Department of Public Works
Engineering Division
602 S Main Street
Joplin, Missouri 64801
417-624-0820

May 28, 2024

CITY OF JOPLIN
Zora Street and Duquesne Road Intersection Improvements

Addendum No. 3

Contract Bidders:

Enclosed is Addendum No. 3 for the above referenced project. Please execute, attach, and submit this Addendum No. 3 with your bid.

City of Joplin

Rob Beachner,
Project Manager

The undersigned hereby acknowledges receipt of this addendum, which by this reference is hereby incorporated in and becomes a part of the Contract Documents for the above referenced project.

_____

Company Name

_____

Signature

_____

Printed Name, Title

May 28, 2024

ADDENDUM NO. 3

PROJECT:	Zora Street & Duquesne Road Intersection Improvements Joplin, Missouri
BID OPENING:	10:00 a.m., June 06, 2024 602 S Main St. 4th Floor Joplin, Missouri

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This addendum forms a part of the Bid Documents for the project described above. The original Bid Documents and any prior addenda remain in full force and effect except as modified by the following, which shall take precedence over any contrary provision in the prior documents. The following clarifications are made:

Clarifications

1. **Building Access.** Contractor may access the building for demo by reaching out to Rob Beachner at 417-624-0820 Ext. 1543 or by email at rbeachne@joplinmo.org

Plan Sheets

The following plan sheets have been updated and included with this addendum.

1. Sheet 2 – General Layout
    a. Location of Proposed Fiber Conduit and Pull Boxes
2. Sheet 7 – Summary of Quantities
    a. Update MoDOT Barrier Curb
    b. Add Fiber installation quantities.
3. Sheet 19 – Roadway Plan and Profile
    a. Location of Proposed Fiber Conduit and Pull Boxes
4. Sheet 21 – Roadway Plan and Profile (East Leg)
    a. Location of Proposed Fiber Conduit and Pull Boxes
5. Sheet 39A – Fiber Optics Details
    a. Add details for fiber conduit installation

Bid Form

1. The attached bid form has been included to incorporate the changes mentioned above.

In order to have a valid bid proposal, this addendum must be acknowledged and returned with your bid proposal.

If you have any questions concerning this addendum, please feel free to contact Jonathan Peitz at (417) 885-1763.



