

**COUNTY OF LEHIGH, PENNSYLVANIA  
COMMISSIONERS BILL 2016-02  
SPONSORED BY COMMISSIONER HOLT  
REQUESTED DATE: JANUARY 20, 2016  
ORDINANCE NO. 2016 -**

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**APPROVING AN INTERGOVERNMENTAL AGREEMENT WITH THE CITY  
OF ALLENTOWN TO USE FEDERAL HIGHWAY FUNDS RECEIVED  
THROUGH THE COMMONWEALTH OF PENNSYLVANIA AND CITY AND  
COUNTY FUNDS TO CONSTRUCT ROADWAY IMPROVEMENT OF THE  
HAMILTON STREET IMPROVEMENTS PROJECT IN LEHIGH COUNTY**

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**WHEREAS**, the Pennsylvania statute authorizing intergovernmental cooperation authorizes the Board of Commissioners of Lehigh County to adopt an ordinance to enter into intergovernmental cooperation or to delegate or transfer any functions, powers or responsibilities to another local government where the ordinance specifies the conditions of agreement in the case of cooperation with or delegation to other local governments and/or the Commonwealth; and

**WHEREAS**, the local government parties have the opportunity to foster cooperation and participation in a partially grant-funded project which also involves the parties partially using their own funds to complete the improvements along Hamilton Street extending from Railroad Street to Sixth Street and 10<sup>th</sup> Street to 15<sup>th</sup> Street, all as provided by a certain agreement marked as Exhibit "A" and attached hereto.

**NOW, THEREFORE, IT IS HEREBY ENACTED AND ORDAINED BY  
THE BOARD OF COMMISSIONERS OF THE COUNTY OF LEHIGH,  
PENNSYLVANIA, THAT:**

1. Lehigh County hereby agrees to enter into a certain agreement with the City of Allentown, Number HAM001, a copy of which is marked as Exhibit "A", contains thirteen (13) sheets of attachments and is attached hereto and made a part hereof by this reference.

2. The effectiveness of this Ordinance is contingent upon the City of Allentown enacting a similar Ordinance of approval.

3. The proper officers and other personnel of Lehigh County are hereby authorized and empowered to take all such further action, including any necessary transfers of funds, and execute additional documents as they may deem appropriate to carry out the purpose of this Ordinance.

4. Any Ordinance or part of any Ordinance conflicting with the provisions of this Ordinance is hereby repealed insofar as the same affects this Ordinance.

5. The County Executive shall distribute copies of this Ordinance to the proper officers and other personnel of Lehigh County whose further action is required to achieve the purpose of this Ordinance.

6. This Ordinance shall become effective in ten (10) days after enactment.

ADOPTED this \_\_\_\_\_ day of \_\_\_\_\_, 2016 by the following

vote:

**Commissioners**

**AYE**

**NAY**

Geoff Brace  
Thomas C. Creighton, III  
Percy H. Dougherty  
Dan Hartzell  
Amanda Holt  
David S. Jones, Sr.  
Marty Nothstein  
Brad Osborne  
Michael Schware

ATTEST: \_\_\_\_\_  
CLERK TO THE BOARD OF COMMISSIONERS

APPROVED this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

\_\_\_\_\_  
Thomas S. Muller  
County Executive

ENACTED this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

EFFECTIVE DATE \_\_\_\_\_

AGREEMENT NO. HAM001

COUNTY Lehigh  
(CITY will insert)

CITY City of Allentown

MPMS NO. 102141

### AGREEMENT

THIS AGREEMENT is made by and between the City of Allentown, Commonwealth of Pennsylvania, hereinafter called the CITY

and

COUNTY OF LEHIGH with its principal offices located at Lehigh County Government Center, 17 South Seventh Street, Allentown PA 18101, hereinafter called COUNTY.

### WITNESSETH:

WHEREAS, as part of its maintenance responsibility CITY proposes to Construct Roadway Improvements for the Hamilton Street Improvements Project in Lehigh County. Said project includes both CITY and COUNTY roadway.

WHEREAS, the complete Hamilton Street Improvements project includes improvements along Hamilton Street extending from Railroad Street to 6<sup>th</sup> Street and 10<sup>th</sup> Street to 15<sup>th</sup> Street.

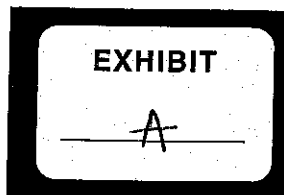
WHEREAS, the COUNTY owned portion of the roadway extends from 4<sup>th</sup> Street to Race Street.

