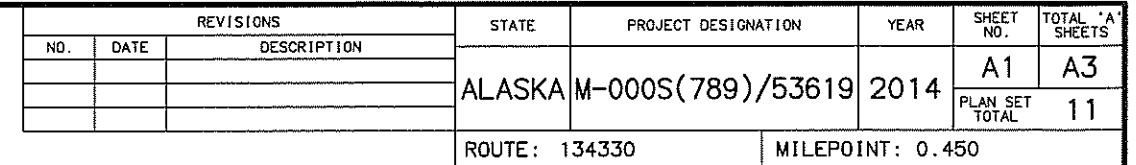
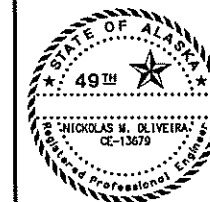


[illegible]

Map of the project area in Minneapolis, MN. The map shows a grid of streets including W. 5th Ave., W. 10th Ave., W. 15th Ave., W. 17th Ave., W. 36th Ave., E. Benson Blvd., Minnesota Dr., Arctic Blvd., Fireweed Ln., L St., I St., E St., C St., A St., Gambell St., and Ingraham St. The project area is highlighted in yellow and runs from W. 17th Ave. to W. 5th Ave. The project starts at STA 9+43.12 and ends at STA 71+34. A north arrow is located in the top left corner, and a scale bar is in the top right corner.

PROJECT SUMMARY		
ROADWAY SECTION	PAVEMENT WIDTH	LENGTH
ARCTIC BOULEVARD	33 FT	0.5 MILES
17TH AVENUE	33 FT	0.2 MILES
E STREET	32-33 FT	0.5 MILES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES



APPROVED:

REGIONAL PRE-CONSTRUCTION ENGINEER	DATE
------------------------------------	------

CONCUR:

DIRECTOR, DESIGN & CONSTRUCTION _____ DATE _____
CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:

CONSTRUCTION PROJECT MANAGER _____ DATE _____

PRE-PS&E REVIEW 9/13/2013
DESIGNED BY: HATTENBURG DILLEY & LINNELL

H:\Jobs\12-012 MOA Civil Engineering Term Agreement\05-Arctic Blvd Bicycle Lane Upgrade\Drawings\2012_05-A02_1-1_09/13/13 at 08:34:44\05-A02-A01\05-A02-A01.dwg
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DESIGNED BY
CHECKED BY
DATE TO BY

SCALE
1"=50'

LAYOUT
MODEL

DATE
TIME

DATE
TIME

DATE
TIME

DATE
TIME

DATE
TIME

DATE
TIME

REVISIONS		
NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	M-000S(789)/53619	2014	A2	A3

ABBREVIATIONS

A.A.D.T.	AVERAGE ANNUAL DAILY TRAFFIC
ADOT	ALASKA DEPARTMENT OF TRANSPORTATION
BOP	BEGINNING OF PROJECT
CF	CUBIC FEET
CL	CENTERLINE
CS	CONTINGENT SUM
CY	CUBIC YARD
DHV	DESIGN HOUR VOLUME
DIA	DIAMETER
E	EAST
EA	EACH
EAL	EQUIVALENT AXLE LOAD
EOP	END OF PROJECT
F.O.C.	FACE OF CURB
FT	FEET
GAL	GALLON
IN	INCH
L	LENGTH
LB	POUND
LF	LINEAR FOOT
LH	LABOR HOUR
LN	LANE
LS	LUMP SUM
LT	LEFT
ME	MATCH EXISTING
N	NORTH
NB	NORTHBOUND
NE	NORTH EAST
NTS	NOT TO SCALE
NW	NORTH WEST
O.C.	ON CENTER
R	RADIUS
REQ'D	REQUIRED
ROW	RIGHT OF WAY
RT	RIGHT
S	SOUTH
SB	SOUTHBOUND
SE	SOUTH EAST
SF	SQUARE FOOT
ST	STREET
STA	STATION
SW	SOUTH WEST
SY	SQUARE YARD
TBC	TOP BACK OF CURB
TER	TERRACE
TYP	TYPICAL
V	VELOCITY
W	WEST
Y	WHITE
YD	YELLOW
YD	YARD