Jonathan Peitz, P.E.
Project Engineer
Olsson

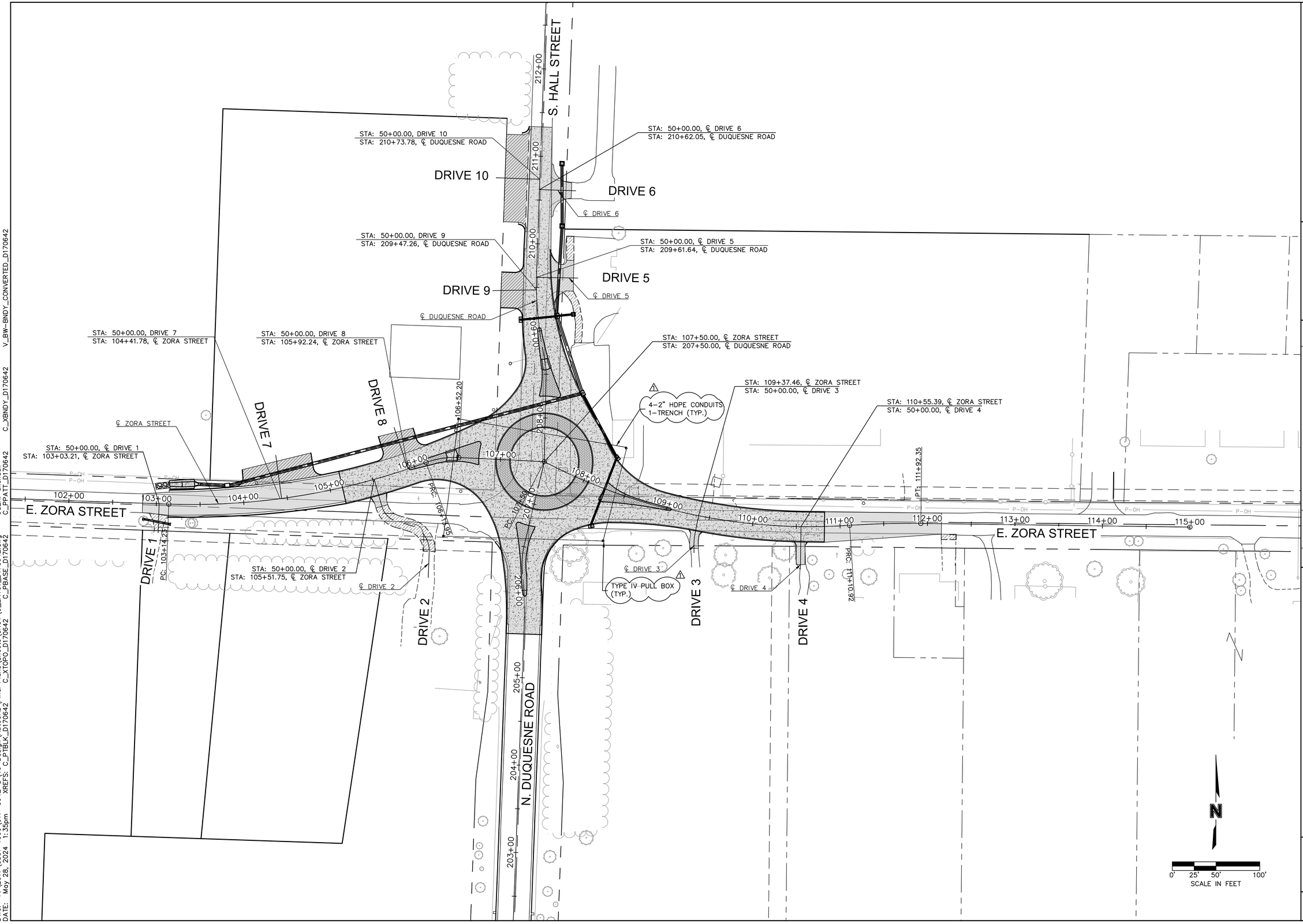
ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL PRICE
1	Mobilization	LS	1		
2	Contractor Furnished Construction Staking and Surveying	LS	1		
3	Clearing & Grubbing / Tree & Brush Removal	LS	1		
4	Demolition & Removal	LS	1		
5	Building Demolition	LS	1		
6	Seeding, Fertilizing and Mulch	SY	5047		
7	Silt Fence	LF	971		
8	Curb / Inlet Protection	EA	9		
9	Alternate Ditch Check	LF	126		
10	Unclassified Excavation	CY	2600		
11	Embankment	CY	1250		
12	Imported Fill	CY	100		
13	Removal of Unsuitable Material	CY	100		
14	Backfill of Unsuitable Material	CY	100		
15	8" MoDOT Type 5 Aggregate Base	SY	6921		
16	18" MoDOT Type 5 Aggregate Base	SY	879		
17	Asphaltic Concrete Surface (2") (MoDOT BP-1)	TONS	132		
18	Asphaltic Concrete Base (8") (MoDOT Bituminous Base)	TONS	530		
19	Asphalt Tack	GAL	188		
20	Asphalt Primer	GAL	1177		
21	10" Concrete Pavement (Roadway)	SY	4368		
22	10" Concrete Pavement (Truck Apron) (Red Tint)	SY	497		
23	6" Concrete Splitter Island (Red Tint) (Pinned On)	SY	348		
24	6" Concrete Center Island	SY	531		
25	Standard Curb & Gutter	LF	561		

26	1' MoDOT Type A Integral Barrier Curb	LF	2386		
27	1' Truck Apron Curb	LF	352		
28	1' Upright Curb (MoDOT Modified Type F) (Roundabout Center)	LF	251		
29	Commercial Driveway Construction (8" Concrete) (Incl. 4" MoDOT Type 5 Agg. Base)	SY	931		
30	Residential Driveway Construction (6" Concrete) (Incl. 4" MoDOT Type 5 Agg. Base)	SY	77		
31	6" MoDOT Type 1 Aggregate Surface	SY	237		
32	Type C Inlet 5'x3' I.D.	EA	3		
33	Type C Inlet 5'x4' I.D.	EA	2		
34	Type C Inlet 5'x5' I.D.	EA	1		
35	Area Inlet 3'x3' I.D.	EA	1		
36	Area Inlet 4'x4' I.D.	EA	2		
37	15" Class III RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	167		
38	18" Class III RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	79		
39	24" Class III RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	166		
40	30" Class III RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	532		
41	15" RCP FES (including trenching, bedding, backfill, gaskets, and concrete collars)	EA	2		
42	30" RCP FES (including trenching, bedding, backfill, gaskets, and concrete collars)	EA	1		
43	Concrete Ditch Liner	SY	38		
44	Rock Blanket	SY	12		
45	Removal & Resetting Existing Signs	LS	1		
46	Permanent Signage W2-6	SF	36		
47	Permanent Signage W13-1P	SF	9		
48	Permanent Signage OM1-3	SF	9		
49	Permanent Signage R1-2	SF	64		
50	Permanent Signage R6-4A	SF	32		
51	Permanent Signage D3-1	SF	15		

