

**MUNICIPALITY OF ANCHORAGE
PROJECT MANAGEMENT AND ENGINEERING
DIVISION**

**EKLUTNA RIVER BRIDGE REPLACEMENT
AT OLD GLENN HIGHWAY
THUNDERBIRD DRIVE TO EKLUTNA LAKE ROAD
PM&E NO. 12-40**

**95% DESIGN
DECEMBER 2014**

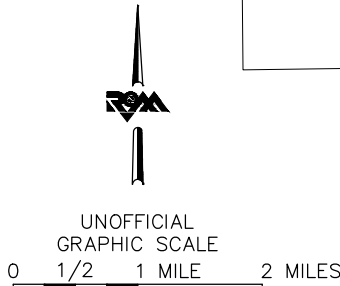
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VERIFY SCALES
BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY.

ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT OF 1990
ADOT&PF	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
AWWU	ANCHORAGE WATER AND WASTEWATER UTILITY
BOP	BEGINNING OF PROJECT
BM	BENCH MARK
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
C&G	CURB & GUTTER
CC	CURB CUT
CCP	CONCRETE CYLINDER PIPE
CH	CHORD, HORIZONTAL CURVE
CL	CENTERLINE
CONST	CONSTRUCT
DTL	DETAIL
DW	DETECTABLE WARNING
D/W CC	DRIVEWAY CURB CUT
E	EASTING
EG	EXISTING GROUND
EL	ELEVATION, EASEMENT LINE
EOP	END OF PROJECT
EP	EDGE OF PAVEMENT
EST	ESTIMATED
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EX	EXISTING
F&I	FURNISH & INSTALL
FG	FINISHED GRADE
F	FLOW LINE
GV	GATE VALVE
I&W	IN ACCORDANCE WITH
INV	INVERT
LC	LIP OF CURB
LOC	LOCATION
LT	LEFT
MASS	MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATION, STREETS-DRAINAGE-UTILITIES-PARK, 2009 AS CURRENTLY AMENDED
MAX	MAXIMUM
ME	MATCH EXISTING
MIN	MINIMUM
MMA	METHYLMETHACRYLATE
MON	MONUMENT
N	NORTHING
NTS	NOT TO SCALE
NWT	NO WATER TABLE
OHW	ORDINARY HIGH WATER
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PED	PEDESTRIAN
PG	PROFILE GRADE
PI	POINT OF INTERSECTION
P	PROPERTY LINE
POR	POINT OF ROTATION
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PUE	PUBLIC USE EASEMENT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT
R	RADIUS
RP	RADIUS POINT
R&M	R&M CONSULTANTS, INC.
R&R	REMOVE AND REPLACE / RELOCATE / RESET
R/W or ROW	RIGHT-OF-WAY
RT	RIGHT
SE	SUPER ELEVATION
SI	STREET INTERSECTION
SP	SPECIAL PROVISION
STA	STATION
STD DTL	MASS STANDARD DETAIL
ST	STREET
S/W	SIDEWALK
TBC	TOP BACK OF CURB
TCP	TEMPORARY CONSTRUCTION PERMIT
VC	VERTICAL CURVE
(30')	DIMENSION FROM RECORD DRAWINGS