WHEREAS, improvements shall be made in accordance with the CITY approved construction plans identified as "Drawings for Construction of Surface Improvements, Lehigh County, Hamilton Street" hereinafter referred to as the "Project"; and,

WHEREAS, the Project improvements include but are not limited to pavement milling, paving, curbing, sidewalk, ADA handicap ramps, detectable warning surfaces, loop sensors, thermoplastic pavement markings, waterborne pavement markings, design services, surveying, CPM scheduling, field office and equipment, inspection fees and expenses,

WHEREAS, the Project is eligible for financing with Federal Highway funds at a rate of 80% of the Project costs, and,

WHEREAS, this roadway construction is being made under the terms of Reimbursement Agreement R15050009 between the CITY and the COMMONWEALTH of Pennsylvania,



**NOW THEREFORE:**

For and in consideration of the premises, the mutual covenants hereinafter contained and with the intent to be legally bound hereby, the parties agree as follows:

1. CITY will contract with a Contractor to perform roadway improvements for the Project.
2. CITY will pay for Project costs through an advance reimbursement agreement with the Commonwealth of Pennsylvania.
3. COUNTY will pay for 20% of the Project costs attributable to the COUNTY for the COUNTY owned portion on of the Project.
4. CITY will provide COUNTY with field measured contract quantities for COUNTY owned portion within the Project limits.
5. CITY will provide Contract unit prices for improvements made within the COUNTY owned portion of the Project.
6. CITY will prorate the contract Lump Sum items to reflect the part of the contract attributable to the COUNTY based on the proportion of COUNTY roadway length to the overall Project length. Using this metric, the proportion of the Lump Sum items attributable to the COUNTY will be  $(900' / 6,614')$  or 13.6% of the Lump Sum Costs.
7. CITY will tabulate total COUNTY costs from prorated Lump Sum items and actual quantities at the applicable unit prices for the installed COUNTY owned roadway Project improvements. The total costs for the COUNTY roadway improvements will be multiplied by 20% to establish the total reimbursable amount to be paid by the COUNTY for COUNTY owned roadway improvements.
8. COUNTY reimbursements to the CITY will not exceed \$150,000.00.
9. COUNTY will reimburse CITY for the costs as determined by calculations outlined in paragraphs (4) through (7) above within sixty (60) days of receipt of the itemized invoice.
10. This Project is subject to and contingent upon the approval for eligibility of Federal Funds by the FHWA and failure to obtain such approval shall relieve the parties of their obligations under this Agreement.
11. It is further agreed that if, for any reason, the Project referred to herein shall be canceled, abandoned, or revised, in such a manner that the work described in this Agreement should be no longer required, in the opinion of the Secretary of Transportation, then in such event, the only amount which will be payable to the CITY will be the prorated portion of the project attributable to the COUNTY for actual and related indirect costs of the work actually completed on COUNTY roadway at the time of notification by the CITY of the said cancellation, abandonment or revision.

IN WITNESS WHEREOF, the CITY and the COUNTY have caused this agreement to be duly executed, ensealed and attested by their proper officials, pursuant to due and legal action authorizing the same to be done, the day and year first above written.

ATTEST:

COUNTY OF LEHIGH

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

by \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

ATTEST:

CITY OF ALLENTOWN

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

by \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF TRANSPORTATIONDRAWINGS  
FOR  
CONSTRUCTION  
OF  
SURFACE IMPROVEMENTS  
LEHIGH COUNTY  
HAMILTON STREETCITY OF ALLENTOWN

HAMILTON ST. STA. 106+00 TO STA. 138+50

HAMILTON ST. STA. 160+39 TO STA. 196+90

ECMS NO. 102141

DESIGN DESIGNATIONHIGHWAY CLASSIFICATION URBAN COLLECTORDESIGN SPEED 25-35 MPH (POSTED)PAVEMENT WIDTH 50' TO 60'SHOULDER WIDTH N/ATRAFFIC DATACURRENT ADT 9,212DESIGN YEAR ADT 11,531 (2034)DHV 1,269D 60T 5

RECOMMENDED

DATE \_\_\_\_\_

DEPUTY SECRETARY  
APPROVED

DATE \_\_\_\_\_

SECRETARY OF TRANSPORTATION  
(ON BEHALF OF THE GOVERNOR AS WELL AS HERSELF)