52	Permanent Signage Post	EA	20		
53	Changeable Message Sign (Contractor Furnished)	EA	5		
54	Traffic Control Signage W20-1	SF	18		
55	Traffic Control Signage W20-3	SF	36		
56	Traffic Control Signage R11-2	SF	50		
57	Traffic Control Signage R11-4	SF	40		
58	Traffic Control Signage G20-2	SF	18		
59	Traffic Control Type III Barricade	EA	8		
60	Traffic Control Temporary Sign Post	EA	12		
61	Pavement Marking Removal	LF	540		
62	4" SolidYellow Lane Line	LF	4093		
63	4" Broken Yellow Lane Line	LF	100		
64	4" Solid White Edge Line	LF	871		
65	12" Solid White Pavement Marking	LF	90		
66	12" Yellow Pavement Marking (Includes Splitter island face and top striping)	LF	754		
67	12" Broken White Pavement Marking	LF	115		
68	24" Yellow Pavment Marking ((Diagonal Lines)	LF	115		
69	18"x12" Solid White Yield Marking	EA	25		
70	Truncated Domes	SF	84		
71	27.5' Aluminum Pole, 30' Mounting Height	EA	9		
72	Street Light Foundation	EA	9		
73	Cobra Head Luminaire (240V), 140 Watt Led, Type III	EA	9		
74	Bracked Arm, 8' Length W/ 2'6" Rise, Single Arm	EA	9		
75	Power Pedistal-Pad Mounted, 4-Circuit	EA	1		
76	Pedestal-Pad Foundation	EA	1		
77	Type II Junction Box	EA	6		

78	2" Schedule 40 PVC Conduit (Lighting)	LF	1010		
79	3" Schedule 40 PVC Conduit (Controller to Transformer)	LF	150		
80	3-1c #1/0 RHH/RHW/USE CU (Power)	LF	200		
81	3-1c #4 USE CU w/1-1c#6 Bare CU (Distribution)	LF	1070		
82	1-2c #14 THHN (Pole & Bracket)	LF	378		
83	Fused Connector Kit w/8 Amp Fuse	EA	18		
84	Unfused Connector	EA	9		
85	Multitap Connector	EA	27		
86	Ground Rod (1/2"X10')	EA	10		
87	Breakaway Pole Device	EA	9		
88	2" SDR 13.5 HDPE Conduit w/ Pull String (Fiber Optic)	EA	2480		
89	Type IV Fiber Optic Pull Box	EA	4		
90	1-10C Tracer Wire	EA	620		

BASE BID TOTAL = _____



C_XBNDY_D170642 V_BW-BNDY_CONVERTED_D170642

USER: skendall C_PPATT_D170642

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DATE: May 28, 2024 1:35pm XREFS: C_PTBLK_D170642 C_XTOPO_D170642 C_PBASE_D170642

olsson
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TEL 417.781.0643
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Jonathan Peitz
2024.05.28 13:47:37 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ–CIVIL ENGINEER
MO# PE–2017019023

REV. NO.	DATE	REVISIONS DESCRIPTION	BY
1	5/24/2024	ADDENDUM #3 - FUTURE FIBER OPTIC CONDUIT	SMK

REVISIONS

GENERAL LAYOUT

ZORA STREET IMPROVEMENTS - PHASE 1
CITY OF JOPLIN

JOPLIN, MISSOURI

2024

drawn by:	ZLL/SMK/CTK
checked by:	CAD
approved by:	JWP
QA/QC by:	ENG
project no.:	017-0642-D
drawing no.:	C_LAY01_D170642
date:	4/26/2024

