Ordinance No. 25-068
Exhibit "A"

ms consultants, inc.
engineers, architects, planners

333 East Federal Street
Youngstown, Ohio 44503-1821
p 330.744.5321
f 330.744.5256

July 17, 2024

Ms. Catherine Cercone Miller
City of Struthers
6 Elm Street
Struthers, Ohio 44471

RE: 2025 Street Improvement Project
Bid Opening- July 15, 2025

Dear Ms. Cercone Miller:

Bids were received on July 15, 2025 for the 2025 Street Improvement Project. Based upon review of the bid documents, ms consultants, inc. recommends award of the project to the apparent low bidder, Lindy Paving Group with a total base bid amount of Four Hundred Forty-Nine Thousand Eight Hundred Fifty and 95/100 Dollars ($449,850.95)

Contractor	Total Base Bid
Lindy Paving Group	$449,850.95
Kirila Contractors, Inc.	$541,495.00
Shelly & Sands, Inc.	$684,747.85

The City of Struthers included two alternates as part of the bid. The apparent low bidder for the base bid, Lindy Paving Group provided the following bid amounts for the alternate improvements:

Alternate Street	Alternate Bid
Alternate #1- Bob Cene Way (Concrete)	$298,062.20
Alternate #2- Creed Street (Concrete)	$136,969.00

The City of Struthers has selected to award the base bid and both alternates. The grand total for award is $884,882.15.

Upon review of the low bidder's submittal, the required items appear to be complete and satisfy the requirements detailed in the Instructions to Bidders. One mathematical error was found on the bid form for Alternate No. 2 submitted by Lindy Paving Group. The bid form specified $142,969.00. This item was corrected to $136,969.00. All required documents and signatures are provided. In reviewing the Bidder's Qualifications submitted with the bid, Lindy Paving Group demonstrates the knowledge, ability, and experience to complete the work in this contract. The bid tabulation is attached for your records.

Sincerely,

Zachery R. Teter, P.E.
Project Manager

cc: File: 61-20649-03

BID TABULATION

PROJECT CLIENT: City of Strathers
PROJECT DESCRIPTION: 2025 Street Improvement Project

ENGINEER'S PROJ. NO. 01-2025-03
ENGINEER'S ESTIMATE $922,833.56

BIDS RECEIVED: 7/15/2025
BIDS TABULATED: 7/16/2025

ITEM NO.	EST. QTY.	ITEM DESCRIPTION	UNIT	Lindy Paving UNIT PRICE	Lindy Paving TOTAL AMOUNT	Kinte Contractors, Inc. UNIT PRICE	Kinte Contractors, Inc. TOTAL AMOUNT	Shelly & Sands, Inc. UNIT PRICE	Shelly & Sands, Inc. TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
CREED STREET															
CREED STREET (GARFIELD STREET TO ARGONNE STREET)															
254	3,194	Pavement Planing	SY	$ 1.05	$ 3,353.70	$ 2.40	$ 7,665.60	$ 3.40	$ 10,859.60		$ -		$ -		$ -
407	320	Tack Coat	GAL	$ 2.75	$ 880.00	$ 3.50	$ 1,120.00	$ 2.00	$ 640.00		$ -		$ -		$ -
441	133	Asphalt Concrete Surface Course, Type 1 (448), PG64-22 (1.5" Thickness)	CY	$ 178.00	$ 23,674.00	$ 208.80	$ 27,770.40	$ 215.00	$ 28,595.00		$ -		$ -		$ -
614	1	Maintenance of Traffic	LS	$ 3,300.00	$ 3,300.00	$ 11,714.00	$ 11,714.00	$ 12,000.00	$ 12,000.00		$ -		$ -		$ -
		Subtotal			$ 31,207.70		$ 48,270.00		$ 52,094.60		$ -		$ -		$ -
MISC. REPAIRS, AS DIRECTED BY THE ENGINEER															
252	235	Partial Depth Pavement Repair	SY	$ 26.00	$ 6,110.00	$ 25.00	$ 5,875.00	$ 73.00	$ 17,155.00		$ -		$ -		$ -
611	6	Manhole, Adjusted to Grade	EA	$ 1,500.00	$ 9,000.00	$ 1,500.00	$ 9,000.00	$ 1,500.00	$ 9,000.00		$ -		$ -		$ -
611	8	Catch Basin, Adjusted to Grade	EA	$ 1,400.00	$ 11,200.00	$ 1,500.00	$ 12,000.00	$ 2,000.00	$ 16,000.00		$ -		$ -		$ -
611	3	Water Valve, Adjusted to Grade	EA	$ 85.00	$ 255.00	$ 75.00	$ 225.00	$ 100.00	$ 300.00		$ -		$ -		$ -
		Subtotal			$ 26,565.00		$ 27,100.00		$ 42,455.00		$ -		$ -		$ -
		TOTAL AMOUNT CREED ST.			**$ 57,772.70**		**$ 75,370.00**		**$ 94,549.60**		**$ -**		**$ -**		**$ -**
LINCOLN STREET															
LINCOLN STREET (5TH STREET TO GARFIELD STREET)															
254	7,833	Pavement Planing	SY	$ 1.05	$ 8,224.65	$ 2.40	$ 18,799.20	$ 3.40	$ 26,632.20		$ -		$ -		$ -
407	783	Tack Coat	GAL	$ 2.75	$ 2,153.25	$ 3.50	$ 2,740.50	$ 2.00	$ 1,566.00		$ -		$ -		$ -
441	326	Asphalt Concrete Surface Course, Type 1 (448), PG64-22, (1.5" Thickness)	CY	$ 178.00	$ 58,028.00	$ 202.00	$ 65,852.00	$ 215.00	$ 70,090.00		$ -		$ -		$ -
614	1	Maintenance of Traffic	LS	$ 6,500.00	$ 6,500.00	$ 19,433.20	$ 19,433.20	$ 21,500.00	$ 21,500.00				-		
		Subtotal			$ 74,905.90		$ 106,825.00		$ 119,788.20		$ -		$ -		$ -
MISC. REPAIRS, AS DIRECTED BY THE ENGINEER															
252	395	Partial Depth Pavement Repair	SY	$ 26.00	$ 10,270.00	$ 25.00	$ 9,875.00	$ 73.00	$ 28,835.00		$ -		$ -		$ -
611	8	Manhole, Adjusted to Grade	EA	$ 1,500.00	$ 12,000.00	$ 1,500.00	$ 12,000.00	$ 1,500.00	$ 12,000.00		$ -		$ -		$ -
611	12	Catch Basin, Adjusted to Grade	EA	$ 1,400.00	$ 16,800.00	$ 1,500.00	$ 18,000.00	$ 2,000.00	$ 24,000.00		$ -		$ -		$ -
611	5	Water Valve, Adjusted to Grade	EA	$ 85.00	$ 425.00	$ 75.00	$ 375.00	$ 100.00	$ 500.00		$ -		$ -		$ -
		Subtotal			$ 39,495.00		$ 40,250.00		$ 65,335.00		$ -		$ -		$ -
		TOTAL AMOUNT LINCOLN ST.			**$ 114,400.90**		**$ 147,075.00**		**$ 185,123.20**		**$ -**		**$ -**		**$ -**
ELM COURT															
ELM COURT (ELM STREET TO WALNUT STREET)															
254	1,444	Pavement Planing	SY	$ 1.05	$ 1,516.20	$ 2.40	$ 3,465.60	$ 3.40	$ 4,909.60		$ -		$ -		$ -
407	144	Tack Coat	GAL	$ 2.75	$ 396.00	$ 3.50	$ 504.00	$ 2.00	$ 288.00		$ -		$ -		$ -
441	60	Asphalt Concrete Surface Course, Type 1 (448), PG64-22, (1.5" Thickness)	CY	$ 178.00	$ 10,680.00	$ 277.20	$ 16,632.00	$ 215.00	$ 12,900.00		$ -		$ -		$ -
614	1	Maintenance of Traffic	LS	$ 2,000.00	$ 2,000.00	$ 7,042.40	$ 7,042.40	$ 14,000.00	$ 14,000.00						
		Subtotal			$ 14,592.20		$ 27,644.00		$ 32,097.60		$ -		$ -		$ -
MISC. REPAIRS, AS DIRECTED BY THE ENGINEER															
252	75	Partial Depth Pavement Repair	SY	$ 28.00	$ 2,100.00	$ 25.00	$ 1,875.00	$ 73.00	$ 5,475.00		$ -		$ -		$ -
611	3	Catch Basin, Adjusted to Grade	EA	$ 1,500.00	$ 4,500.00	$ 1,500.00	$ 4,500.00	$ 2,000.00	$ 6,000.00		$ -		$ -		$ -
611	1	Water Valve, Adjusted to Grade	EA	$ 85.00	$ 85.00	$ 75.00	$ 75.00	$ 100.00	$ 100.00		$ -		$ -		$ -
		Subtotal			$ 6,685.00		$ 6,450.00		$ 11,575.00		$ -		$ -		$ -
		TOTAL AMOUNT ELM CT.			**$ 21,277.20**		**$ 34,100.00**		**$ 43,672.60**		**$ -**		**$ -**		**$ -**
W. LEWIS STREET															
W. LEWIS STREET (DEAD END TO CENTER STREET)															
254	2,133	Pavement Planing	SY	$ 1.05	$ 2,239.65	$ 2.40	$ 5,119.20	$ 3.40	$ 7,252.20		$ -		$ -		$ -
407	213	Tack Coat	GAL	$ 2.75	$ 585.75	$ 3.50	$ 745.50	$ 2.00	$ 426.00		$ -		$ -		$ -
441	89	Asphalt Concrete Surface Course, Type 1 (448), PG64-22, (1.5" Thickness)	CY	$ 178.00	$ 15,842.00	$ 227.50	$ 20,274.20	$ 215.00	$ 19,135.00		$ -		$ -		$ -
614	1	Maintenance of Traffic	LS	$ 2,000.00	$ 2,000.00	$ 8,461.10	$ 8,461.10	$ 7,500.00	$ 7,500.00						
		Subtotal			$ 20,667.40		$ 34,600.00		$ 34,313.20		$ -		$ -		$ -

