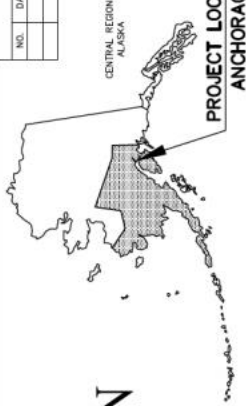


# STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT  
**SEWARD HIGHWAY:**

**92ND AVENUE GRADE SEPARATION  
DRAINAGE, PAVING, SIGNING, UTILITIES, PHASING,  
COST ESTIMATION, ROW**

NO.	DATE	REVISIONS DESCRIPTION

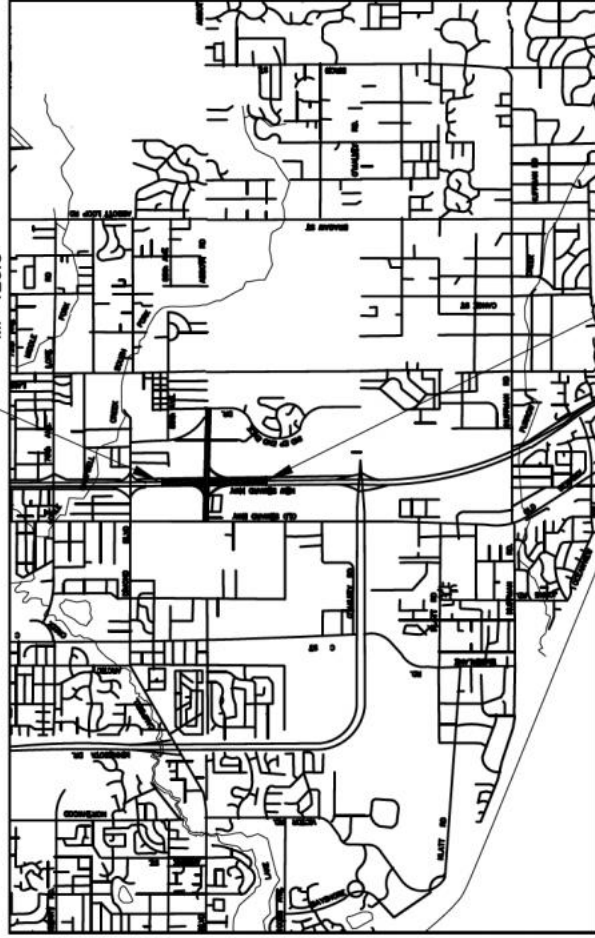


YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
2013	ALASKA	UAA CE-438	A1	A1

DESIGN DESIGNATIONS				
ROADWAY	SOUTHBOUND SEWARD HIGHWAY	92ND AVENUE		
A.A.D.T. (2014)	27,400	11,700		
A.A.D.T. (2035)	60,000	13,000		
V(MPH)	70	35		
D.	100/0	60/40		
T.	4.8%	6.6%		
EAL (2024)	1,490,000	960,000		

PROJECT SUMMARY		
ROADWAY	WIDTH (FT)	LENGTH (MI.)
SEWARD HIGHWAY	120	1.2
RAMPS	VARIES	.4
92ND AVENUE	VARIES	.5
BRAYTON DRIVE	32	.4

INDEX	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	LEGEND SHEET
B1-B10	TYPICAL SECTIONS
C1	ESTIMATION OF QUANTITIES
F1-F6	PLAN & PROFILE
J1-J11	CONSTRUCTION PHASING
K1-K9	SIGNING SUMMARY
NT-N3	BRIDGE DETAILS
UD1-UD2	STORM DRAIN



**THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:**

D-01.02, D-06.10, D-22.01, D-23.01,  
G-00.01, G-00.02, G-04.06S, G-10.01, G-12.00, G-30.00, G-46.11  
G-20.02, G-20.14  
S-00.01, S-20.10, S-20.10, S-23.00, S-30.03, S-31.01, S-41.02  
T-21.03, T-23.00

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES



APPROVED:

REGIONAL PRE-CONSTRUCTION ENGINEER DATE

CONCUR:

DIRECTOR, DESIGN AND CONSTRUCTION DATE  
CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITIONS

CONSTRUCTION PROJECT MANAGER DATE

NO.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	UAA CE-438	2013	A2	A2

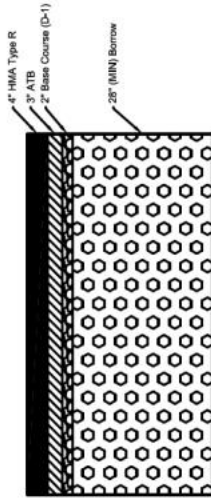
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GOVT SECTION CORNER		SANITARY SEWER		ROADWAY OBLITERATION		PLANTER
	GOVT 1/4 SECTION CORNER		OIL		LIMIT OF CUT SLOPE		VENT
	GOVT 1/16 SECTION CORNER		GAS		LIMIT OF FILL SLOPE		TANK VENT
	GOVT SURVEY MONUMENT		WATER		PROPOSED ROADWAY		WELL
	GOVT CONTROL STA.		STORM DRAIN		EXISTING ROADWAY		SEPTIC
	PRIMARY MON. [BRASS/AL CAP]		NOISE BARRIER		FENCE		TANKS
	SECONDARY CORNER		STONE FENCE		HEAD & WING WALLS		Above Ground
	PRIMARY CENTERLINE MONUMENT		GUARD RAIL EXISTING		PROPOSED		Below Ground
	SECONDARY CENTERLINE MONUMENT		RETAINING WALL		INTERMITTENT DRAINAGE		SATELLITE DISH
	SECONDARY SURVEY CONT. POINT		TUNNEL		INTERCEPTOR DITCH		PRIVATE SIGN
	GPS CONTROL POINT		MARSHLAND		MARSHLAND		GAS PUMP
	BENCH MARK		CREEK		RIVER		POST
	TEMPORARY BENCH MARK		RIVER		LAKE		BOULDER OR BOULDERS
	ROCK MONUMENT		RESERVOIR		CHANNEL CHANGE		LANDSCAPE LIGHT
	INTERNATIONAL BOUNDARY LINE		FOUNDATION		PLANTER		DECIDUOUS TREE
	TOWNSHIP & RANGE LINE		BUILDING		VENT		CONIFER TREE
	SECTION LINE		MANHOLE		TANK VENT		SHRUB OR SHRUBS
	1/4 SECTION LINE		FIRE HYDRANT		WELL		
	CORPORATE or CITY LIMITS		METER		TANKS		
	EXISTING RIGHT-OF-WAY		VALVE		Above Ground		
	RIGHT-OF-WAY REQUIRED		PIPE CULVERT w/ END SECT.		Below Ground		
	PROJECT RIGHT-OF-WAY LINE		UTILITY POLE		SATELLITE DISH		
	EXISTING PROPERTY LINE		ELECTROLER		PRIVATE SIGN		
	CONTROLLED ACCESS LINE		UTILITY POLE WITH LUMINAIRE		GAS PUMP		
	PERMIT LINE		POLE ANCHOR w/ GUY		POST		
	EXISTING EASEMENT LINE		TRANSMISSION TOWER [WOOD]		BOULDER OR BOULDERS		
	STATION EQUATION		TRANSMISSION TOWER [STEEL]		LANDSCAPE LIGHT		
	PROJECT CENTERLINE		ELECTRICAL OUTLET		DECIDUOUS TREE		
	EXISTING CENTERLINE		ELECTRICAL PEDESTAL		CONIFER TREE		
	RAILROAD CENTERLINE		TELEPHONE PEDESTAL		SHRUB OR SHRUBS		
	HIGHWAY MILEPOST		CABLE T.V. PEDESTAL				
	RAILROAD MILEPOST						

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

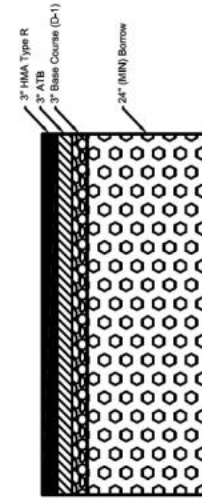
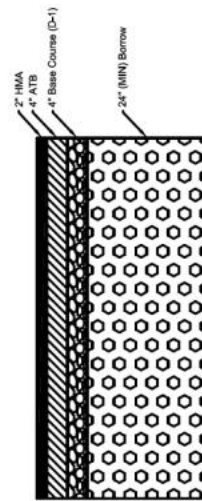
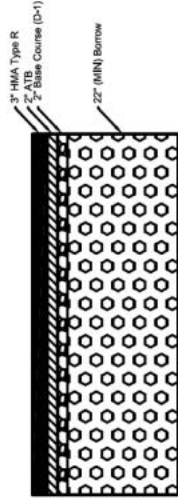
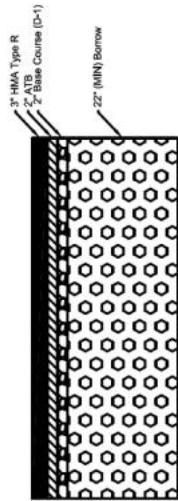
92ND AVENUE GRADE SEPARATION  
PROJECT

LEGEND

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	B1	B10
DESCRIPTION						



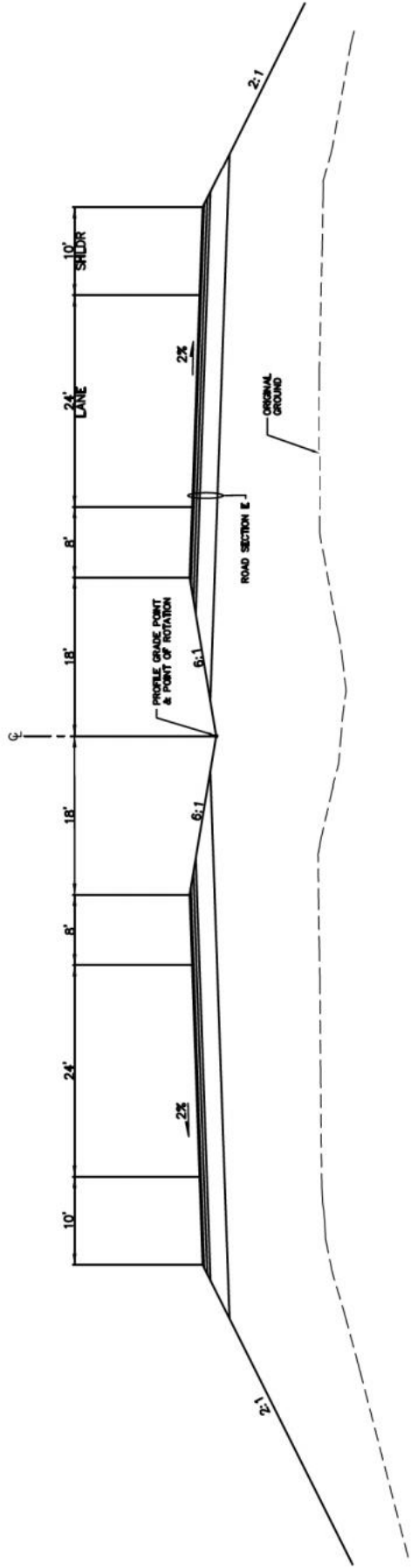
PARTIALLY SECTION A  
SIL. 1400 TO SIL. 1500



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
92ND AVENUE GRADE SEPARATION  
PROJECT  
PAVEMENT SECTIONS

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	B2	B10

NO.	DATE	DESCRIPTION

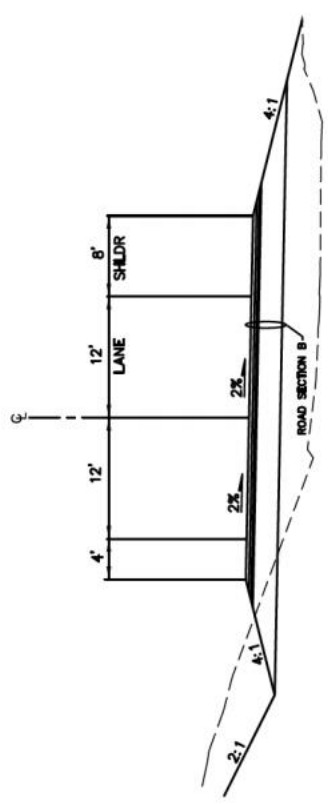


**TYPICAL SECTION - NEW SEWARD**  
 STA. 10+00 TO STA. 42+40

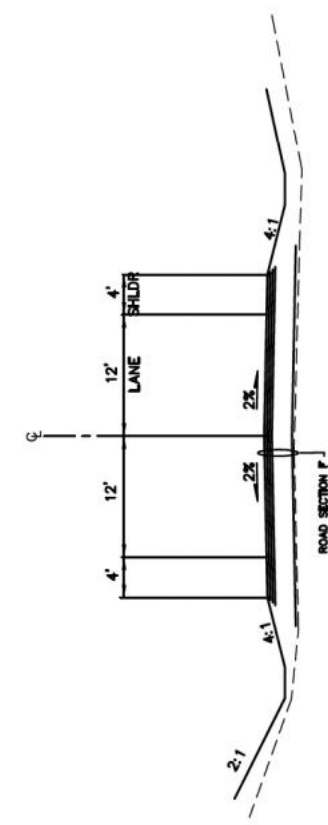


STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 92ND AVENUE GRADE SEPARATION  
 PROJECT  
 TYPICAL SECTIONS

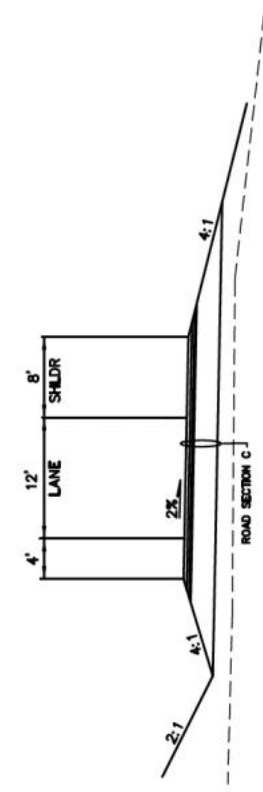
REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	B3	B10



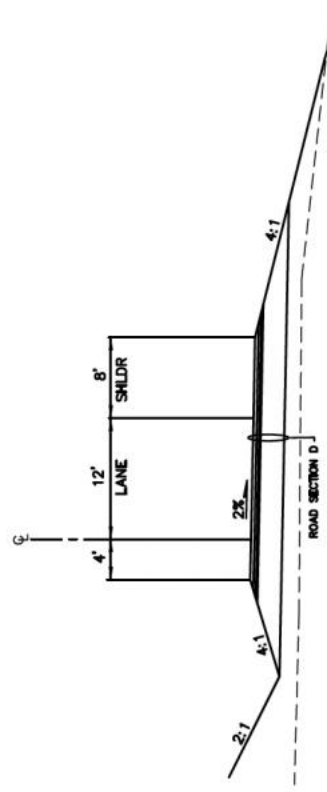
**TYPICAL SECTION - NEW SEWARD S.B. OFF RAMP**  
STA. 4+00 TO STA. 15+00



**TYPICAL SECTION - Bryton Dr.**  
STA. 00+00 TO STA. 22+50



**TYPICAL SECTION - NEW SEWARD S.B. ON RAMP**  
STA. 1+00 TO STA. 14+00

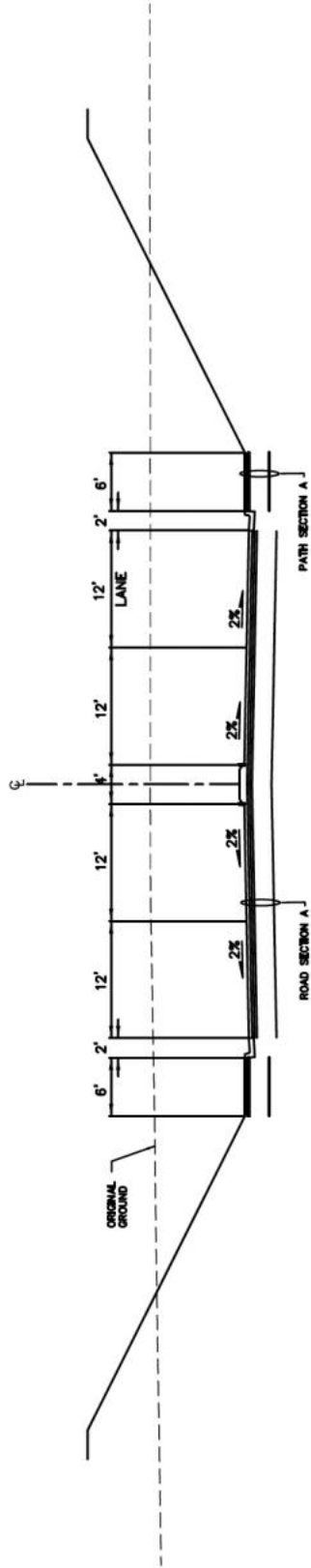


**TYPICAL SECTION - NEW SEWARD N.B. OFF RAMP**  
STA. TO STA.



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
92ND AVENUE GRADE SEPARATION  
PROJECT  
TYPICAL SECTIONS

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	B4	B10



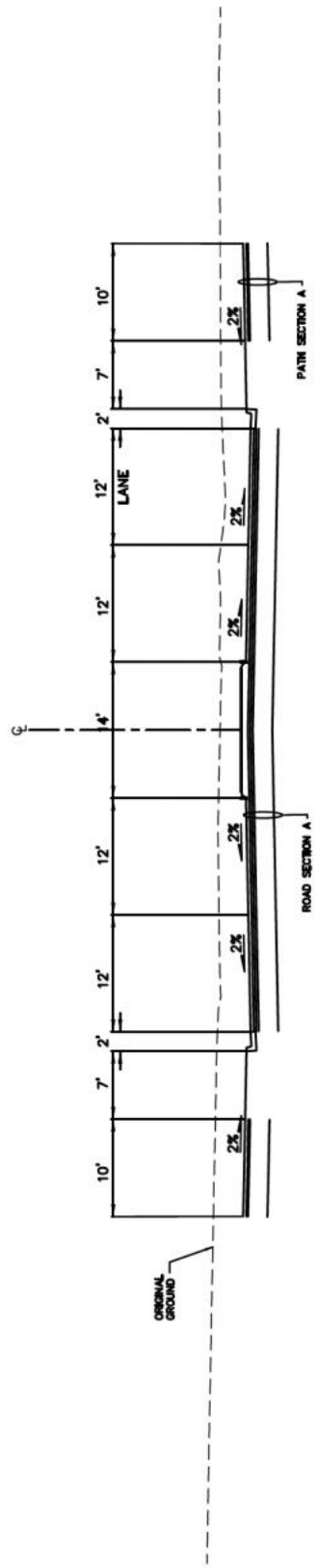
**TYPICAL SECTION - 92ND AVENUE**  
 STA. 13+50 TO STA. 17+50