SHEET
2 of 88

RECAPITULATION OF QUANTITIES - BASE BID

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	GOVERNING TECHNICAL SPECIFICATION
1	Mobilization	LS	1	JSP-0400-03
2	Contractor Furnished Construction Staking and Surveying	LS	1	JSP-0400-04
3	Clearing & Grubbing / Tree & Brush Removal	LS	1	JSP-1100-01
4	Demolition & Removal	LS	1	JSP-1100-02
5	Building Demolition	LS	1	JSP-1100-002
6	Seeding, Fertilizing and Mulch	SY	5047	City 5100
7	Silt Fence	LF	971	MoDOT 806
8	Curb / Inlet Protection	EA	9	MoDOT 806
9	Alternate Ditch Check	LF	126	MoDOT 806
10	Unclassified Excavation	CY	2600	City 1200
11	Embankment	CY	1250	JSP-1200-01
12	Imported Fill	CY	100	JSP-1200-01
13	Removal of Unsuitable Material	CY	100	City 1200
14	Backfill of Unsuitable Material	CY	100	City 1200
15	8" MoDOT Type 5 Aggregate Base	SY	6921	JSP-1400-01
16	18" MoDOT Type 5 Aggregate Base	SY	879	JSP-1400-01
17	Asphaltic Concrete Surface (2") (MoDOT BP-1)	TONS	132	City 2200
18	Asphaltic Concrete Base (8") (MoDOT Bituminous Base)	TONS	530	City 2200
19	Asphalt Tack	GAL	188	City 2200
20	Asphalt Primer	GAL	1177	City 2200
21	10" Concrete Pavement (Roadway)	SY	4368	City 3100
22	10" Concrete Pavement (Truck Apron) (Red Tint)	SY	497	JSP-3100-01
23	6" Concrete Splitter Island (Red Tint) (Pinned On)	SY	348	JSP-3100-02
24	6" Concrete Center Island	SY	531	City 3100
25	Standard Curb & Gutter	LF	561	City 3200
26	1' MoDOT Type A Integral Barrier Curb	LF	2386	JSP-3200-01
27	1' Truck Apron Curb	LF	352	JSP-3200-01
28	1' Upright Curb (MoDOT Modified Type F) (Roundabout Center)	LF	251	JSP-3200-01
29	Commercial Driveway Construction (8" Concrete) (Incl. 4" MoDOT Type 5 Agg. Base)	SY	931	City 3400
30	Residential Driveway Construction (6" Concrete) (Incl. 4" MoDOT Type 5 Agg. Base)	SY	77	City 3400
31	6" MoDOT Type 1 Aggregate Surface	SY	237	JSP-3400-01
32	Type C Inlet 5'x3' I.D.	EA	3	City 4400
33	Type C Inlet 5'x4' I.D.	EA	2	City 4400
34	Type C Inlet 5'x5' I.D.	EA	1	City 4400
35	Area Inlet 3'x3' I.D.	EA	1	City 4400
36	Area Inlet 4'x4' I.D.	EA	2	City 4400
37	15" Class III RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	167	City 4200
38	18" Class III RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	79	City 4200
39	24" Class III RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	166	City 4200
40	30" Class III RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	532	City 4200
41	15" RCP FES (including trenching, bedding, backfill, gaskets, and concrete collars)	EA	2	City 4200
42	30" RCP FES (including trenching, bedding, backfill, gaskets, and concrete collars)	EA	1	City 4200
43	Concrete Ditch Liner	SY	38	JSP-4200-01
44	Rock Blanket	SY	12	City 2303
45	Removal & Resetting Existing Signs	LS	1	JSP-2300-03
46	Permanent Signage W2-6	SF	36	JSP-2300-03
47	Permanent Signage W13-1P	SF	9	JSP-2300-03
48	Permanent Signage OM1-3	SF	9	JSP-2300-03
49	Permanent Signage R1-2	SF	64	JSP-2300-03
50	Permanent Signage R6-4A	SF	32	JSP-2300-03
51	Permanent Signage D3-1	SF	15	JSP-2300-03
52	Permanent Signage Post	EA	20	JSP-2300-03
53	Changeable Message Sign (Contractor Furnished)	EA	5	JSP-6700-01
54	Traffic Control Signage W20-1	SF	18	JSP-6700-01
55	Traffic Control Signage W20-3	SF	36	JSP-6700-01
56	Traffic Control Signage R11-2	SF	50	JSP-6700-01
57	Traffic Control Signage R11-4	SF	40	JSP-6700-01
58	Traffic Control Signage G20-2	SF	18	JSP-6700-01
59	Traffic Control Type III Barricade	EA	8	JSP-6700-01
60	Traffic Control Temporary Sign Post	EA	12	JSP-6700-01
61	Pavement Marking Removal	LF	540	City 2306
62	4" SolidYellow Lane Line	LF	4093	City 2306
63	4" Broken Yellow Lane Line	LF	100	City 2306
64	4" Solid White Edge Line	LF	871	City 2306
65	12" Solid White Pavement Marking	LF	90	City 2306
66	12" Yellow Pavement Marking (Includes Splitter island face and top striping)	LF	754	City 2306
67	12" Broken White Pavement Marking	LF	115	City 2306
68	24" Yellow Pavment Marking ((Diagonal Lines)	LF	115	City 2306
69	18"x12" Solid White Yield Marking	EA	25	MoDOT 620
70	Truncated Domes	SF	84	City 3300.3.7
71	27.5' Aluminum Pole, 30' Mounting Height	EA	9	City 9401.0
72	Street Light Foundation	EA	9	City 9100.8
73	Cobra Head Luminaire (240V), 140 Watt Led, Type III	EA	9	City 9400.1
74	Bracked Arm, 8' Length W/ 2'6" Rise, Single Arm	EA	9	City 9401.0
75	Power Pedistal-Pad Mounted, 4-Circuit	EA	1	City 9401.2
76	Pedestal-Pad Foundation	EA	1	City 9401.2
77	Type II Junction Box	EA	6	City 9401.2
78	2" Schedule 40 PVC Conduit (Lighting)	LF	1010	City 9100.6
79	3" Schedule 40 PVC Conduit (Controller to Transformer)	LF	150	City 9100.6
80	3-1c #1/0 RHH/RHW/USE CU (Power)	LF	200	City 9100.7
81	3-1c #4 USE CU w/1-1c#6 Bare CU (Distribution)	LF	1070	City 9100.7
82	1-2c #14 THHN (Pole & Bracket)	LF	378	City 9100.7
83	Fused Connector Kit w/8 Amp Fuse	EA	18	City 9100.7
84	Unfused Connector	EA	9	City 9100.7
85	Multitap Connector	EA	27	City 9100.7
86	Ground Rod (1/2"X10')	EA	10	City 9100.9
87	Breakaway Pole Device	EA	9	City 9401.0
88	2" SDR 13.5 HDPE Conduit w/ Pull String (Fiber Optic)	LF	2480	City 9100.6
89	Type IV Fiber Optic Pull Box	EA	4	City 9100.5
90	1-1c 10 Tracer Wire	LF	620	City 9100.7

