURE - At the discretion of the Engineer, and with the approval of the Division of Planning and Operations, two-way, two-lane roads may be closed during working hours, provided applicable permits and appropriate traffic control are approved.

The Contractor shall provide, at the contractor's expense, 2 Special-Duty City of Columbus Police Officers with 2 Cruisers for the purpose of controlling traffic during any total closure. The Contractor shall make arrangements for the services through the Deputy Chief Service Sub-division, Columbus Police Division, (614) 645-4795. Special Duty Police Officers are considered to be employed by the Contractor, and the Contractor shall be responsible for their actions. They shall conform to all plan notes, drawings and permit conditions which apply to the Contractor.

FLAGGING OPERATIONS

1. Flaggers and L.E.O.'s shall be equipped according to the standards for flagging traffic contained in the OMUTCD. Flagging operations shall only be permitted as long as all traffic control is in place according to C-18 of the Ohio Manual. This applies to both flaggers and L.E.O.'s.
2. DOWNTOWN BUSINESS DISTRICT (DBD) - Uniformed law enforcement officer(s) (L.E.O.) shall be utilized when performing any work within the DBD (area bordered by I-71, I-70, I-670, SR-315).
3. ARTERIAL STREETS - L.E.O.'s shall be utilized for work being conducted on arterial roadways under the following conditions:
 - a. On two-way, two-lane streets with one lane closed and/or restricted by equipment, two L.E.O.'s shall be utilized.
 - b. On two-way streets consisting of three or more lanes and if two-way, two-lane traffic can NOT be achieved, L.E.O.'s shall be utilized.
 - c. L.E.O.'s shall be utilized to assist in controlling traffic while equipment is entering or exiting any intersection or a work zone.
4. RESIDENTIAL STREETS - L.E.O.'s or flaggers are required whenever two-way, one-lane traffic is established where at least one of the following conditions exist;
 - a. the sight distance is limited by curves, intersections, etc.,
 - b. work limits are longer than fifty feet (50') for stationary work zones (i.e. cut-outs), or
 - c. for mobile work zones (i.e. paving, planing, etc.).

When equipment is entering or exiting a residential work zone at a signalized intersection and where a residential street intersects an arterial street, L.E.O.'s shall be utilized to assist in controlling traffic. Flaggers may be utilized on all other residential intersections.

5. The CONTRACTOR shall make arrangements for uniformed law enforcement officers through the Columbus Police Division (614 645-4795) at the CONTRACTOR'S expense. L.E.O.'s shall conform to all permit conditions which apply to the CONTRACTOR.

NOTE: It is the responsibility of the CONTRACTOR to make sure that these duties are being performed by the respective L.E.O. or flagger.

NOTE: Payment for flaggers will only be made for the actual number of hours the individual is performing flagging duties as described herein.

PEDESTRIANS

1. The Contractor shall be responsible for the protection and safe movement of pedestrians through, around, or detoured away from the construction site. Traffic control for pedestrian movement shall be as per figures TA-28 and TA-29 of Part VI of the Federal Manual of Uniform Traffic Control Devices.
2. Access for pedestrian and vehicular traffic to all adjoining properties shall be maintained at all times.

MISCELLANEOUS

1. **BRIDGES** - The Contractor is not to pave under or over a bridge unless the plan has given you specific instructions to do so. This precaution is to prevent overloading a bridge deck or reducing the clearance in an underpass.
2. **DUMP TRUCKS** - All trucks hauling asphalt mixes or aggregates are to be tarped while traveling with a load. This is City code (Section 2139) and Ohio law. Tarps are to be tightly secured to minimize heat loss.