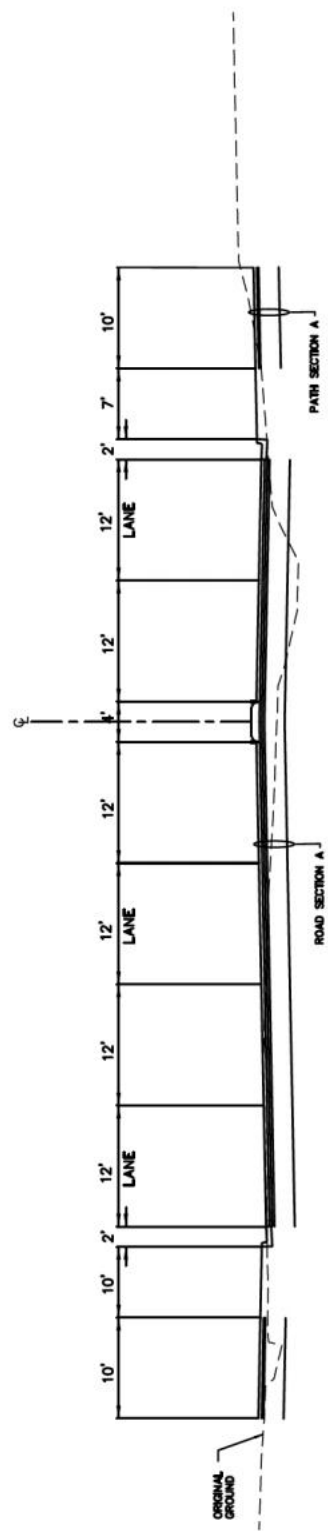
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 92ND AVENUE GRADE SEPARATION  
 PROJECT  
 TYPICAL SECTIONS

NO.	DATE	REVISIONS DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	UAA CE-438	2013	B5	B10



**TYPICAL SECTION - 92ND AVENUE**  
STA. 18+50 TO STA. 27+00



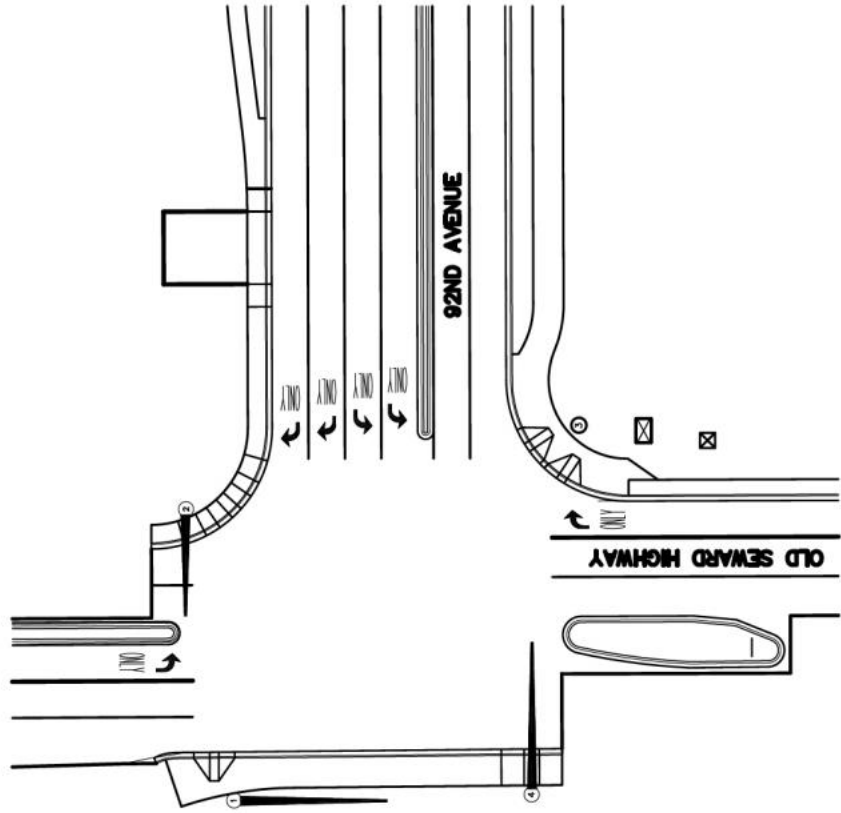
**TYPICAL SECTION - 92ND AVENUE**  
STA. 3+50 TO STA. 12+00



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
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92ND AVENUE GRADE SEPARATION  
PROJECT  
TYPICAL SECTIONS

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	B6	B10

NO.	DATE	DESCRIPTION



**INTERSECTION DETAIL**  
 OLD SEWARD AT 92ND AVENUE

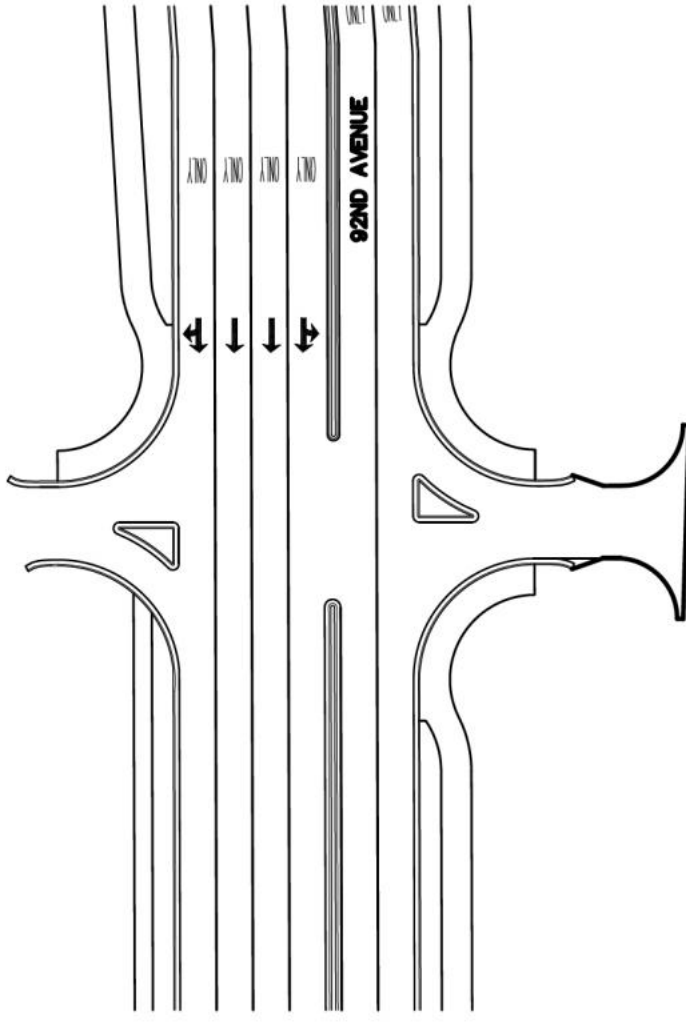


STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 92ND AVENUE GRADE SEPARATION  
 PROJECT  
 INTERSECTION DETAIL



NO.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	UAA CE-438	2013	B7	B10

REVISIONS	
NO.	DESCRIPTION



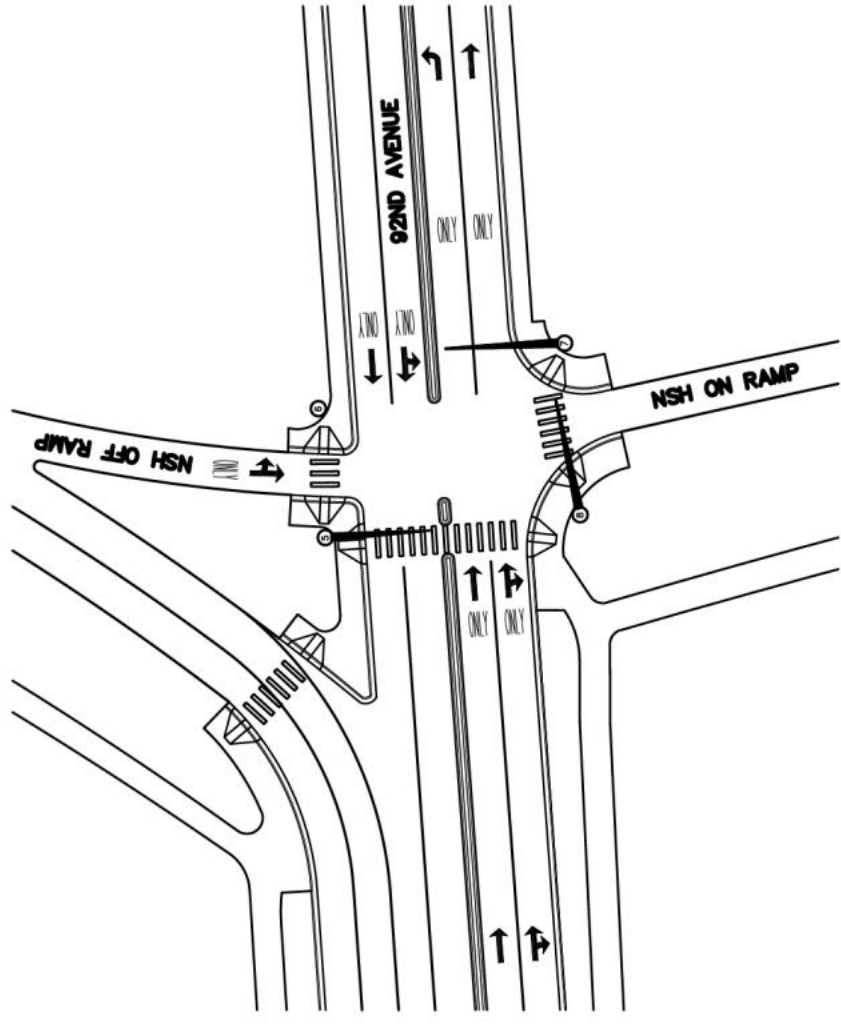
**INTERSECTION DETAIL**  
RESIDENTIAL ACCESS



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
**92ND AVENUE GRADE SEPARATION  
PROJECT**  
INTERSECTION DETAIL

NO.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	UAA CE-438	2013	BB	B10

NO.	DATE	DESCRIPTION



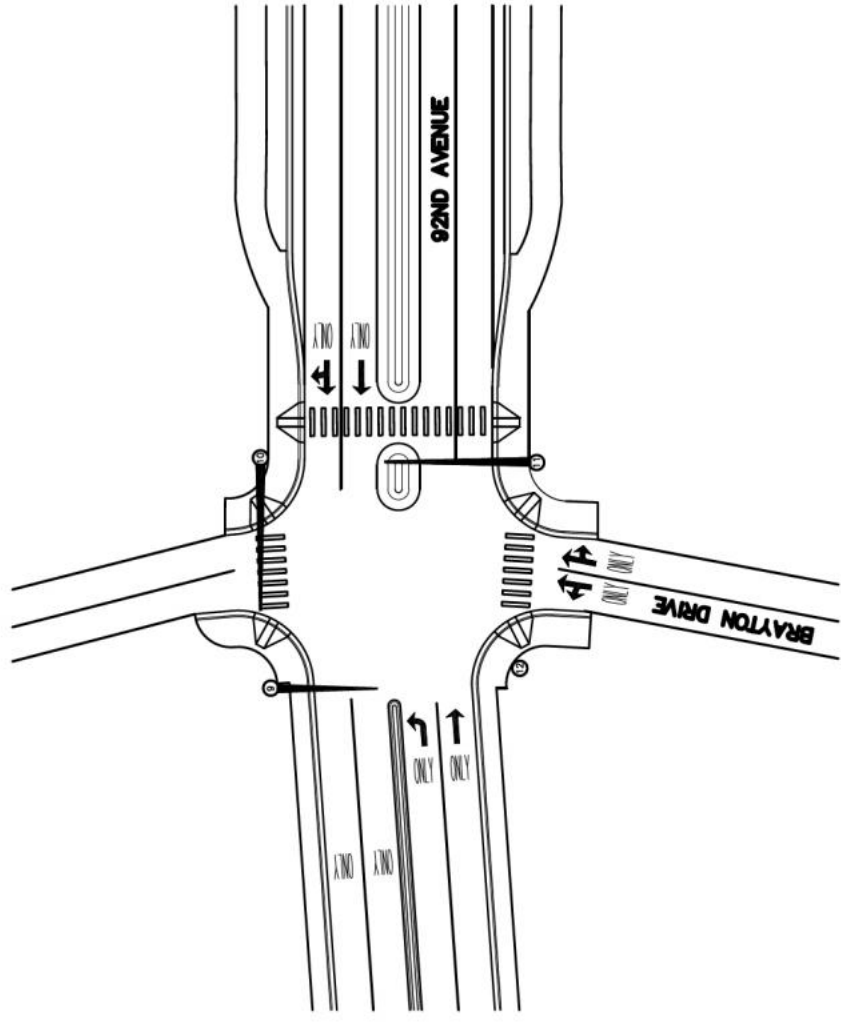
**INTERSECTION DETAIL**  
RAMP AT 92ND AVENUE



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
**92ND AVENUE GRADE SEPARATION  
PROJECT**  
INTERSECTION DETAIL

REVIEWS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	B9	B10

NO.	DATE	DESCRIPTION



**INTERSECTION DETAIL**  
BRAYTON DRIVE AT 92ND AVENUE



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

**92ND AVENUE GRADE SEPARATION  
PROJECT**

**INTERSECTION DETAIL**

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	C1	C1

### ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
201(3B)	CLEARING AND GRUBBING	ACRE	9.18
202(2)	REMOVAL OF PAVEMENT	S.Y.	40,944
202(3)	REMOVAL OF SIDEWALK	S.Y.	4,800
202(9)	REMOVAL OF CURB AND GUTTER	L.F.	1,408
202(13)	REMOVAL OF EXISTING BRIDGE 695	L.S.-S.F.	2,166
202(17A)	REMOVAL OF AND REINSTALL SIGN	EA	15
203(3)	UNCLASSIFIED EXCAVATION	C.Y.	17,240
203(3A)	UNCLASSIFIED EXCAVATION (RETENSION POND)	C.Y.	437
203(6A)	BORROW, TYPE A	TON	149,484
205(1)	EXCAVATION FOR STRUCTURES	C.Y.	500
205(3)	STRUCTURAL FILL	C.Y.	15,000
301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	9,899
306(1)	ASPHALT TREATED BASE (ATB)	TON	9,909
401(1A)	HOT MIX ASPHALT, TYPE V	TON	8,492
401(2)	ASPHALT PRICE ADJUSTMENT	TON	467
410(1)	TEMPORARY PAVEMENT (DETOURS)	C.S.	ALL REOD
501(7)	CLASS A CONCRETE	TON	1,723
501(7)	PRECAST CONCRETE MEMBER (54" DECKED BULB TEE)	L.S.-C.Y.	375
503(1)	REINFORCING STEEL	EA	18
503(2)	EPOXY-COATED REINFORCING STEEL	L.S.-LBS.	60,000
505(5A)	FURNISH STRUCTURAL STEEL PILES (HP14X117)	L.S.-LBS.	30,000
505(6A)	DRIVE STRUCTURAL STEEL PILES (HP14X117)	L.F.	1,800
507(2)	PEDESTRIAN RAILING	EA	18
507(4)	CONCRETE BARRIER	L.F.	584
508(1)	WATERPROOFING MEMBRANE	L.F.	1,700
512(1)	TEMPORARY WORK BRIDGE	L.S.-S.F.	15,184
601(1)	W-BEAM GUARDRAIL	L.S.-S.F.	4,080
604(1D)	OIL GRIT SEPARATOR	L.F.	3,200
604(5)	INLET, TYPE A	EA	1
605(1A)	18" CORRUGATED STEEL PIPE	EA	14
605(1B)	24" CORRUGATED STEEL PIPE	L.F.	493
605(1C)	36" CORRUGATED STEEL PIPE	L.F.	1,545
606(6)	REMOVING AND DISPOSING OF GUARDRAIL	L.F.	200
606(9)	CONTROLLED RELEASE TERMINAL	L.F.	870
606(12)	GUARDRAIL TO BRIDGE RAIL CONNECTION	EA	4
608(1A)	CONCRETE SIDEWALK, 4 INCHES THICK	EA	4
608(6)	CURB RAMP	S.Y.	4,763
608(2)	CURB AND GUTTER, TYPE 1	EACH	22
611(1)	RRPAP, CLASS 1	L.F.	5,191
615(1)	STANDARD SIGN	C.Y.	3,823
615(1)	SEEDING, SCHEDULE A	S.F.	63
619(1)	NATIVE VEGETATION PLANTING	S.Y.	40,000
620(1)	TOPSOIL	L.S.	1
621(1)	IMPERVIOUS SOIL (CLAY)	S.Y.	40,000
630(1)	GEOTEXTILE SEPARATION	C.Y.	40,000
639(6)	APPROACH	S.Y.	16,667
640(1)	MOBILIZATION AND DEMOBILIZATION	EA	5
		L.S.	ALL REOD