BID TABULATION

PROJECT CLIENT: City of Strubers
PROJECT DESCRIPTION: 2025 Street Improvement Project

ENGINEER'S PROJ. NO.: 61-0863-03
ENGINEER'S ESTIMATE: $827,433.55

BIDS RECEIVED: 7/15/2025
BIDS TABULATED: 7/16/2025

ITEM NO.	EST. QTY.	ITEM DESCRIPTION	UNIT	Lindy Paving UNIT PRICE	Lindy Paving TOTAL AMOUNT	Kirlin Contractors, Inc. UNIT PRICE	Kirlin Contractors, Inc. TOTAL AMOUNT	Shelly & Sands, Inc. UNIT PRICE	Shelly & Sands, Inc. TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
MISC. REPAIRS, AS DIRECTED BY THE ENGINEER															
252	120	Partial Depth Pavement Repair	SY	$ 26.00	$ 3,120.00	$ 25.00	$ 3,000.00	$ 73.00	$ 8,760.00		$ -		$ -		$ -
611	2	Manhole, Adjusted to Grade	EA	$ 1,500.00	$ 3,000.00	$ 1,500.00	$ 3,000.00	$ 1,800.00	$ 3,600.00		$ -		$ -		$ -
611	2	Catch Basin, Adjusted to Grade	EA	$ 1,400.00	$ 2,800.00	$ 1,500.00	$ 3,000.00	$ 2,500.00	$ 5,000.00		$ -		$ -		$ -
		Subtotal			$ 8,920.00		$ 9,000.00		$ 17,360.00		$ -		$ -		$ -
		TOTAL AMOUNT W. LEWIS ST:			$ 28,587.40		$ 43,808.00		$ 51,873.30		$ -		$ -		$ -
BOB CENE WAY															
BOB CENE WAY (S. BRIDGE STREET TO CENE FIELD NO. 1 ENTRANCE)															
254	7,111	Pavement Planing	SY	$ 4.50	$ 31,999.50	$ 3.10	$ 22,044.10	$ 6.75	$ 47,999.25		$ -		$ -		$ -
407	711	Tack Coat	GAL	$ 2.75	$ 1,955.25	$ 3.50	$ 2,488.50	$ 2.00	$ 1,422.00		$ -		$ -		$ -
SPEC	4,300	Sealing of Existing Edges	LF	$ 0.40	$ 1,720.00	$ 0.60	$ 2,580.00	$ 1.00	$ 4,300.00		$ -		$ -		$ -
411	296	Asphalt Concrete Surface Course, Type 1 (448), PG64-22, (1.5" Thickness)	CY	$ 178.00	$ 52,688.00	$ 184.50	$ 54,612.00	$ 215.00	$ 63,640.00		$ -		$ -		$ -
411	593	Asphalt Concrete Intermediate Course, Type 2 (448), PG64-22, (3" Thickness)	CY	$ 150.00	$ 88,950.00	$ 152.00	$ 90,136.00	$ 156.00	$ 92,508.00		$ -		$ -		$ -
614	1	Maintenance of Traffic	LS	$ 9,500.00	$ 9,500.00	$ 39,209.40	$ 39,209.40	$ 25,000.00	$ 25,000.00		$ -		$ -		$ -
642	0.40	Center Line	MILE	$ 2,500.00	$ 1,000.00	$ 3,625.00	$ 1,450.00	$ 1,900.00	$ 760.00		$ -		$ -		$ -
		Subtotal			$ 187,812.75		$ 203,520.00		$ 235,629.25		$ -		$ -		$ -
MISC. REPAIRS, AS DIRECTED BY THE ENGINEER															
SPEC	780	Full Depth Pavement Repair	SY	$ 50.00	$ 39,000.00	$ 48.50	$ 37,830.00	$ 95.00	$ 74,100.00		$ -		$ -		$ -
		Subtotal			$ 39,000.00		$ 37,830.00		$ 74,100.00		$ -		$ -		$ -
		TOTAL AMOUNT BOB CENE WAY:			$ 226,812.75		$ 241,350.00		$ 309,729.25		$ -		$ -		$ -
		TOTAL BASE BID AMOUNT:			$ 255,400.15		$ 285,158.00		$ 361,602.55		$ -		$ -		$ -
ALTERNATE BID ITEMS															
ALTERNATE NO. 1: BOB CENE WAY – CONCRETE (COOPER STREET TO CENE FIELD NO. 3) ROADWAY															
202	1,685	Pavement Removed	SY	$ 10.00	$ 16,850.00	$ 18.00	$ 30,330.00	$ 10.00	$ 16,850.00		$ -		$ -		$ -
204	1,854	Subgrade Compaction	SY	$ 4.00	$ 7,416.00	$ 1.00	$ 1,854.00	$ 4.00	$ 7,416.00		$ -		$ -		$ -
204	281	Aggregate Base (6" depth)	CY	$ 70.00	$ 19,670.00	$ 78.00	$ 21,918.00	$ 70.00	$ 19,670.00		$ -		$ -		$ -
452	1,685	10" Non-Reinforced Concrete Pavement, Class QC 1P	SY	$ 102.00	$ 171,870.00	$ 102.00	$ 171,870.00	$ 102.00	$ 171,870.00		$ -		$ -		$ -
DRIVEWAYS, SIDE STREETS, AND DRAINAGE ROADWAY															
202	455	Pavement Removed	SY	$ 10.00	$ 4,550.00	$ 16.50	$ 7,507.50	$ 10.00	$ 4,550.00		$ -		$ -		$ -
202	1	Catch Basin Removed	EA	$ 750.00	$ 750.00	$ 100.00	$ 100.00	$ 750.00	$ 750.00		$ -		$ -		$ -
204	501	Subgrade Compaction	SY	$ 4.00	$ 2,004.00	$ 1.00	$ 501.00	$ 4.00	$ 2,004.00		$ -		$ -		$ -
304	30	Aggregate Base	CY	$ 75.00	$ 2,250.00	$ 85.00	$ 2,550.00	$ 75.00	$ 2,250.00		$ -		$ -		$ -
407	5	Non-Tracking Tack Coat	GAL	$ 2.94	$ 14.70	$ 3.50	$ 17.50	$ 3.05	$ 15.25		$ -		$ -		$ -
441	3	Asphalt Concrete Surface Course, Type 1, (449), (Driveways)	CY	$ 250.00	$ 750.00	$ 361.00	$ 1,083.00	$ 570.00	$ 1,710.00		$ -		$ -		$ -
441	3	Asphalt Concrete Intermediate Course, Type 2, (449), (Driveways)	CY	$ 225.00	$ 675.00	$ 334.00	$ 1,002.00	$ 530.00	$ 1,590.00		$ -		$ -		$ -
452	295	8" Non-Reinforced Concrete Pavement, Class QC MS (Driveways)	SY	$ 92.50	$ 27,287.50	$ 92.50	$ 27,287.50	$ 92.50	$ 27,287.50		$ -		$ -		$ -
452	100	10" Non-Reinforced Concrete Pavement, Class QC MS (Cooper St)	SY	$ 112.50	$ 11,250.00	$ 112.50	$ 11,250.00	$ 112.50	$ 11,250.00		$ -		$ -		$ -
611	235	12" Conduit, Type B	FT	$ 85.00	$ 19,975.00	$ 52.00	$ 12,220.00	$ 85.00	$ 19,975.00		$ -		$ -		$ -
611	50	12" Conduit, Type D	FT	$ 85.00	$ 4,250.00	$ 52.00	$ 2,600.00	$ 85.00	$ 4,250.00		$ -		$ -		$ -
611	1	Catch Basin, No. 2-28	EA	$ 2,500.00	$ 2,500.00	$ 1,250.00	$ 1,250.00	$ 2,500.00	$ 2,500.00		$ -		$ -		$ -
614	1	Maintenance of Traffic	LS	$ 6,000.00	$ 6,000.00	$ 37,759.80	$ 37,759.80	$ 6,000.00	$ 6,000.00		$ -		$ -		$ -
		TOTAL AMOUNT ALTERNATE NO. 1:			$ 298,962.20		$ 321,105.00		$ 299,957.75		$ -		$ -		$ -
ALTERNATE NO. 2: CREED STREET - CONCRETE (ELICLID AVENUE AND ARGONNE STREET) ROADWAY															
202	1,050	Pavement Removed	SY	$ 10.00	$ 10,500.00	$ 24.85	$ 26,092.50	$ 10.00	$ 10,500.00		$ -		$ -		$ -
204	1,155	Subgrade Compaction	SY	$ 4.00	$ 4,620.00	$ 1.00	$ 1,155.00	$ 4.00	$ 4,620.00		$ -		$ -		$ -
204	175	Aggregate Base (6" depth)	CY	$ 70.00	$ 12,250.00	$ 78.00	$ 13,650.00	$ 70.00	$ 12,250.00		$ -		$ -		$ -
452	1,050	10" Non-Reinforced Concrete Pavement, Class QC 1P	SY	$ 104.38	$ 109,599.00	$ 102.00	$ 107,100.00	$ 102.00	$ 107,100.00		$ -		$ -		$ -