**CITY OF COLUMBUS
2010 RECYCLING – EMERGENCY, 1664 DR. A
LEHMAN ROAD**



WORKSHEETS

**Public Service Department
Division of Design and Construction
Design Section**

FIELD SURVEY
 PLAN SHEET
 MLID: 6156

CITY OF COLUMBUS, OHIO
 DIVISION OF DESIGN AND CONSTRUCTION
 DESIGN SECTION
 RECYCLING 2010 EMERGENCY, 1664 DR. A

DATE: 4/23/2010
 CHECKED: CD
 ZONE: 4

Street:	LEHMAN RD		
Improvements:	402 OVERLAY (1-1/2")	404 OVERLAY (1-1/2")	BERM
	FULL DEPTH RECLAMATION	MAINTAINING TRAFFIC	MAINTAINING TRAFFIC
	PLANING	WATERPROOFING	

From:	GENDER RD (EEP)	Start Sta:	+00
To:	181' E/ LEHMAN MEADOWS DR (CORP)	End Sta:	52+63

PROJECT AREA AND LENGTH SUMMARY					
Project Lengths		Project Widths		Project Areas	
Work Limit (LF):	5,263.00	Min Width (LF):	18	Work Limit (SY):	11117.11
Deduct(LF):	181.00	Max Width (LF):	24	Conn. St. (SY):	377.90
Total (LF):	5,082.00			Deducts (SY):	-482.67
				Median (SY):	0.00
				Total (SY):	11013

Area, Length Totals are rounded to the nearest whole number. Worklimit project area includes 'Anomalies'.

NOTES:
 SEE SPECIAL NOTES ANDDETAIL DRAWING FOR ADDITIONAL INFORMATION. ODD AREA = (1)RADII @ GENDER RD = 90 S.Y.(2) STA. 23+20 TO STA. 24+26 = 86 S.Y. (3) D/W FEATHERING = 139 S.Y.

ANOMALIES:		
Count:	Type:	Area (SY):
3	ODD AREA	318.00

TERM DATA: (See Detail Drawing 2003 G)			
Street:	Dir:	Radii:	Area (SY):
GENDER RD (EEP)	W	Yes	19.10
181' E/ LEHMAN MEADOWS DR (CORP)	E	-	0.00

PAVEMENT WIDTH DATA: (Area (SY) Represents Planing Area Only)											
Start Sta.	End Sta.	Width	Taper	Area (SY)	Planing	Start Sta.	End Sta.	Width	Taper	Area (SY)	Planing
+00	+50	18	-	100.00	Taper Planing	+50	1+79	18	-	0.00	-
1+79	2+17	18	-	0.00	-	2+17	25+48	18	-	0.00	-
25+48	26+00	24	-	138.67	Taper Planing	26+00	27+81	24	-	0.00	-
27+81	28+31	24	-	133.33	Taper Planing	28+31	28+75	24	19	0.00	-
28+75	34+58	19	-	0.00	-	34+58	35+04	19	18	0.00	-
35+04	52+63	18	-	0.00	-						

CONNECTING STREETS: (See Detail Drawing 2003 G)									
Street:	Dir:	Radii:	Returns:	Area (SY):	Street:	Dir:	Radii:	Returns:	Area (SY):
LEHMAN VILLIAGE BLVD	N	-	Yes	89.70	LEVI KRAMER BLVD	S	-	Yes	89.70
WINCHESTER MEADOWS	N	-	Yes	89.70	LEHMAN MEADOWS DR	N	-	Yes	89.70

INTERSECTIONS WITHIN PROJECT LIMITS NOT TO BE IMPROVED (DEDUCTS):									
Street:	Start:	End:	Width:	Area SY	Street:	Start:	End:	Width:	Area SY
DO NOT MILL/PAVE	26+00	27+81	24	-482.67					

CUTOUT AREAS: (Location Field Designates Specific Field Location i.e. House Address)											
Start Sta.	End Sta.	Length	Width	Qty (CY)	Location	Start Sta.	End Sta.	Length	Width	Qty (CY)	Location
25+48	26+00	52.00	4.00	5.78	A	26+35	27+81	146.00	4.00	16.22	B

