

MAINTAIN EXISTING STOP SIGN

SIGNAL PLAN INTERSTATE-5, MP 2C174.72

Intersection: conduits can
widely support new wires,
will need to be creative

loop cables can be removed.

SIGNAL POLE # 2
9+70 24'LT

TC LED F/B 2 F/B 8 HPB LA 15 MA 20 MPL 1

SIGNAL POLE # 1
9+70 23'RT

LED F/B TC MA 20 MPL 1

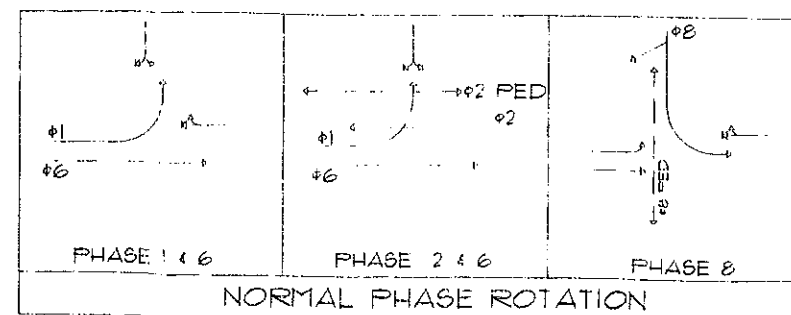
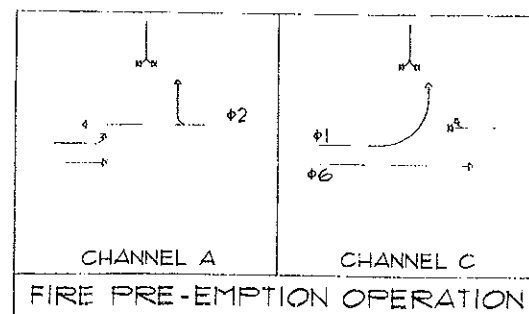
SIGNAL POLE # 4
10+36 23'RT

MPL 1 MA 20 LA 15 HPB PE 1 TC

COLOR CODE FOR SPARE WIRES

VEHICLE PHASE AT POLE	SPARE WIRES BASE COLORS	TRACER COLOR
2	RED YELLOW GREEN	GREY
6	PINK ORANGE GREY	YELLOW
8	RED YELLOW GREEN	PURPLE
1	PINK ORANGE GREY	PURPLE

TRACER MAY BE PRINTED OR
SPIRAL WRAPPED AT ALL
EXPOSED LOCATIONS



OREGON DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING SECTION
TRAFFIC SIGNAL INSTALLATION
I-5 ACCESS AT ROW RIVER RD. (COTTAGE GROVE)
INTERSTATE-5 NORTHBOUND ACCESS RAMP
LAKE COUNTY

DATE: APRIL, 1995

TF DWG NO.

COTTAGE GROVE, OREGON

TRAFFIC SIGNAL EQUIPMENT PLAN

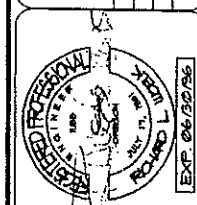
SHEET

2 of 5

JOB NUMBER

NO.	DATE	DESCRIPTION	BY
1	7/95	PER ODOT 545	RLW
2	10/95	PER ODOT 521/95	RLW

SCALE	HORIZ. 1"=10'	VERT.
DRAWN BY	JE TOLL	DATE: APRIL, 1995
CHECKED BY	JE TOLL	
DATE	DATE	



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4040 DOUGLAS WAY
LAKE OSWEGO, OR 97035
(503) 895-5040

SIGNAL LEGEND

C

332

INSTALL MODEL 110 CONTROLLER IN MODEL 332 CABINET WITH RISER FRAME, ORIENT FRONT (LOUVERED) DOOR AS SHOWN

C

CONTROLLER (SEE SIGNAL PLAN)

SCL

I

INSTALL 8' X 16' X 20' SERVICE CABINET 120 VOLT FOR BOTH SIGNAL AND ILLUMINATION CIRCUITS (SEE T.E.S. DWG. TS-126)