BID TABULATION

PROJECT CLIENT: City of Struthers
PROJECT DESCRIPTION: 2025 Street Improvement Project

ENGINEER'S PROJ. NO. 01-2025-03
ENGINEER'S ESTIMATE $922,833.59

BIDS RECEIVED: 7/15/2025
BIDS TABULATED: 7/16/2025

ITEM NO.	EST. QTY.	ITEM DESCRIPTION	UNIT	Lindy Paving UNIT PRICE	Lindy Paving TOTAL AMOUNT	Kirila Contractors, Inc. UNIT PRICE	Kirila Contractors, Inc. TOTAL AMOUNT	Shelly & Sands, Inc. UNIT PRICE	Shelly & Sands, Inc. TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
		TOTAL AMOUNT ALTERNATE NO. 2:			$ 134,969.00		$ 347,997.50		$ 184,470.00		$ -		$ -		$ -
		DATE OF BID AS SUBMITTED:			7/15/2025		7/15/2025		7/15/2025						
		BIDDER'S FIRM:		Lindy Paving		Kirila Contractors, Inc.		Shelly & Sands, Inc.							
		AUTHORIZED REPRESENTATIVE:		Dan Ganoe		William Kirila, Jr.		Frank Benadee							
		TITLE:		President		Vice President		Assistant V.P.							
		UNIT PRICE BID, TOTAL AMOUNT BID - ITEM, & TOTAL AGREE ?			No		No		Yes						

DENOTES CORRECTION TO TOTAL AMOUNT FOR THE ITEM

DENOTES CORRECTION TO TOTAL AMOUNT BASE BID

I certify that the Bid Tabulation is a correct and complete Tabulation of Bids Received on July 15, 2025 for the City of Struthers 2025 Street Improvement Project.

PROJECT MANAGER — 7/17/2025 Date

ms consultants, inc

ADDENDUM NO. 3

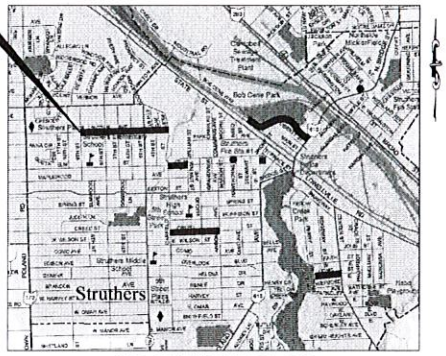
CITY OF STRUTHERS

2025 STREET IMPROVEMENT PROJECT

MAHONING COUNTY, OHIO

JUNE 2025

PROJECT LOCATION (TYP.)



LOCATION PLAN

SCALE: N.T.S.

PREPARED BY:

ms consultants inc.
engineers * architects * planners
YOUNGSTOWN, OHIO

BY: _____ DATE: 07-10-2025
ZACHERY R. TETER, P.E.
REGISTERED ENGINEER No. 89355
STATE OF OHIO

STATE OF OHIO
ZACHERY R. TETER
89355
REGISTERED
PROFESSIONAL ENGINEER

OHIO Utilities Protection SERVICE
Call before You Dig
CALL: 811 OR 1-800-362-2764

STRUTHERS CITY OFFICIALS

CATHERINE CERONE MILLER	MAYOR
BOB BENSON	SAFETY SERVICE DIRECTOR
CHRISYINA BOHL	AUDITOR
MICHAEL S. PATRICK	PRESIDENT OF COUNCIL
DALLAS A. BIGLEY	COUNCIL AT-LARGE
MEGAN L. PINGLEY	COUNCIL AT-LARGE
JAMES E. BALUCK	COUNCIL AT-LARGE
LORI A. GOMON	1ST WARD COUNCILMAN
RONALD A. CARCELLI	2ND WARD COUNCILMAN
ROBERT D. BURNSIDE	3RD WARD COUNCILWOMAN
RICHARD S. BAYUS	4TH WARD COUNCILMAN
MEGAN SHORTHOUSE	CLERK OF COUNCIL

ADDENDUM NO. 3

SPECIFICATIONS

THE FOLLOWING SPECIFICATIONS MODIFY OR FURTHER DEFINE THE GOVERNING SPECIFICATIONS, NAMELY, THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS, JANUARY 1, 2023, OR LATEST EDITION.

ALL REFERENCES IN SAID SPECIFICATIONS TO THE STATE DIRECTOR OF HIGHWAYS OR EQUAL, ETC., SHALL BE UNDERSTOOD TO MEAN CITY OF STRUTHERS, AND THE CORRESPONDING OFFICIALS IN LOCAL AND COUNTY GOVERNMENT.

ALL LABOR AND MATERIAL PROVIDED AS PART OF THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS, 2023, OR LATEST EDITION, EXCEPT AS MODIFIED OR REVISED IN THESE CONTRACT DOCUMENTS.

ALTERATIONS TO ESTIMATED QUANTITIES:
THE OWNER HEREBY RESERVES THE RIGHT TO ADD OR DELETE ANY PROJECT OR PART THEREOF OF THIS PROJECT OR CHANGE THE RATE OF APPLICATION OF MATERIALS, AND TO EITHER USE THE RESULTING MATERIALS ELSEWHERE OR DEDUCT SAME FROM THE FINAL ESTIMATE, WITH NO CHANGE IN UNIT COST.

PAYMENT OF ALTERED QUANTITIES:
THE CONTRACTOR SHALL ACCEPT PAYMENT IN FULL AT THE CONTRACT UNIT PRICE BID FOR ACTUAL QUANTITIES OF MATERIALS DELIVERED AND ACCEPTED. NO ALLOWANCE WILL BE MADE FOR ANY INCREASED EXPENSES, LOSS OF EXPECTED REIMBURSEMENT, OR LOSS OF ANTICIPATED PROFITS SUFFERED OR CLAIMED BY THE CONTRACTOR RESULTING IN EITHER DIRECTLY OR INDIRECTLY FROM THE ALTERATION OF ESTIMATED QUANTITIES OR DELETION OF ANY PART OF THE PROJECT. PAYMENT SHALL BE IN ACCORDANCE WITH CURRENT ODOT SPECIFICATIONS.

SUPERVISION:
THE OWNER/ENGINEER WILL HAVE A FIELD INSPECTOR FOR ALL WORK PERFORMED UNDER THIS PROJECT. THE CONTRACTOR SHALL HAVE A COMPETENT REPRESENTATIVE ON THE PROJECT AT ALL TIMES WHEN WORK IS BEING PERFORMED. IT SHALL BE THE RESPONSIBILITY OF SAID REPRESENTATIVE TO CONTACT THE INSPECTOR EACH DAY TO COORDINATE THE PROGRESS OF THE WORK AND PROJECT.

ORDERING:
NO MATERIALS SHALL BE RELEASED AT THE PLANT WITHOUT PRIOR APPROVAL OF THE OWNER/ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY THAT PLACEMENT OF THE MATERIAL MEETS THE SPECIFICATIONS.

THE CONTRACTOR SHALL REFER TO THE DRAWINGS FOR THE STREET LOCATION, UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS.