GENERAL MATERIAL SUMMARY:		
Description	Quantity	Units
202 WEARING COURSE REMOVED	76	SQ YD
203 EXCAVATION	33	CU YD
209 LINEAR GRADING (RESHAPING BERM)	10,450	LIN FT
251 PARTIAL DEPTH PAVEMENT REPAIR, AS PER PLAN	22	CU YD
254 PAVEMENT PLANING (1" TO 3")	929	SQ YD
402 ASPHALT CONCRETE (1 1/2")	918	TON
404 ASPHALT CONCRETE 1-1/2"	918	TON
407 COVER AGGREGATE	30	TON
407 TACK COAT, RUBBER	1,102	GALLON
408 BITUMINOUS PRIME COAT	2,323	SQ YD
409 SEAL COAT BITUMINOUS MATERIAL	697	GALLON
409 SEAL COAT COVER AGGREGATE	24	TON
411 STABILIZED CRUSHED AGGREGATE	128	CU YD
512 TYPE III WATERPROOFING	76	SQ YD

FIELD SURVEY

CITY OF COLUMBUS, OHIO

DATE: 4/23/2010

PLAN SHEET

DIVISION OF DESIGN AND CONSTRUCTION

CHECKED: CD

DESIGN SECTION

MLID: 6156

RECYCLING 2010 EMERGENCY, 1664 DR. A

ZONE: 4

GENERAL MATERIAL SUMMARY:

Description	Quantity	Units
519 PATCHING CONCRETE STRUCTURE	137	SQ FT
604 MONUMENT BOX ADJUSTED TO GRADE	1	EACH
614 MAINTAINING TRAFFIC, BRIDGE WORK, AS PER PLAN	1	LUMP SUM
614 MAINTAINING TRAFFIC, LEHMAN ROAD RECYCLING, AS PER PLAN	1	LUMP SUM
623 CONSTRUCTION LAYOUT STAKES	1	LUMP SUM
SPECIAL FULL DEPTH RECLAMATION	10,937	SQ YD
SPECIAL LAW ENFORCEMENT OFFICER	200	HOUR

BERM:

Start Sta.	End Sta.	Side:	Width:	Area (SY)	Start Sta.	End Sta.	Side:	Width:	Area (SY)
+00	1+79	N+S	2	79.56	2+17	52+63	N+S	2	2242.67

STRUCTURE LOCATIONS FOR ADJUSTMENT TO GRADE:

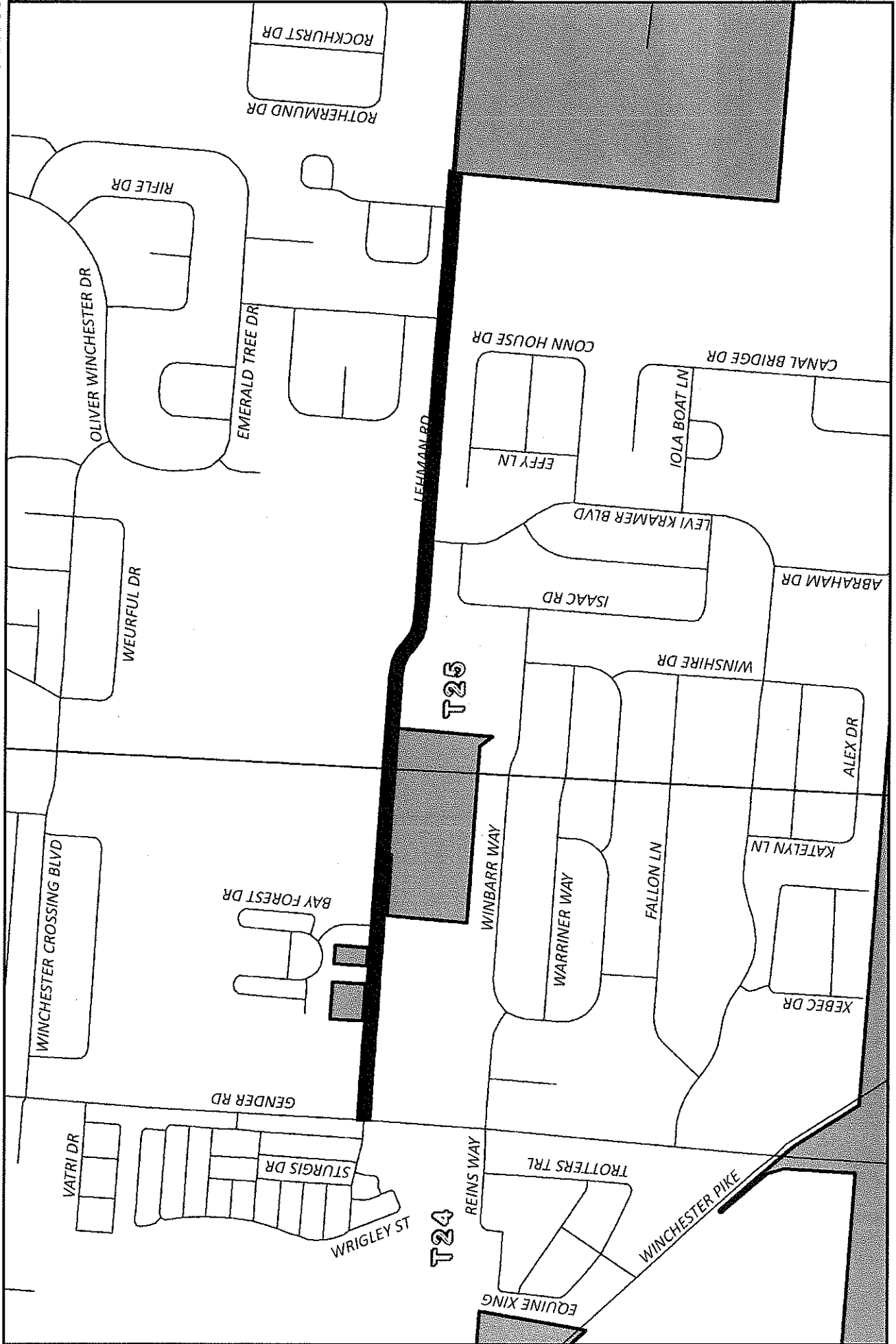
Station	Structure	Owner	Station	Structure	Owner

TRAFFIC DATA:

Street Type:	COLLECTOR	Parking Meters:	NO	Raised PVMT Mrkrs:	NO
Number of Lanes:	2	Oneway Street:	NO	Pavement Markings:	NO
Street Parking:	NO	COTA Bus Route:	NO	Existing ADA Ramps:	NO

CITY OF COLUMBUS - PUBLIC SERVICE DEPARTMENT - DIVISION OF DESIGN AND CONSTRUCTION
2010 RECYCLING - EMERGENCY, 1664 DR. A (LEHMAN ROAD)

LOCATION MAP

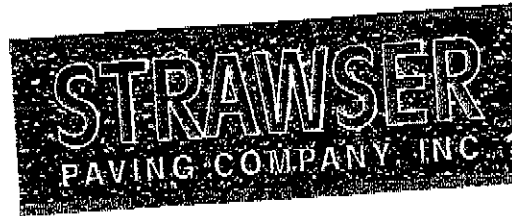




CITY OF COLUMBUS - PUBLIC SERVICE DEPARTMENT - DIVISION OF DESIGN AND CONSTRUCTION
2010 RECYCLING - EMERGENCY, 1664 DR. A (LEHMAN ROAD)
ENGINEER'S ESTIMATE