GENERAL NOTES:

- BICYCLE LANE WIDTHS SHALL BE 5 FT WIDE MEASURED FROM LIP OF CURB TO 4 INCH WHITE STRIPE.
- LEFT TURN LANE WIDTHS SHALL BE 11 FT WIDE MEASURED FROM 8 INCH WHITE STRIPE TO THE CENTER OF 2 - 4 INCH YELLOW STRIPE WITH THE EXCEPTION OF;
 - THE SB ARCTIC BOULEVARD LEFT TURNING LANE AT FIREWEED LANE SHALL BE A WIDTH OF 10 FT WIDE MEASURED FROM LIP OF CURB TO 8 INCH WHITE STRIPE.
- ALL VEHICLE LANE WIDTHS WILL VARY FROM 11 FT TO 11.5 FT.

INDEX

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	INDEX, GENERAL NOTES, AND ABBREVIATIONS
A3	LEGEND/SYMBOLS
C1	ESTIMATE OF QUANTITIES
E1	DETAIL SHEET
H1-H5	SIGNING AND STRIPING
H6	SIGN SUMMARY, SALVAGE SIGN SUMMARY, AND NOTES

THE FOLLOWING REGIONAL DRAWINGS
APPLY TO THIS PROJECT:
CR-T-01.00

THE FOLLOWING STANDARD DRAWINGS
APPLY TO THIS PROJECT:

S-00.11, S-01.00, S-05.01, S-20.10, S-23.00,
S-30.03, S-31.01
T-20.03, T-21.03, T-22.03, T-23.00

PRE-PS&E REVIEW 9/13/2013



HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ARCTIC BOULEVARD BICYCLE LANES
FIREWEED LANE TO 10TH AVENUE

INDEX, GENERAL NOTES,
AND ABBREVIATIONS

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DATE TIME
09/08/2013 03:52 PM

LAYOUT MODEL

SCALE
1"=50'

SHEETS

DESIGNED BY
CHECKED BY
DRAFTED BY

UTILITIES

EXISTING PROPOSED

PIPELINES:

STORM DRAIN STRUCTURE AND
PIPE NUMBERS, APPLICABLE IF
SHOWN

STORM DRAIN

MANHOLE STORM DRAIN

CURB INLET CATCH BASIN

FIELD INLET CATCH BASIN

PIPE CULVERT w/ END SECTION

CLEANOUT

SANITARY SEWER

MANHOLE SANITARY SEWER

SEPTIC VENTS

WATER

FIRE HYDRANT

WELL

VALVE OR RISER

NATURAL GAS

OIL OR GASOLINE PIPELINE

ELECTRIC
(OVERHEAD)
(DIRECT BURY)
(OVERHEAD)

UTILITY POLE

UTILITY POLE WITH LUMINAIRE

GUY POLE

GUY WIRE ANCHOR

TRANSMISSION TOWER [WOOD]

TRANSMISSION TOWER [STEEL]

ELECTRICAL PEDESTAL

ELECTRICAL TRANSFORMER

ELECTRIC METER

ELECTRICAL OUTLET

ELECTRIC MANHOLE

TELEPHONE
(OVERHEAD)
(DIRECT BURY)
(DIRECT BURY)

TELEPHONE PEDESTAL

TELEPHONE MANHOLE

FIBER OPTIC

FIBER OPTIC MANHOLE

CABLE TV
(OVERHEAD)
(DIRECT BURY)

CABLE T.V. PEDESTAL

SATELLITE DISH

U.G. DUCT (E, T, FO)