### ESTIMATE OF QUANTITIES (CONT.)

ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
641(1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	L.S.	ALL REOD
641(2)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	C.S.	ALL REOD
641(6)	SNPPP PRICE ADJUSTMENT	C.S.	ALL REOD
641(7)	SNPPP MANAGER	C.S.	ALL REOD
642(1)	CONSTRUCTION SURVEYING	L.S.	ALL REOD
643(2)	TRAFFIC MAINTENANCE	C.S.	ALL REOD
643(15)	FLAGGING	C.S.	ALL REOD
643(25)	TRAFFIC CONTROL	C.S.	ALL REOD
644(1)	FIELD OFFICE	L.S.	ALL REOD
645(1)	TRAINING PROGRAM	HR	1250
660(1)	TRAFFIC SIGNAL SYSTEM COMPLETE, 92ND AVE	L.S.	1
660(2)	TRAFFIC SIGNAL SYSTEM COMPLETE, PEDESTRIAN CROSSING	L.S.	1
662(1)	HIGHWAY LIGHTING SYSTEM COMPLETE	L.S.	1
662(1)	RELOCATION OF ELECTRIC UTILITIES	L.S.	1
663(1)	RELOCATION OF WATER AND SANITARY SEWERS	L.S.	1
665(1)	RELOCATION OF TELEPHONE UTILITIES	L.S.	1
670(1)	PAINTED TRAFFIC MARKINGS	L.S.	1

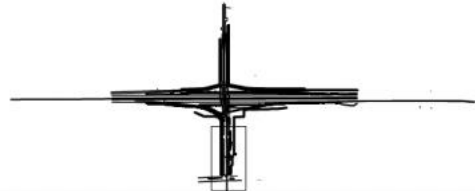
### TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR
203(6A)	BORROW, TYPE A	120 LB./FT. 3
301(1)	AGGREGATE BASE COURSE, GRADING D-1	148 LB./FT. 3
306(1)	ASPHALT TREATED BASE (ATB)	150 LB./FT. 3
401(1A)	HOT MIX ASPHALT, TYPE V	153 LB./FT. 3
401(2)	ASPHALT CEMENT, GRADE PG 52-28	5.5% WT. OF ASPHALT CONCRETE
410(1)	TEMPORARY PAVEMENT	153 LB./FT. 3

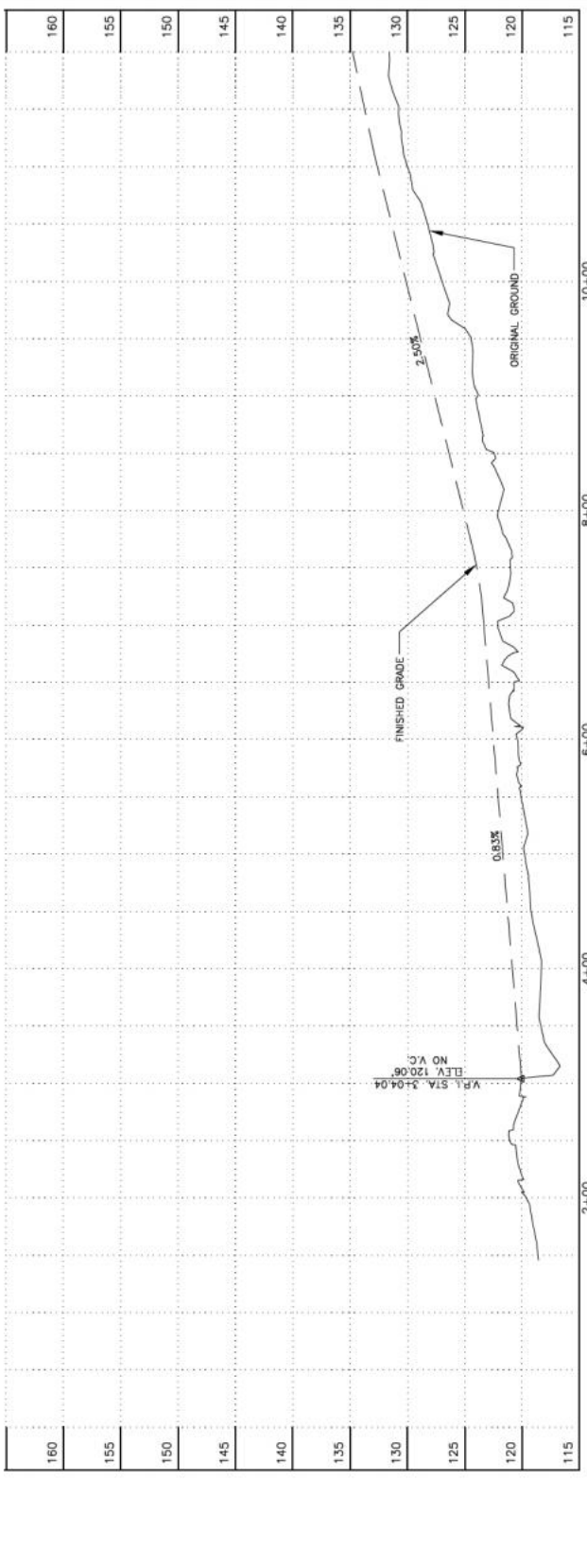
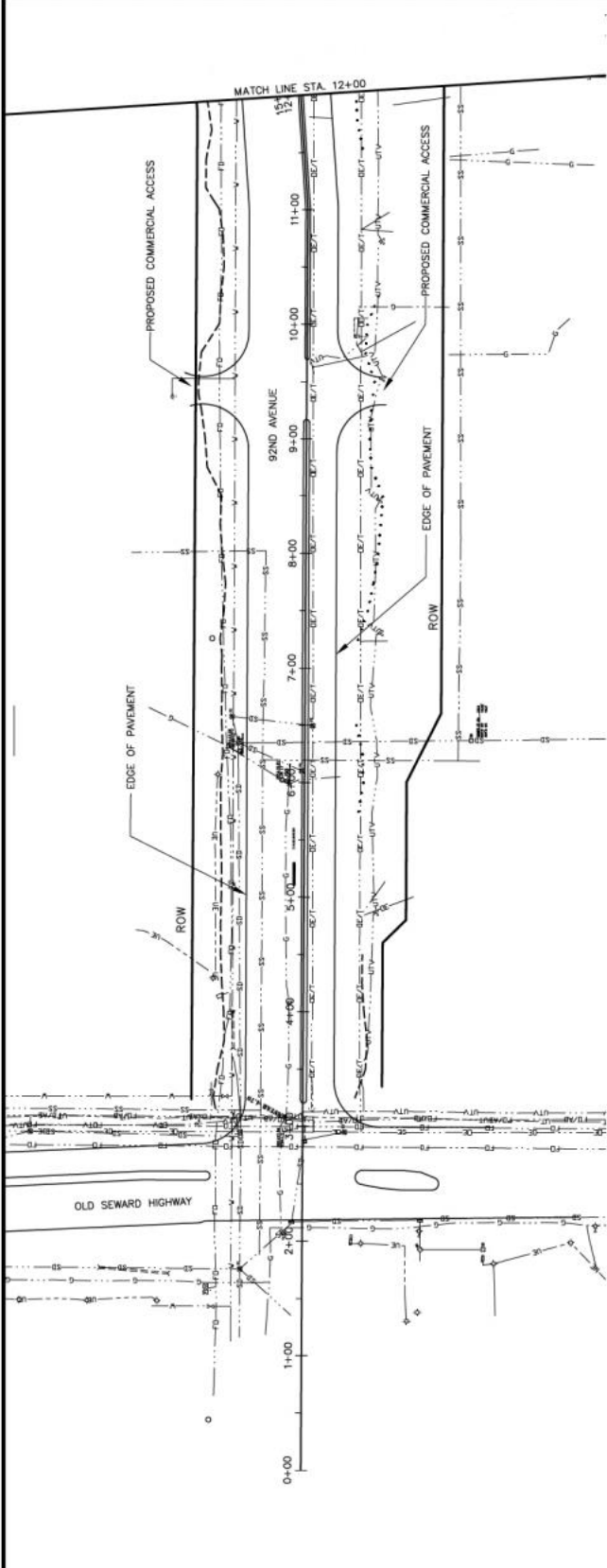


STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 92ND AVENUE GRADE SEPARATION  
 PROJECT  
 ESTIMATION OF QUANTITIES

SHEET NO.	F1	TOTAL SHEETS	F6
STATE	ALASKA	YEAR	2013
PROJECT DESIGNATION	92ND AVENUE GRADE SEPARATION PROJECT		
APPROVER NO.	UAA-CE438		
ATTACHMENT NO.			
REVISIONS			
NO.	DATE	DESCRIPTION	

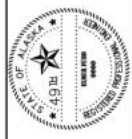
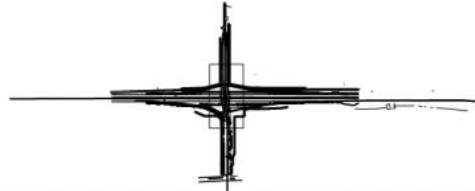


STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
92ND AVENUE GRADE  
SEPARATION PROJECT  
92ND AVENUE  
PLAN & PROFILE

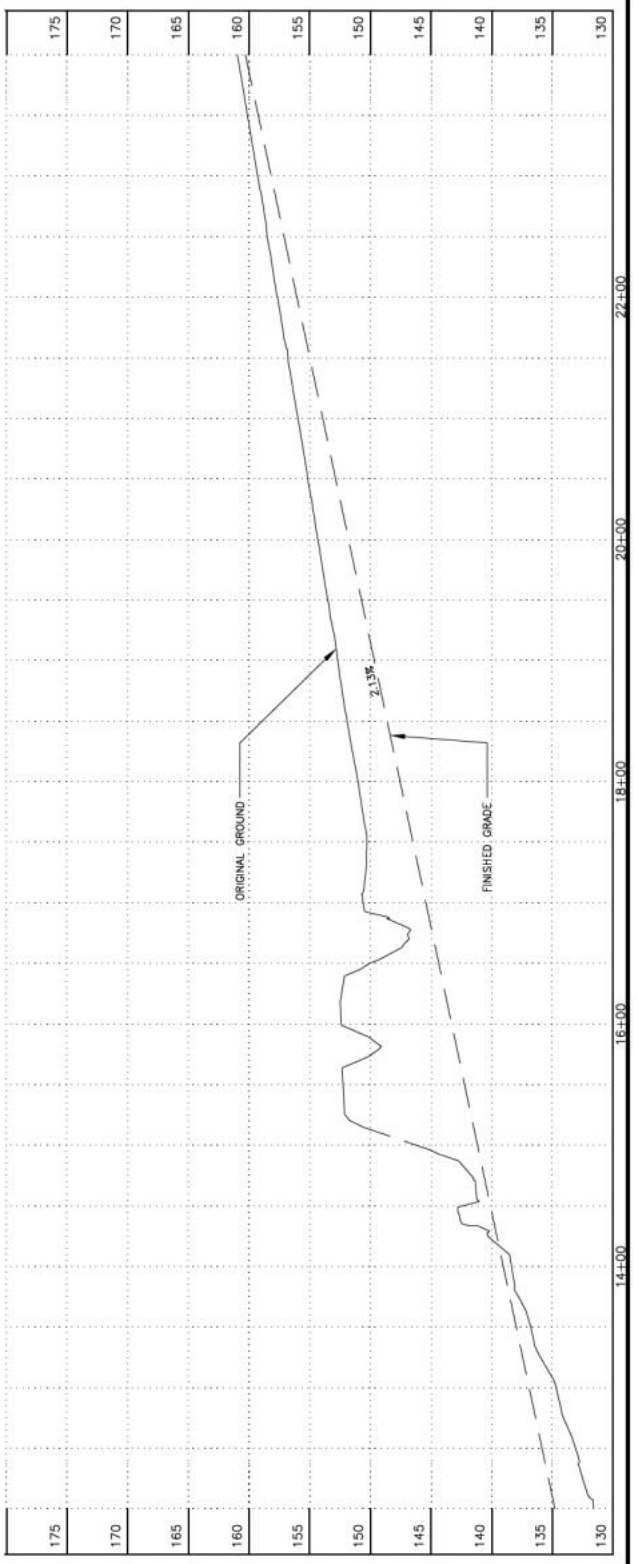
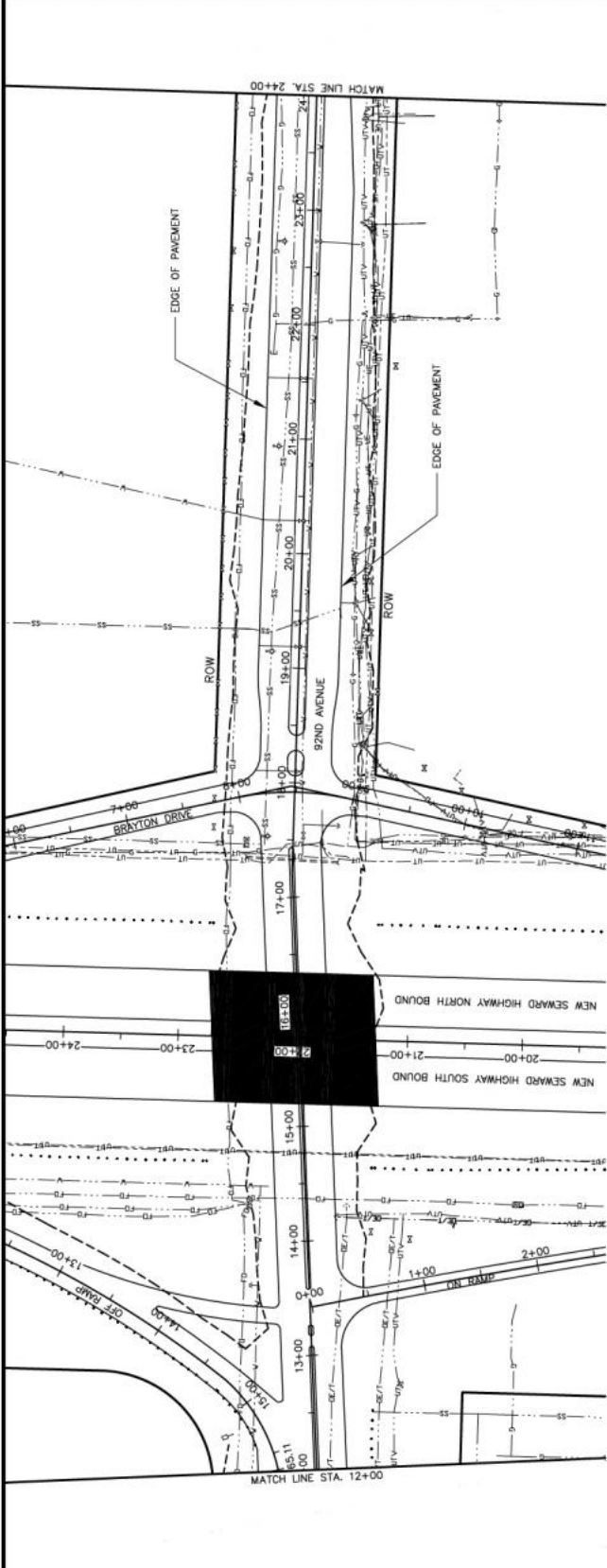


DATE TIME	LAYOUT	SCALE	DRAWING LOCATION
		1"=50'	

SHEET NO.	F2	TOTAL SHEETS	F6
STATE	ALASKA	YEAR	2013
PROJECT DESIGNATION	92ND AVENUE GRADE SEPARATION PROJECT		
APPROVER NO.	UAA-CE438		
ATTACHMENT NO.			
REVISIONS			
NO.	DATE	DESCRIPTION	

