

CITY OF RAYMORE

100 Municipal Circle · Raymore, MO. 64083
Phone · 816-892-3045 · Fax · 816-892-3093



ADDENDUM NO. 1

N Cass Signal and Intersection Improvements
Project #23-389-201

All plan holders are hereby notified and agree by signature below, that the proposal includes consideration of the following changes, amendments, and/or clarifications and costs associated with these changes and are included in the proposal.

Addendum No. 1 - Questions and clarification.

1. Question: Who is responsible for setting up the account with Evergy and to pay the fees? What about Right of Way Permits, who pays the fees?

Response: The City will work with Evergy to set up the account. It will be the contractor's responsibility to work with Evergy to get the meter set and pay the associated fees. The contractor will apply for a no charge ROW permit.

2. Question: Regarding the street light to be removed, who owns it? Where is it to be removed to?

Response: The street light is owned by the City of Raymore. The light should be stored at the City of Raymore Public Works Operations Building.

3. Question: Will field testing be required and who is responsible for it?

Response: Concrete testing will be required. One set of tests will need to be done each day that concrete is placed. This will include 4 cylinders, temperature, slump and air tests. The contractor will also be responsible for completing nuclear density testing, or approved equal, on the subgrade that is installed.

4. Question: Will there be utility conflicts?

Response: Utility conflicts are expected on this project. Please see the utility section of the RFP.

5. Question: Is this project MODot Funded?

Response: No MoDot funding exists for this project.

6. Question: For the turn lane, will concrete and asphalt be permitted?

Response: Asphalt or concrete can be used in place of aggregate base in areas that compaction will be difficult to achieve.

7. Question: I wanted to reiterate about the use of concrete base pavement, given the size and shape of the area I believe this could be a better price and alleviate compaction concerns. Please clarify if non-reinforced concrete is an acceptable equivalent for the 9" Asphalt Base item.

Response: Concrete will be considered as an acceptable alternative in areas where compaction will be difficult to achieve.

8. Question: I noticed in the specs that it states for "7 each" ADA Ramps, but the bid form indicates "7 SF", please clarify.

Response: Ramps will be paid per Each. See revised bid form.

8. Question: Will a traffic control plan be required on this project?

Response: A traffic control plan must be submitted for any partial or full closure and will have to be approved by the Director of Engineering.

9. Clarification: Discrepancies on the wiring for pole 1 and pole 5. Please clarify.

Response: Please see revised plan sheet(s).

10. Clarification: The ADA ramps are listed as SF and they need to be EA.

Response: **REVISED** Bid Proposal Form E is attached.

11. Scope: This Addendum No. 1 consists of page AD1-1, includes reprinted project Plan Sheets 9, 11, and 13 covering the following clarifications/revisions to the project plan sheets:

- a. Clarified design elements related to the signal layout, wiring quantities, and wiring diagram.

12. Project Plan Revisions:

- a. Plan sheet 9
 - i. Moved CCTV camera from signal pole 2 mast arm to preferred location on signal pole 2.
- b. Plan Sheet 11
 - i. Added remarks for jumper cable quantities.
 - ii. Revised 7C #16 cable quantities, total revised from 1884 feet to 1896 feet, noted jumper cables.
 - iii. Revised detector cable quantities from 1244 feet to 1274 feet.
 - iv. Revised ground wire cable quantity from 701 feet to 1215 feet. Added note that all conduit and pull boxes shall have 1C #6 Ground Wire.
- c. Plan Sheet 13
 - i. Revised labels and leaders on cable conduits in NW corner of intersection from Pull Box 1 to poles 1, 5, and 6.
 - ii. Revised video (detection) cables for detector locations as depicted in the plans.

Any other questions regarding this proposal shall be submitted to Kim Quade, CPPB by email at kquade@raymore.com or by phone at (816) 892-3045.

I hereby certify that the above have been considered and associated costs have been included in this bid.