TC

INSTALL TERMINAL CABINET WITH SECTIONAL TERMINAL BLOCKS AS CONNECTORS (SEE T.E.S. DWG. TS-126)

MP

T

INSTALL TYPE (T) STANDARD TRAFFIC SIGNAL MAST ARM POLE

MPL

T

INSTALL COMBINATION LUMINAIRE AND MAST ARM POLE TYPE (T) (40' MOUNTING HEIGHT)

MA

L

INSTALL (L) FT. TRAFFIC SIGNAL MAST ARM

V

PH

INSTALL PHASE (PH) VEHICLE SIGNAL HEAD

LA

L

INSTALL 'L' FT. LUMINAIRE ARM

HPS

INSTALL 250 WATT, 120V HIGH PRESSURE SODIUM LUMINAIRE, TYPE M-N-III WITH 120, 200, 240, 277 MULTI-VOLT MAG-REGULATOR BALLAST

PE

I

INSTALL PHOTOELECTRIC CELL ON POLE 20'-30' ABOVE POLE BASE

L6

Ph

INSTALL PHASE (PH) 6 FT. DIAMETER CIRCULAR VEHICLE DETECTOR LOOP

N

LW

INSTALL (N) PAIR NO. 14 XHHW TWISTED WIRE, 4 TO 6 TURNS PER FOOT FROM LOOP TO JUNCTION BOX. NO SPLICES TO BE MADE OUTSIDE THE JUNCTION BOX

LF

X-PH

INSTALL (X) PHASE (PH) LOOP FEEDER CABLES

F-N

CH

INSTALL CHANNEL (CH) (N)-WAY FIRE PRE-EMPTION DETECTOR UNIT

FF

CH

INSTALL CHANNEL (CH) FIRE PRE-EMPTION DETECTOR FEEDER CABLE

JB

I

INSTALL 17 1/4' X 10 1/2' X 12' PRECAST CONCRETE JUNCTION BOX

JB

1A

INSTALL 17'x10'x12' (MIN. DIMENSION) PRECAST CONCRETE JUNCTION BOX WITH CONCRETE APRON

JB

2

INSTALL 22 1/4' X 12 1/4' X 13' PRECAST CONCRETE JUNCTION BOX

JB

2A

INSTALL 22 1/4'x12 1/4'x13' PRECAST CONCRETE JUNCTION BOX WITH CONCRETE APRON

JB

3A

INSTALL 30'x17'x12' PRECAST CONCRETE JUNCTION BOX WITH CONCRETE APRON

JB

SP

JUNCTION BOX (SEE SIGNAL PLAN)

AL

5L

INSTALL ALUMINUM LEFT ARROW 'ONLY' SIGN

AL

5R

INSTALL ALUMINUM RIGHT ARROW 'ONLY' SIGN

S

INSTALL (S) INCH ELECTRICAL CONDUIT

DC

DETECTOR CONDUIT (SEE DETECTOR PLAN)

EC

ELECTRICAL CONDUIT (SEE EQUIPMENT PLAN)

CS

INSTALL 2 INCH CONDUIT (FOR FUTURE USE-CAF ENDS)

IC

INSTALL INTERCONNECT CONDUIT (SEE INTERCONNECT PLAN)

V

PH/PH

INSTALL PHASE (PH)/PHASE (PH) VEHICLE SIGNAL HEAD

LED

INSTALL 'LED' SIGNAL HEAD

AL

II

INSTALL ALUMINUM 'LEFT TURN YIELD ON GREEN' SIGN

SB

S

INSTALL 4' X 4' X 4' GALV. CAST IRON STREET BOX WITH (S) INCH CONDUIT TO JUNCTION BOX

CW

INSTALL 'CROSSWALK CLOSED' SIGN ON 4' X 4' WOODEN POST

N

INSTALL (N) NO. 14 TYPE THIN WIRES

N-C

INSTALL (N) NO. 8 TYPE THIN (SIGNAL SYSTEM COMMON)