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Missouri Certificate of Authority #001592
702 S. Main Street
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TEL 417.781.0643
www.olsson.com

Jonathan Peitz
2024.05.28 15:37:00 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ–CIVIL ENGINEER
MO# PE–2017019023

REV. NO.	DATE	REVISIONS DESCRIPTION	BY
1	5/15/2024	ADDENDUM #1 - SHEET ADDED	SMK
2	5/28/2024	ADDENDUM #3 - FUTURE FIBER OPTIC CONDUIT	SMK

REVISIONS

SUMMARY OF QUANTITIES

ZORA STREET IMPROVEMENTS - PHASE 1
CITY OF JOPLIN

JOPLIN, MISSOURI

2024

drawn by: ZLL/SMK/CTK
checked by: CAD
approved by: JWP
QA/QC by: ENG
project no.: 017-0642-D
drawing no.: C_QTY01_D170642
date: 4/26/2024

SHEET
7 of 88

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C_PBASE_D170642
C_XUTIL_D170642
21.05.16_Lighting Plan
C_RPP01_D170642.dwg
C_PRWAY_D170642
USER: skendall
V_BW-BNDY_CONVERTED_D170642
C_PTBLK_D170642
C_XTOPO_D170642
XREFS:
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DWG:
DATE: May 28, 2024 1:29pm

LEGEND

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- CONCRETE ISLAND/TRUCK APRON
- CONCRETE DRIVEWAY
- AGGREGATE SURFACE
- ROCK BLANKET

NOTE:
ASPHALT WILL NOT GET SURFACE COURSE. THIS COURSE WILL BE COMPLETED WHEN PHASE III IS PAVED.