Company Name: _____

By: _____

Title: _____

Address: _____

City, State, Zip: _____

Date: _____ Phone: _____

Signature of Bidder: _____

ADDENDUM MUST BE SUBMITTED WITH BID

****REVISED** BID PROPOSAL FORM E – Project No. 23-389-201
N. Cass Signal & Intersection Improvements**

BASE BID:

Description	Unit	Estimated Quantity	Unit Price	Total
Mobilization	L.S.	1		\$
Construction Staking	L.S.	1		\$
Site Preparation	L.S.	1		\$
Removal Of Concrete Curb	L.F.	347		\$
Removal Of Concrete Pavement	S.Y.	252		\$
Removal Of Asphalt Pavement	S.Y.	79		\$
Removal Of Signs	EA	2		\$
Removal Of Cmp Pipe	L.F.	337		\$
Removal Of Pavement Marking	L.F.	1,685		\$
Relocation Of Signs	EA	1		\$
Traffic Signal System - Complete	L.S.	1		\$
Adjusting Basin Or Inlet	EA	1		\$
Type 2 Curb Inlet (5'x3')	EA	1		\$
Storm Sewer (15") (Rcp)	L.F.	337		\$
2" Asphalt Surface (Type 3)	S.Y.	448		\$
9" Asphalt Base (Type 1)	S.Y.	448		\$
8.5" Non-Reinforced Concrete Pavement (15' Joints)	S.Y.	427		\$
8" Aggregate Base (Type 5)	S.Y.	1,031		\$
Special Gutter (4.5 Ft Wide)	L.F.	10		\$
Curb & Gutter (Type Cg-1)	L.F.	692		\$
Concrete Sidewalk (4")	S.Y.	56		\$
Concrete Sidewalk Ramps (Incl Dwp)	EA	7		\$
Permanent Seeding	L.S.	1		\$
Permanent Signing	L.S.	1		\$
Pavement Marking 4 In. Yellow	L.F.	1,430		\$
Pavement Marking 4 In. White	L.F.	560		\$
Pavement Marking 4 In. White Dotted	L.F.	135		\$
Pavement Marking 6 In. White	L.F.	700		\$
Pavement Marking 24 In. White	L.F.	160		\$

Pavement Marking Lt/Rt Arrow	EA	6		\$
Temporary Erosion Control	L.S.	1		\$
Work Zone Traffic Control	L.S.	1		\$
Pre-Construction Photos	L.S.	1		\$
TOTAL BASE BID				\$

Company Name _____

Total Base Bid for Project Number: 23-389-201

\$ _____

In the blank above insert numbers for the sum of the bid.

(\$ _____)

In the blank above write out the sum of the bid.

****REVISED** BID PROPOSAL FORM E – RFP 23-389-201
CONTINUED**

Company Name _____

By _____
Authorized Person's Signature

Print or type name and title of signer

Company Address _____

Phone _____

Fax _____

Email _____

Date _____

ADDENDA

Bidder acknowledges receipt of the following addendum:

Addendum No. _____

Addendum No. _____

Addendum No. _____

Addendum No. _____

Addendum No. _____

Addendum No. _____

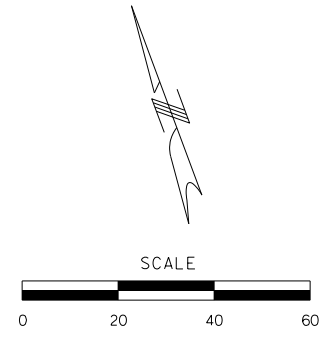
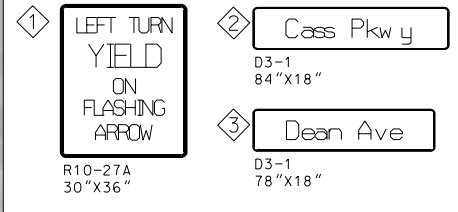
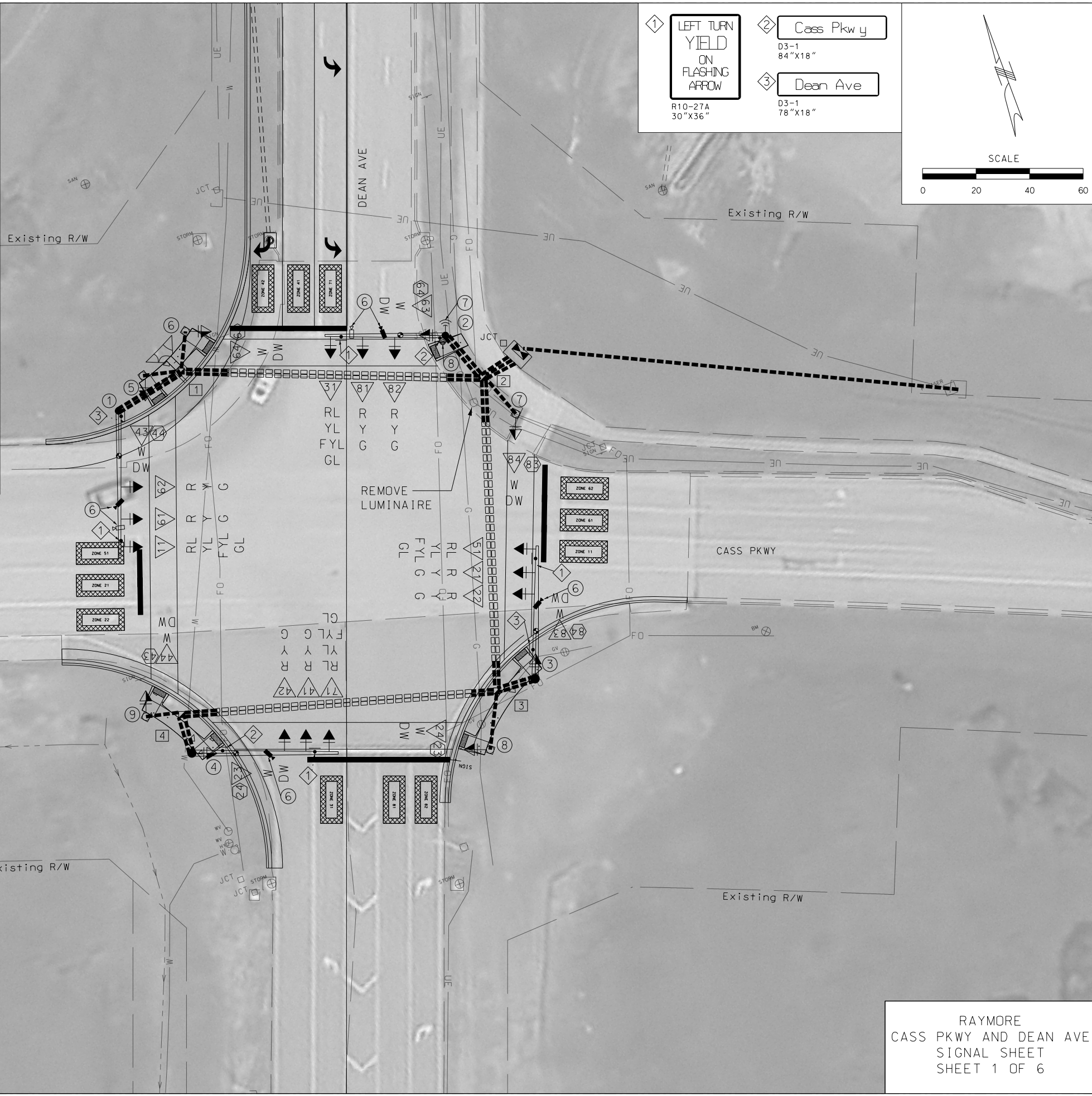
LATE BIDS CANNOT BE ACCEPTED!

NOTES:

- 1.) STOP SIGNS TO BE REMOVED AFTER TRAFFIC SIGNAL IS FULLY FUNCTIONAL.
- 2.) NEW SIGNAL SHOULD BE FULLY CONSTRUCTED BEFORE REMOVALS TAKE PLACE.
- 3.) ALL TRAFFIC SIGNAL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE MISSOURI STANDARDS SPECIFICATION FOR HIGHWAY CONSTRUCTION, SECTION 902 "TRAFFIC SIGNALS", UNLESS OTHERWISE NOTED.
- 4.) THE CONTRACTOR SHALL STAKE LOCATIONS WHERE POLES, BOXES, AND THE CONTROLLER ARE TO BE INSTALLED. STAKED LOCATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO PLACEMENT OF EQUIPMENT. SERVICE BOXES AND CONDUIT RUNS ARE APPROXIMATE AND MAY BE FILLED ADJUSTED TO CLEAR OBSTRUCTIONS AND FACILITATE WIRING, AS APPROVED BY THE ENGINEER.
- 5.) CONDUITS UNDER ANY EXISTING PAVEMENT, INCLUDING SIDEWALKS AND DRIVEWAYS, SHALL BE BORED WITHOUT DISTURBANCE TO THE EXISTING PAVEMENT.
- 6.) INSTALL DETECTION SYSTEM PER MoDOT STD AND SPECIFICATION 902.14. VIDEO DETECTION SYSTEMS TO BE INSTALLED FOR STOP BAR AND ADVANCED DETECTION PER MoDOT STD AND SPECIFICATIONS 902.14.4. STOP BAR AND ADVANCED DETECTORS MAY BE SEPARATE UNITS OR COMBINED UNITS. THE CONTRACTOR MAY USE MICROWAVE AND ULTRASONIC DETECTORS PER MoDOT STD AND SPECIFICATIONS 902.14.3 AS A MORE VIABLE OPTION WITH APPROVAL FROM THE CITY AND ENGINEER.
- 6a) EXACT DETECTION LOCATIONS ARE TO BE AT THE DIRECTION OF THE MANUFACTURER'S REPRESENTATIVE. DETECTION CABLE TERMINATIONS, FINE-TUNING, SYSTEM SET-UP, AND PROGRAMMING WILL BE PERFORMED BY THE SUPPLIER WITH THE ASSISTANCE OF THE CONTRACTOR.
- 7.) CONTACT RAY M. WEBB AT 816-701-8358 AND CHRIS JENKINS AT 816-896-4218 WITH OGL THREE WEEKS PRIOR TO DESIRED INSTALLATION DATE AND ONE MONTH PRIOR TO DESIRED INSPECTION DATE. WORK WITH OGL TO INSTALL RADIO EQUIPMENT TO MEET THEIR OPERATION'S NEEDS. AIM RADIO CONNECTION TO THE RAYMORE WATER TOWER APPROXIMATELY LOCATED AT 1340 WEST JOHNS BLVD. RAYMORE, MO. RADIO AND RADIO INSTALLATION MUST MEET MoDOT SPECIFICATION 1092.4.5.4.
- 8.) CCTV EQUIPMENT TO BE INSTALLED ACCORDING TO OGL CCTV DETAIL SHEETS.
- 9.) CONTRACTOR TO COORDINATE ELECTRICAL SERVICE WITH EVERGY.
- 10.) CENTER TRAFFIC SIGNAL HEADS OVER THEIR RESPECTIVE LANES. IF TWO SIGNAL HEADS ARE OVER A SINGLE LANE, THEN SET THEM 8 FEET APART CENTERED OVER THE RECEIVING LANE. ALL lenses shall be 12" L.E.D.
- 11.) TRAFFIC SIGNAL CONTROLLER TO BE AN ECONOLITE COBALT CONTROLLER, OR APPROVED EQUIVALENT.
12. TRAFFIC SIGNAL SYSTEM SHALL INCLUDE A MANUAL POWER TRANSFER SWITCH AND PORTABLE GENERATOR OUTLET, COMPATIBLE WITH CITY OF RAYMORE PORTABLE GENERATOR.

R RED BALL
 Y YELLOW BALL
 G GREEN BALL
 RL RED LEFT ARROW
 YL YELLOW LEFT ARROW
 GL GREEN LEFT ARROW
 YR+ YELLOW RIGHT ARROW
 GR+ GREEN RIGHT ARROW
 W WALK
 DW DON'T WALK
 FYL FLASHING YELLOW ARROW