UTILITIES

EXISTING PROPOSED

ELECTROLIER

HIGHTOWER

SIGNAL POLE WITH MAST

PEDESTRIAN PUSH BUTTON

RURAL BEACON

SCHOOL ZONE BEACON

RIGHT OF WAY

PRIMARY CENTERLINE MONUMENT

SECONDARY CENTERLINE MONUMENT

PROJECT RIGHT-OF-WAY LINES

CONTROLLED ACCESS LINE

TEMPORARY CONSTRUCTION
EASEMENT/PERMIT

PROJECT CENTERLINE

RAILROAD CENTERLINE

EXISTING TOPOGRAPHY

CONIFER TREE OR TREES

DECIDUOUS TREE OR TREES

SHRUB OR SHRUBS

WETLANDS

CREEK

RIVER

LAKE / POND

EXISTING/PROPOSED

DRAINAGE FLOW

CONTOURS - MAJOR

CONTOURS - MINOR

MISCELLANEOUS

EXISTING PROPOSED

BUILDING

TANKS
ABOVE GROUND
UNDERGROUND

PRIVATE SIGN

POST/BOLLARDS

MAILBOX

TRAFFIC SIGN

TRAFFIC SIGN POST #

VENT

ROADWAY

EXISTING PROPOSED

ROADWAY OBLITERATION

LIMIT OF CUT SLOPE

LIMIT OF FILL SLOPE

EDGE OF PAVEMENT

CONCRETE CURB

CONCRETE CURB & GUTTER

CONCRETE CURB CUT

SIDEWALK

CURB RAMPS

PARALLEL CURB RAMP

PERPENDICULAR CURB RAMP

MID-BLOCK CURB RAMP

UNIDIRECTIONAL CURB RAMP

DETECTABLE WARNING TILES

DRIVEWAY APPROACH

GRAVEL EDGE

PATH / TRAIL

BRIDGE

TUNNEL

NOISE BARRIER

FENCE

RETAINING WALL

HEAD & WINGWALLS

GUARDRAIL

END SECTION

PARALLEL GUARDRAIL SECTION

SPECIAL DITCH

BOTTOM OF DITCH

RIPRAP

BOULDER OR BOULDERS

REVISIONS

NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	M-000S(789)/53619	2014	A3	A3

STRIPING

PROPOSED

8" WHITE SOLID STRIPE

8"W

4" WHITE SOLID STRIPE

4"W

4" WHITE SKIP STRIPE
10' STRIPES AND 30' SPACES

4"W SKIP

8" WHITE LANE GUIDE SKIP
LANE CONTINUATION OR TURN SKIP
1' STRIPES AND 3' SPACES

8"W GUIDE SKIP

8" YELLOW SOLID STRIPE

8"Y

4" YELLOW SOLID STRIPE

4"Y

4" YELLOW SKIP STRIPE
10' STRIPES AND 30' SPACES

4"Y SKIP

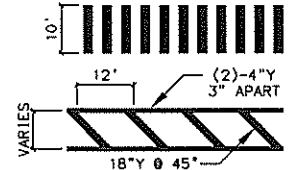
STRIPING CHANGE STATION INTERVAL

+20

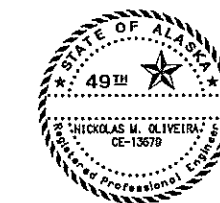
2' CROSSWALK OR STOPBAR

LADDER CROSSWALK LAYOUT
2' WIDE RUNGS WITH 2' SPACES
ALIGNED TO AVOID TIRE PATHS

TYPICAL PAINTED MEDIAN



PRE-PS&E REVIEW 9/13/2013



HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ARCTIC BOULEVARD BICYCLE LANES
FIREWEED LANE TO 10TH AVENUE

LEGEND/SYMBOLS

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DATE TIME
09/08/2013 11:27 PM

LAYOUT MODEL
SCALE 1"=50'