ITEM 254 - PAVEMENT PLANING, AS PER PLAN

THE CONTRACTOR SHALL COORDINATE AND HAUL GRINDINGS TO A LOCATION TO BE SPECIFIED BY THE CITY OF STRUTHERS. THE CITY'S CONTACT PERSON FOR COORDINATION SHALL BE GARY WOJO AT 330-549-3531. THE REMAINDER OF THE GRINDINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

THE WORK SHALL CONSIST OF COLD MILLING THE EXISTING BITUMINOUS PAVEMENT IN ACCORDANCE WITH CURRENT ODOT SPECIFICATION, ITEM 254, EXCEPT AS MODIFIED AND SUPPLEMENTED HEREIN. LIMITS OF PLANING SHALL BE DIRECTED BY THE OWNER/ENGINEER. AVERAGE DEPTH OF PLANING SHALL BE 1-1/2 INCHES, DEPENDING ON EXISTING CONDITIONS. A SMALLER PLANER SHALL BE USED AROUND MANHOLES, CURB BOXES, MONUMENT BOXES AND AREAS NOT ACCESSIBLE WITH THE LARGER PLANER. THIS EQUIPMENT SHALL BE ON THE JOB SITE PRIOR TO ANY PLANING.

THIS WORK SHALL ALSO CONSIST OF PATCHING THE MILLED SURFACE IN ACCORDANCE WITH ITEM 254. AREAS OF THE PLANED SURFACE TO BE PATCHED DUE TO SPALLING OR DELODGEMENT OF UNSOUND PAVEMENT WILL BE DESIGNATED BY THE OWNER/ENGINEER. THE AREAS SHALL BE CLEANED OF LOOSE MATERIAL, COATED WITH 407 BITUMINOUS MATERIAL, AND FILLED WITH ASPHALT CONCRETE, 441, LEVELED AND COMPACTED TO CONFORM TO THE ADJACENT PAVEMENT. PAYMENT FOR SURFACE PATCHING SHALL BE INCLUDED IN ITEM 254, UNIT PRICE BID.

CONTRACTOR SHALL BE AWARE OF POSSIBILITY THAT BRICK SUB-BASE MAY BE PRESENT.

A PRE-CONSTRUCTION VIDEO SHOWING THE CONDITION OF EACH STREET PRIOR TO RESURFACING SHALL BE PROVIDED BY THE CONTRACTOR TO THE OWNER. A VIDEO SHOWING THE CONDITION OF THE STREET AFTER MILLING BUT PRIOR TO RESURFACING SHALL ALSO BE PROVIDED TO THE OWNER BY THE CONTRACTOR. THE QUALITY OF THE VIDEO SHALL BE AS SUCH TO EASILY IDENTIFY ANY DEFECTS OF THE STREET. THE COST OF SUCH SERVICES SHALL BE INCLUDED IN THE UNIT COST SUBMITTED FOR ODOT ITEM 254 FOR EACH STREET.

MANHOLES, UTILITY CURB BOXES, CATCH BASINS, MONUMENT BOXES, ETC.:
ALL MANHOLES, UTILITY CURB BOXES, MONUMENT BOXES, ETC. SHALL BE ADJUSTED (IF NECESSARY) TO FINISH GRADE PRIOR TO THE PLACEMENT OF THE FINISH COURSE AS DIRECTED BY THE INSPECTOR. CASTINGS ARE TO BE EXCAVATED IN A CIRCULAR CUT AND RE-SET USING BRICK AND MORTAR OR WITH THE USE OF INFRA-RISER CIRCULAR RUBBER GRADE ADJUSTMENT RINGS, OR EQUAL.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, PRIOR TO ANY PAVING, TO LOCATE, MEASURE AND MARK SAID MANHOLES, CURB BOXES AND MONUMENTS, ETC.

ALL MANHOLES, CURB BOXES OR CATCH BASINS MUST BE RAISED (IF NECESSARY) PRIOR TO PAVING. NO PAYMENT WILL BE MADE FOR THIS WORK IF IT IS NOT DONE PRIOR TO THE ASPHALT BEING PLACED.

FOLLOWING THE ADJUSTMENT OF THE CASTING, THE CONTRACTOR SHALL USE ODOT CLASS QC1 CONCRETE TO FILL AROUND THE EXCAVATION CREATING A CIRCULAR CONCRETE COLLAR, EVEN OR SLIGHTLY ABOVE FINISHED GRADE TO PREVENT THE ENTRANCE OF SURFACE WATER. CONCRETE COLLAR SHALL BE DARK GRAY TO MATCH PAVEMENT. THE COST OF THE CONCRETE COLLAR SHALL BE INCLUDED IN THE UNIT COST FOR MANHOLES ADJUSTED TO GRADE. ODOT 441 ASPHALT SURFACE COURSE SHALL BE INSTALLED TO THE TOP OF THE CASTING. THE COST OF THE ASPHALT SHALL BE INCLUDED IN THE UNIT COST SUBMITTED FOR ODOT 441 ASPHALT SURFACE COURSE FOR EACH APPLICABLE STREET.

WATER LINE VALVE BOXES:
THE WATER LINE SYSTEM LOCATED ON THESE STREETS IS OWNED AND OPERATED BY AQUA OHIO. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE RAISING AND ADJUSTMENT OF THE WATER LINE VALVE BOXES TO MATCH THE FINAL ASPHALT LEVEL. THE COST FOR THE RAISING OR ADJUSTMENT OF THE WATER LINE VALVE BOXES SHALL BE INCLUDED IN THE UNIT COST BID FOR ODOT ITEM 441.

JOINTS:
ALL TRANSVERSE CONSTRUCTION JOINTS SHALL BE FORMED OR CUT TO A VERTICAL FACE AND COATED IN ACCORDANCE WITH ODOT 401.15.

CURB AND GUTTER:
JOINTS ALONG CURBS AND GUTTERS SHALL BE SEALED WITH PG64-22. PAYMENT SHALL BE INCLUDED IN THE PRICE OF ITEM 441, (SURFACE COURSE) BID.

SWEEPING:
ALL STREETS SHALL BE BROOMED, BY THE CONTRACTOR, PRIOR TO PAVING.

DRIVEWAY APPROACHES:
CONTRACTOR SHALL REMOVE AND REPLACE ANY ASPHALT WEDGES IN FRONT OF DRIVEWAY APPROACHES TO ALLOW FOR A SMOOTH TRANSITION BETWEEN THE ROADWAY AND DRIVEWAY. TEMPORARY WEDGES SHALL BE PLACED AND MAINTAINED USING PLANED ASPHALT UNTIL PAVING IS PERFORMED. THE COST IS TO BE INCLUDED IN THE UNIT COST BID FOR ITEM 441 FOR ANY STREET.

ITEM 407 - TACK COAT

TACK COAT SHALL BE APPLIED AT A RATE OF 0.10 GALLON PER SQUARE YARD, UNLESS OTHERWISE SPECIFIED. CONTRACTOR SHALL KEEP PAST TACK AREA SHCKETER TO PREVENT DEGRADATION OF TACK COAT BY DRIVEN OVER BY CONSTRUCTION OR PUBLIC TRAFFIC. REAPPLY AS DIRECTED AT NO ADDITIONAL COST TO THE OWNER IF DEGRADED. CONTRACTOR MUST TAR SEAM AND APPLY SEAL AT THE CENTER JOINTS AND ALL EDGES OF PAVEMENT.

ITEM 441 - ASPHALT CONCRETE

LIMITS OF ASPHALT CONCRETE PAVING WILL BE AS DIRECTED BY THE OWNER/ENGINEER. THE NOMINAL COMPACTED THICKNESS OF THIS ITEM SHALL BE AS SHOWN ON THE TYPICAL DETAILS. AGGREGATE FOR SURFACE COURSE SHALL CONFORM TO THE REQUIREMENTS OF ITEM 703.05, EXCEPT AS MODIFIED HEREIN:

A. FINE AGGREGATE FOR BITUMINOUS MIXTURES SHALL CONSIST OF NATURAL SAND. NATURAL SAND SHALL CONSIST OF HARD, SHARP, ANGULAR GRAINS OF QUARTZ, OR OTHER HARD, DURABLE ROCK, FREE FROM LUMPS OF CLAY, LOAM, COATINGS OF ANY INJURIOUS MATERIALS, OR OTHER FOREIGN MATTER. DUNE SAND, BEACH SAND, OR SAND HAVING SMOOTH ROUNDED SURFACES SHALL NOT BE USED.
B. COARSE AGGREGATE SHALL CONSIST OF WASHED GRAVEL. THE YIELD OF CUBIC YARDS OF AGGREGATE SHALL BE MEASURED IN ACCORDANCE WITH 421.
C. MAXIMUM 10 PERCENT RECYCLED MATERIAL IS ACCEPTABLE.
D. CONVERSION FACTOR FOR ODOT 441 SHALL BE 2.3 TONS/C.Y.
E. ASPHALT BINDER SHALL BE PG64-22.