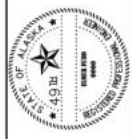
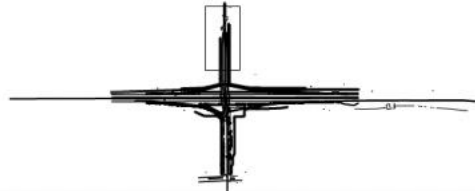


STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 92ND AVENUE GRADE  
 SEPARATION PROJECT  
 92ND AVENUE  
 PLAN & PROFILE

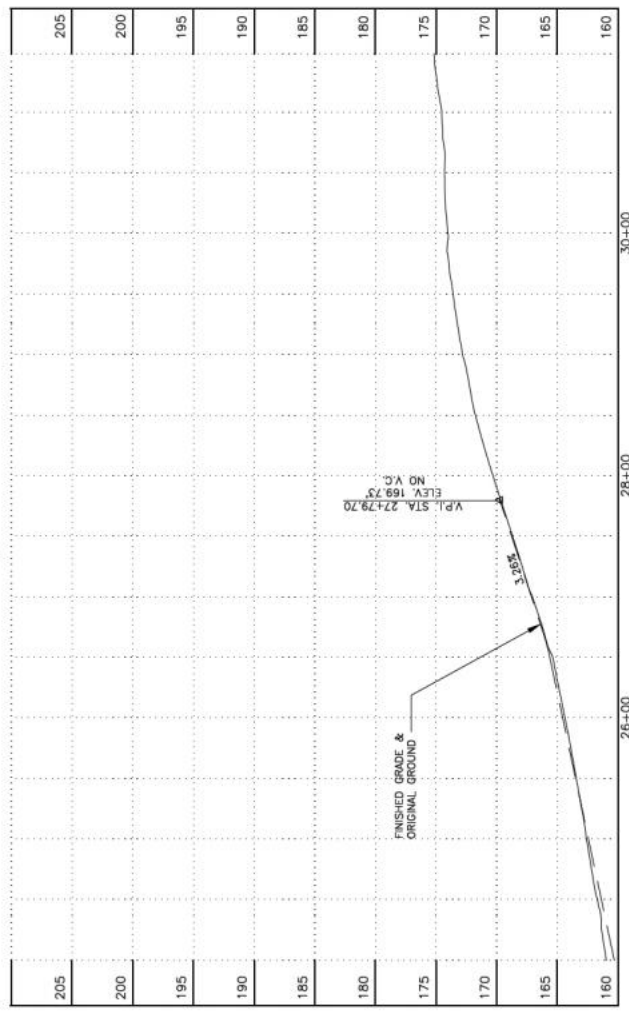
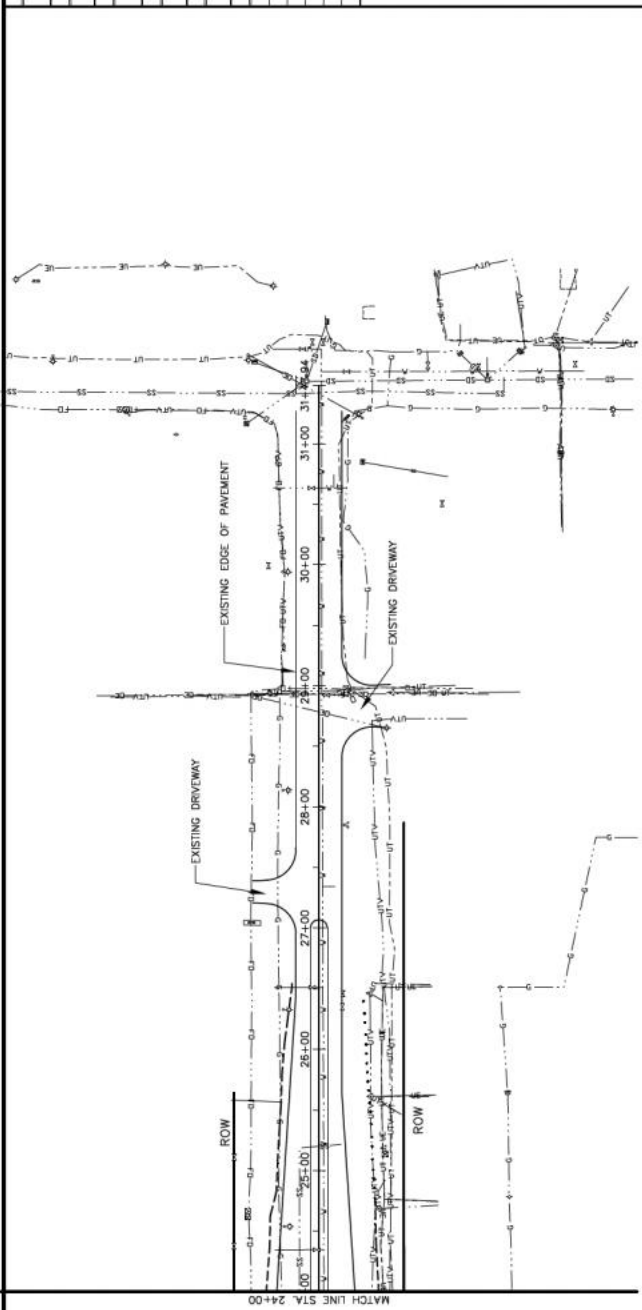


DATE TIME	LAYOUT	SCALE	1"=50'

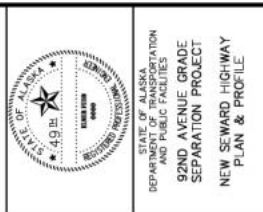
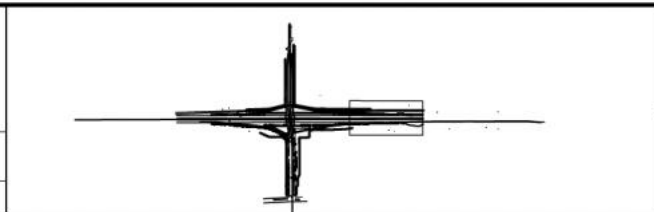
SHEET NO.	F3	TOTAL SHEETS	F6
STATE	ALASKA	YEAR	2013
PROJECT DESIGNATION	92ND AVENUE GRADE SEPARATION PROJECT		
APPROVER NO.	UAA-CE438		
ATTACHMENT NO.			
REVISIONS	NO. DATE DESCRIPTION		



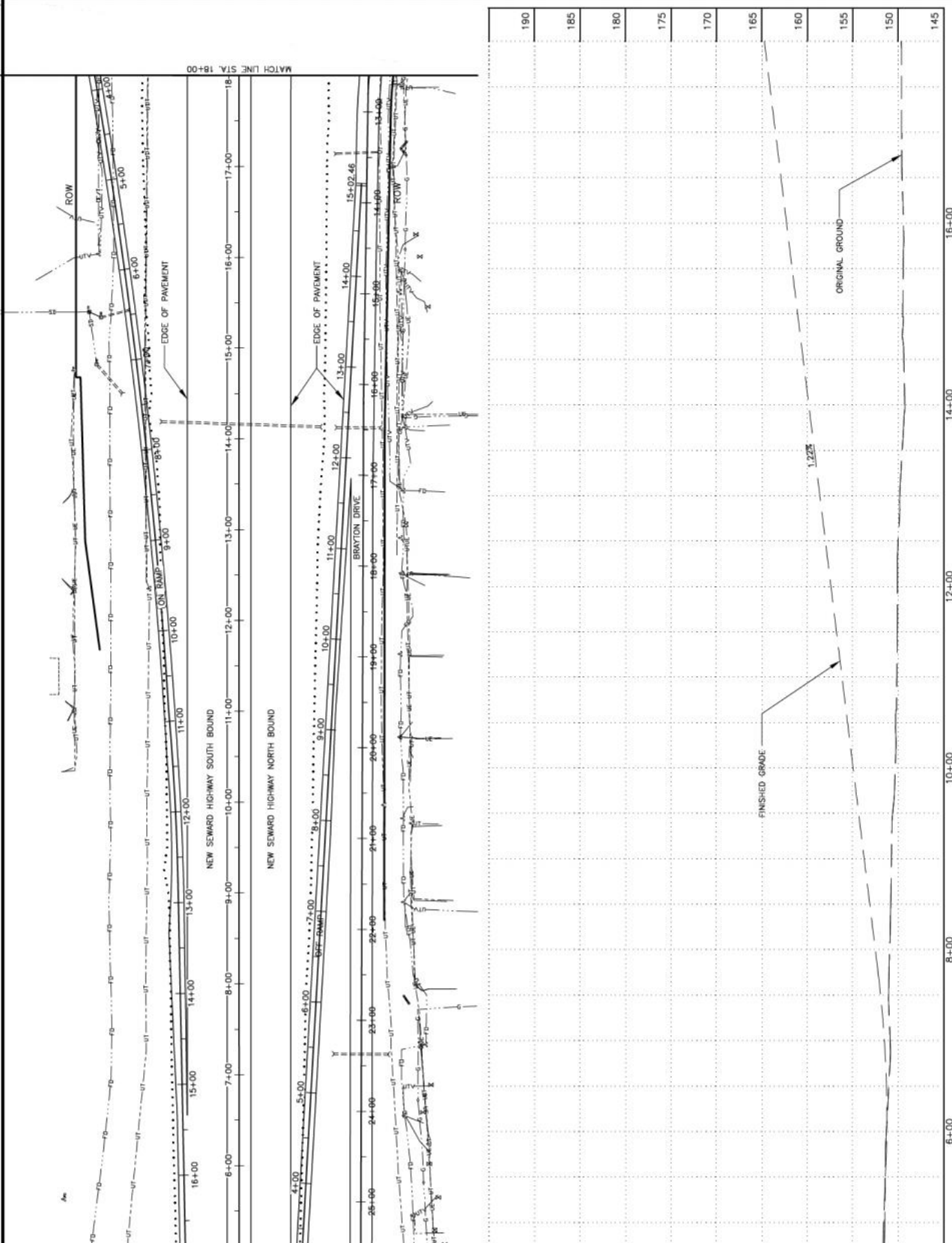
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 92ND AVENUE GRADE SEPARATION PROJECT  
 92ND AVENUE  
 PLAN & PROFILE



SHEET NO.	F4	TOTAL SHEETS	F6
STATE	ALASKA	YEAR	2013
PROJECT DESIGNATION	UAA-CE438		
APPROVER'S NO.			
ATTACHMENT NO.			
REVISIONS			
NO.	DATE	DESCRIPTION	



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 92ND AVENUE GRADE  
 SEPARATION PROJECT  
 NEW SEWARD HIGHWAY  
 PLAN & PROFILE

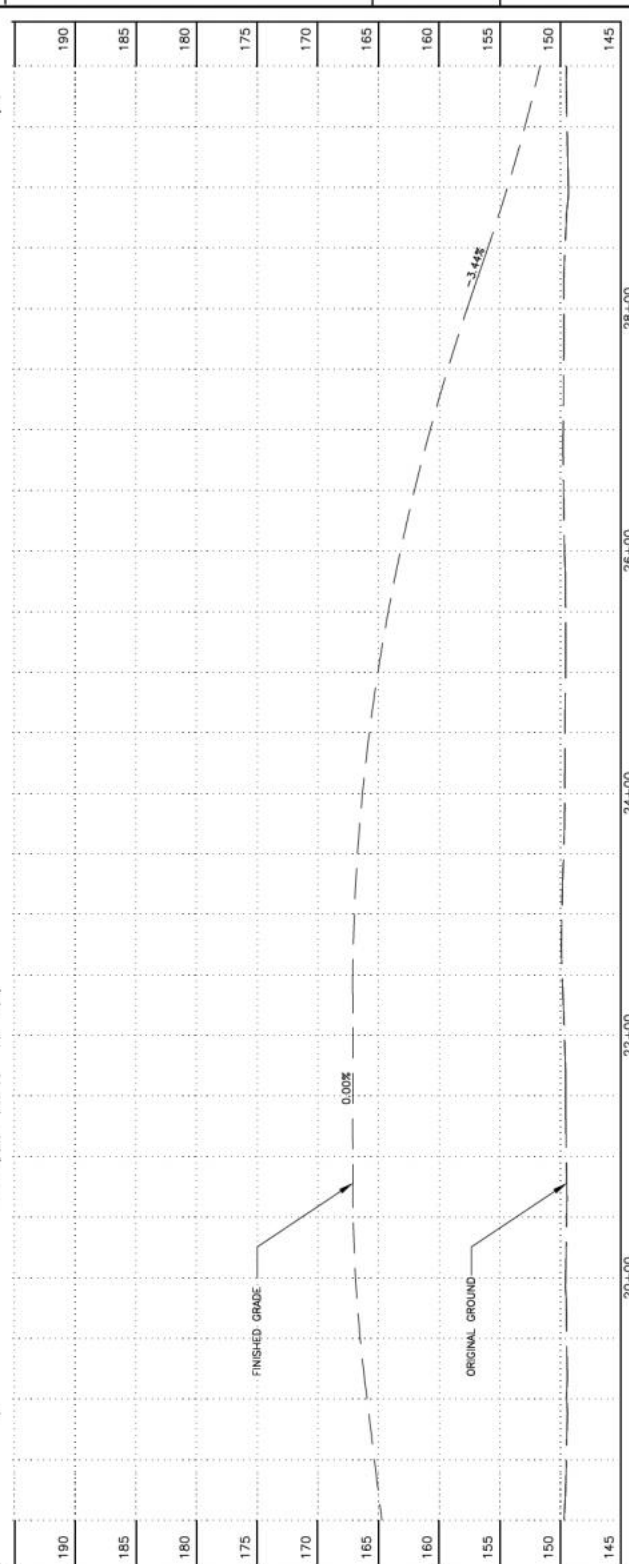
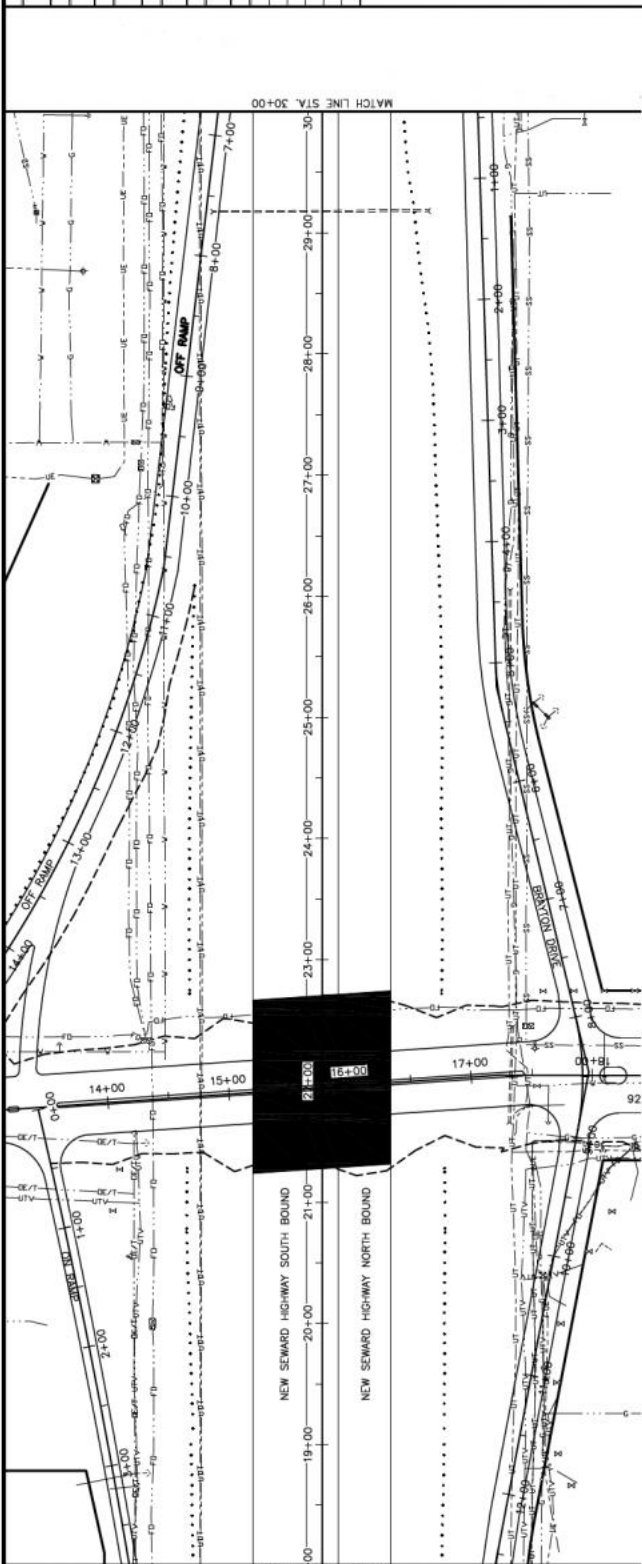
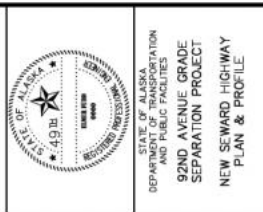
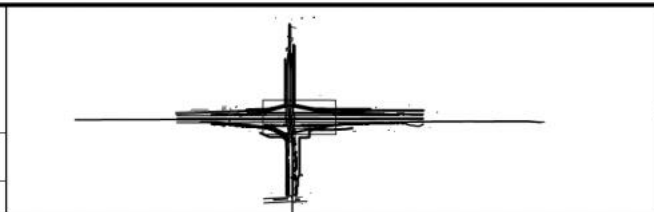