FES-3
STA. 103+43.99, 23.40' LT.
CONST. 30" FES

CI-6
STA. 103+82.20, 20.59' LT.
CONST. 5' X 4' CURB INLET

CI-1
STA. 107+53.13, 89.54' LT.
CONST. 5' X 5' CURB INLET

CI-3
STA. 108+26.39, 45.34' RT.
CONST. 5' X 3' CURB INLET

PARCEL 1
CROSSLAND HOLDING COMPANY

PARCEL 2
HOLLDAN, INC.

PARCEL 3
JOE HUGHES

PARCEL 4
JOSEPH & COLEEN FOSTER

PARCEL 5
MARZELLE GOETZ

PARCEL 6
WILLIAM P. & PATRICIA EPPRIGHT

BEGIN CONSTRUCTION
ZORA STREET
STA 102+84.27

INSTALL 12.4 SY OF JOPLIN ROCK BLANKET (7'x16'x1') SEE CITY SPEC. 2303.5 FOR DETAILS

INSTALL 38 SY OF CONCRETE DITCH LINER

EXISTING RIGHT-OF-WAY

PROPOSED RIGHT-OF-WAY

PROPOSED TEMPORARY CONSTRUCTION EASEMENT

LIMITS OF DISTURBANCE

STANDARD JOPLIN CURB & GUTTER

AGGREGATE DRIVE

6" MoDOT TYPE A INTEGRAL BARRIER CURB

6" CONCRETE (RED TINT) PINNED ON SPLITTER ISLAND

CONCRETE (RED TINT) TRUCK APRON

MoDOT MODIFIED TYPE F CURB

TRUCK APRON CURB

AREA LIGHT

4-2" HDPE CONDUITS (TYP.) (FUTURE FIBER OPTIC)

BURIED SOUTHERN STAR GAS LINE MARKER POST

BURIED GAS MARKER POST

MATCHLINE SEE SHEET

STA 208+75.00
23

STA 108+40.00
21

PRC: 208+69.81
PC: 208+47.80
PI: 106+52.20
PRC: 106+13.95
PC: 107+50
PI: 207+50
PC: 205+60.70
PRC: 206+20.01
PT: 206+52.20

R900.46'
R1047.19'

+14.23 16.19' LT
+14.23 19.00' LT
+92.18 6.00' LT
+71.65 41.00' LT
+97.80 19.00' RT
+14.23 19.00' RT
+14.23 15.19' RT
+44.58 34.23' RT
+07.32 20.50' RT
+60.70 20.50' LT
+50 20.50' LT
+60.70 20.50' RT
+50 20.50' RT

13.69'
12.69'
12'

E. ZORA STREET
N. DUQUESNE ROAD
℄ ZORA STREET
℄ DUQUESNE ROAD
℄ DRIVE 1
℄ DRIVE 2
℄ DRIVE 7
℄ DRIVE 8

103+00
104+00
105+00
106+00
107+00
108+00
209+00
208+00
207+00
206+00
205+00

FES-1
FES-2
FES-3
CI-1
CI-3
CI-6

0' 10' 20' 40'
SCALE IN FEET

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Jonathan Peitz
2024.05.28 13:49:37 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
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PROFESSIONAL ENGINEER
JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

REV. NO.	DATE	REVISIONS DESCRIPTION	BY
1	5/15/2024	ADDENDUM #1 - CHANGED CURB TO MODOT TYPE A INTEGRAL	SMK
2	5/24/2024	ADDENDUM #3 - FUTURE FIBER OPTIC CONDUIT	SMK

REVISIONS

ROADWAY PLAN & PROFILES
WEST SIDE - ZORA ST

ZORA STREET IMPROVEMENTS - PHASE 1
CITY OF JOPLIN

JOPLIN, MISSOURI

2024

drawn by: ZLI/SMK/CTK
checked by: CAD
approved by: JWP
QA/QC by: ENG
project no.: 017-0642-D
drawing no.: C_RPP01_D170642
date: 4/26/2024

MATCHLINE SEE SHEET

STA 208+75.00
23

CI-2
STA. 108+26.80, 38.27' LT.
CONST. 5' X 3' CURB INLET

PARCEL 7
LAWVER INVESTMENTS, LLC

TYPE IV PULL BOX (TYP.)
(FUTURE FIBER OPTIC)