N-G

INSTALL (N) NO. (G) TW, THW, THHN, THWN WIRES

CH = CHANNEL SHOWN

X = NUMBER CABLES SHOWN

H = HEIGHT SHOWN

S = SIZE SHOWN

T = TYPE SHOWN

N = NUMBER SHOWN

PH = PHASE SHOWN

G = GAUGE SHOWN

2 = 12' RED, 12' YELLOW, 12' GREEN

3 = 12' RED LEFT TURN ARROW, 12' YELLOW LEFT TURN ARROW, 12' GREEN LEFT TURN ARROW

4 = 12' RED, 12' YELLOW LEFT TURN ARROW, 12' YELLOW 12' GREEN LEFT TURN ARROW, 12' GREEN

GENERAL NOTES

1. ALL CONSTRUCTION SIGNING REQUIRED FOR THE PROJECT SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL CONFORM WITH 'TRAFFIC CONTROLS IN CONSTRUCTION AND MAINTENANCE WORK ZONES' PUBLISHED BY THE FHWA, AND WITH THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES', PART VI.
2. THE UTILITIES SHOWN ON THE EXISTING UTILITY PLANS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATION AND VERIFYING ALL UTILITY INFORMATION.
3. THE CONTRACTOR SHALL KEEP ALL STREETS OPEN AND IN ACCEPTABLE CONDITION TO MAINTAIN TRAFFIC WHILE CONSTRUCTION IS IN PROGRESS. THE CONTRACTOR IS REQUIRED TO SCHEDULE HIS WORK SO THAT NO MORE THAN ONE THROUGH LANE IN EACH DIRECTION IS DENIED TO TRAFFIC AT ANY TIME.
4. THE CONTRACTOR SHALL CONFINE ANY LANE CLOSURE TO THE PERIOD BETWEEN 8:30 AM. AND 3:30 PM.
5. ALL SIGNAL FACES SHALL BE 12 INCHES. ALL VEHICLE SIGNAL HEAD DESIGNATIONS SHALL CONFORM TO THE ODOT STANDARD DRAWING TS123
6. PEDESTRIAN SIGNAL SHALL BE PED HAND LED TYPE MOUNTED WITH CLAM SHELL MOUNTINGS
7. ALL RED SIGNALS SHALL BE LED
8. ANCHOR BOLT SPACING VARIES SLIGHTLY BETWEEN MANUFACTURERS. CONTRACTOR SHALL VERIFY BEFORE INSTALLING FOUNDATIONS.
9. ALL EXPOSED CONCRETE SURFACES SHALL BE FORMED TROWELLED AND FINISHED TO PRESENT A NEAT APPEARANCE
10. POLE FOOTINGS TO MEET OR EXCEED ODOT SPECIFICATIONS (SEE ODOT STANDARD DRAWING 40397).
11. CONDUIT, PULL BOXES AND LOOP DETECTOR LOCATIONS ARE APPROXIMATE. ACTUAL LOCATIONS SHALL BE DETERMINED IN THE FIELD WITH APPROVAL OF THE ENGINEER.
12. ALL SIGNALS SHALL HAVE LOUVERED BACKBOARDS.
13. POLES SHALL BE FIELD DRILLED FOR MOUNTING PEDESTRIAN SIGNAL HEADS AND PUSHBUTTONS.
14. DIMENSIONS ARE TO CENTERLINE OF RESPECTIVE EQUIPMENT
15. SIGNAL HEADS ARE TO BE MOUNTED AS DIMENSIONED AND SHALL BE COVERED UNTIL THE SIGNAL IS PUT INTO OPERATION.
16. ALL CONCRETE CURB AND ASPHALTIC CONCRETE WORK TO BE AS PER STANDARD SPECIFICATIONS.
17. ALL STRIPING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE CITY OF COTTAGE GROVE AND ODOT TRAFFIC ENGINEERING DESIGN SPECIFICATIONS.
18. WHEEL CHAIR RAMP AS PER STANDARD SPECIFICATIONS
19. POLES, ARMS, BOLTS, SCREWS, NUTS, WASHERS AND PLATES FOR ALL SIGNAL AND LUMINAIRE POLES SHALL BE GALVANIZED AFTER FABRICATION UNLESS NOTED OTHERWISE.
20. ALL JUNCTION BOXES SHALL HAVE GALVANIZED CAST IRON COVERS WITH 'TRAFFIC SIGNAL' EMBOSSED ON THE LID AND SHALL BE GROUNDED