RECOMMENDED DATE \_\_\_\_\_

ASSISTANT DISTRICT EXECUTIVE

RECOMMENDED DATE \_\_\_\_\_

DISTRICT EXECUTIVE

LEHIGH COUNTY  
HAMILTON ST  
ECMS NO. 102141

LIMIT OF WORK

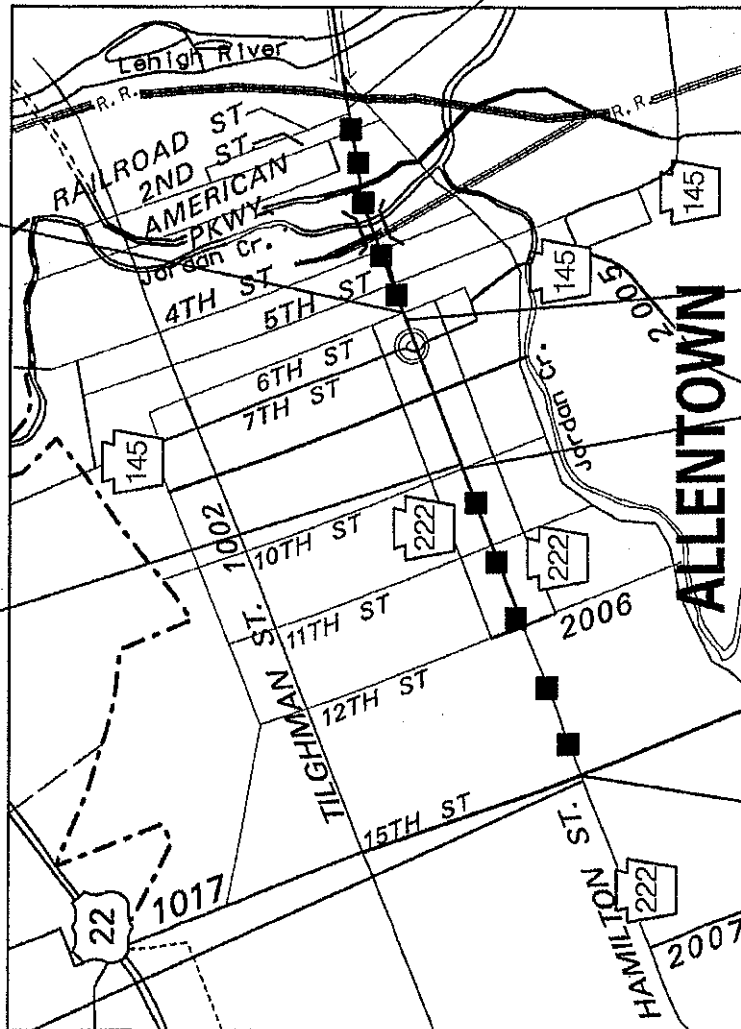
STA. 106+00  
HAMILTON STREET  
CITY OF ALLENTOWN  
LEHIGH COUNTY

LIMIT OF WORK

STA. 138+50  
HAMILTON STREET  
CITY OF ALLENTOWN  
LEHIGH COUNTY

START WORK

STA. 161+39  
HAMILTON STREET  
CITY OF ALLENTOWN  
LEHIGH COUNTY



LEGEND

- INTERSTATE
- STATE ROUTE
- PROJECT

LIMITS/STOP WORK

STA. 196+90  
HAMILTON STREET  
CITY OF ALLENTOWN  
LEHIGH COUNTY

START WORK

STA. 107+29  
HAMILTON STREET  
CITY OF ALLENTOWN  
LEHIGH COUNTY

STOP WORK

STA. 137+92  
HAMILTON STREET  
CITY OF ALLENTOWN  
LEHIGH COUNTY

LIMIT OF WORK

STA. 160+39  
HAMILTON STREET  
CITY OF ALLENTOWN  
LEHIGH COUNTY

SCALE

0.5 Mile

0

0.5 Mile





GENERAL NOTES

THE LEGAL RIGHT OF WAY ON HAMILTON STREET, CITY OF ALLENTOWN IS FROM STATION 106+00 TO STATION 138+50 AND STATION 160+39 TO STATION 196+90 IS VARIABLE FROM BACKSIDE OF SIDEWALK. THERE IS NO PLAN OF RECORD.

HORIZONTAL CONTROL IS BASED ON EXISTING PLANS.

CONSTRUCT PROJECT IN ACCORDANCE WITH PENNDOT SPECIFICATIONS, PUBLICATION 408, DATED 2011, CURRENT CHANGES.

DO NOT INTERFERE WITH THE OPERATION OF ANY FIRE HYDRANT, FIRE CALL BOX OR POLICE CALL BOX.

DO NOT CONSIDER ANY OF THE DATA ON THE EXISTING STRUCTURE SUPPLIED TO YOU BY THE DEPARTMENT OR ITS AUTHORIZED AGENTS AS POSITIVE REPRESENTATIONS OF ANY OF THE CONDITIONS THAT YOU WILL ENCOUNTER IN THE FIELD.

THREE WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR MUST CONTACT THE ONE-CALL SYSTEM, INC.  
PH: 1-800-242-1776.

CONFINE ALL WORK WITH THE EXISTING RIGHT-OF-WAY.

TABULATION OF OVERALL LENGTH

HAMILTON STREET STATION 106+00 TO 138+50 =3,250 LF.

HAMILTON STREET STATION 160+39 TO 196+90 =3,651 LF.

=6,901 LF. =1.31 MILES

TABULATION OF CONSTRUCTION LENGTH

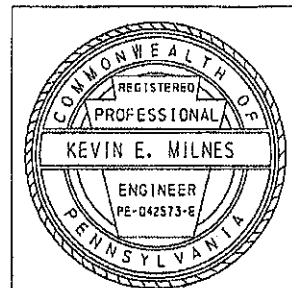
HAMILTON STREET STATION 107+29 TO 137+92 =3,063 LF.

HAMILTON STREET STATION 161+39 TO 196+90 =3,551 LF.