GENERAL NOTES

- OVERVIEW**
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2009 MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (MASS) REVISION 3, AS CURRENTLY AMENDED BY THE SPECIAL PROVISIONS.
 - ALL CONSTRUCTION OPERATIONS REQUIRED FOR THIS PROJECT SHALL REMAIN WITHIN EXISTING MOA RIGHTS-OF-WAY AND EASEMENTS, UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEER AND THE AFFECTED PROPERTY OWNER.
 - CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION. THE PERMITS SHALL BE MAINTAINED AT THE JOB SITE.
 - CONTRACTOR SHALL MAINTAIN "REDLINE" RECORD DRAWINGS ON A CLEAN SET OF CONSTRUCTION DRAWINGS IN ACCORDANCE WITH MASS DIVISION 65.00 CONSTRUCTION SPECIFICATIONS FOR CONSTRUCTION SURVEY. CONTRACTOR SHALL MAINTAIN "REDLINES" CURRENT ON A DAILY BASIS AND SHALL MAKE AVAILABLE TO THE ENGINEER FOR INSPECTION ON THE JOBSITE. CONTRACTOR SHALL RECORD SURVEY NOTES AND SUBMIT DAILY TO THE ENGINEER.
 - CONTRACTOR SHALL RECORD SURVEY NOTES FOR SUBMITTAL WITH AS-BUILT PLANS, INCLUDING HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD. CONTRACTOR SHALL RECORD ALL DEVIATIONS FROM THE PLANS.
 - WHEN PAVING ADJACENT TO CURB LINE, THE CONTRACTOR SHALL ENSURE THAT THE AC SURFACE BE 1/8"-1/4" HIGHER THAN THE LIP OF THE GUTTER PAN. PAVEMENT SHALL BE FLUSH WITH THE LIP OF THE GUTTER PAN AT CURB RAMP LOCATIONS.
 - ALL STOP AND STREET NAME SIGNS ARE TO REMAIN OPERATIONAL THROUGHOUT THE DURATION OF THIS PROJECT. THIS WORK SHALL BE INCIDENTAL TO 70.12 TRAFFIC MAINTENANCE.
- EXISTING UTILITIES**
- LOCATIONS DEPICTED FOR THE UTILITIES AND OTHER EXISTING FEATURES ARE APPROXIMATE. SOME UTILITIES HAVE BEEN LOCATED FROM AS-BUILT DRAWINGS AND SOME FROM UTILITY COMPANY LOCATES, AND THEREFORE MAY NOT BE VISIBLE. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL UTILITIES AND PERFORMING ANY NECESSARY VERIFICATION PRIOR TO CONSTRUCTION. SEE AWWU RECORD DRAWINGS 15081 AND 18980 FOR LOCATIONS OF WATER LINES.
 - OVERHEAD AND UNDERGROUND ELECTRICAL AND TELECOMMUNICATION LINES AND POLES OCCUR WITHIN THE PROJECT AREA; CONTRACTOR SHALL COORDINATE WORK ACCORDINGLY. ALL WORK IN CLOSE PROXIMITY TO EXISTING LINES AND POLES SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL STATUTES, CODES AND GUIDELINES, AND THE ELECTRICAL FACILITY CLEARANCE REQUIREMENTS OF THE GOVERNING UTILITY. HAND DIGGING IS REQUIRED WITHIN TWO FEET OF BURIED ELECTRICAL CABLE.
- DEMOLITION**
- CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT (ROADS, PARKING AREAS, DRIVEWAYS, ETC.) TO A LINE TWO (2) FEET BEYOND THE PROPOSED IMPROVEMENTS, AND MORE IF NECESSARY, DURING THE INITIAL EXCAVATION OPERATIONS. IF EXISTING PAVEMENT HAS BEEN LIFTED, IF EDGE DOES NOT OCCUR IN UNDISTURBED MATERIAL, OR IF EDGE IS LOCATED WITHIN A TRAVEL LANE, FURTHER REMOVAL MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, TO PROVIDE A PROPER TRANSITION BETWEEN NEW AND EXISTING PAVEMENT. SAW CUTTING OF EXISTING PAVEMENT IS INCIDENTAL TO THE BID ITEM 20.09 REMOVE PAVEMENT AND NO SEPARATE PAYMENT SHALL BE MADE.
 - CONTRACTOR SHALL APPLY TACK COAT TO THE SAW CUT ASPHALT FACE PRIOR TO PAVING.
 - CLEAR AND GRUB TO WITHIN RIGHT-OF-WAY OR 10 FEET BEYOND SLOPE LIMITS, WHICHEVER IS LESS.
- EXCAVATION**
- THE LIMITS OF EXCAVATION SHOWN ON THE PLANS IS APPROXIMATE. THE ACTUAL DEPTH SHALL BE VERIFIED BY THE ENGINEER.
 - CONTRACTOR SHALL REMOVE ORGANIC MATERIAL FROM THE SUBGRADE TO A DEPTH TO BE DETERMINED BY THE ENGINEER. CONTRACTOR SHALL PLACE NO OR SHALL NOT OTHERWISE UTILIZE ORGANIC MATERIAL OR OTHER DELETERIOUS MATERIAL FOR BACKFILL, UNLESS SO DIRECTED BY THE ENGINEER.
 - CONTRACTOR MAY NOT PUMP OR OTHERWISE DIVERT WATER RESULTING FROM CONTRACTOR'S DEWATERING EFFORT INTO WATERWAYS UNLESS REQUIRED PERMITS, INCLUDING, BUT NOT LIMITED TO THE ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION (ADEC), ARE OBTAINED BY CONTRACTOR. UNDER NO CIRCUMSTANCES IS THE CONTRACTOR ALLOWED TO DIVERT WATER FROM THE EXCAVATION ONTO THE ROADWAYS. CONTRACTOR SHALL PROVIDE DISPOSAL SITE FOR EXCESS WATER AND IS RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS AND APPROVALS. CONTRACTOR SHALL PROVIDE COPIES OF PERMITS AND APPROVALS TO THE MOA ROW PERMIT OFFICE.
 - SEE R&M PREPARED "GEOTECHNICAL REPORT", DATED NOVEMBER 2014, FOR COMPLETE BOREHOLE LOG INFORMATION..
- GUARDRAIL**
- FOR GUARDRAIL INSTALLATION DETAILS, SEE DOT&PF STANDARD DRAWINGS G-00.02, G-04.10W, G-10.01, G-20.11, & G-31.00.
 - END SECTIONS TO BE PARALLEL GUARDRAIL TERMINALS.
- CLEANUP**
- WORK AND MATERIALS REQUIRED FOR REMOVING LITTER OR DEBRIS THAT EXISTS WITHIN THE PROJECT LIMITS IS INCIDENTAL TO THE BID ITEM "CLEARING AND GRUBBING" (OR INCIDENTAL TO THE PROJECT), AND NO SEPARATE PAYMENT SHALL BE MADE.
 - CONTRACTOR SHALL RESTORE DISTURBED PROPERTY TO PRECONSTRUCTION CONDITION(S), UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR RESTORING DISTURBED PROPERTY IS INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE, UNLESS SPECIFIC BID ITEMS ARE PROVIDED.
 - SEED ALL DISTURBED AREAS AS DIRECTED BY ENGINEER.