INSPECTION AND TESTING MATERIALS:
RANDOM SAMPLES WILL BE COLLECTED DURING THE DAILY PRODUCTION OF EACH TYPE OF MATERIAL. ONE OF THESE SAMPLES WILL BE FORWARDED TO A LABORATORY FOR ANALYSIS. ALL OTHERS WILL BE IDENTIFIED AND SAVED FOR FUTURE REFERENCE. THE SAMPLES WILL BE TESTED IN ACCORDANCE WITH 441 OF THE SPECIFICATIONS. SAMPLES WILL BE CHECKED FOR CONFORMANCE WITH THE JOB MIX FORMULA.

THE CITY HAS THE RIGHT TO PULL ANY TRUCKS AND WEIGH THEM AT ANY TIME DURING THE COURSE OF THE WORK.

TRAFFIC MAINTENANCE AND TEMPORARY CENTER LINES:
TRAFFIC SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE COST OF TRAFFIC CONTROL SHALL BE INCLUDED IN THE COST OF ITEM 441.

ITEM 151 - PARTIAL DEPTH REPAIR

A QUANTITY OF THIS ITEM IS PROVIDED TO BE USED AS DIRECTED BY THE OWNER/ENGINEER AND AS INDICATED ON THE BID FORM. THE ITEM SHALL MEET THE REQUIREMENTS OF ODOT ITEM 151 - PARTIAL DEPTH REPAIR.

GENERAL NOTES

THE SUCCESSFUL BIDDER(S) MUST SCHEDULE A PRECONSTRUCTION CONFERENCE WITH THE OWNER WITHIN TEN (10) BUSINESS DAYS OF AWARDING THE CONTRACT.

THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE OWNER A DETAILED CONSTRUCTION SCHEDULE FIFTEEN (15) BUSINESS DAYS PRIOR TO THE PLACEMENT OF THE ASPHALT COURSE AND INDICATE HOW THEY PROPOSE TO EXECUTE PAVING OPERATIONS. THE DETAILED SCHEDULE SHALL SHOW THE ORDER OF PERFORMANCE (START TO FINISH) OF THE WORK, INCLUDING THE MAINTENANCE OF TRAFFIC THAT WILL BE USED.

THE CONSTRUCTION OF THE IMPROVEMENTS SHALL BE ACCOMPLISHED WITH A MINIMUM OF INCONVENIENCE TO THE ABUTTING PROPERTY OWNERS AND LOCAL TRAFFIC. LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, USING EXISTING OR NEW PAVEMENT, AND IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. AND CONTRACTOR AGREES TO INDEMNIFY AND SAVE HARMLESS THE OWNER FOR ANY NEGLIGENCE IN THIS REGARD, WHICH CAUSES DAMAGE TO ANY PERSON OR PERSONS. IN THE EVENT THAT A ROAD CLOSURE IS REQUIRED, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND MUST RECEIVE THE OWNER'S APPROVAL PRIOR TO CLOSING THE ROAD.

IF, IN THE OPINION OF THE OWNER/ENGINEER, PROPER MAINTENANCE OF TRAFFIC FACILITIES AND PROPER PROVISIONS FOR TRAFFIC CONTROL ARE NOT BEING PROVIDED BY THE CONTRACTOR, THE OWNER/ENGINEER MAY TAKE THE NECESSARY STEPS TO PLACE THEM IN PROPER CONDITION, AND THE COST OF SUCH SERVICES WILL BE DEDUCTED FROM ANY MONEY WHICH MAY BE DUE OR BECOME DUE THE CONTRACTOR.

UPON COMPLETION OF 50 PERCENT OF THE CONTRACT WORK, CONTRACTOR MAY SUBMIT A MONTHLY PAYMENT REQUEST FOR PARTIAL PAYMENT OF THE COMPLETED WORK, LESS 8 PERCENT RETAINAGE.

FINAL AND COMPLETE PAYMENT WILL BE MADE TO THE CONTRACTOR UPON RECEIPT OF THE ABOVE AND THE PROPER EXECUTION OF THE CONCLUSION AFFIDAVIT.

THE CONTRACTOR SHALL HAVE A COPY OF THE MOST RECENT STATE OF OHIO DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS ON THE JOB AT ALL TIMES DURING CONSTRUCTION. COPIES OF THIS EDITION CAN BE OBTAINED UPON REQUEST OF THE:

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
OFFICE OF CONTRACT SALES
25 SOUTH FRONT STREET
COLUMBUS, OHIO 43215

THE OWNER HAS THE AUTHORITY TO ACCEPT OR REJECT THE USE OF THE CONTRACTOR OR ANY SUBCONTRACTOR.

THE OWNER RESERVES THE RIGHT TO DELETE ANY OR ALL ITEMS OF WORK. SUCH ACTION SHALL IN NO WAY INVALIDATE THE CONTRACT.

NOTE:
ALL BIDDERS TO SUBMIT THE FOLLOWING DOCUMENTS WITH THEIR BID. NO AWARD WILL BE MADE NOR A CONTRACT EXECUTED UNTIL THE FOLLOWING ITEMS HAVE BEEN SUBMITTED AND APPROVED:

1. ODOT PLANT APPROVAL.
2. BITUMINOUS MATERIAL PRODUCER'S CERTIFICATION.
3. PROPOSED ODOT APPROVED MIX DESIGN, INCLUDING ALL CODE NUMBERS.
4. ODOT PREQUALIFICATION CERTIFICATE.
5. ODOT LEVEL 2 LAB APPROVAL.

PAVEMENT MARKINGS

ALTHOUGH PERMANENT PAVEMENT MARKINGS ARE TO BE INSTALLED AT THE END OF CONSTRUCTION, PAVEMENT MARKING PLAN SHEETS HAVE NOT BEEN INCLUDED IN THE CONTRACT PLANS. IN LIEU OF A PAVEMENT MARKING PLAN, THE CONTRACTOR SHALL PRIOR TO THE START OF CONSTRUCTION, PREPARE AN INVENTORY AND LOG OF ALL EXISTING PAVEMENT MARKINGS THAT WILL BE DISTURBED DURING CONSTRUCTION. THE INVENTORY SHALL BE USED FOR RESTORATION OF MARKINGS AT THE END OF CONSTRUCTION. THE CONTRACTOR SHALL DELIVER TWO (2) COPIES OF THE INVENTORY AND LOG TO THE ENGINEER BEFORE BEGINNING ANY PAVEMENT REMOVALS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF THE VARIOUS FINAL PAVEMENT MARKINGS IN ACCORDANCE WITH ODOT ITEM 641.36, UNLESS DIRECTED OTHERWISE BY THE ENGINEER. THE FINAL PAVEMENT MARKINGS SHALL BE RESTORED IN THEIR ORIGINAL PATTERNS AND LOCATION. FINAL LOCATION OF ALL PAVEMENT MARKINGS SHALL BE APPROVED BY THE CITY OF STRUTHERS IN THE FIELD.

THE COST OF INVENTORY AND LOGGING OF ALL EXISTING PAVEMENT MARKINGS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS PAVEMENT MARKING ITEMS. NO SEPARATE PAYMENT WILL BE MADE.

NOTES

1. CONTRACTOR SHALL ADJUST CATCH BASINS, MANHOLES, AND VALVE BOXES PRIOR TO RESURFACING AS DIRECTED BY THE ENGINEER.
2. CONTRACTOR SHALL CROWN ROAD IN SUCH A WAY AS TO ACHIEVE POSITIVE DRAINAGE.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS, 2023 EDITION, OR LATEST EDITION.
4. CONVERSION FACTOR FOR ALL ASPHALT USED ON THIS PROJECT SHALL BE 2.3 TONS PER CUBIC YARD.
5. CONTRACTOR SHALL PERFORM REPAIR AS DIRECTED BY THE FIELD ENGINEER, UNLESS OTHERWISE INDICATED ON PLANS.
6. CONTRACTOR SHALL DOCUMENT LOCATION OF EXISTING PAVEMENT MARKINGS PRIOR TO PAVEMENT PLANING. CONTRACTOR SHALL PLACE NEW PAVEMENT MARKINGS IN SAME LOCATIONS FOLLOWING THE RESURFACING. PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH ODOT ITEM 641.
7. CONTRACTOR SHALL MAKE SURE ALL EXISTING DOWNSPOUT CURB DRAINS ARE CLEAR DURING AND AFTER RESURFACING. ANY DAMAGES THAT OCCUR TO THE DRAIN SHALL BE REPAIRED AT THE COST OF THE CONTRACTOR.
8. CONTRACTOR SHALL MAKE SURE ALL EXISTING CURB INLET OPENINGS REMAIN UNOBSTRUCTED AT ALL TIMES. ALL PROPOSED PAVING SHALL SLOPE TO EXISTING CURB INLET OPENING AND NOT REMOVE THE ORIGINAL THROAT OR DEPRESSION HEIGHT.