OREGON DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING SECTION
TRAFFIC SIGNAL INSTALLATION
I-5 ACCESS AT ROW RIVER RD. (COTTAGE GROVE)
INTERSTATE-5 ACCESS RAMP
LANE COUNTY

DATE: APRIL 1995
ACCOMPANIED BY DWGS. TS-120
TS-123 THRU TS-128, 47228,
47230, 47231, 22000, 22001, 22002
2126C, 5-15

TE. Dwg. No. _____

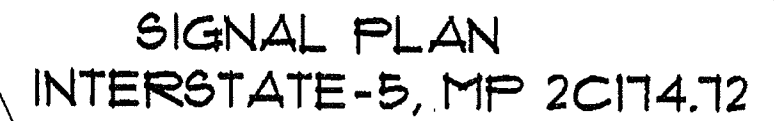
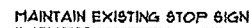
SCALE
HORIZ: ----
VERT: ----
DGN. JE. TOLL
DWN. JE. TOLL
CDD. BL. UOELK
DATE: APRIL 1995

EXP. 06/30/96

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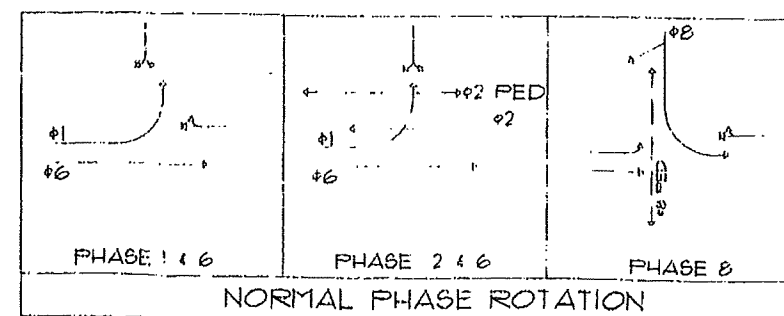
COTTAGE GROVE, OREGON
TRAFFIC SIGNAL
GENERAL NOTES & LEGEND

SHEET
1 OF 4
JOB NUMBER



VEHICLE PHASE AT POLE	SPARE WIRES	
	BASE COLORS	TRACER COLOR
2	RED YELLOW GREEN	GREY
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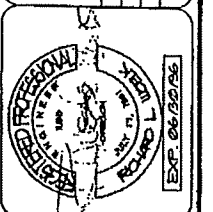


OREGON DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING SECTION
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1-5 ACCESS AT ROW RIVER RD. (COTTAGE GROVE)
INTERSTATE-5 NORTHBOUND ACCESS RAMP
LANE COUNTY