6" CONCRETE
(RED TINT)
PINNED ON
SPLITTER
ISLAND

PROPOSED TEMPORARY
CONSTRUCTION EASEMENT

PROPOSED
RIGHT-OF-WAY

PROPOSED AT&T
UTILITY EASEMENT

EXISTING RIGHT-OF-WAY

RELOCATE FENCE

6" MoDOT TYPE
A INTEGRAL
BARRIER CURB

END CONSTRUCTION
ZORA STREET
STA 112+16.03

LIMITS OF
DISTURBANCE

PT: 111+92.35

AREA LIGHT

STA 108+40.00
19

+82.85
17.01' LT

+62.44
0.00'

E. ZORA STREET

109+00
110+00
111+00
112+00
113+00

℄ ZORA STREET

℄ DRIVE 3

℄ DRIVE 4

PRC: 111+10.92

+81.52
17.96' RT

34.23' RT

LIMITS OF
DISTURBANCE

MATCHLINE
SEE SHEET

EXISTING RIGHT-OF-WAY

6" MoDOT TYPE
A INTEGRAL
BARRIER CURB

PROPOSED TEMPORARY
CONSTRUCTION EASEMENT

PARCEL 9
SWMO DEVELOPMENT, INC.

PARCEL 10
CNJ DEVELOPERS, INC.

PARCEL 11
SHAWN E. & MARK L. HARRIS

BLDG

ASPHALT

GRAVEL

BURIED SOUTHERN

LEGEND

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- CONCRETE ISLAND/TRUCK APRON
- CONCRETE DRIVEWAY
- AGGREGATE SURFACE
- ROCK BLANKET

N

0' 10' 20' 40'
SCALE IN FEET

olsson
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Missouri Certificate of Authority #001592
702 S. Main Street
Joplin, MO 64801
TEL 417.781.0643
www.olsson.com

Jonathan Peitz
2024.05.28 11:41:00 -05'00'

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

JONATHAN W. PEITZ-CIVIL ENGINEER
MO# PE-2017019023

REV. NO.	DATE	REVISIONS DESCRIPTION	BY
1	5/15/2024	ADDENDUM #1 - CHANGED CURB TO MODOT TYPE A INTEGRAL	SMK
2	5/28/224	ADDENDUM #3 - FUTURE FIBER OPTIC CONDUIT	SMK

REVISIONS

ROADWAY PLAN & PROFILE
EAST SIDE - E ZORA STREET

ZORA STREET IMPROVEMENTS - PHASE 1
CITY OF JOPLIN

JOPLIN, MISSOURI

2024

drawn by: ZLL/SMK/CTK
checked by: CAD
approved by: JWP
QA/QC by: ENG
project no.: 017-0642-D
drawing no.: C_RPP01_D170642
date: 4/26/2024

SHEET
21 of 88

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DATE: May 28, 2024 1:32pm
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USER: skendall
V_BW-BNDY_CONVERTED_D17...
21.05.16_Lighting Plan

GENERAL NOTES

1. All work shall conform to The City of Joplin Standard Specifications as applicable.

2. All traffic control in conjunction with the fiber optic construction shall be in conformance with the Manual on Uniform Traffic Control Devices and the Overland Park Traffic Control Handbook for Street Maintenance and Construction Operations, latest revisions.

3. The Contractor shall stake the locations for all service boxes to be installed. The stations and offsets provided are to the center of the fiber optic equipment. The contractor shall provide elevations. If obstructions are encountered during installation, the contractor will re-stake those locations affected by the obstruction. The inspector shall inspect the staking prior to any excavation/construction.

4. The locations of existing underground utilities, if shown, are an approximate only and have not been independently verified. The Contractor shall be responsible for contacting all utility companies for locations of all underground lines prior to excavation and be fully responsible for any and all damages, which might occur as a result of the Contractor's failure to exactly locate and preserve any and all underground utilities.

6. Rock and shale may be encountered and thus the bid items shall reflect the extra work necessary to accomplish the installation. No additional payments ("extras") will be made for excavation of rock or shale and suitable backfill materials. All conduit trenches within rock/shale shall be backfilled with suitable material and properly compacted in accordance with the specifications.

7. Conduit shall be bored (by approved methods) in those areas outside of the street improvement limits. Multiple conduits cannot be pulled back through the same bore unless otherwise approved.