REF #	ITEM #	DESCRIPTION	QUANTITY	UNITS	UNIT COST	TOTAL COST	STRAWERS'S UNIT COST 4/27/10	STRAWERS'S TOTAL COST 4/27/10
RESURFACING								
1	202	WEARING COURSE REMOVED	76	SQ YD	\$12.00	\$912.00	\$38.00	\$2,888.00 (\$1,976.00)
2	203	EXCAVATION	33	CU YD	\$39.80	\$1,313.40	\$68.95	\$2,275.35 (\$961.95)
3	209	LINEAR GRADING (RESHAPING BERM)	10,450	LN FT	\$1.10	\$11,495.00	\$0.21	\$2,194.50 \$9,300.50
4	251	PARTIAL DEPTH PAVEMENT REPAIR, AS PER PLAN	22	CU YD	\$269.40	\$5,926.80	\$325.00	\$7,150.00 (\$1,223.20)
5	254	PAVEMENT PLANING (1" TO 3")	929	SQ YD	\$7.35	\$6,828.15	\$5.65	\$5,248.85 \$1,579.30
6	402	ASPHALT CONCRETE (1 1/2")	918	TON	\$68.85	\$63,204.30	\$73.00	\$67,014.00 (\$3,809.70)
7	404	ASPHALT CONCRETE 1-1/2"	918	TON	\$70.06	\$64,315.08	\$80.00	\$73,440.00 (\$9,124.92)
8	407	COVER AGGREGATE	30	TON	\$31.75	\$952.50	\$10.00	\$300.00 \$652.50
9	407	TACK COAT, RUBBER	1,102	GALLON	\$2.33	\$2,567.66	\$1.65	\$1,818.30 \$749.36
10	408	BITUMINOUS PRIME COAT	2,323	SQ YD	\$10.88	\$25,274.24	\$2.05	\$4,762.15 \$20,512.09
11	409	SEAL COAT BITUMINOUS MATERIAL	697	GALLON	\$45.13	\$31,455.61	\$5.00	\$3,485.00 \$27,970.61
12	409	SEAL COAT COVER AGGREGATE	24	TON	\$1,310.80	\$31,459.20	\$165.00	\$3,960.00 \$27,499.20
13	411	STABILIZED CRUSHED AGGREGATE	128	CU YD	\$413.00	\$52,864.00	\$63.75	\$8,160.00 \$44,704.00
14	512	TYPE III WATERPROOFING	76	SQ YD	\$30.00	\$2,280.00	\$40.00	\$3,040.00 (\$760.00)
15	519	PATCHING CONCRETE STRUCTURE	137	SQ FT	\$180.00	\$24,660.00	\$90.00	\$12,330.00 \$12,330.00
16	604	MONUMENT BOX ADJUSTED TO GRADE	1	EACH	\$232.00	\$232.00	\$75.00	\$75.00 \$157.00
17	614	MAINTAINING TRAFFIC, BRIDGE WORK, AS PER PLAN	1	LUMP SUM	\$7,500.00	\$7,500.00	\$5,250.00	\$5,250.00 \$2,250.00
18	614	MAINTAINING TRAFFIC, LEHMAN ROAD RECYCLING, AS PER PLAN	1	LUMP SUM	\$13,500.00	\$13,500.00	\$10,100.00	\$10,100.00 \$3,400.00
19	623	CONSTRUCTION LAYOUT STAKES	1	LUMP SUM	\$2,500.00	\$2,500.00	\$300.00	\$300.00 \$2,200.00
20	SPECIAL	FULL DEPTH RECLAMATION	10,937	SQ YD	\$7.80	\$85,308.60	\$7.90	\$86,402.30 (\$1,093.70)
21	SPECIAL	LAW ENFORCEMENT OFFICER	200	HOURL	\$43.25	\$8,650.00	\$45.00	\$9,000.00 (\$350.00)
SUMMARY								
PROJECT SUBTOTAL:						\$443,198.54		\$309,193.45 \$134,005.09
FORCE ACCOUNT:						\$44,319.85		\$96,795.27 (\$52,475.42)
ASPHALT BINDER ADJUSTMENT:						\$0.00		\$0.00
CONSTRUCTION TOTAL:						\$487,518.39		\$405,988.72 \$81,529.67
INSPECTION (10% OF CONSTRUCTION TOTAL):						\$48,751.84		\$34,011.28 \$14,740.56
LEGISLATIVE TOTAL:						\$536,270.23		\$440,000.00 \$96,270.23



Unit prices for work on Lehman Road. We will need to know a start date so we can schedule the message boards to be installed one week in advance for the bridge work. The bridge work will take one to two weeks, then we have four to five days for FDR and five days for cure then we can start paving and berming items. This is for both the City portion and Township portion we got last week.