INDEX OF SHEETS

DRAWING NO.	SHEET TITLE
GENERAL	
-	TITLE SHEET
G-1.0	GENERAL NOTES, SPECIFICATIONS, AND SHEET INDEX
G-2.0	PAVEMENT DETAILS AND CALCULATIONS
G-3.0	OVERALL LOCATION PLAN
RESURFACING PLANS	
C-1.0	CREED STREET
C-2.0	LINCOLN STREET
C-3.0	ELM COURT & WILLIAMS STREET
C-4.0	BOB CENE WAY
C-5.0	BOB CENE WAY ALT 1 CONCRETE PAVEMENT

LEGEND

- EX. MANHOLE
- EX. CATCH BASIN
- EX. WATER VALVE
- R/W — EX. RIGHT-OF-WAY
- EX. PROPERTY LINE
- CENTERLINE OF ROADWAY
- PROP. ROAD RESURFACING
- PROP. BUTT JOINT (TYP. AT ALL INTERSECTIONS)
- PROP. PAVEMENT IMPROVEMENTS FOR CREED STREET ALT - 2

NO.	REVISIONS	DATE
1	ADDENDUM NO. 2	
2	ADDENDUM NO. 3	

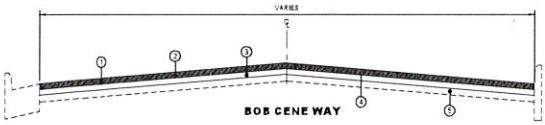
ms consultants, inc.
Professional Engineers • Surveyors • Architects
1111 Edwin C. Moses Blvd.
Youngstown, Ohio 44512-1913
(330) 746-7151 Fax (330) 746-8707

CITY OF STRUTHERS
MAHONING COUNTY, OHIO
2025 PAVEMENT STREET IMPROVEMENT PROJECT

GENERAL NOTES, SPECIFICATIONS, AND SHEET INDEX

Project No. 51-22649-03
Drawn by AVA / REC
Checked by SCP
Approved by ZRT
Scale N.T.S.
Date 6/27/25
Issue Status FINAL DESIGN
Sheet No. G-1.0

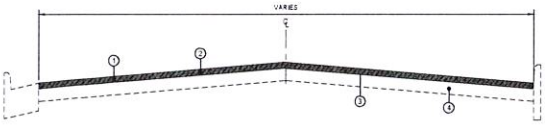
ADDENDUM NO. 3



TYPICAL FULL WIDTH PAVEMENT PLANING & RESURFACING DETAIL

SCALE N.T.S.

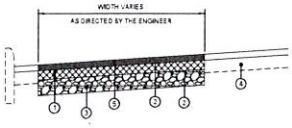
1. ODOT ITEM 254 - PAVEMENT PLANING (FULL WIDTH, T=4.5")
2. ODOT ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), AS PER PLAN, PG64-22 (T=1.5")
3. ODOT ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448), PG64-22 (T=3")
4. ODOT ITEM 407 - TACK COAT (@ 0.10 GAL/SY)
5. EXISTING ASPHALT PAVEMENT



TYPICAL FULL WIDTH PAVEMENT PLANING & RESURFACING DETAIL

SCALE N.T.S.

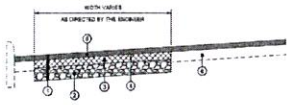
1. ODOT ITEM 254 - PAVEMENT PLANING (FULL WIDTH, T=1.5")
2. ODOT ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), AS PER PLAN, PG64-22 (T=1.5")
3. ODOT ITEM 407 - TACK COAT (@ 0.10 GAL/SY)
4. EXISTING ASPHALT PAVEMENT



TYPICAL PARTIAL DEPTH REPAIR DETAIL

SCALE N.T.S.

1. ODOT ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441)
   - 254 - PAVEMENT PLANING (T=1.75")
   - 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448), PG64-22 (T=1.75")
2. ODOT ITEM 407 - TACK COAT (@ 0.10 GAL/SY)
3. EXISTING BASE
4. EXISTING ASPHALT PAVEMENT
5. 1.5" PAVEMENT PLANING & 1.5" SURFACE COURSE TO BE PAID SEPARATELY PER TYPICAL PAVEMENT PLANING & RESURFACING DETAIL



TYPICAL FULL DEPTH REPAIR DETAIL

SCALE N.T.S.

1. ODOT ITEM 262 - FULL DEPTH REPAIR (SECTION, SAW CUT AND REMOVE EXISTING PAVEMENT AND AGGREGATE BASE TO A DEPTH OF 14" (LOCATION, LENGTH & WIDTH OF SAW CUT TO BE DETERMINED BY THE ENGINEER)
2. ODOT ITEM 262 - ODOT 304 AGGREGATE BASE (T=12")
3. ODOT ITEM 262 - ODOT 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (448), PG64-22 (T=2.5")
4. ODOT ITEM 407 - TACK COAT (@ 0.10 GAL/SY)
5. ODOT ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), AS PER PLAN, PG64-22 (T=1.5")
6. EXISTING ASPHALT PAVEMENT

NOTE: ITEM 5 WILL BE PAID SEPARATELY PER TYPICAL PAVEMENT PLANING & RESURFACING DETAIL

PAVEMENT CALCULATIONS

		PAVEMENT PLANING & RESURFACING					PAVEMENT REPAIR
STREET	SHEET	TOTAL AREA (S.F.)	PAVEMENT PLANING (S.Y.)	ASPHALT CONCRETE SURFACE COURSE TYPE 1 (448), PG 64-22 (C.Y.)	ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2 (448), PG 64-22 (C.Y.)	TACK COAT (GAL.)	ITEM 251 - PARTIAL DEPTH (S.Y.)
CREED STREET	C-1.0	38,200	3,194	133	NA	320	178
LINCOLN STREET	C-2.0	70,500	7,833	326	NA	783	395
ELM COURT	C-3.0	13,000	1,444	60	NA	144	75
W. LEWIS STREET	C-3.0	19,200	2,133	89	NA	213	120
BOB CENE WAY	C-4.0	64,000	7,111	296	593	711	1,067
	TOTALS	204,900	20,815	904	593	2,171	1,835

NOTE: PAVEMENT REPAIR, PARTIAL DEPTH PAVEMENT REPAIR, MANHOLES ADJUSTED TO GRADE, WATER VALVES ADJUSTED TO GRADE, AND CATCH BASINS ADJUSTED TO GRADE SHALL BE DETERMINED BY THE ENGINEER. PAVEMENT REPAIR AND PARTIAL DEPTH PAVEMENT REPAIR QUANTITIES HAVE BEEN CALCULATED BASED ON A PERCENTAGE OF THE TOTAL PAVEMENT PLANING AREA FOR EACH STREET.

NO.	REVISIONS	DATE
1	ADDENDUM NO. 2	-
	RE-ISSUING	-

USA

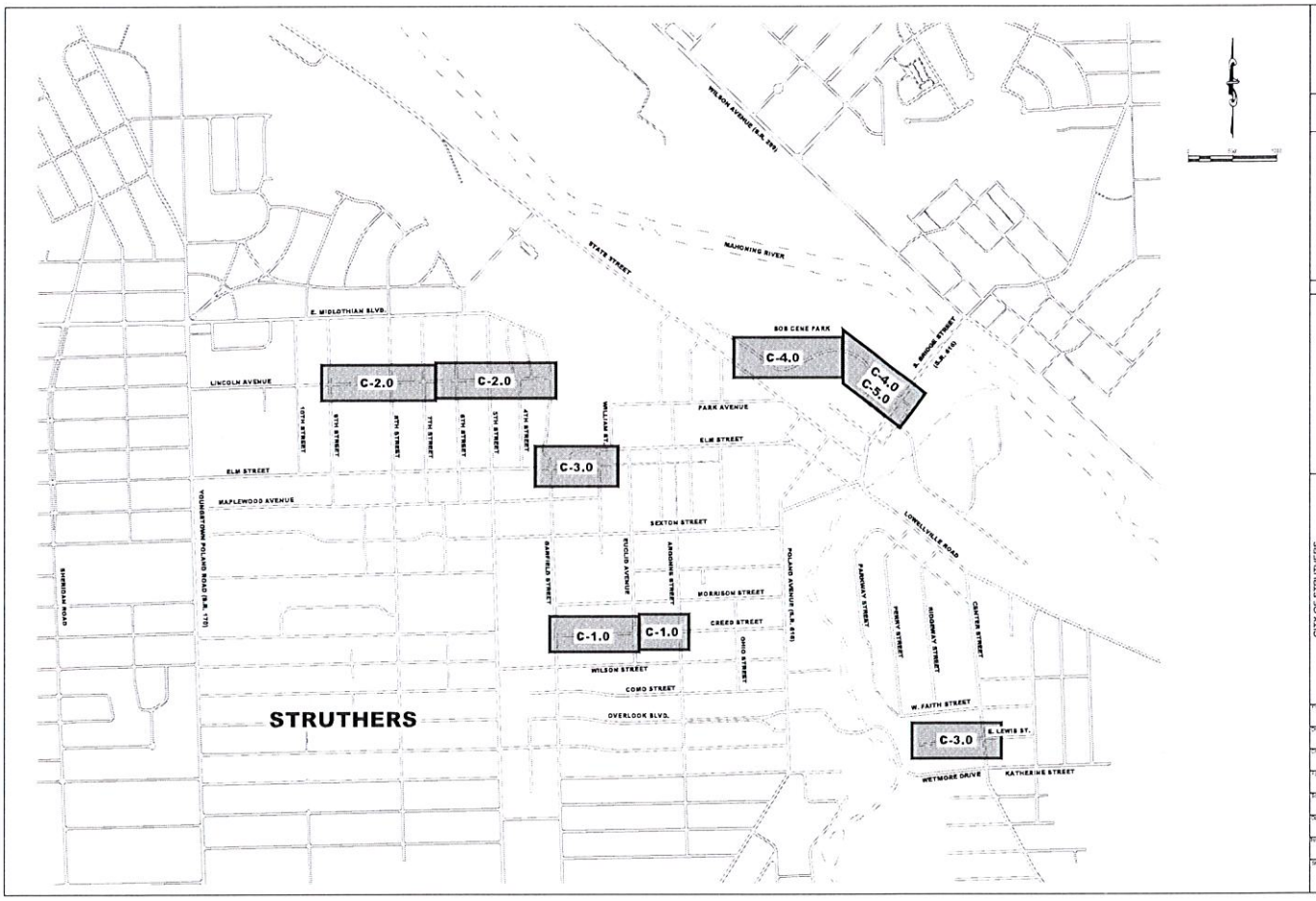
ms consultants, inc.
engineers scientists planners
1514 WILT ROAD (PO BOX 1488)
YOUNGSTOWN, OHIO 44514-1488
(330) 746-7021 Fax (330) 746-7028