8. Continuous Conduit (Orange, sized per plan) shall be installed between all service boxes prior to paving within the limits of the street improvements. Conduit splices between appurtenances shall not be allowed unless fusion couplings or other fusion methods are used.

9. The conduit placement shall be coordinated with the paving operation, when applicable. Conduit installation and conduit connections shall be inspected and approved by the City inspector. The contractor shall pay any and all extra costs of installing conduits by alternate construction methods after pavement has been placed or for any damages to pavement that may occur during conduit installation. All trenches for conduit under proposed paved surfaces (drives, streets and sidewalks) shall be backfilled with flowable fill unless otherwise directed, to below the proposed pavement surface.

10. Where applicable, the conduit shall be installed under underdrain pipe crossings and under the underdrain blankets. Refer to the street plans for underdrain pipe and blanket locations and appropriate details, if applicable.

11. All unpaved areas disturbed or damaged during construction shall be restored to the original condition. Unless otherwise directed, grassy areas shall be re-sodded.

12. Contractor shall use a polymer lubricating agent to facilitate conduit bores under paved streets. Failure to do so will result in a denial to retrieve bore head, in the case of loss, under any paved street by excavation methods.

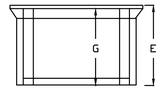
13. A 1c#10 AWG THHN/THWN stranded copper locating cable (red) shall be installed in all conduits.

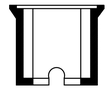
14. The ends of all conduit in service boxes shall be plugged with a high density spray foam.

SUMMARY OF FIBER OPTIC QUANTITIES*

ITEM	UNIT	QUANTITY
2" FIBER OPTIC HDPE CONDUIT WITH PULL STRING	LF	2480
TYPE IV FIBER OPTIC PULL BOX	EA	4
1-1c #10 TRACER WIRE	LF	620

* THESE QUANTITIES WERE PREPARED FOR THE CONTRACTORS CONVENIENCE AND ARE NOT INTENDED FOR USE IN PREPARATION OF CONTRACT DOCUMENTS. QUANTITIES INTENDED FOR, BUT NOT LIMITED TO, THE PREPARATION OF PROPOSALS AND BID DOCUMENTS SHALL BE INDEPENDENTLY EVALUATED BY THE ESTIMATING PARTY BASED ON THE CONTENTS OF THESE PLANS.

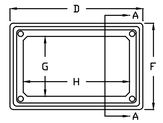




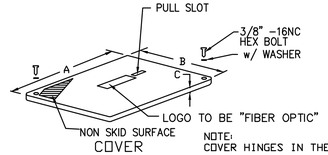
GENERAL NOTE: JUNCTION BOX SHALL MEET ANSI/SCTE77-2002, TIER 8

MATERIAL TO BE USED: PRECAST POLYMER CONCRETE

SECTION A-A



BOX



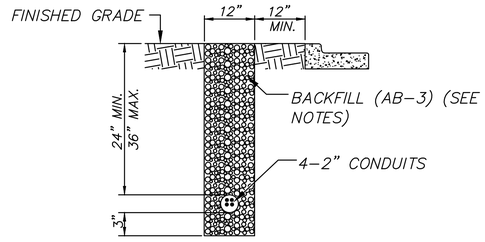
COVER

NOTE: COVER HINGES IN THE CENTER

TYPE	DIMENSIONS (IN.)							
	A	B	C	D	E	F	G	H
IV FIBER*	47 5/8	30	3	48	36	30	28 1/4	45 7/8

*BOXES MAY BE STACKABLE TO ACHIEVE DIMENSIONS SHOWN

PULL BOX



TRENCH W/FOUR CONDUITS

TRENCHING NOTES:
1. ALL TRENCHES FOR CONDUIT UNDER ROADWAYS SHALL BE BACKFILLED WITH FLOWABLE FILL.
2. CONDUITS SHALL BE PITCHED TO DRAIN.

TRENCHING DETAILS

olsson
Olsson - Civil Engineering
Missouri Certificate of Authority #001592
702 S. Main Street
Joplin, MO 64801
TEL 417.781.0643
www.olsson.com

Jonathan Peitz
2024.05.00

STATE OF MISSOURI
JONATHAN W. PEITZ
NUMBER PE-2017019023
PROFESSIONAL ENGINEER

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1	5/28/2024	ADDENDUM #3 - SHEET ADDED	SMK

FIBER OPTIC DETAILS

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