=6,614 LF. =1.25 MILES

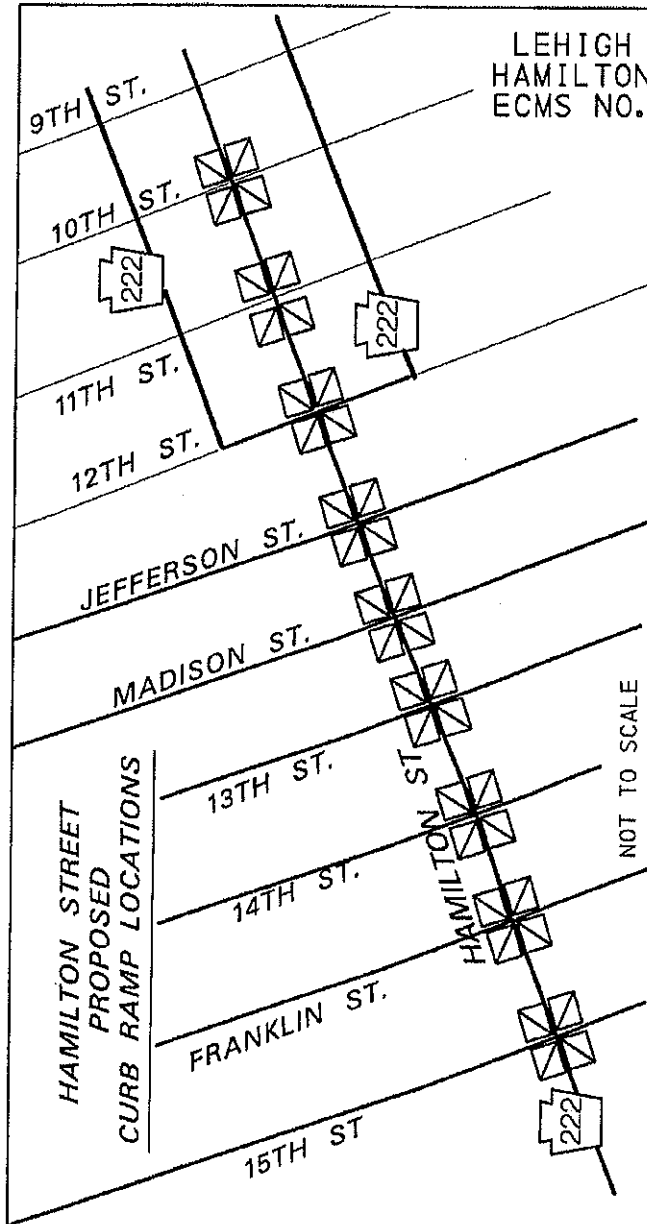
CONSTRUCT IN ACCORDANCE WITH THE DETAILS INDICATED ON THE FOLLOWING STANDARD DRAWINGS :

RC- 25M	JUN. 1, 2010
RC- 28M	JUNE 10, 2013
RC- 67M	JUNE 10, 2013
TC-8600	JUNE 13, 2013
TC-8602	JUNE 13, 2013
TC-8700C	JUNE 13, 2013
TC-8806	DEC. 12, 2011



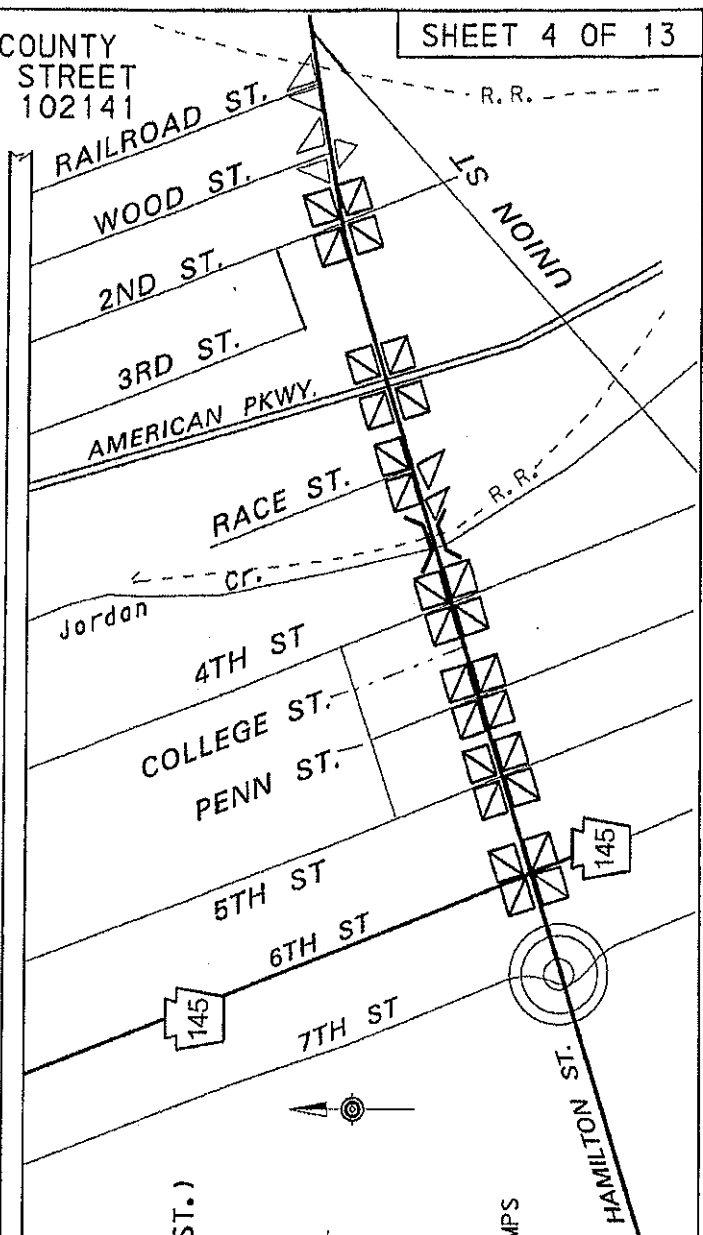
LEHIGH COUNTY  
HAMILTON STREET  
ECMS NO. 102141