CITY OF STRUTHERS
MAHONING COUNTY, OHIO
2025 STRUTHERS STREET
IMPROVEMENT PROJECT

PAVEMENT DETAILS AND CALCULATIONS

PROJECT NUMBER: 51-22649-03
DRAWN BY: ASM / EEC
DESIGNED BY: SCP
REVIEWED BY: ZRT
SCALE: N.T.S.
DATE: 6/27/25
FINAL TITLE: FINAL DESIGN
SHEET NO.: G-2.0

ADDENDUM NO. 3



NO.	REVISIONS	DATE

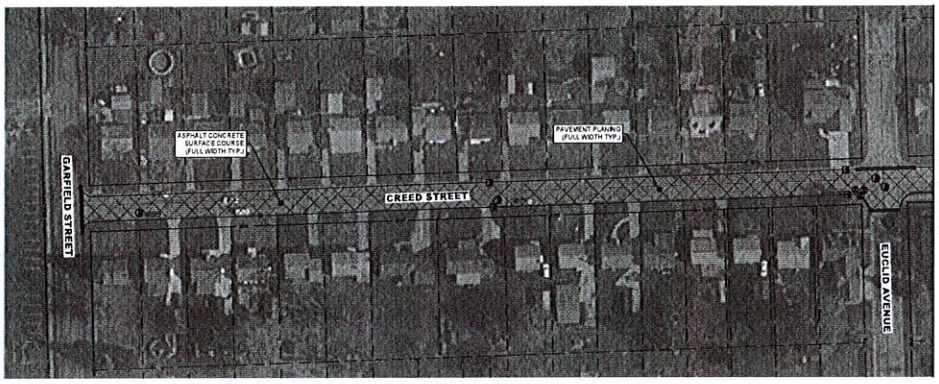
ms consultants, inc.

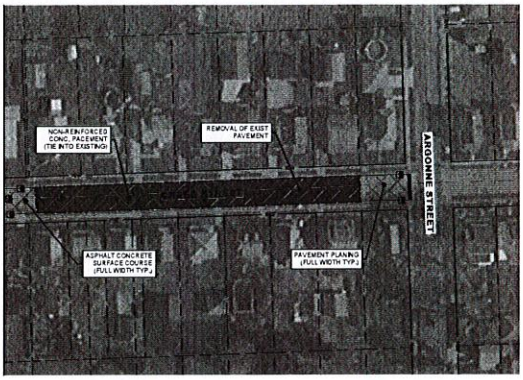
CITY OF STRUTHERS
MAHONING COUNTY, OHIO
2025 STRUTHERS STREET IMPROVEMENT PROJECT

OVERALL LOCATION PLAN

Project Number: 51-20649-03
Drawn By: AVA / KEC
Checked By: SCP
Approved By: ZRT
Scale: 1" = 500'
Date: 6/25/25
Issue Date: FINAL DESIGN
Sheet No.: G-3.0

ADDENDUM NO. 3





NOTES

1. ABOVE GROUND UTILITIES, SUCH AS MANHOLE, CATCH BASINS, WATER VALVES, ETC. ARE TO BE ADJUSTED TO MEET FINISHED GRADE, AS DIRECTED BY THE ENGINEER.

NO.	ADDENDUM NO. 2	REVISIONS	DATE
1			
2			
3			

SEAL

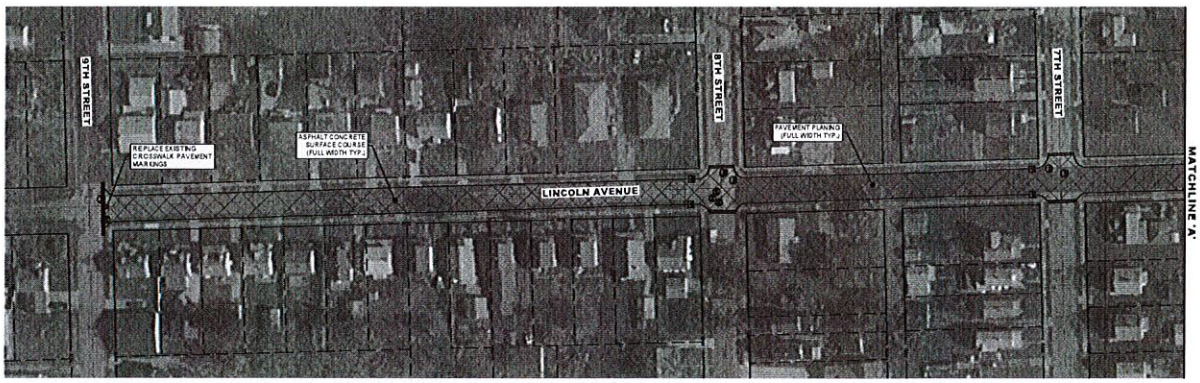
ms consultants, inc.
Engineers • Architects • Planners
1175 EDGELEY ROAD
YOUNGSTOWN, OHIO 44514
(330) 746-2651 FAX (330) 746-2779
(330) 746-2651

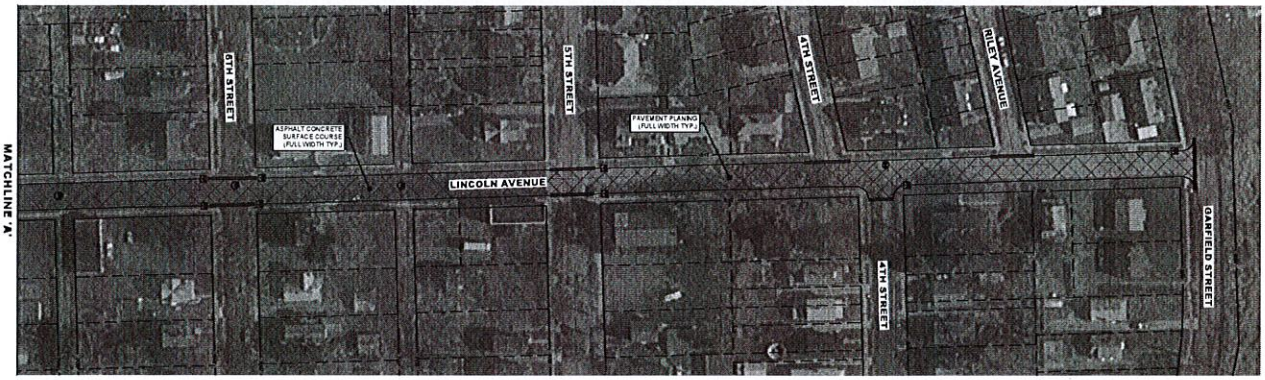
CITY OF STRUTHERS
MAHONING COUNTY, OHIO
2025 STRUTHERS STREET IMPROVEMENT PROJECT

CREED STREET RESURFACING PLAN
ALTERNATE NO. 2 - CONCRETE PAVEMENT

PROJECT NUMBER	81-20649-03
DRAWN BY	AVA / KEC
CHECKED BY	SCP
REVIEWED BY	
TECHNICIAN	ZRT
SCALE	1" = 50'
DATE	6/27/25
PLAN TYPE	FINAL DESIGN
SHEET NO.	C-1.0

ADDENDUM NO. 3





NOTES

1. ABOVE GROUND UTILITIES, SUCH AS MANHOLE, CATCH BASINS, WATER VALVES, ETC. ARE TO BE ADJUSTED TO MEET FINISH-ED GRADE, AS DIRECTED BY THE ENGINEER.