DRAWING INDEX

NO.	SHEET TITLE
GENERAL	
1	COVER
2	ABBREVIATIONS, NOTES, AND INDEX
3	LEGEND AND KEY MAP
SURVEY CONTROL	
4	SURVEY CONTROL
RIGHT-OF-WAY MAPS	
5	OVERVIEW
6	BOP TO STA 16+50
7	STA 16+50 TO EOP
DEMOLITION PLAN	
8	BOP TO STA 18+00
9	STA 18+00 TO EOP
TYPICAL SECTIONS	
10	TYPICAL SECTION 1
11	TYPICAL SECTION 2 & ROADWAY-BRIDGE SECTION TRANSITION DETAIL
12	TYPICAL SECTION 3
ROADWAY IMPROVEMENTS	
13	BOP TO STA 13+50
14	STA 13+50 TO 18+00
15	STA 18+00 TO STA 22+50
16	STA 22+50 TO EOP
GRADING PLANS	
17	THUNDERBIRD FALLS TRAILHEAD PARKING LOT GRADING PLAN
18	BRIDGE ABUTMENTS GRADING PLAN
DETAILS	
19	PATHWAY & CURB TRANSITION DETAILS
SIGNING & STRIPING PLAN & DETAILS	
20	BOP TO STA 18+00
21	STA 18+00 TO EOP
22	SIGNING & STRIPING DETAILS
23	SIGNING & STRIPING DETAILS
BRIDGE PLANS	
24	GENERAL LAYOUT
25	SITE PLAN
26	ABUTMENT 1
27	ABUTMENT 3
28	WINGWALLS ABUTMENT 1
29	WINGWALLS ABUTMENT 3
30	PIER 2
31	PIER 2 DETAILS
32	FRAMING PLAN AND TYPICAL SECTION
33	GIRDERS
34	GIRDER DETAILS
35	APPROACH SLABS
36	SIDEWALK DETAILS
37	PEDESTRIAN RAILING
38	TRANSITION RAIL
LANDSCAPE PLANS	
L1	OVERALL LANDSCAPE PLAN
L2	LANDSCAPE PLAN - BOP TO STA 13+50
L3	LANDSCAPE PLAN - STA 13+50 TO STA 18+00
L4	LANDSCAPE PLAN - STA 18+00 TO STA 22+50
L5	LANDSCAPE PLAN - STA 22+50 TO EOP
L6	LANDSCAPE DETAILS
L7	LANDSCAPE DETAILS

**95% DESIGN
DECEMBER 2014**

FIELD BOOKS	BM NO.	LOCATION	ELEV.	DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY	REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
DESIGN				BASE			TELEPHONE										
				TOPOGRAPHY			ELECTRIC										
STAKING				PROFILE			CABLE TV										
				SANITARY SEWER			DESIGN										
ASBUILT				STORM SEWER			QUANTITIES										
CONTRACTOR		BASIS OF THIS DATUM		WATER			MUN. FINAL CHK.										
INSPECTOR				GAS													
CONSTRUCTION RECORD		VERTICAL DATUM					PLAN CHECK										



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SEAL



**PROJECT MANAGEMENT AND
ENGINEERING DIVISION**

12-40
EKLUINA RIVER BRIDGE REPLACEMENT AT OLD GLENN HWY
THUNDERBIRD DRIVE TO EKLUINA LAKE ROAD

ABBREVIATIONS, NOTES, AND INDEX

SCALE	DATE 12/23/14	GRID NW1965	SHEET 2 of 45
	ACCT. NO.		