SHEET 4 OF 13



15TH ST. -8  
FRANKLIN ST. -8  
14TH ST. -8  
MADISON ST. -8  
13TH ST. -8  
JEFFERSON ST. -8  
12TH ST. -8  
11TH ST. -8  
10TH ST. -8

72 CURB RAMPS

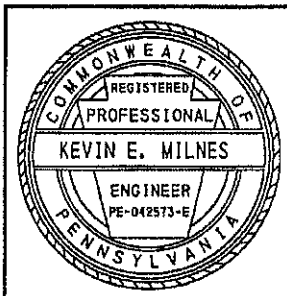


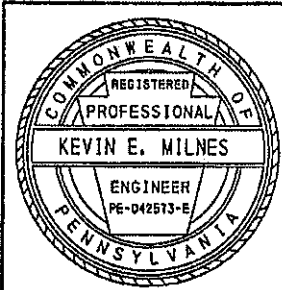
6TH ST. -8  
5 ST. -8  
PENN ST. -8  
COLLEGE ST. -8  
4TH ST. -8  
4TH ST. BRIDGE -1 (TERMINAL ST.)  
RACE ST. -5  
AMERICAN PKWY. -8  
2ND ST. -8  
WOOD ST. -3  
RAILROAD ST. 2

59 CURB RAMPS

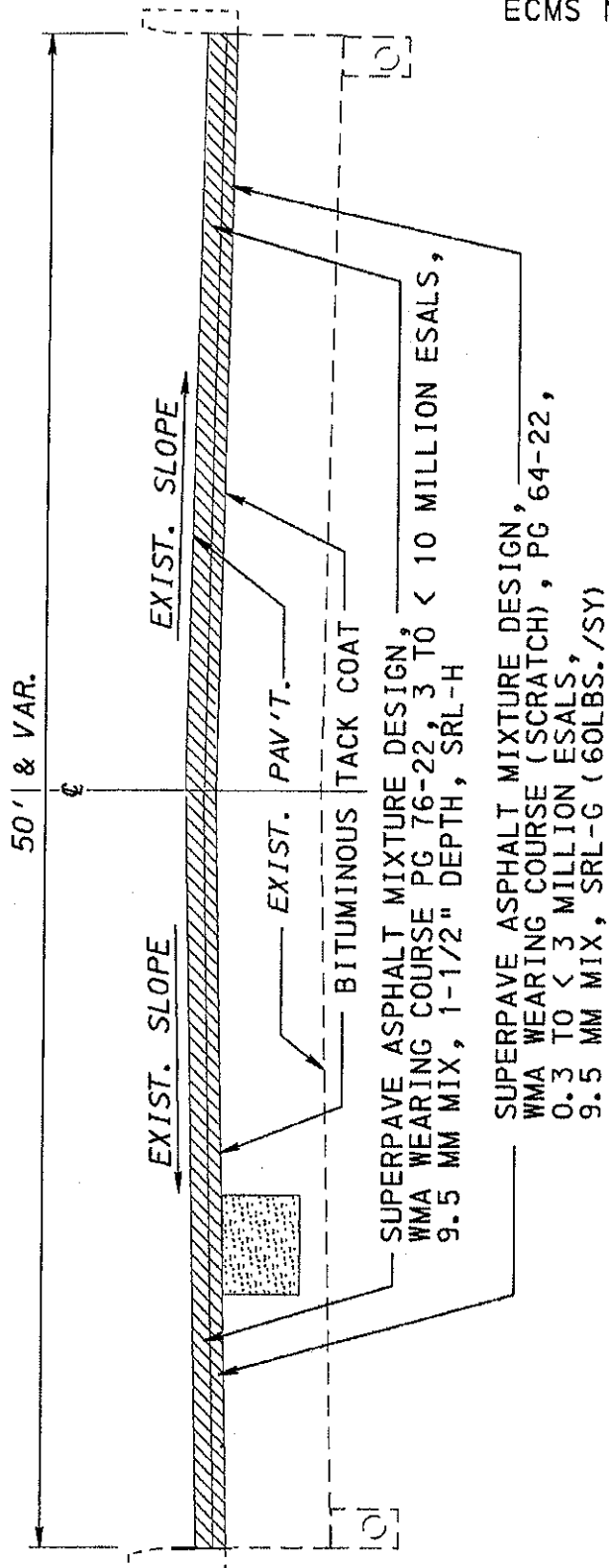
PROJECT TOTAL - 131 CURB RAMPS

NOT TO SCALE





LEHIGH COUNTY  
HAMILTON STREET  
ECMS NO. 102141



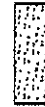
# TYPICAL SECTION

HAMILTON ST. STA. 107+29 TO STA. 138+00

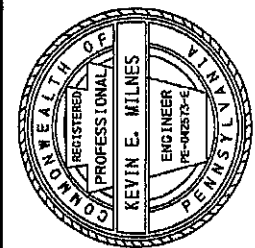
MILLING OF BITUMINOUS PAVEMENT  
SURFACE, 2" DEPTH, MILLED  
MATERIAL RETAINED BY CONTRACTOR