DESIGNED BY DAD
CHECKED BY DAD
DRAFTED BY DAD

REVISIONS

NO. DATE DESCRIPTION

STATE PROJECT DESIGNATION YEAR SHEET NO. TOTAL SHEETS

ALASKA M-000S(789)/53619 2014 C1 C1

ESTIMATE OF QUANTITIES

ITEM NO	ITEM DESCRIPTION	PAY UNIT	TOTALS
615 (1)	STANDARD SIGN	SF	113
615 (6)	SALVAGE SIGN	EA	5
640 (1)	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D
641 (1)	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	LS	ALL REQ'D
641 (2)	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	CS	ALL REQ'D
641 (6)	WITHHOLDING	CS	ALL REQ'D
641 (7)	SWPPP MANAGER	LS	ALL REQ'D
643 (2)	TRAFFIC MAINTENANCE	LS	ALL REQ'D
643 (23)	TRAFFIC PRICE ADJUSTMENT	CS	ALL REQ'D
643 (25)	TRAFFIC CONTROL	CS	ALL REQ'D
670 (10B)	MMA PAVEMENT MARKINGS, SYMBOLS AND ARROWS SURFACE APPLIED	EA	2
670 (10D)	MMA PAVEMENT MARKINGS, LONGITUDINAL INLAID	LF	18,400
670 (10E)	MMA PAVEMENT MARKINGS, SYMBOLS AND ARROWS INLAID	EA	53
670 (10F)	MMA PAVEMENT MARKINGS, TRANSVERSE AND GORE INLAID	LF	5,750