Mark

**Recycling 2010 Emergency, 1664 DR.A, Lehman Road
Recycling**

Ref. No.	Item Description	Quantity	Units	Unit Cost	Total
				\$ 38.00	\$ 2,888.00
1	202 Wearing Course Removed	76	sy	\$ 68.95	\$ 2,275.35
2	203 Excavation	33	cy	\$ 0.21	\$ 2,194.50
3	209 Linear Grading(Reshaping Berm)	10,450	lf	\$ 325.00	\$ 7,150.00
4	251 Partial depth pavement repair, as per plan	22	cy	\$ 5.65	\$ 5,248.85
5	254 Pavement Planing	929	sy	\$ 73.00	\$ 67,014.00
6	402 asphalt Concrete	918	ton	\$ 80.00	\$ 73,440.00
7	404 asphalt Concrete	918	ton	\$ 10.00	\$ 300.00
8	407 Cover aggregate	30	ton	\$ 1.65	\$ 1,818.30
9	407 Tack Coat, Rubber	1,102	gal	\$ 2.05	\$ 4,762.15
10	408 Bituminous Prime Coat	2,323	sy	\$ 5.00	\$ 3,485.00
11	409 Seal Coat Bituminous material	697	gal	\$ 165.00	\$ 3,960.00
12	409 Seal Coat Cover aggregate	24	ton	\$ 63.75	\$ 8,160.00
13	411 Stabalized Crushed aggregate	128	cy	\$ 40.00	\$ 3,040.00
14	512 Type III waterproofing	76	sy	\$ 90.00	\$ 12,330.00
15	519 Patching Concrete Structure	137	sf	\$ 75.00	\$ 75.00
16	604 Monument Box Adjusted to grade	1	ea	\$ 5,250.00	\$ 5,250.00
17	614 Maintaing Traffic, Bridge work, as per plan	1	ls	\$ 10,100.00	\$ 10,100.00
18	614 Maintaing Traffic, Lehman Road Recycling, as per plan	1	ls	\$ 300.00	\$ 300.00
19	623 Construction Layout Stakes	1	ls	\$ 7.90	\$ 86,402.30
20	Special Full Depth Reclamation	10,937	sy	\$ 45.00	\$ 9,000.00
21	Special Law Enforcement Officer	200	hour		\$ 309,193.45
	Total				

EXHIBIT B
WORKERS' COMPENSATION PROOF OF
COVERAGE



Bureau of Workers' Compensation

30 W. Spring St.
Columbus, OH 43215

Certificate of Premium Payment

This certifies the employer listed below has paid into the Ohio State Insurance Fund as required by law. Therefore, the employer is entitled to the rights and benefits of the fund for the period specified. For more information, call 1-800-OHIOBWC.

This certificate must be conspicuously posted.

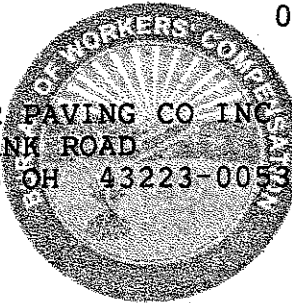
Policy No. and Employer

Period Specified Below

294130

01/01/2010 THRU 08/31/2010

STRAWSER PAVING CO INC
1595 FRANK ROAD
COLUMBUS OH 43223-0053



ohiobwc.com

Maisha P. Ryan
Administrator

You can reproduce this certificate as needed.