DATE	TIME	LAYOUT	SCALE	1" = 50'

DRAWING LOCATION



SHEET NO.	F5	TOTAL SHEETS	F6
STATE	ALASKA	YEAR	2013
PROJECT DESIGNATION	UAA-CE438		
APPROVER NO.			
ATTACHMENT NO.			
NO.	DATE	DESCRIPTION	

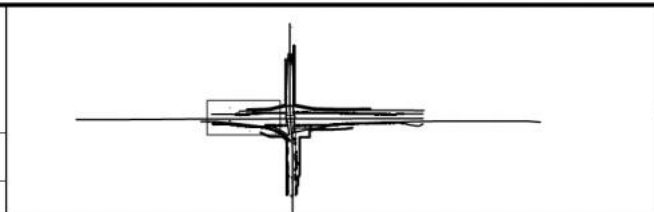


DATE	TIME	DATE	TIME
SCALE	1" = 50'	SCALE	1" = 50'
LAYOUT		LAYOUT	
CHECKED BY		CHECKED BY	
DRAWN BY		DRAWN BY	

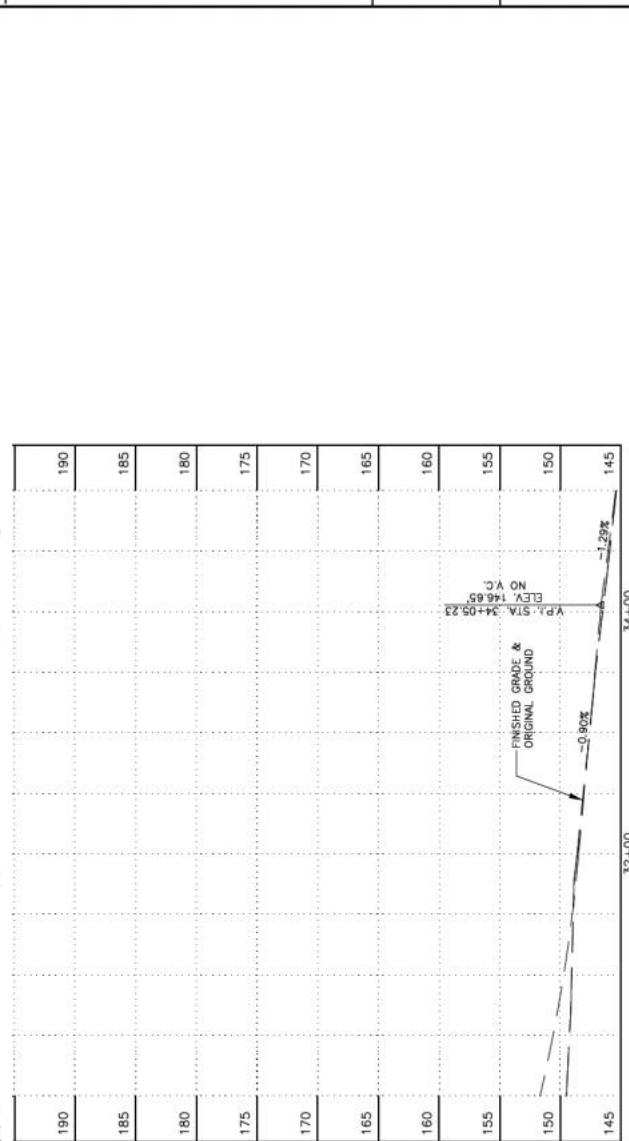
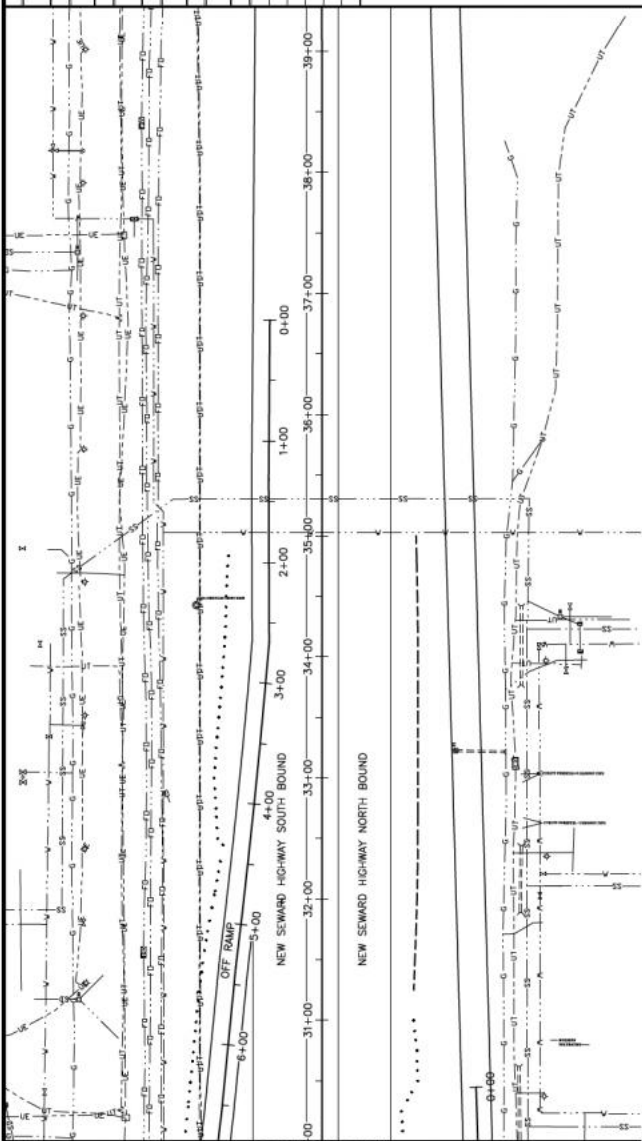
DRAWING LOCATION

SHEET NO.	F6	TOTAL SHEETS	F6
STATE	ALASKA	YEAR	2013
PROJECT DESIGNATION	UAA-CE438		
APPROVER NO.			

ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



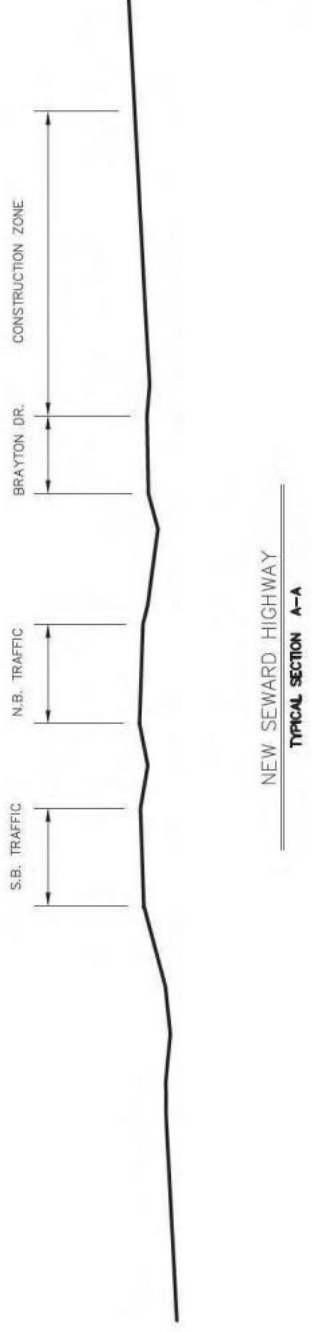
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 92ND AVENUE GRADE  
 SEPARATION PROJECT  
 NEW SEWARD HIGHWAY  
 PLAN & PROFILE



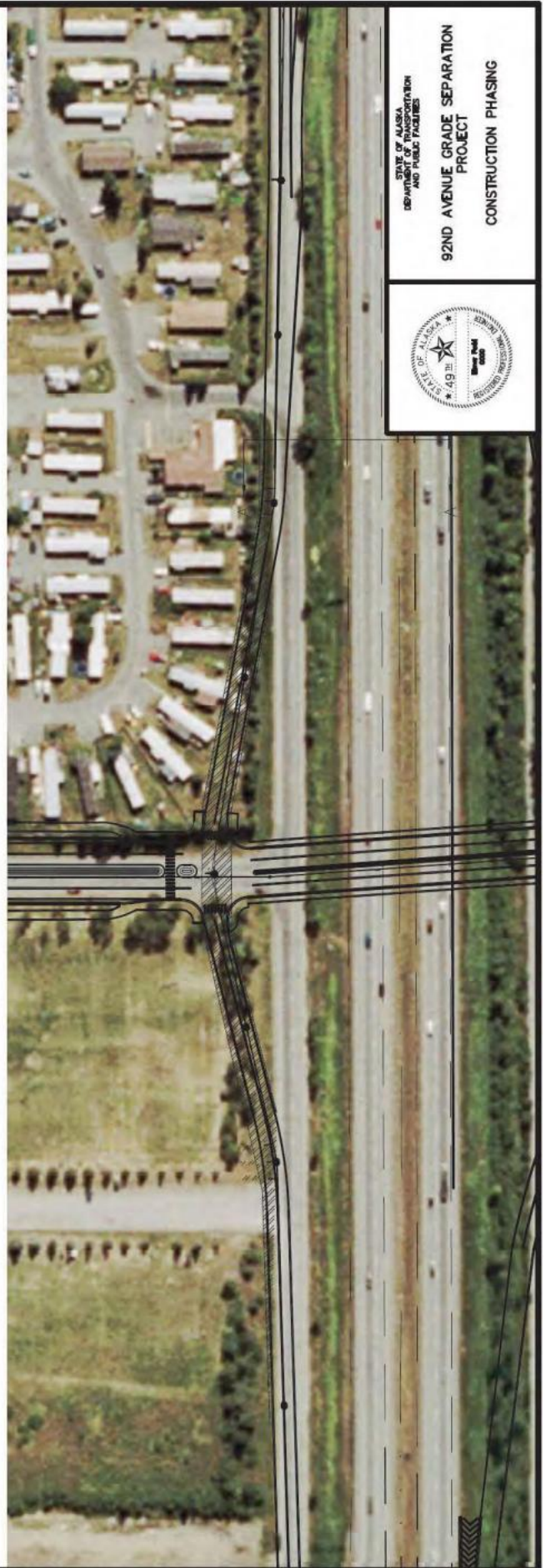
DATE TIME	LAYOUT	SCALE	1"=50'
DRAWING LOCATION			
DESIGNED BY	09/27/13 BY		
CHECKED BY			
APPROVED BY			

REVISED		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	J1	J11

REVISIONS		DESCRIPTION
NO.	DATE	



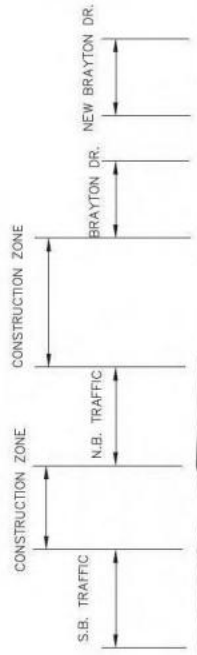
PHASE 1.0  
 - CLEAR ROW  
 - CLEARING AND GRUBBING  
 - CONSTRUCT NEW ALIGNMENT FOR BRAYTON DRIVE.



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
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 92ND AVENUE GRADE SEPARATION  
 PROJECT  
 CONSTRUCTION PHASING



REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	J2	J11



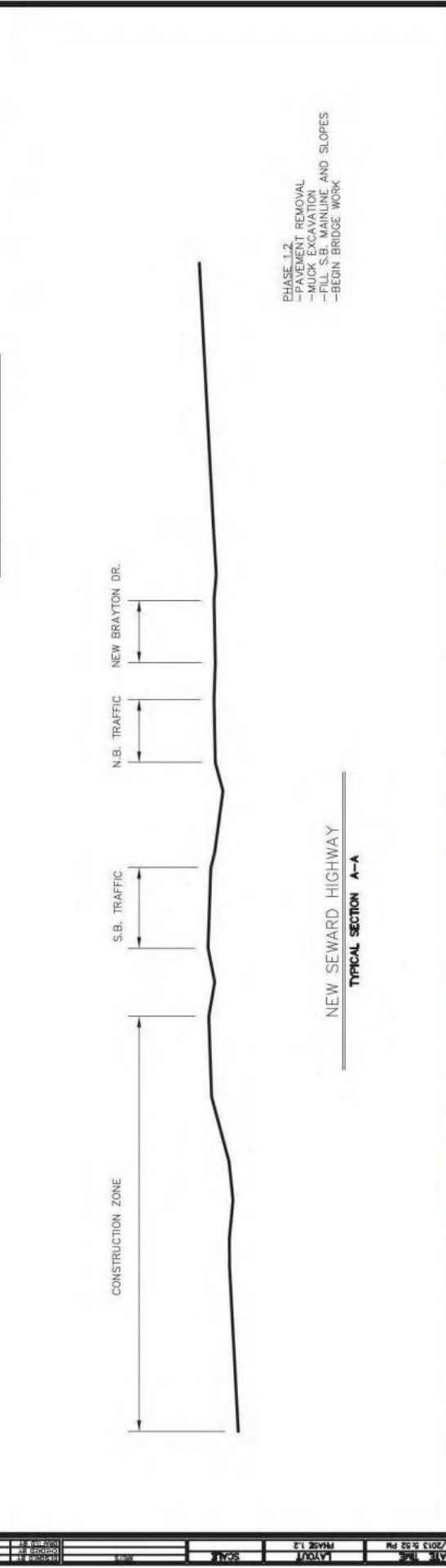
PHASE 1.1  
 -FILL MEDIAN BETWEEN BRAYTON & N.B.  
 -CREATE DETOUR FOR N.B. ALONG BRAYTON DRIVE.  
 -FILL MEDIAN BETWEEN N.B. & S.B.  
 -CREATE DETOUR FOR S.B. ON N.B.

NEW SEWARD HIGHWAY  
 TYPICAL SECTION A-A

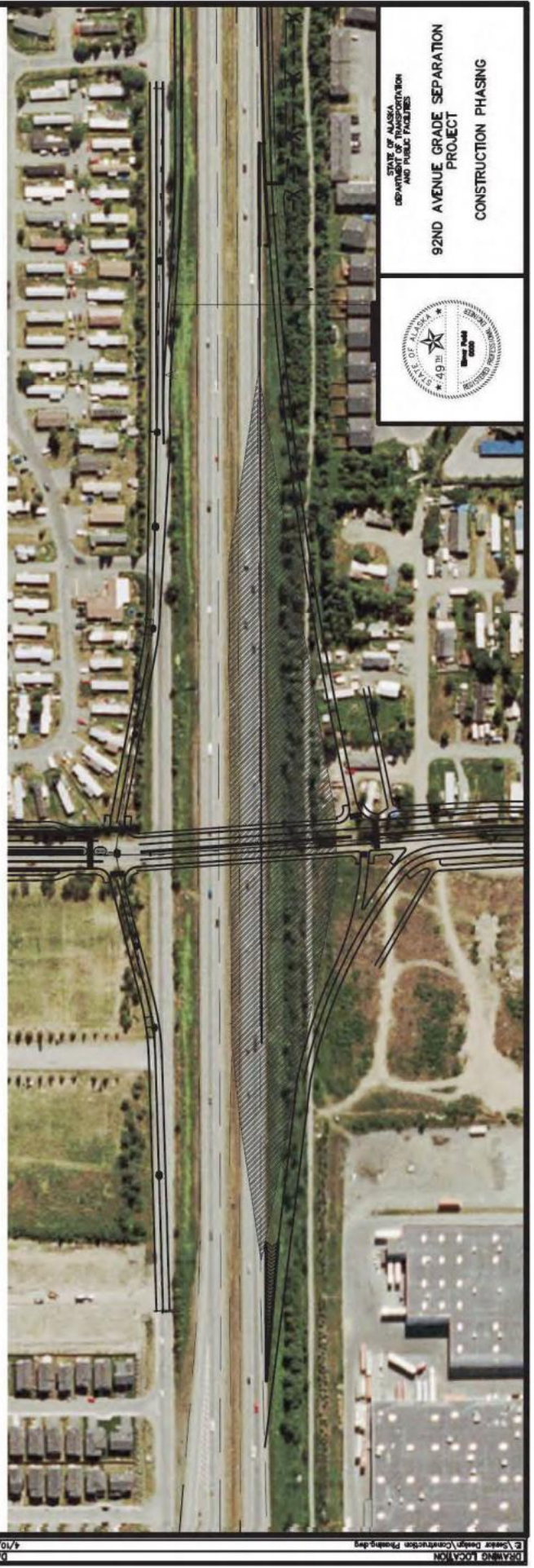


STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 92ND AVENUE GRADE SEPARATION  
 PROJECT  
 CONSTRUCTION PHASING

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	J3	J11



NEW SEWARD HIGHWAY  
 TYPICAL SECTION A-A





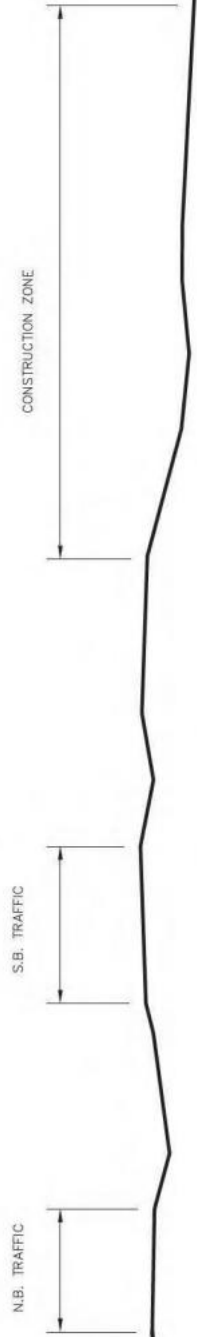
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES

**92ND AVENUE GRADE SEPARATION  
 PROJECT**

CONSTRUCTION PHASING

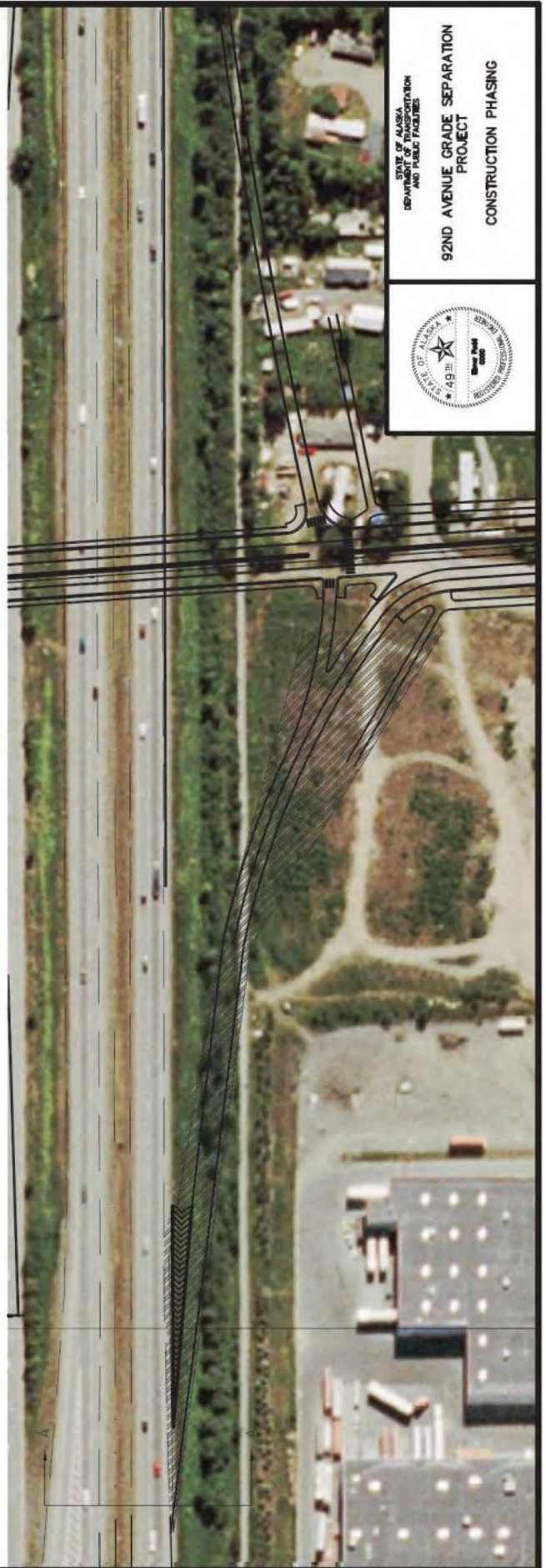


REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	J4	J11



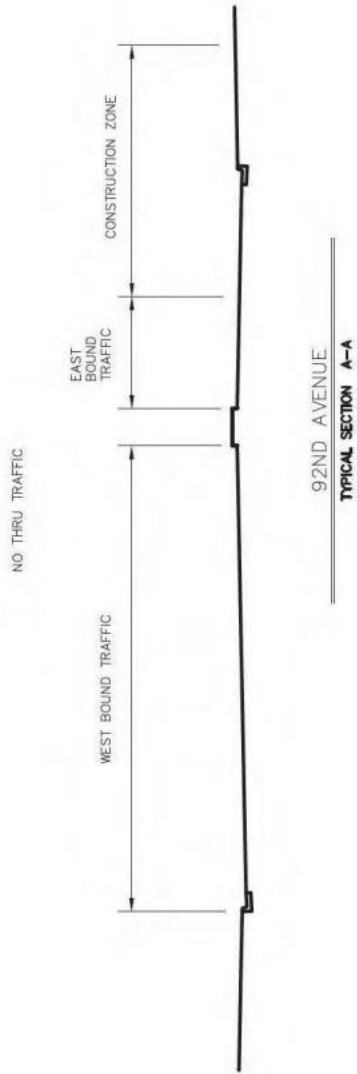
NEW SEWARD HIGHWAY  
TYPICAL SECTION A-A

PHASE 2.0  
-MUCK EXCAVATION  
-CONSTRUCT S.B. OFF RAMP

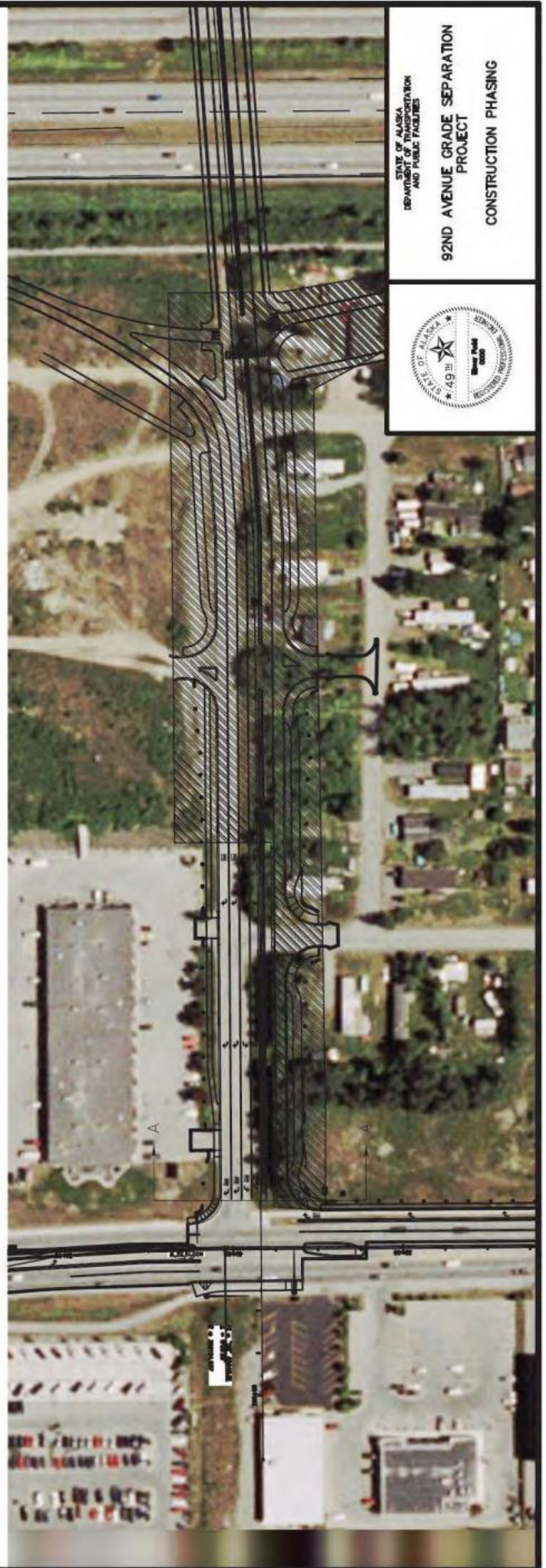


STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
92ND AVENUE GRADE SEPARATION  
PROJECT  
CONSTRUCTION PHASING

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	J5	J11



PHASE 2.1A  
 -CURB AND GUTTER REMOVAL  
 -PAVEMENT REMOVAL  
 -STORM WATER PIPE RELOCATION  
 -CONSTRUCTION OF NEW LANES  
 -CONSTRUCTION OF CURB AND GUTTER



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES

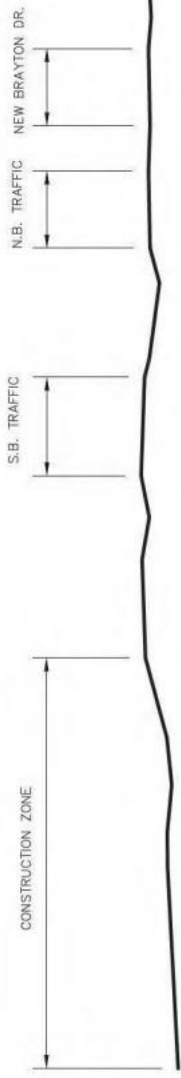
92ND AVENUE GRADE SEPARATION  
 PROJECT

CONSTRUCTION PHASING



REVISED		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	J6	J11

NO.	DATE	DESCRIPTION



PHASE 2.1B  
 -PAVEMENT REMOVAL  
 -MUCK EXCAVATION  
 -FILL

NEW SEWARD HIGHWAY  
 TYPICAL SECTION A-A



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
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 92ND AVENUE GRADE SEPARATION  
 PROJECT  
 CONSTRUCTION PHASING



REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	J7	J11



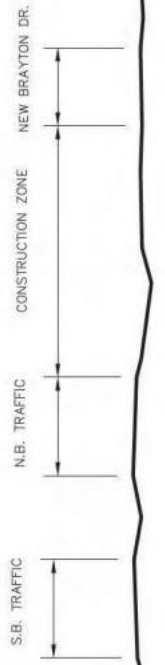
NEW SEWARD HIGHWAY  
TYPICAL SECTION A-A

- PHASE 3.0
- PAVEMENT REMOVAL
  - BRING N.B. MAINLINE TO GRADE
  - RESUME BRIDGE CONSTRUCTION
  - PAVE N.B. MAINLINE & BRIDGE
  - MOVE N.B. TRAFFIC BACK OVER TO NEW ALIGNMENT



STATE OF ALASKA  
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PROJECT  
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REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	JB	J11



PHASE 3.1  
 - REMOVAL OF TEMPORARY ALIGNMENT  
 - PAVEMENT FINISH SLOPES ALONG N.B. MAINLINE  
 - CONSTRUCT NEW N.B. OFF RAMP

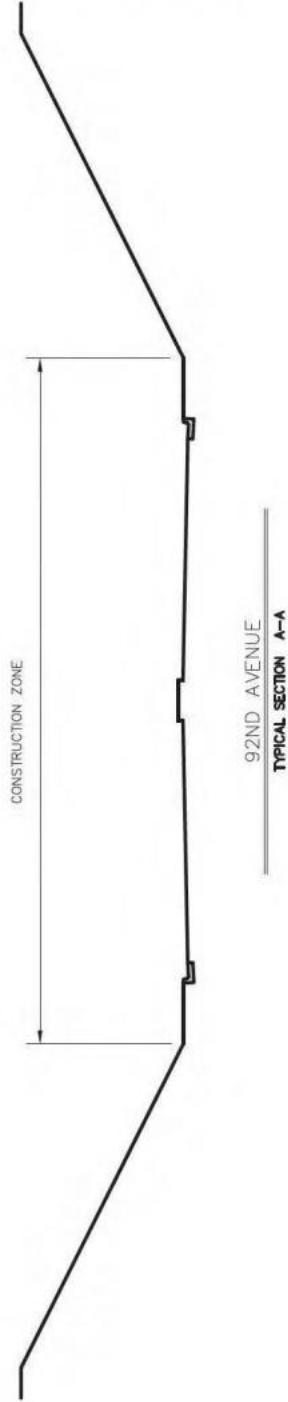
NEW SEWARD HIGHWAY  
 TYPICAL SECTION A-A



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 92ND AVENUE GRADE SEPARATION  
 PROJECT  
 CONSTRUCTION PHASING



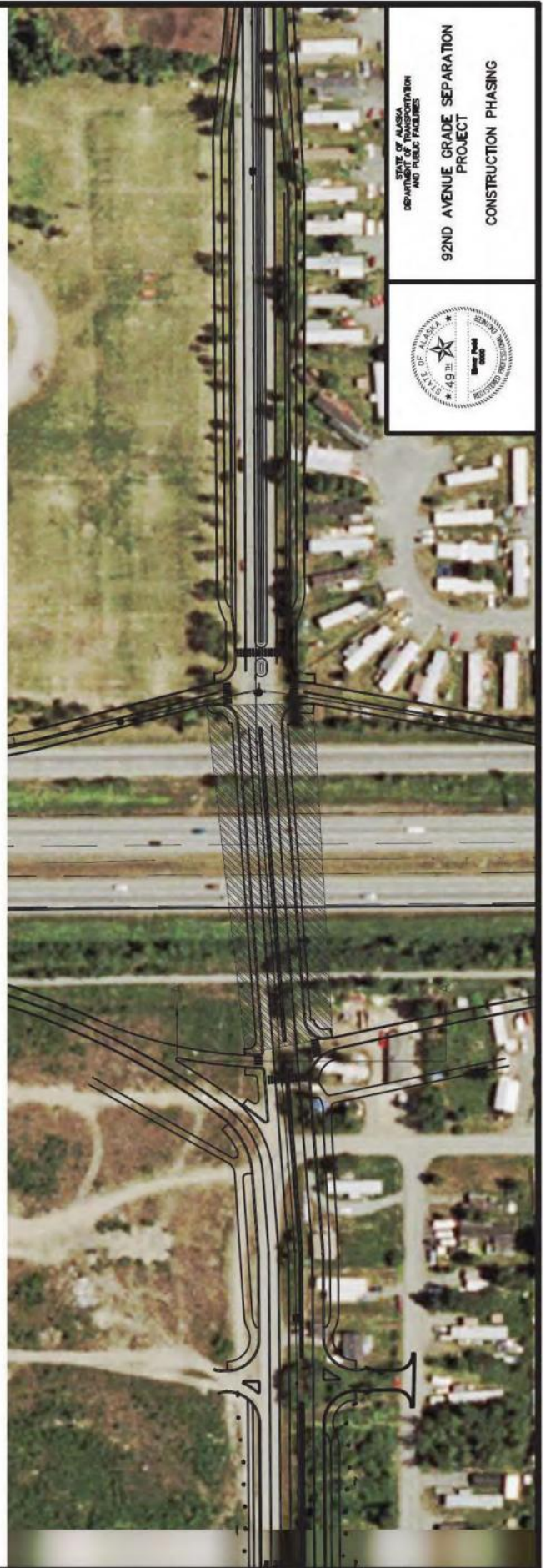
REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	J9	J11



PHASE 3.2  
 -MUCK EXCAVATION UNDER NEW BRIDGE  
 -FILL  
 -INSTALL NEW SEWER PIPES  
 -INSTALL CURB AND GUTTER  
 -INSTALL SIDEWALKS  
 -PAVE



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 PROJECT  
 CONSTRUCTION PHASING



REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	J10	J11

WESTBOUND TRAFFIC

EASTBOUND TRAFFIC

CONSTRUCTION ZONE

92ND AVENUE  
TYPICAL SECTION A-A

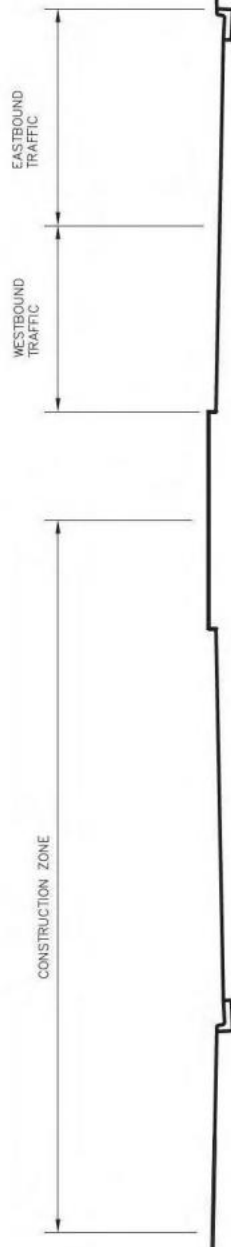
- PHASE 4.0  
 -PAVEMENT REMOVAL  
 -PIPE INSTALLATION  
 -GRADE/FILL  
 -INSTALL CURB, GUTTER, MEDIAN, SIDEWALK  
 -PAVE  
 -SWITCH TRAFFIC



STATE OF ALASKA  
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 PROJECT  
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REVIEWS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	J11	J11