DATE: APRIL 1995

IF PAGE NO. —

SCALE	
HORIZ: 1"=10'	
VERT: ----	
DEN. J.E. TOLL	
DEN. J.E. TOLL	
CO. R.L. WELK	
DATE: APRIL, 1933	



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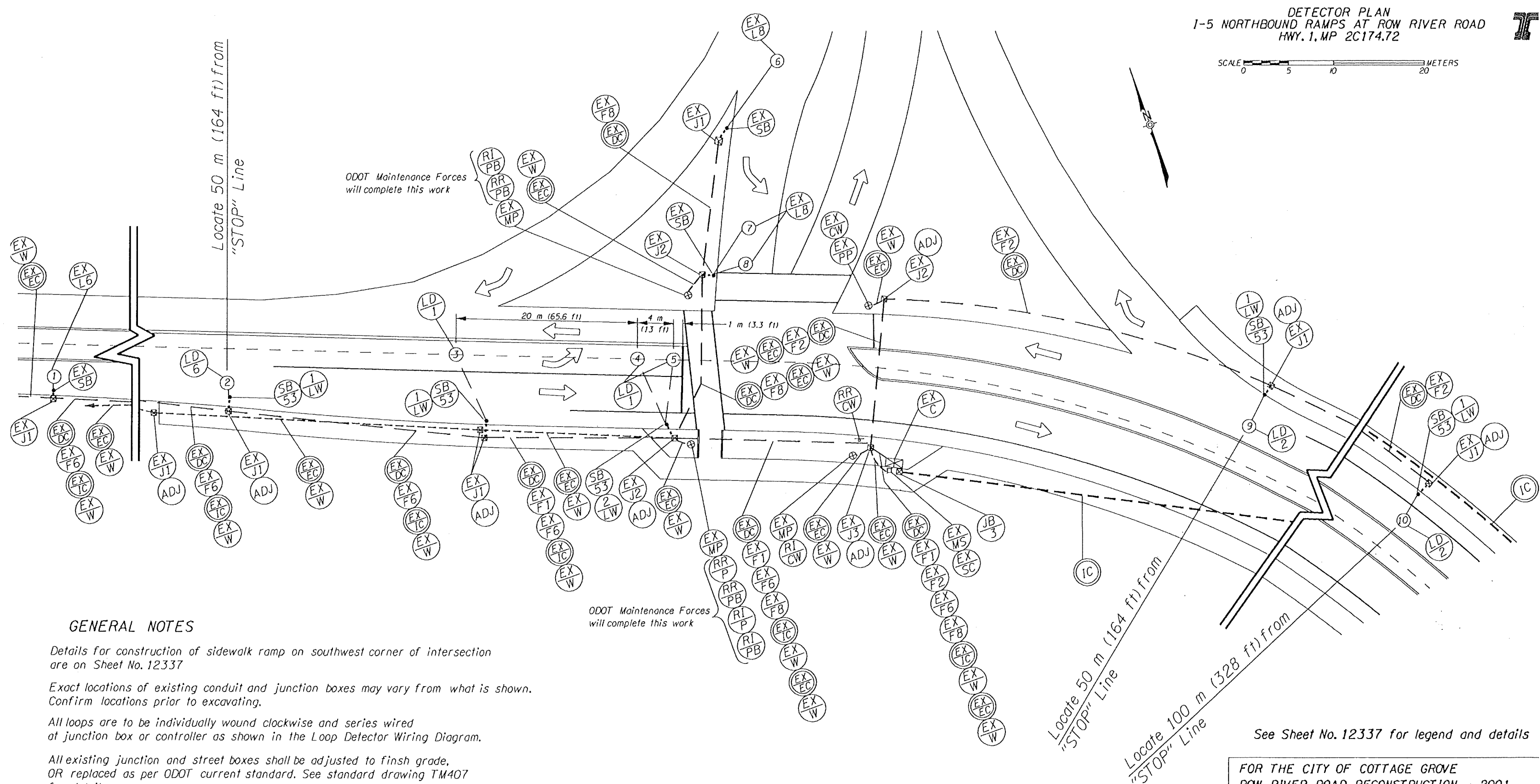
COTTAGE GROVE, OREGON

TRAFFIC SIGNAL
EQUIPMENT PLAN

SHEET

2 of 5

JOB NUMBER



Contact: *Craig Black* phone: 503-986-2766
ODOT Region 2 Traffic
455 Airport Road SE, Bldg. B fax: 503-986-2840
Salem, OR 97301-5395

See Sheet No. 12337 for legend and details

FOR THE CITY OF COTTAGE GROVE
ROW RIVER ROAD RECONSTRUCTION - 2001

T OREGON DEPARTMENT OF TRANSPORTATION
TRAFFIC MANAGEMENT SECTION

LOOP DETECTOR REPLACEMENT PLAN
ROW RIVER ROAD RECONSTRUCTION 2001
PACIFIC HIGHWAY
LANE COUNTY

DATE FEBRUARY 2001

DESIGNED BY: K. CRAMER

CHECKED BY: C. BLACK

DRAWN BY: K. CRAMER

ACCOMPANIED BY DWGS. TMS 12337.
TM402, TM407, TM408, RD725

T.W.S. DWG. NO. 12336