Ohio Bureau of Workers' Compensation

Required Posting

Effective Oct. 13, 2004, Section 4123.54 of the Ohio Revised Code requires notice of rebuttable presumption. Rebuttable presumption means an employee may dispute or prove untrue the presumption (or belief) that alcohol or a controlled substance not prescribed by the employee's physician is the proximate cause (main reason) of the work-related injury.

The burden of proof is on the employee to prove the presence of alcohol or a controlled substance was not the proximate cause of the work-related injury. An employee who tests positive or refuses to submit to chemical testing may be disqualified for compensation and benefits under the Workers' Compensation Act.



Bureau of Workers' Compensation

You must post this language with the certificate of premium payment.

EXHIBIT C
CERTIFICATE(S) OF INSURANCE

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
04/30/2010

PRODUCER
Kernan Insurance Agency, Inc.
9932 Brewster Lane

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED
Powell OH 43065
Strawser Paving Co., Inc.
1595 Frank Road
Columbus OH 43223

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Erie Insurance Group	
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR	INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A		GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	Q48 0152061	12/01/09	12/01/10	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea. occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A		AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> Comp. \$1,000 Ded. <input checked="" type="checkbox"/> Coll. \$1,000 Ded.	Q12 5140039	12/01/09	12/01/10	COMBINED SINGLE LIMIT (Ea. accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
		GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				
A		EXCESS/UMBRELLA LIABILITY <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE RETENTION \$	Q36 0170674	12/01/09	12/01/10	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$ \$ \$
A*		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below OTHER	Q48 0152061	12/01/09	12/01/10	WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

Any person who with intent to defraud or knowing that he is facilitating a fraud against an insurer submits an application or files a claim containing a false or deceptive statement is guilty of insurance fraud.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

* Ohio Stop Gap Only

CERTIFICATE HOLDER

City of Columbus
109 N. Front Street
Columbus, OH 43215

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Harold A. Kern <SD>

EXHIBIT D
MAYOR'S DECLARATION OF EMERGENCY



City of Columbus
Mayor Michael B. Coleman

Department of Public Service

Mark Kelsey, Director

April 27, 2010

The Honorable Michael B. Coleman
Mayor
City of Columbus
90 West Broad Street
Columbus, OH 43215

RE: Declaration of Emergency
Lehman Road Roadway Rehabilitation
Cost: \$440,000.00

Dear Mayor Coleman:

We have determined it to be immediately necessary to perform an emergency rehabilitation of a section of Lehman Road (see attached map) in cooperation with the Madison Township Trustees who own a connecting portion of this right-of-way. The roadway has experienced rapid deterioration through this past winter, to the point where it can no longer be economically maintained. The Madison Township Trustees have obtained competitive bids and have identified the Strawser Paving Company, Inc. hereinafter Strawser as the lowest and best bidder. Department of Public Service engineering personnel have negotiated a cost estimate with Strawser, in order to allow Strawser to perform work on that portion within the city of Columbus in conjunction with Strawser's work for Madison Township. This combined effort will allow us to effectuate an expedited and coordinated rehabilitation effort, to the mutual benefit of City of Columbus and township residents.

In accordance with Section 329.27 of Columbus City Codes, and with your authority as Mayor of the City of Columbus, I respectfully request this situation be declared an emergency affecting the public peace, health, safety, welfare and property, and requiring extraordinary measures for its resolution.

In order to facilitate this emergency roadway rehabilitation, we respectfully request the authority to enter into contract with the Strawser Paving Company, Inc. in the amount of up to \$400,000.00; and \$40,000.00 to provide for payment of construction administration and inspection services performed by our Division of Design and Construction.

The Division of Planning and Operations will provide funding for these services from the Street Construction Maintenance and Repair Fund No. 265; OCA 591108, OL3 3, OL3 ~~6634~~, until such time as an ordinance can be prepared and submitted to City Council authorizing the appropriation and expenditure of capital funds.