PHASE 4.1  
 --PAVEMENT REMOVAL  
 --PIPE INSTALLATION  
 --INSTALL CURB, GUTTER, MEDIAN, BIKE PATH  
 --PAVE  
 --SWITCH TRAFFIC

92ND AVENUE  
 TYPICAL SECTION A-A



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
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 92ND AVENUE GRADE SEPARATION  
 PROJECT  
 CONSTRUCTION PHASING

NO.	DATE	REVISIONS DESCRIPTION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	UAA CE-438	2013	K1	K9

**SIGN SUMMARY - 92ND AVENUE**

SHEET NO.	POST NO.	STA.	CL REF.	TYPE	LEGEND	SIZE		AREA (sf)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS
						WIDTH (in)	HEIGHT (in)				FRAMED YES	NO	
X	1	2+00.00	MD	R3-5L		30	36	7.5	E	Over-head	X	X	Signal Arm - Signal 1
X	1	2+00.00	MD	R3-5L		30	36	7.5	E	Over-head	X	X	Signal Arm - Signal 1
X	1	2+00.00	MD	R3-5R		30	36	7.5	E	Over-head	X	X	Signal Arm - Signal 1
X	1	2+00.00	MD	R3-5R		30	36	7.5	E	Over-head	X	X	Signal Arm - Signal 1
X	1	2+00.00	MD	D3-1B	STREET NAME Old Seward Hwy	129	30	26.9	E	Over-head	X	X	Signal Arm - Signal 1
X	1	2+00.00	MD	R10-3e		9	15	0.9	S	Signal Post	X	X	Signal Post - Signal 1
X	2	2+00.00	MD	W1-7		48	24	8.0	E	1, 2" SST	X	X	
X	2	2+00.00	MD	OM4-1		18	18	2.3	E	1, 2" SST	X	X	
X	3	2+25.00	RT	D3-1B	STREET NAME 92nd Ave	85	30	17.7	N	Over-head	X	X	Signal Arm - Signal 4
X	3	2+25.00	RT	R3-5L		30	36	7.5	N	Over-head	X	X	Signal Arm - Signal 4
X	3	2+25.00	RT	R10-3e		9	15	0.9	N	Signal Post	X	X	Signal Post - Signal 4
X	4	2+75.00	LT	D3-1B	STREET NAME 92nd Ave	85	30	17.7	S	Over-head	X	X	Signal Arm - Signal 2
X	4	2+75.00	LT	R3-5R		30	36	7.5	S	Over-head	X	X	Signal Arm - Signal 2
X	4	2+75.00	LT	R10-3e		9	15	0.9	S	Signal Post	X	X	Signal Post - Signal 2
X	4	2+75.00	LT	R10-3e		9	15	0.9	W	Signal Post	X	X	Signal Post - Signal 2
X	5	2+75.00	RT	R10-3e		9	15	0.9	N	Signal Post	X	X	Signal Post - Signal 3
X	5	2+75.00	RT	R10-3e		9	15	0.9	W	Signal Post	X	X	Signal Post - Signal 3
X	6	5+00.00	LT	R3-8 L/L/R/R	ADV INT LANE CONTROL Left/Left/Right/Right	144	30	30.0	E	2, 2" SST	X	X	
X	7	5+00.00	RT	R2-1		30	36	7.5	W	1, 2" SST	X	X	
X	8	5+75.00	RT	W11-23		36	36	9.0	W	1, 2" SST	X	X	
X	8	5+75.00	RT	W16-4p		30	24	5.0	W	1, 2" SST	X	X	
X	9	6+25.00	MD	R6-1R		54	18	6.8	S	1, 2" SST	X	X	Median



STATE OF ALASKA  
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**92ND AVENUE GRADE SEPARATION  
PROJECT**  
SIGN SUMMARY

NO.	DATE	REVISIONS DESCRIPTION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	UAA CE-438	2013	K2	K9

**SIGN SUMMARY - 92ND AVENUE**

SHEET NO.	POST NO.	STA.	CL. REF.	TYPE	LEGEND	SIZE		AREA (sf)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS
						WIDTH (in)	HEIGHT (in)				FRAMED YES	NO	
X	10	6+50.00	RT	R1-1		30	30	5.3	S	1, 2" SST	X	X	
X	10	6+50.00	RT	D3-1	STREET NAME 92nd Ave	43	12	3.6	S	1, 2" SST	X	X	Above Stop Sign
X	10	6+50.00	RT	D3-1	STREET NAME Short St	36	12	3.0	W	1, 2" SST	X	X	Above Stop Sign
X	11	9+00.00	MD	R6-1R		54	18	6.8	N	1, 2" SST	X	X	Median
X	12	9+00.00	MD	R3-2		36	36	9.0	N	1, 2" SST	X	X	Median
X	12	9+00.00	MD	OM1-1		18	18	2.3	N	1, 2" SST	X	X	Median - beneath No Left-turns
X	13	9+25.00	LT	R1-1		30	30	5.3	N	1, 2" SST	X	X	
X	13	9+25.00	LT	D3-1	STREET NAME 92nd Ave	43	12	3.6	N	1, 2" SST	X	X	Above Stop Sign
X	13	9+25.00	LT	D3-1	STREET NAME Long St	36	12	3.0	N	1, 2" SST	X	X	Above Stop Sign
X	14	9+50.00	LT	R4-7		24	30	5.0	N	1, 2" SST	X	X	On Island
X	14	9+50.00	LT	OM1-1		18	18	2.3	N	1, 2" SST	X	X	On Island - beneath Keep Right
X	15	9+50.00	RT	R4-7		24	30	5.0	S	1, 2" SST	X	X	On Island
X	15	9+50.00	RT	OM1-1		18	18	2.3	S	1, 2" SST	X	X	On Island - beneath Keep Right
X	16	9+75.00	MD	R6-1R		54	18	6.8	S	1, 2" SST	X	X	Median
X	17	9+75.00	MD	R3-2		36	36	9.0	S	1, 2" SST	X	X	Median
X	17	9+75.00	MD	OM1-1		18	18	2.3	S	1, 2" SST	X	X	Median - beneath No Left-turns
X	18	9+75.00	RT	R1-1		30	30	5.3	S	1, 2" SST	X	X	
X	18	9+75.00	RT	D3-1	STREET NAME 92nd Ave	43	12	3.6	S	1, 2" SST	X	X	Above Stop Sign
X	18	9+75.00	RT	D3-1	STREET NAME Long St	36	12	3.0	W	1, 2" SST	X	X	Above Stop Sign
X	19	10+50.00	LT	R2-1		30	36	7.5	E	1, 2" SST	X	X	
X	20	13+00.00	LT	W4-3		36	36	9.0	E	1, 2" SST	X	X	
X	21	13+00.00	LT	R3-6L		30	36	7.5	E	Over-head	X	X	Signal Arm - Signal 5



STATE OF ALASKA  
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PROJECT**  
SIGN SUMMARY

NO.	DATE	REVISIONS DESCRIPTION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	UAA CE-438	2013	K3	K9

**SIGN SUMMARY - 92ND AVENUE**

SHEET NO.	POST NO.	STA.	CL. REF.	TYPE	LEGEND	SIZE		AREA (sf)	SIGN FACES	POSTS NO. & TYPE	THICKNESS (in)		REMARKS
						WIDTH (ft)	HEIGHT (ft)				FRAMED YES	NO	
X	21	13+00.00	LT	D3-1	STREET NAME SOUTH Seward Hwy	102	72	51.0	E	Over-head	X	X	Signal Arm - Signal 5, Directional Arrow - Left, Route Sign
X	21	13+00.00	LT	R6-2L	ONE WAY	30	36	7.5	E	Over-head	X	X	Signal Arm - Signal 5
X	21	13+00.00	LT	R10-3e		9	15	0.9	S	Signal Post	X	X	Signal Post - Signal 5
X	21	13+00.00	LT	R10-3e		9	15	0.9	E	Signal Post	X	X	Signal Post - Signal 5
X	22	13+25.00	RT	R3-6L		30	36	7.5	N	Over-head	X	X	Signal Arm - Signal 6
X	22	13+25.00	RT	D3-1B	STREET NAME 92nd Ave	85	30	17.7	N	Over-head	X	X	Signal Arm - Signal 6
X	22	13+25.00	RT	R10-3e		9	15	0.9	N	Signal Post	X	X	Signal Post - Signal 6
X	22	13+25.00	RT	R10-3e		9	15	0.9	E	Signal Post	X	X	Signal Post - Signal 6
X	23	13+50.00	RT	R10-3e		9	15	0.9	S	Signal Post	X	X	Signal Post - Signal 11
X	23	13+50.00	RT	R10-3e		9	15	0.9	W	Signal Post	X	X	Signal Post - Signal 11
X	24	13+75.00	MD	R3-1B		36	36	9.0	W	1.2" SST	X	X	Median
X	24	13+75.00	MD	OM1-1		18	18	2.3	W	1.2" SST	X	X	Median - beneath No LT-UT
X	25	13+75.00	RT	R6-2R	ONE WAY	30	36	7.5	W	Over-head	X	X	Signal Arm - Signal 7
X	25	13+75.00	RT	E4-21	STREET NAME SOUTH Seward Hwy	102	72	51.0	W	Over-head	X	X	Signal Arm - Signal 7, Directional Arrow - Right, Route Sign
X	25	13+75.00	RT	R3-6R		30	36	7.5	W	Over-head	X	X	Signal Arm - Signal 7
X	25	13+75.00	RT	R6-1R		54	18	6.8	W	Over-head	X	X	Signal Arm - Signal 7
X	25	13+75.00	RT	R10-3e		9	15	0.9	N	Signal Post	X	X	Signal Post - Signal 7
X	25	13+75.00	RT	R10-3e		9	15	0.9	W	Signal Post	X	X	Signal Post - Signal 7
X	26	15+25.00	MD	D3-2	ADV STREET NAME Brayton Dr	91	24	15.2	W	Over-head	X	X	Bridge, Directional Arrow - LT
X	26	15+25.00	MD	W12-2a	16FT 6IN	78	24	13.0	W	Over-head	X	X	Bridge
X	27	16+50.00	MD	E4-21	ADV STREET NAME SOUTH Seward Hwy	102	72	51.0	E	Over-head	X	X	Bridge, Directional Arrow - LT, Route Sign
X	27	16+50.00	MD	W12-2a	16FT 6IN	78	24	13.0	E	Over-head	X	X	Bridge



STATE OF ALASKA  
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**92ND AVENUE GRADE SEPARATION  
PROJECT**  
SIGN SUMMARY



NO.	DATE	REVISIONS DESCRIPTION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	UAA CE-438	2013	K4	K9

**SIGN SUMMARY - 92ND AVENUE**

SHEET NO.	POST NO.	STA.	CL REF.	TYPE	LEGEND	SIZE		AREA (sf)	SIGN FACES	POSTS NO. SIZE & TYPE	THICKNESS (in)		REMARKS
						WIDTH (ft)	HEIGHT (ft)				FRAMED	NO	
X	28	16+50.00	LT	R2-1		30	36	7.5	E	1, 2" SST	X	X	
X	29	16+50.00	MD	R3-7		36	36	9.0	W	1, 2" SST	X	X	Medion
X	29	16+50.00	MD	OM1-1		18	18	2.3	W	1, 2" SST	X	X	Medion - beneath Left Lane must turn Left
X	30	17+25.00	RT	R3-1		36	36	9.0	W	1, 2" SST	X	X	
X	30	17+25.00	RT	OM2-2V		9	18	1.1	W	1, 2" SST	X	X	Beneath No RT
X	31	17+50.00	MD	R3-2		36	36	9.0	E	1, 2" SST	X	X	Medion
X	31	17+50.00	MD	OM1-1		18	18	2.3	E	1, 2" SST	X	X	Medion - beneath No LT
X	32	17+50.00	LT	R3-2		36	36	9	E	Over-head	X	X	Signal Arm - Signal B
X	32	17+50.00	LT	D3-1B		91	30	19.0	E	Over-head	X	X	Signal Arm - Signal B
X	32	17+50.00	LT	R6-2R		30	36	7.5	E	Over-head	X	X	Signal Arm - Signal B
X	32	17+50.00	LT	R3-6R		30	36	7.5	E	Over-head	X	X	Signal Arm - Signal B
X	32	17+50.00	LT	R10-3e		9	15	0.9	S	Signal Post	X	X	Signal Post - Signal B
X	32	17+50.00	LT	R10-3e		9	15	0.9	E	Signal Post	X	X	Signal Post - Signal B
X	33	17+50.00	RT	R10-3e		9	15	0.9	N	Signal Post	X	X	Signal Post - Signal 12
X	33	17+50.00	RT	R10-3e		9	15	0.9	E	Signal Post	X	X	Signal Post - Signal 12
X	34	17+75.00	LT	R3-6L		30	36	7.5	S	Over-head	X	X	Signal Arm - Signal 9
X	34	17+75.00	LT	D3-1B		85	30	17.7	S	Over-head	X	X	Signal Arm - Signal 9
X	34	17+75.00	LT	R3-6R		30	36	7.5	S	Over-head	X	X	Signal Arm - Signal 9
X	35	18+50.00	LT	R10-3e		9	15	0.9	S	Signal Post	X	X	Signal Post - Signal 9
X	35	18+50.00	LT	R10-3e		9	15	0.9	W	Signal Post	X	X	Signal Post - Signal 9
X	36	18+50.00	RT	R6-1L		54	18	6.8	W	Signal Post	X	X	Signal Post - Signal 10
X	36	18+50.00	RT	R3-5L		30	36	7.5	W	Over-head	X	X	Signal Arm - Signal 10




STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
**92ND AVENUE GRADE SEPARATION  
PROJECT**  
SIGN SUMMARY

NO.	DATE	REVISIONS DESCRIPTION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	UAA CE-438	2013	K5	K9

**SIGN SUMMARY - 92ND AVENUE**

SHEET NO.	POST NO.	STA.	CL REF.	TYPE	LEGEND	SIZE		AREA (sf)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS
						WIDTH (ft)	HEIGHT (in)				FRAMED YES	NO	
X	36	18+50.00	RT	D3-1B	STREET NAME Brayton Dr	91	30	19.0	W	Over-head	X	X	Signal Arm - Signal 10
X	36	18+50.00	RT	R6-2L	ONE WAY ←	30	36	7.5000	W	Over-head	X	X	Signal Arm - Signal 10
X	36	18+50.00	RT	R3-1		36	36	9	W	Over-head	X	X	Signal Arm - Signal 10
X	36	18+50.00	RT	R10-3e		9	15	0.9000	N	Signal Post	X	X	Signal Post - Signal 10
X	36	18+50.00	RT	R10-3e		9	15	0.9000	W	Signal Post	X	X	Signal Post - Signal 10
X	37	21+00.00	RT	W4-2		36	36	9	W	1, 2" SST	X	X	
X	38	23+50.00	LT	R8-3		30	30	6.3000	E	1, 2" SST	X	X	




STATE OF ALASKA  
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92ND AVENUE GRADE SEPARATION  
PROJECT

SIGN SUMMARY

NO.	DATE	REVISIONS DESCRIPTION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	UAA CE-438	2013	K6	K9

**SIGN SUMMARY - N.B. NEW SEWARD HIGHWAY OFF RAMP**

SHEET NO.	POST NO.	STA.	CL. REF.	TYPE	LEGEND	SIZE		AREA (sf)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS
						WIDTH (ft)	HEIGHT (in)				FRAMED YES	NO	
X	39	6+25.00	RT	E4-11	ADV STREET NAME Broyton Dr	91	72	45.5	S	2, 2", SST	X	X	Directional Arrow
X	40	9+25.00	LT	E5-1		60	60	25.0	S	1, 2", SST	X	X	Directional Arrow
X	41	9+75.00	RT	W13-2	 35 EXIT	36	46	11.5	S	1, 2", SST	X	X	
X	42	12+75.00	RT	W4-1		36	36	9.0	S	1, 2", SST	X	X	

**NOTES**

- Ramps use NSH Stations.