NO.	REVISIONS	DATE

SEAL

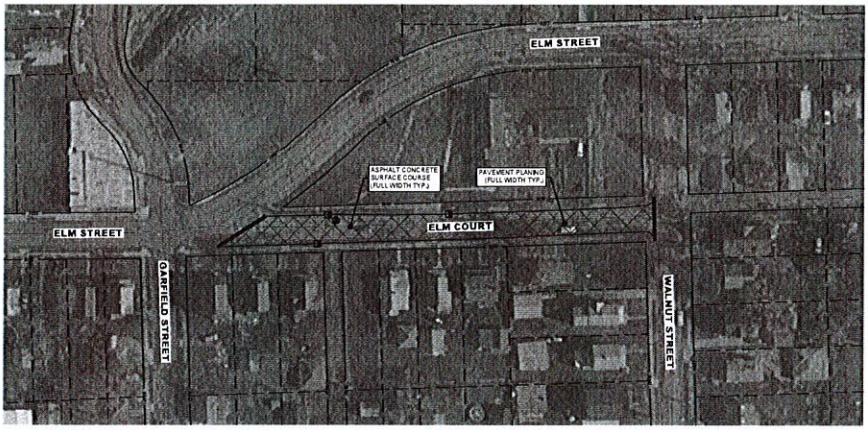
ms consultants, inc.
Engineers • Architects • Planners
1115 MUNICIPAL PLAZA
YOUNGSTOWN, OHIO 44482
(330) 744-5321 Fax (330) 744-3779

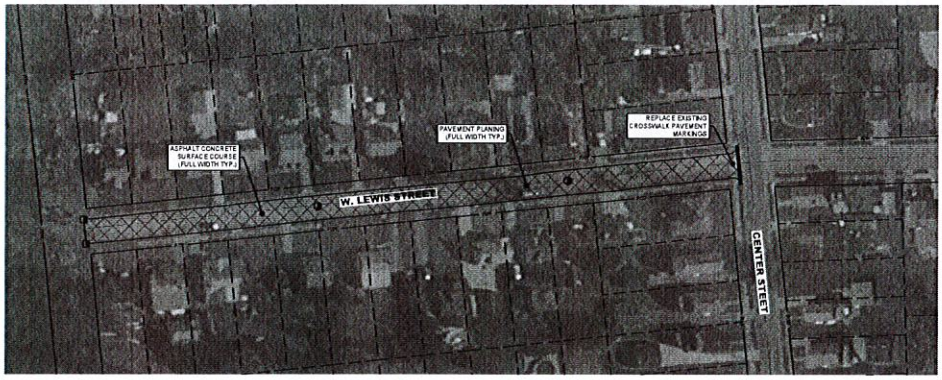
CITY OF STRUTHERS
MAHONING COUNTY, OHIO
2025 STRUTHERS STREET IMPROVEMENT PROJECT

LINCOLN STREET RESURFACING PLAN

Project Number: 51-22649-03
Drawn by: AVA / KEC
Checked by: SCP
Approved by: ZRT
Scale: 1" = 50'
Date: 6/27/25
Plot Date: FINAL DESIGN
Drawing No.: C-2.0

ADDENDUM NO. 3





NOTES

1. ABOVE GROUND UTILITIES, SUCH AS MANHOLE, CATCH BASINS, WATER VALVES, ETC. ARE TO BE ADJUSTED TO MEET FINISHED GRADE, AS DIRECTED BY THE ENGINEER.

NO.	REVISIONS	DATE

SEAL

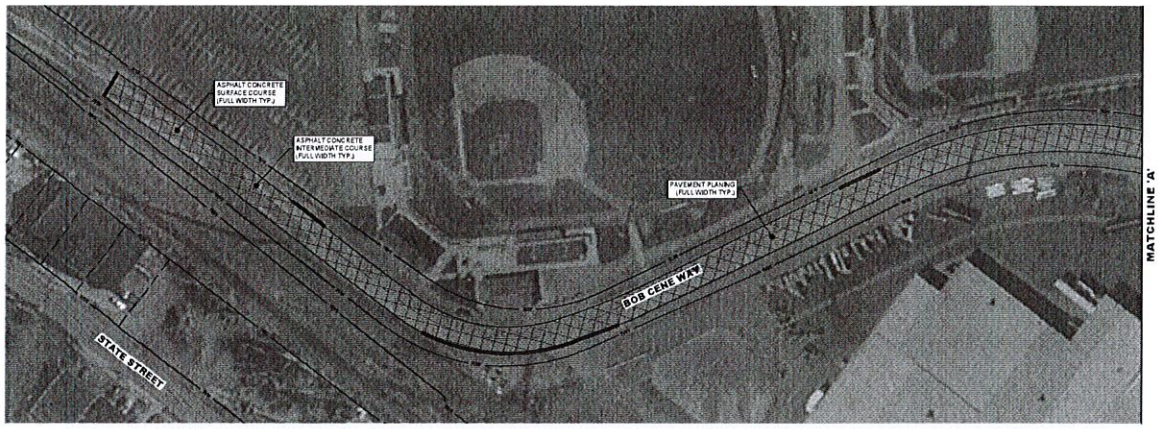
ms consultants, inc.
Professional Engineers, Architects, Surveyors

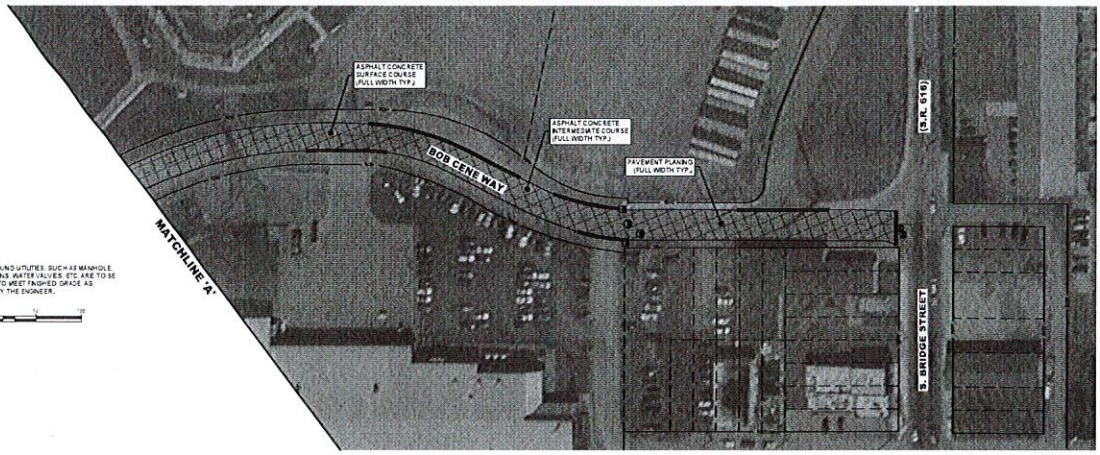
CITY OF STRUTHERS
MAHONING COUNTY, OHIO
2025 STRUTHERS STREET IMPROVEMENT PROJECT

ELM COURT & W. LEWIS STREET
RESURFACING PLAN

PROJECT NUMBER	61-22649-03
DRAWN BY	AUA / KEC
CHECKED BY	SCP
REVIEWED BY	ZRT
SCALE	1" = 50'
DATE	9/27/25
ISSUE TITLE	FINAL DESIGN
SHEET NO.	C-3.0

ADDENDUM NO. 3





NOTES

1. ABOVE GROUND UTILITIES, SUCH AS MANHOLE, CATCH BASINS, WATER VALVES, ETC ARE TO BE ADJUSTED TO MEET FINISHED GRADE AS DIRECTED BY THE ENGINEER.

NO.	REVISIONS	DATE

SEAL

ms consultants, inc.
engineers · architects · planners
1111 E. KEL-ELDA AVENUE, SUITE 1
YOUNGSTOWN, OHIO 44511-1621
(330) 746-8118 · FAX (330) 746-1279
(800) 366-7667

CITY OF STRUTHERS
MAHONING COUNTY, OHIO
2005 STREET IMPROVEMENTS
IMPROVEMENT PROJECT

BOB GENE WAY RESURFACING PLAN

PROJECT NUMBER	61-20649-03
DRAWN BY	AUA / KEC
CHECKED BY	SCP
ESTIMATED BY	ZRT
SCALE	1" = 10'
DATE	6/27/05
PLAN TABLE	FINAL DESIGN
SHEET NO.	C-4.0

ADDENDUM NO. 3