SUPERPAVE ASPHALT MIXTURE DESIGN, FLEXIBLE BASE  
REPLACEMENT, PG 64-22, 0.3 TO < 3 MILLION ESALS,  
25.0 MM MIX (6.5" AVG. DEPTH, ACTUAL SIZE AND  
LOCATION TO BE DETERMINED BY THE INSPECTOR IN CHARGE.)

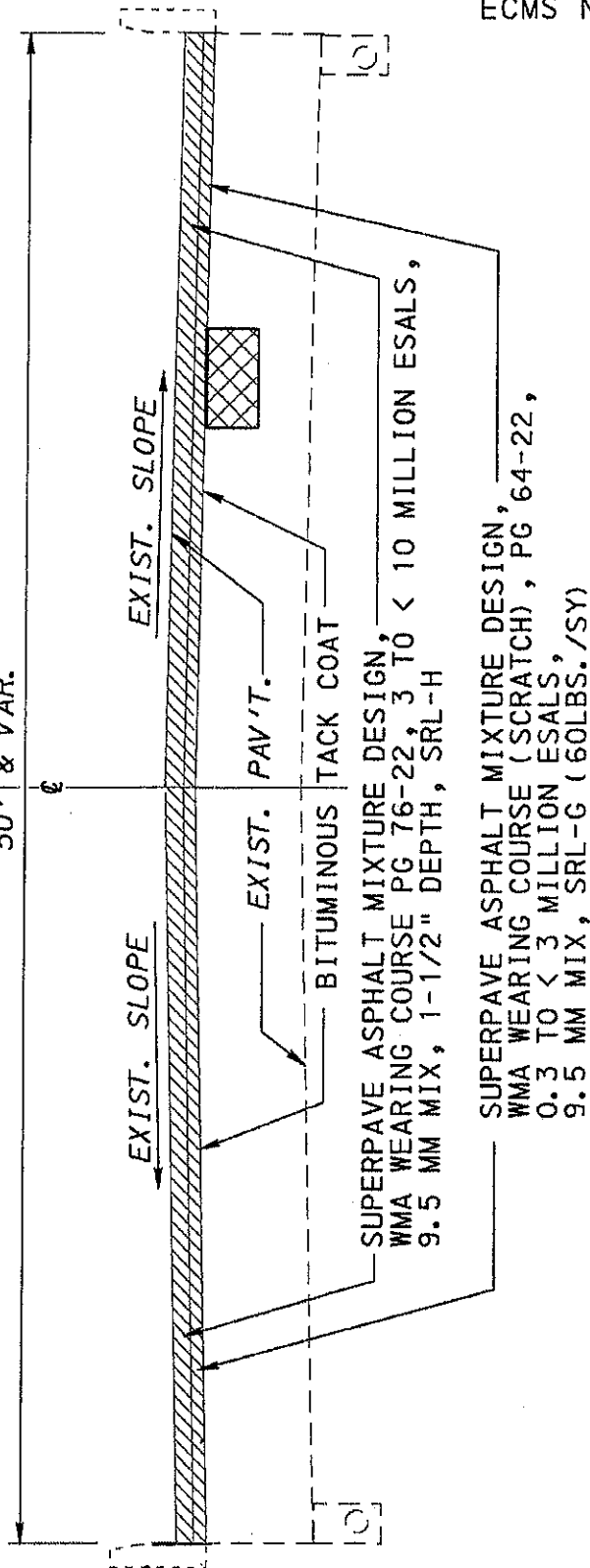


NOTE: TAPER PAVING AT INLETS AND ACTUAL START AND STOP WORK  
AS DIRECTED BY THE INSPECTOR IN CHARGE.



LEHIGH COUNTY  
HAMILTON STREET  
ECMS NO. 102141

50' & VAR.