PRE-PS&E REVIEW 9/13/2013

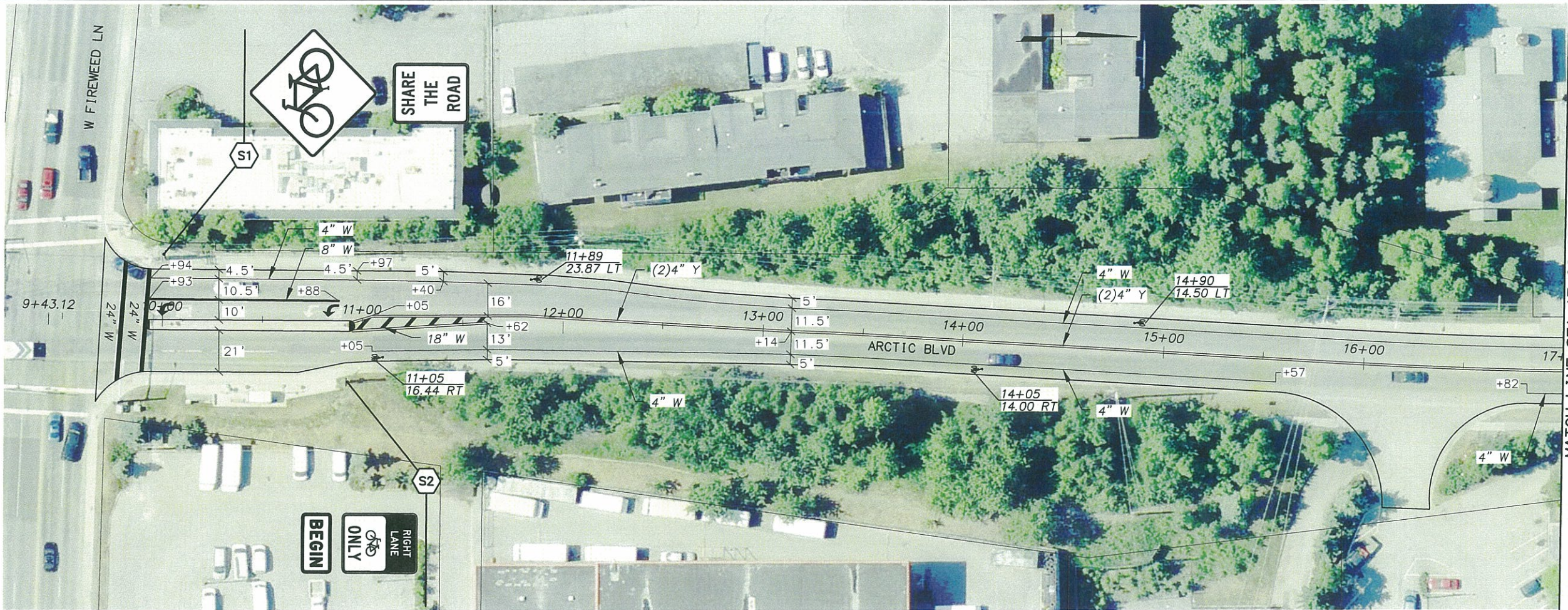


HATTENBURG DILLEY & LINNELL

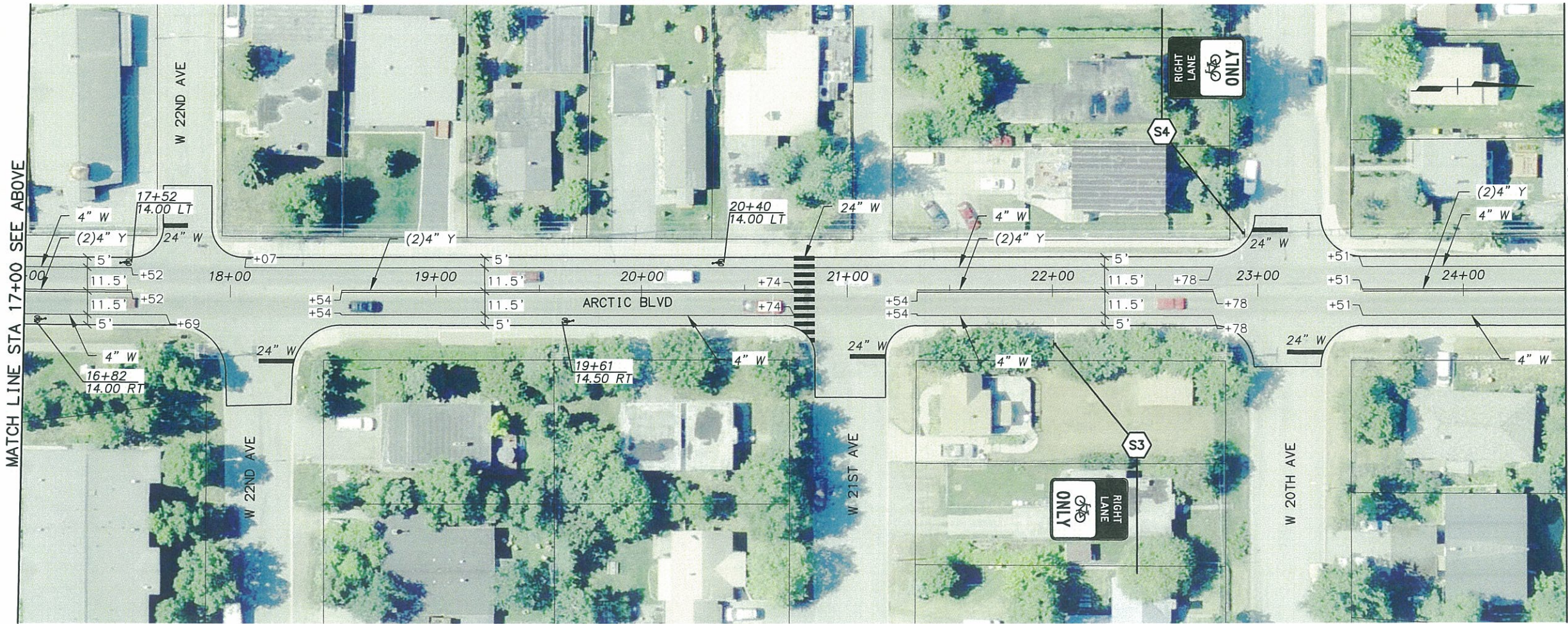
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ARCTIC BOULEVARD BICYCLE LANES
FIREWEED LANE TO 10TH AVENUE