3336
31-44/2354

614-645-8290 Director's Office
614-645-8376 Office of Support Services
614-645-3111 311 Service Center
614-645-8376 Division of Mobility Options
614-645-8376 Division of Design and Construction
614-645-8376 Division of Planning and Operations
614-645-2420 Division of Refuse Collection

City Hall, 90 West Broad Street, 3rd Floor, Columbus, Ohio 43215-9023
109 North Front Street, Ground Floor Columbus, Ohio 43215-5036
1111 East Broad Street, Columbus, Ohio 43205
109 North Front Street, 2nd Floor, Columbus, Ohio 43215-9023
109 North Front Street, 3rd Floor, Columbus, Ohio 43215-9023
109 North Front Street, 3rd Floor, Columbus, Ohio 43215-9023
2100 Alum Creek Drive, Columbus, Ohio 43207-1705

FAX: 614-645-7805
FAX: 614-645-7549
FAX: 614-645-3053
FAX: 614-645-6938
FAX: 614-645-6938
FAX: 614-645-6938
FAX: 614-645-6938
FAX: 614-645-7296

The Honorable Michael B. Coleman
April 27, 2010
Page 2

I urge your concurrence of this Declaration of Emergency. If you have any questions in this matter, please contact me at your convenience.

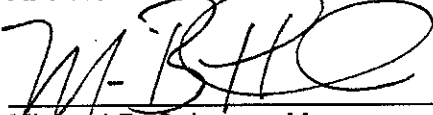
Sincerely,



Mark G. Kelsey
Director

cc: The Honorable Hugh J. Dorrian, City Auditor
The Honorable Michael C. Mentel, President, Columbus City Council
Columbus City Council Members
Paul Rakosky, Director, Department of Finance and Management
Hassan Zahran, Administrator, Division of Design and Construction

APPROVAL OF DECLARATION OF EMERGENCY:

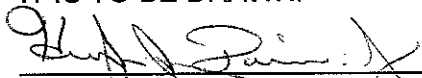


Michael B. Coleman, Mayor

4/27/10

Date

CITY AUDITOR CERTIFIES THAT THE EXPENDITURE OF MONEY REQUIRED FOR THIS EMERGENCY IS IN THE TREASURY, TO THE CREDIT OF THE FUND WHICH IT IS TO BE DRAWN:



Hugh J. Dorrian, City Auditor

4/27/10

Date

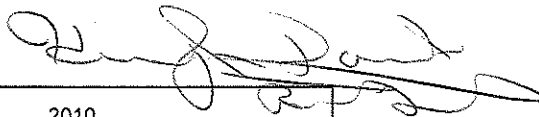
31 4412354
Straswer Paving Contract:

Fund No.: 265
Document: EA007953
Amount: \$400,000.00

31 6400223
Internal Services-Construction Inspection

Fund No.: 265
Document: EA007952
Amount: \$40,000.00

Install
Document Detail List
Month 4 Year 2010

Mayerc Emg Det ed 4-27-10


Document Department:	90 Document # Dept	Fiscal Year:	2010
Document Number:	EA007953	Document Status:	POST
Post Date:	04/29/2010	User ID:	MCDANIELB

Transaction Status: ALL

Line No	Department	T-Code	OCA	Object Level 3/4	Vendor Name	Trans Amt	Reverse	Status
1	59	210	591108	3336	STRAWSER PAVING COMP	400,000.00	No	POST
Total Trans Amount:						400,000.00		

Install
Document Detail List
Month 4 Year 2010

Mapc Eng dated 4-27-10



Document Department:	90 Document # Dept	Fiscal Year:	2010
Document Number:	EA007952	Document Status:	POST
Post Date:	04/29/2010	User ID:	MCDANIELB

Transaction Status: ALL

Line No	Department	T-Code	OCA	Object Level 3/4	Vendor Name	Trans Amt	Reverse	Status
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Total Trans Amount:						40,000.00		