TYPICAL SECTION

HAMILTON ST. STA. 161+00 TO STA. 196+90

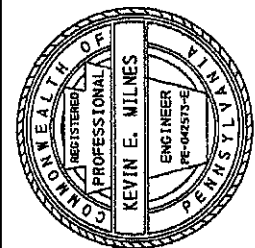
MILLING OF BITUMINOUS PAVEMENT  
SURFACE, 2" DEPTH, MILLED  
MATERIAL RETAINED BY CONTRACTOR



SUPERPAVE ASPHALT MIXTURE DESIGN,  
WMA BINDER COURSE (LEVELING), PG 76-22,  
3 TO < 10 MILLION ESALS, 19 MM MIX,  
(6" AVG. DEPTH)

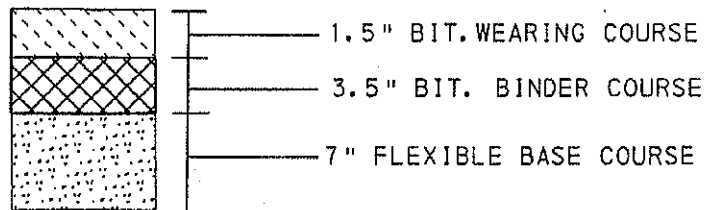
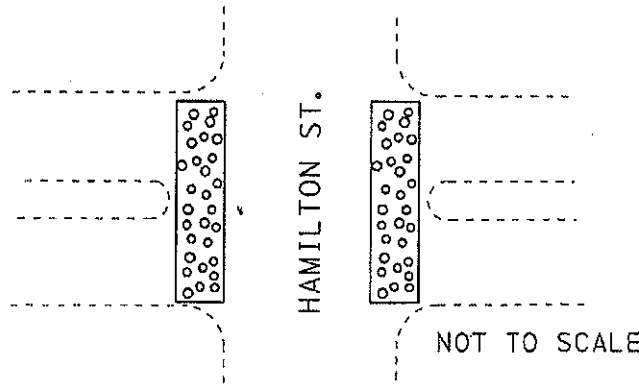


NOTE: TAPER PAVING AT INLETS AND ACTUAL START AND STOP WORK  
AS DIRECTED BY THE INSPECTOR IN CHARGE.



SECTION DETAIL  
4TH AND HAMILTON ST.

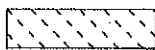
12" CONCRETE REMOVAL- BITUMINOUS REPLACEMENT



1.5" BIT. WEARING COURSE

3.5" BIT. BINDER COURSE

7" FLEXIBLE BASE COURSE



SUPERPAVE ASPHALT MIXTURE DESIGN, WMA  
WEARING COURSE PG 76-22, 3 TO < 10 MILLION ESALS,  
9.5 MM MIX, 1-1/2" DEPTH, SRL-H



SUPERPAVE ASPHALT MIXTURE DESIGN,  
WMA BINDER COURSE (LEVELING), PG 76-22,  
3 TO < 10 MILLION ESALS, 19 MM MIX, (420 LBS./SY)

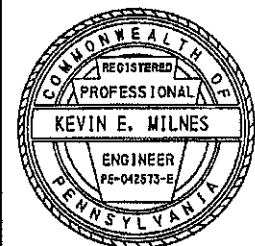


SUPERPAVE ASPHALT MIXTURE DESIGN, FLEXIBLE BASE  
REPLACEMENT, PG 64-22, 0.3 TO < 3 MILLION ESALS,  
25.0 MM MIX



EXISTING CONCRETE TO BE REMOVED

NOTE: TAPER PAVING AT INLETS AND ACTUAL START AND STOP WORK  
AS DIRECTED BY THE INSPECTOR IN CHARGE.

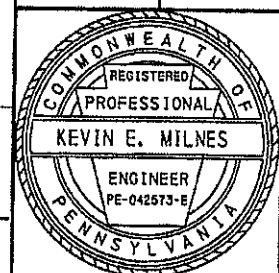


# SUMMARY

QUANT.	ITEM NO. UNIT	DESCRIPTION	DESIGN NO.	FOR TAB SEE SHEET
651	0316 0437 TON	SUPERPAVE ASPHALT MIXTURE DESIGN, FLEXIBLE BASE REPLACEMENT, PG 64-22, 0.3 TO < 3 MILLION ESALS, 25.0 MM MIX,		11
39,473	0411 0982 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, WMA WEARING COURSE, PG 76-22, 3 TO < 10 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H		11
1,185	0411 2493 TON	SUPERPAVE ASPHALT MIXTURE DESIGN, WMA WEARING COURSE (SCRATCH), PG 64-22, 0.3 TO < 3 MILLION ESALS, 9.5 MM MIX, SRL-G		11
475	0411 7970 TON	SUPERPAVE ASPHALT MIXTURE DESIGN, WMA BINDER COURSE(LEVELING), PG 76-22, 3 TO < 10 MILLION ESALS, 19 MM MIX,		11
39,473	0460 0001 SY	BITUMINOUS TACK COAT		11
39,473	0491 0013 SY	MILLING OF BITUMINOUS PAVEMENT SURFACE, 2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR		11
—	0608 0001 LS	MOBILIZATION		NO TAB
—	0609 0007 LS	INSPECTOR'S FIELD OFFICE AND INSPECTION FACILITIES, TYPE B		NO TAB
—	0609 0009 LS	EQUIPMENT PACKAGE		NO TAB