TRAFFIC SIGNALS LEGEND			
	CONTROLLER		ITS RADIO
	CONTROLLER (EXISTING)		ADVANCED DETECTION
	JUNCTION BOX		STOP BAR DETECTOR
	POWER SUPPLY		PUSH BUTTON DETECTOR
	WOOD POST		PREFORMED PULL BOX TYPE 2
	SIGNAL HEAD (OPT LIM CONV)		PREFORMED PULL BOX TYPE 3
	SIGNAL HEAD (OPT LIM)		CONCRETE PULL BOX TYPE 1
	SIGNAL HEAD (PEDESTRIAN)		CONCRETE PULL BOX TYPE 2
	SIGNAL HEAD (STANDARD)		CCTV CAMERA
	LED-A LUMINAIRE		ITS PULL BOX TYPE 2
			ITS PULL BOX TYPE 5
			EXISTING PULL BOX
	6 X 6 LOOP DETECTOR		6 X 15 LOOP DETECTOR
	30 X 6 LOOP DETECTOR		CONDUIT MEDIAN
	CONDUIT PUSHED		CONDUIT BRIDGE
	CONDUIT EXISTING		CONDUIT TRENCHED
	SPAN WIRE		MAST ARM - TYPE A BASE
	MAST ARM - TYPE C BASE		MAST ARM - TYPE F BASE



"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."	
PROJECT NO.	21-100-284-00
DESCRIPTION	
DATE	

100 Municipal Circle
 Raymore, MO 64083
 Phone (816)-331-1852
 Fax (816)-331-8067



WILSON & COMPANY
 800 E 101st Terr., Ste. 200
 Kansas City, MO 64131
 Phone (816) 701-3100 ; Fax (816) 942-3013
 Missouri Cert. of Authority #2003007599

SIGNAL SHEET

RAYMORE
 CASS PKWY AND DEAN AVE
 SIGNAL SHEET
 SHEET 1 OF 6

Sheet 9 of 22

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

PROJECT NO.
21-100-284-00

CONDUIT (WITH #14 TRACER WIRE)

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE		REMARKS	FROM	TO	CENTER TO CENTER DISTANCE	POWER	CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		RADIO		REMARKS			
				1"	2"	3"	4"	2"	3"	4"	2"	3"	4"	2"	3"						2c #16	5c #16	7c #16	3c #16		3 PAIR #16	CONTROL	POLE & BRACKET	VIDEO	2c #14 LEAD-IN CABLE	12c #12				
																												2c #12	1c #10						
CAB	2	16		16	32											2-3" Conduits	CAB	1	157															12' JUMPER	
2	2	22		25	25												CAB	2	38		61	62	220		99		88	40	210		89		12' JUMPER		
2	7	20		21													CAB	3	154		183	184	462				210	40	227				12' JUMPER		
2	1	115		32	32			83	83								CAB	4	272		307	308	716				334	40	349				12' JUMPER		
2	3	118		28	28			90	90								CAB	5	146		175	176													
1	6	10		11	11												CAB	6	139		168	169													
1	5	17		18	18												CAB	7	36		59	60													
5	1	11		17	17												CAB	8	152		181	182													
3	3	20		23	23												CAB	9	260		295	296													
3	8	18		19																															
3	4	120		22	22			96	96																										
4	4	20		23	23																														
4	9	8		9																															
SUBTOTALS				215	280			269	269								SUBTOTALS					1429	1437	1896		99	845	160	1274		89		1215'	OF 1c #6	
TOTALS				215	280			269	269								TOTALS					1429	1437	1896		99	845	160	1274		89		1215'	OF 1c #6	