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 92ND AVENUE GRADE SEPARATION  
 PROJECT  
 SIGN SUMMARY


NO.	DATE	REVISIONS	DESCRIPTION

STATE	ALASKA	PROJECT DESIGNATION	UAA CE-438	YEAR	2013	SHEET NO.	K7	TOTAL SHEETS	K9
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**SIGN SUMMARY - S.B. NEW SEWARD HIGHWAY OFF RAMP**

SHEET NO.	POST NO.	STA.	CL. REF.	TYPE	LEGEND	SIZE		AREA (sf)	SIGN FACES	POSTS NO., SIZE & TYPE	THICKNESS (in)		REMARKS
						WIDTH (ft)	HEIGHT (ft)				FRAMED	NO	
X	43	35+75.00	RT	E4-11	ADV STREET NAME 92nd Ave	85	72	42.5	N	2, 2", SST	X	X	
X	44	29+00.00	LT	E5-1		60	60	25.0	N	1, 2", SST	X	X	
X	45	28+50.00	RT	W13-2	35 EXIT	36	46	11.5	N	1, 2", SST	X	X	
X	46	27+00.00	RT	R3-B S-L/R/ R	ADV INT LANE CONTROL Shared-Left/Right/Right	108	30	22.5	N	2, 2", SST	X	X	
X	47	23+50.00	RT	W11-2		30	30	6.3	N	1, 2", SST	X	X	
X	47	23+50.00	RT	W16-7		24	12	2.0	N	1, 2", SST	X	X	
X	48	23+25.00	LT	W3-3		30	30	6.3	N	1, 2", SST	X	X	
X	49	23+00.00	LT	R5-1a		42	30	8.8	S	1, 2", SST	X	X	
X	50	22+50.00	LT	R5-1		36	36	9.0	S	1, 2", SST	X	X	
X	51	22+50.00	RT	R5-1		36	36	9.0	S	1, 2", SST	X	X	

**NOTES**  
1. Ramps use NSH Stations.



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

92ND AVENUE GRADE SEPARATION  
PROJECT

SIGN SUMMARY

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	K8	K9

**SIGN SUMMARY - S.B. NEW SEWARD HIGHWAY ON RAMP**

SHEET NO.	POST NO.	STA.	CL REF.	TYPE	LEGEND	SIZE		AREA (sf)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS
						WIDTH (ft)	HEIGHT (ft)				FRAMED YES	NO	
X	52	20+50.00	RT	R5-10b	NO PREFERENTIAL OR BICYCLES	30	18	3.8	N	1, 2", SST	X	X	
X	53	11+00.00	LT	W4-1	↑	36	36	9.0	N	1, 2", SST	X	X	
X	54	11+00.00	RT	W4-1	↑	36	36	9.0	N	1, 2", SST	X	X	

**NOTES**




1. Ramps use NSH Stations.




STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
92ND AVENUE GRADE SEPARATION  
PROJECT  
SIGN SUMMARY

NO.	DATE	REVISIONS DESCRIPTION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	UAA CE-438	2013	K9	K9

**SIGN SUMMARY - BRAYTON DRIVE**

SHEET NO.	POST NO.	STA.	CL REF.	TYPE	LEGEND	SIZE		AREA (sf)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS
						WIDTH (ft)	HEIGHT (in)				FRAMED YES	NO	
X	55	19+00.00	RT	WS-2		30	30	6.3	S	1, 2", SST	X	X	
X	56	17+25.00	RT	R1-2		36	36	4.5	S	1, 2", SST	X	X	
X	57	15+00.00	RT	R2-1		30	36	7.5	S	1, 2", SST	X	X	
X	58	6+00.00	RT	R2-1		30	36	7.5	S	1, 2", SST	X	X	



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

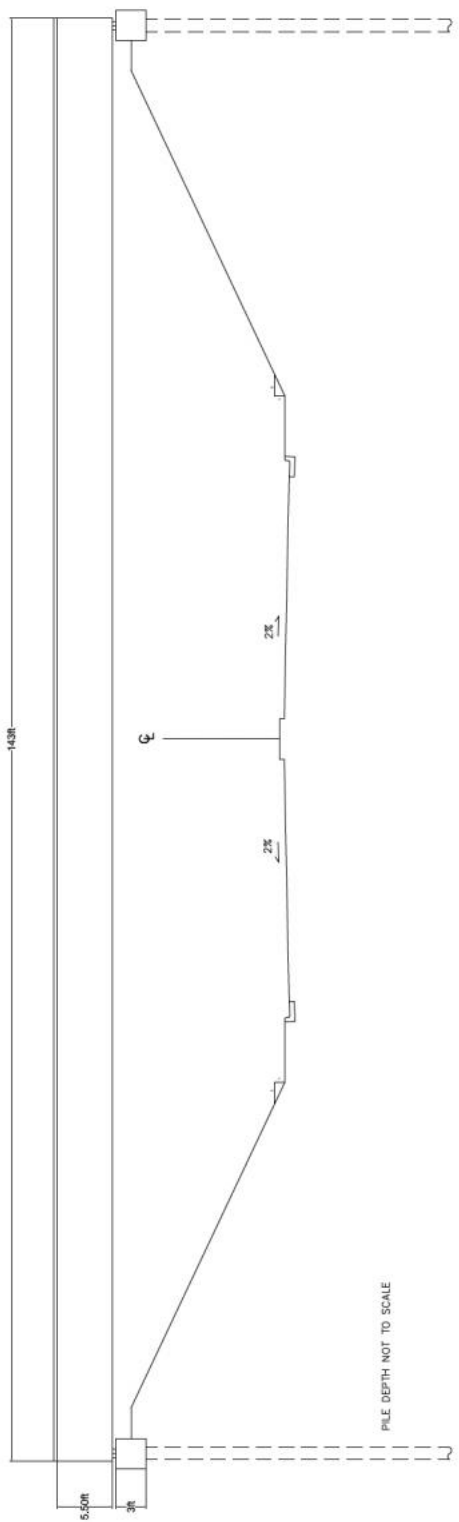
92ND AVENUE GRADE SEPARATION  
PROJECT

SIGN SUMMARY

REVIEWS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	N1	N3

NO.	DATE	DESCRIPTION

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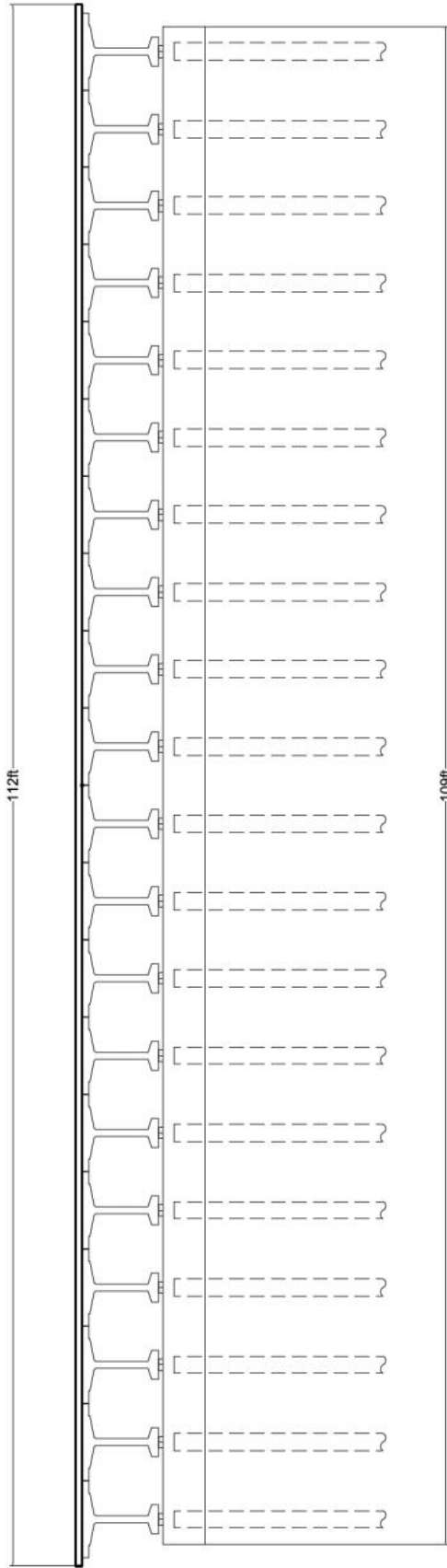



STATE OF ALASKA  
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92ND AVENUE GRADE SEPARATION  
PROJECT

BRIDGE DETAIL

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	N2	N3





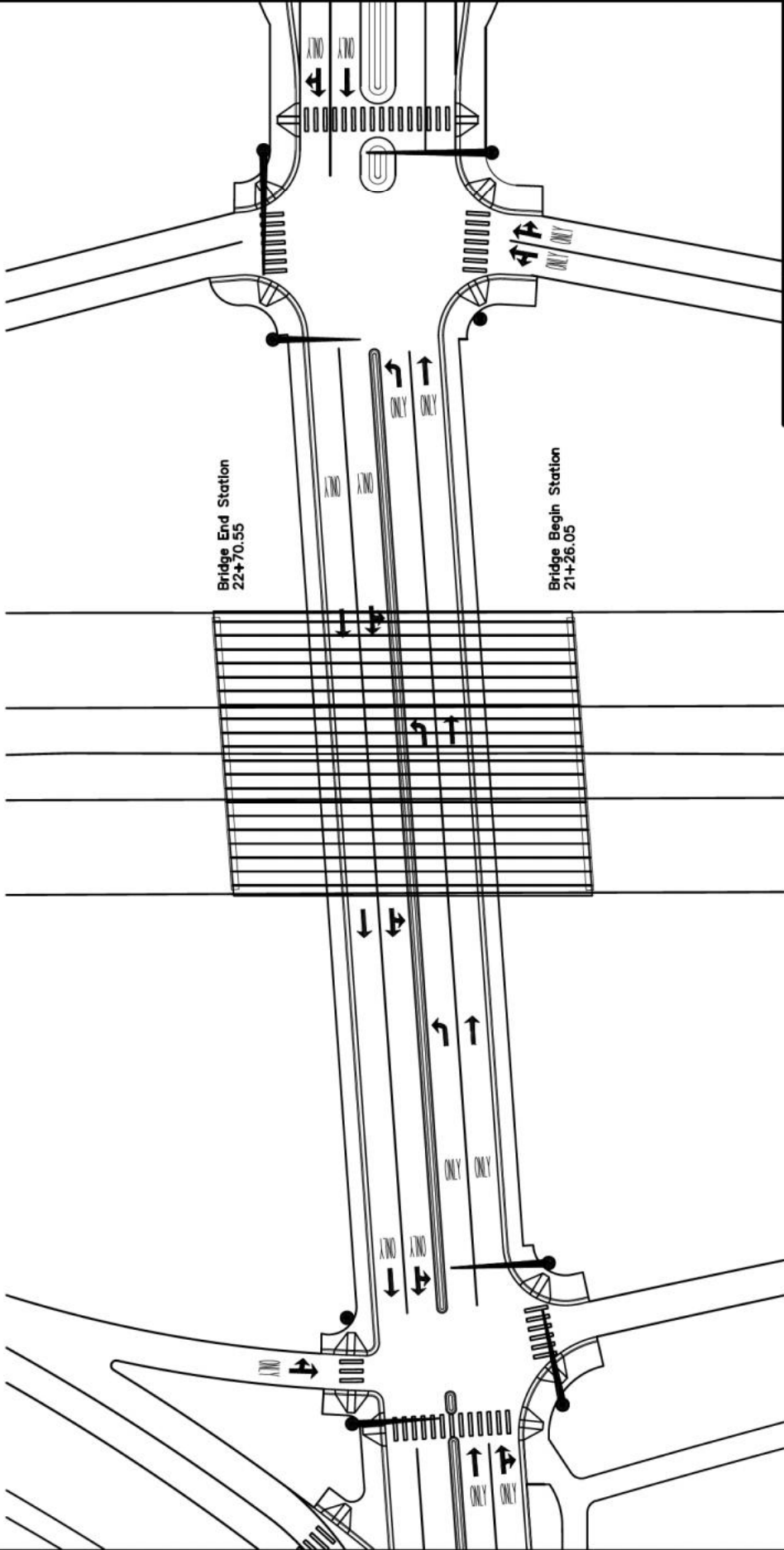
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

**92ND AVENUE GRADE SEPARATION  
PROJECT**

**BRIDGE DETAIL**



REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	UAA CE-438	2013	N3	N3



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
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92ND AVENUE GRADE SEPARATION  
PROJECT

BRIDGE DETAIL

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

NO.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
		DESCRIPTION	ALASKA	UAA CE-438	2013	UD1	UD2

Structure No.	Station	Offset, FT	Remarks
S400	28+59.35	RT 26.14	
S401	27+13.62	LT 26.65	
S402	24+53.32	LT 26.91	
S403	24+53.32	RT 27.60	
S404	21+31.24	LT 33.05	
S405	21+31.24	RT 30.30	
S406	18+35.03	LT 63.55	
S407	18+30.28	RT 67.35	
S408	18+03.88	RT 31.10	
S409	18+02.82	LT 36.86	
G400	14+7.51	RT 199.88	Oil and Grit Separator
S410	13+62.47	RT 32.24	Adjust. to HDL System
S411	13+38.71	LT 29.19	Adjust. to HDL System
S412	13+09.14	RT 57.87	Adjust. to HDL System
R400	12+16.77	RT 81.92	Rip-rarian Weir
S413	11+92.45	LT 49.96	Adjust. to HDL System
R401	9+40.01	RT 90.42	Rip-rarian Weir

Pipe No.	Size, IN	Length, FT	Inlet Structure	Outlet Structure	Remarks
P400	18	155.04	S401	S400	
P401	24	405.05	S400	S403	
P402	18	54.51	S402	S403	
P403	24	321.14	S403	S405	
P404	18	64.04	S404	S405	
P405	24	326.48	S405	S408	
P406	18	41.61	S407	S408	
P407	18	41.85	S406	S409	
P408	18	71.97	S409	S408	
P409	24	356.51	S408	G400	Connection to OGS
C400	36	52.48	G400	POND	Culvert, OGS to Pond
C401	36	-	POND	POND	Connects Seperate Ponds



STATE OF ALASKA  
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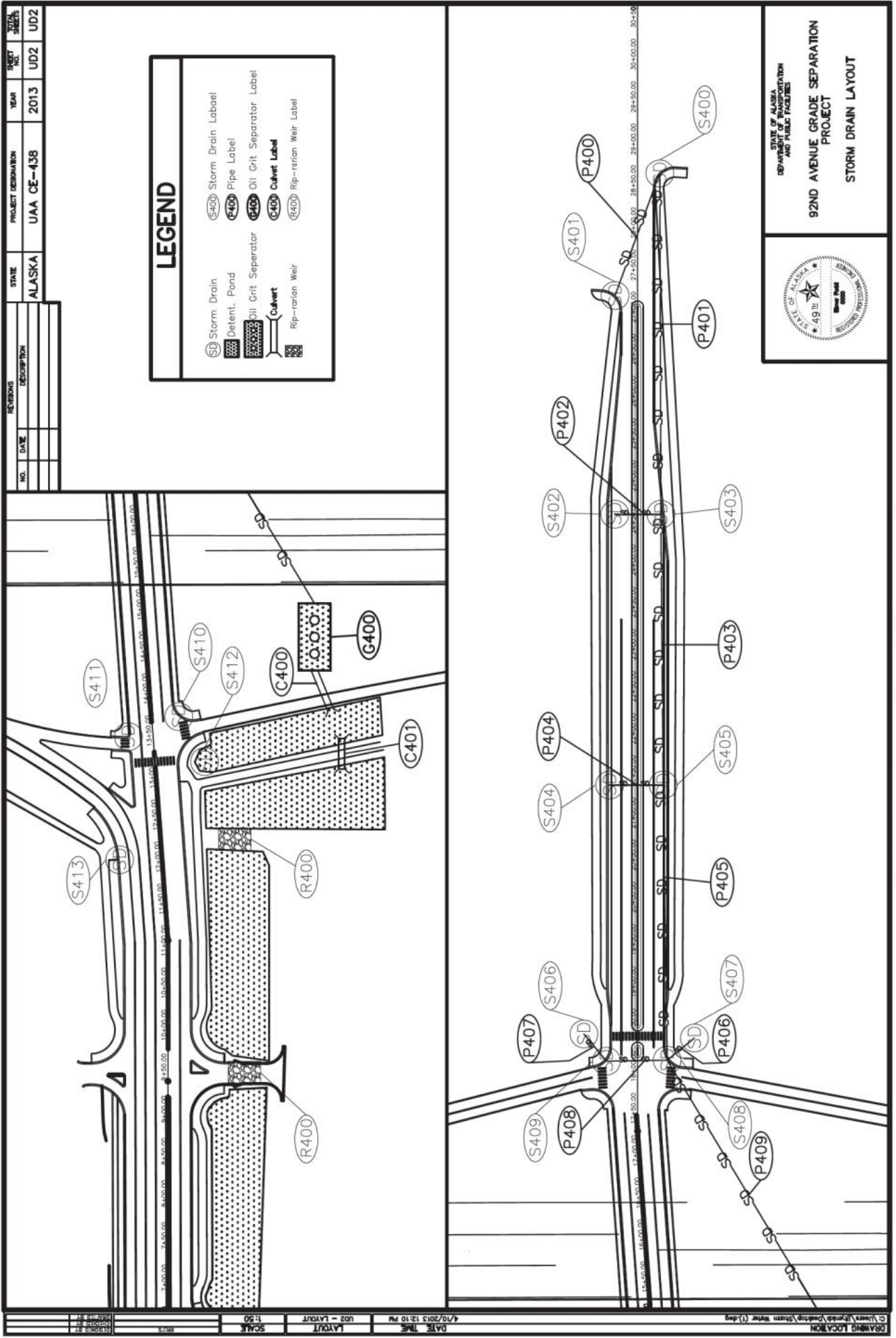
92ND AVENUE GRADE SEPARATION  
PROJECT

STORM DRAIN SUMMARY

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

DRAWING LOCATION	DATE TIME	LAYOUT	SCALE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



STATE OF ALASKA  
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92ND AVENUE GRADE SEPARATION  
PROJECT

STORM DRAIN LAYOUT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

DATE TIME	4/10/2013 12:10 PM
LAYOUT	102 - LAYOUT
SCALE	1:50
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