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\* SPECIAL PROVISION

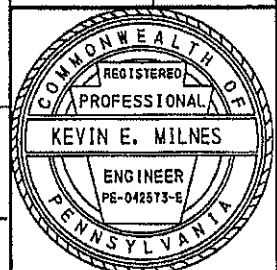


# SUMMARY

QUANT.	ITEM NO. UNIT	DESCRIPTION	DESIGN NO.	FOR TAB SEE SHEET
2,096	0630 0010 LF	PLAIN CEMENT CONCRETE CURB, INCLUDING REMOVAL OF EXISTING CURB		12
2,106	0676 0001 SY	CEMENT CONCRETE SIDEWALK		12
—	0686 0040 LS	CONSTRUCTION SURVEYING, TYPE C		NO TAB
—	0689 0003 LS	CPM SCHEDULE		NO TAB
EITHER 1,048	0695 0004 SF	DETECTABLE WARNING SURFACE, POLYMERE COMPOSITE	1	12
OR 1,048	0695 0002 SF	DETECTABLE WARNING SURFACE, CAST IRON		
OR 1,048	0695 0003 SF	DETECTABLE WARNING SURFACE, POLYMERE CONCRETE		
9,500	0845 0001 DOLLAR	UNFORSEEN WATER POLLUTION CONTROL		NO TAB
—	0901 0001 LS	MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION		NO TAB

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\* SPECIAL PROVISION

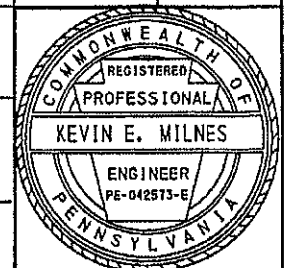




# SUMMARY

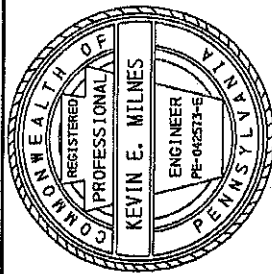
QUANT.	ITEM NO. UNIT	DESCRIPTION	DESIGN NO.	FOR TAB SEE SHEET
510	0956 0101 LF	LOOP SENSOR		12
4,764	0960 0005 LF	6" WHITE HOT THERMOPLASTIC PAVEMENT MARKINGS		12
6,760	0960 0021 LF	24" WHITE HOT THERMOPLASTIC PAVEMENT MARKINGS		12
5	0960 0101 EACH	WHITE HOT THERMOPLASTIC LEGEND, "ONLY", 8' - 0"		13
1	0960 0222 EACH	WHITE HOT THERMOPLASTIC LEGEND, "RIGHT ARROW", 12'-0" X 3'-0"		13
4	0960 0224 EACH	WHITE HOT THERMOPLASTIC LEGEND, "LEFT ARROW", 12'-0" X 3'-0"		13
52	0960 1121 EACH	WHITE HOT THERMOPLASTIC LEGEND, SHARED LANE MARKING		13
5,640	0962 1001 LF	6" WHITE WATERBONE PAVEMENT MARKINGS		13
27,440	0962 1005 LF	4" YELLOW WATERBONE PAVEMENT MARKINGS		13
* 131	9000 0001 EACH	DESIGN OF CONCRETE CURB RAMPS		13

\* SPECIAL PROVISION



LEHIGH COUNTY  
HAMILTON STREET  
ECMS NO. 102141

# TABULATION FOR ROADWAY



SEG./OFF.

REMARKS

ITEM	NUMBER	UNIT
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
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91	91	91
92	92	92
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94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

HAMILTON ST.

DIRECTED

STA. 106+00 TO STA. 138+50

CURB TO CURB

STA. 160+39 TO STA. 196+90

STA. 174+00 TO STA. 175+00

12" CONCRETE REMOVAL  
AT 4TH ST. CROSSWALKS  
(SEE TYPICAL-PG. 7)

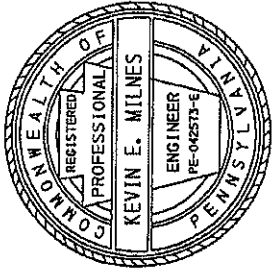
TOTAL

SHEET 11 OF 13



LEHIGH COUNTY  
HAMILTON STREET  
ECMS NO. 102141

# TABULATION FOR ROADWAY AND MISC. ITEMS



SEG. /OFF.

REMARKS

	0960 "ONLY", 8' - 0"	0960 WHITE HOT THERMOPLASTIC LEGEND, "RIGHT ARROW", 12'-0" X 3'-0"	0960 WHITE HOT THERMOPLASTIC LEGEND, "LEFT ARROW", 12'-0" X 3'-0"	0960 SHARED LANE MARKING 1121	0962 6" WHITE WATERBORNE PAVEMENT MARKINGS 1001	0962 4" YELLOW WATERBORNE PAVEMENT MARKINGS 1005	9000 DESIGN OF CONCRETE CURB RAMPS 0001	ITEM NUMBER	UNIT	REPLACE EXISTING IN KIND AS DIRECTED
HAMILTON ST.										
STA. 106+00 TO STA. 138+50	1		1	24		12,800	72			INCLUDES DBL APP'L WATERBORNE PAINT
STA. 160+39 TO STA. 196+90	4	1	3	28		14,640	59			REPLACE 30 PARKING SPACE LINES 6TH ST. TO 5TH ST. MATCH CITY SHARED LANE MARKINGS ON LINDEN ST.
TOTAL	5	1	4	52		27,440	131			