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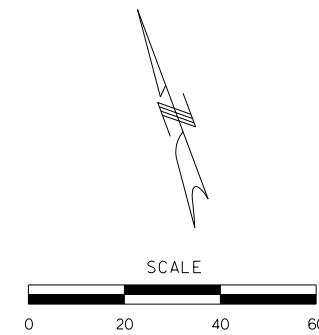
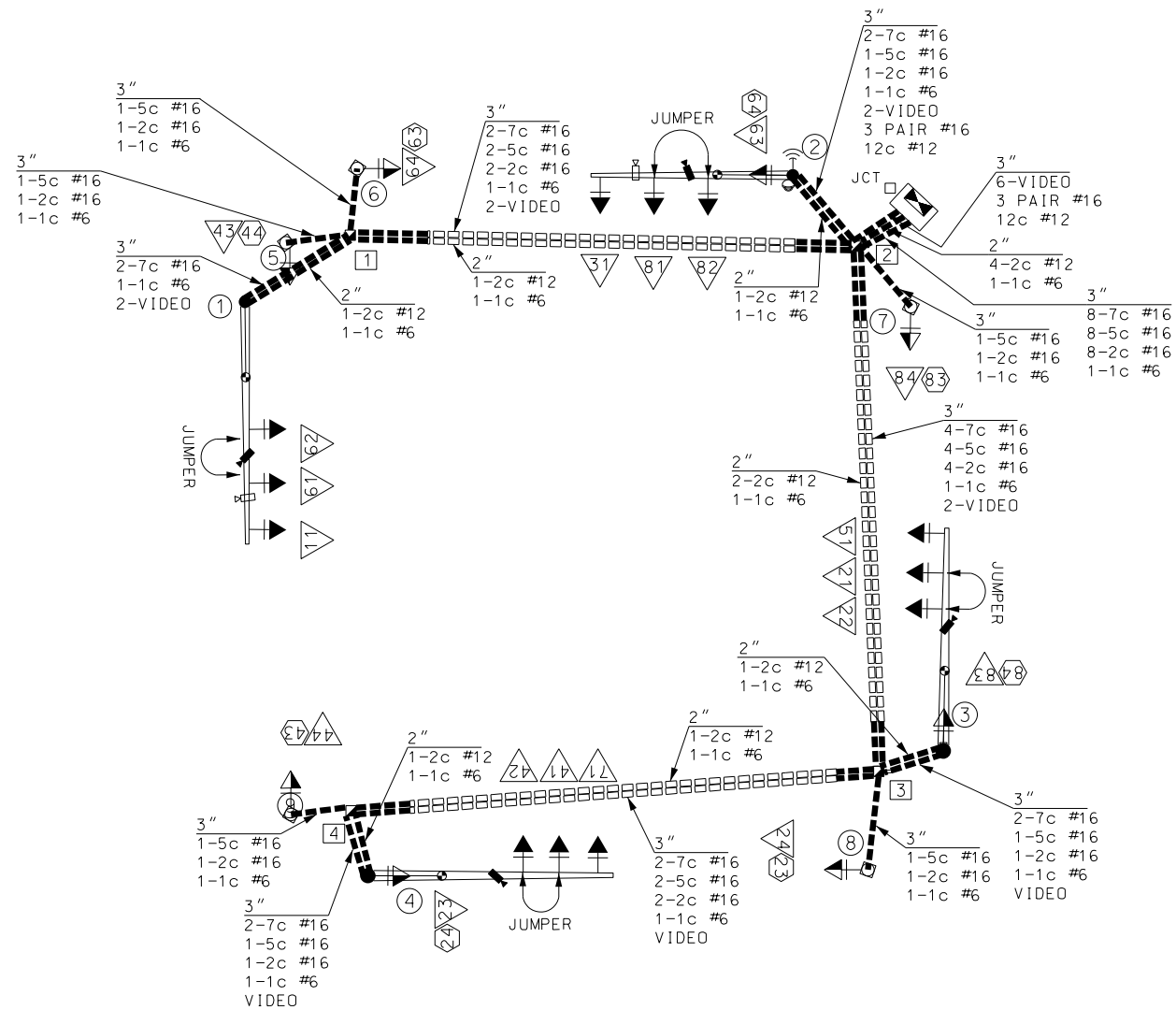
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SIGNAL SHEET

ALL CONDUIT AND PULL BOXES SHALL HAVE 1c #6 GROUND WIRE

INTERSECTION DEAN AVE AND N CASS PKWY

WIRING DIAGRAM



LEGEND

- □ □ □ CONDUIT (PUSHED)
- ■ ■ ■ CONDUIT (TRENCHED)
- ▣ ⊠ PULL BOX WITH NUMBER
- ⊙ POST WITH NUMBER
- ⊠ ⊘ DETECTOR WITH NUMBER
- ➔ ⊠⊠ SIGNAL HEAD WITH NUMBER
- ▣ ⊠ SIGNAL CONTROLLER

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WIRING DIAGRAM

RAYMORE
CASS PKWY AND DEAN AVE
WIRING DIAGRAM
SHEET 5 OF 6