ESTIMATE OF QUANTITIES



MATCH LINE STA 17+00 SEE BELOW



MATCH LINE STA 24+50 SHEET H2

SHEET NO.		TOTAL SHEETS	
H1		H6	
STATE		YEAR	
ALASKA		2014	
PROJECT DESIGNATION			
M-000S(789)/53619			
ADDENDUM NO.			
ATTACHMENT NO.			
REVISIONS			
NO.	DATE	DESCRIPTION	

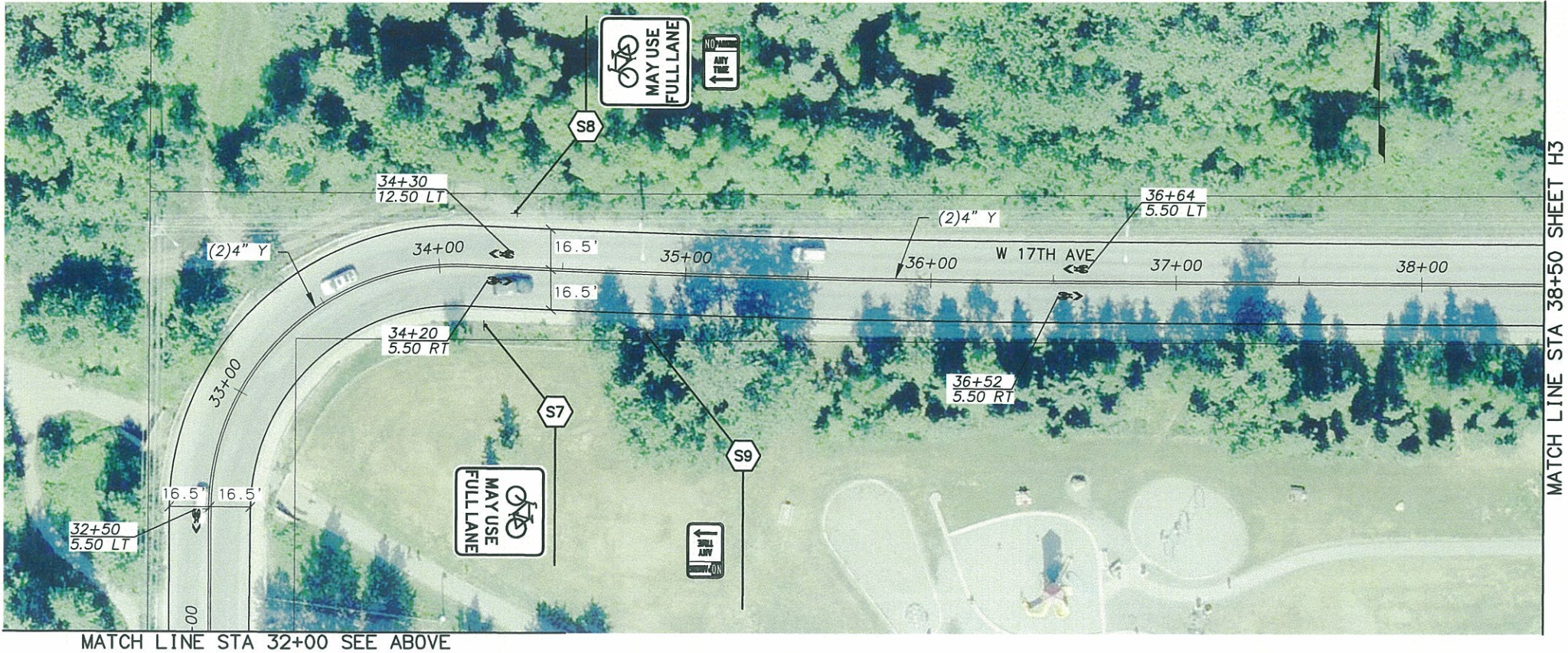
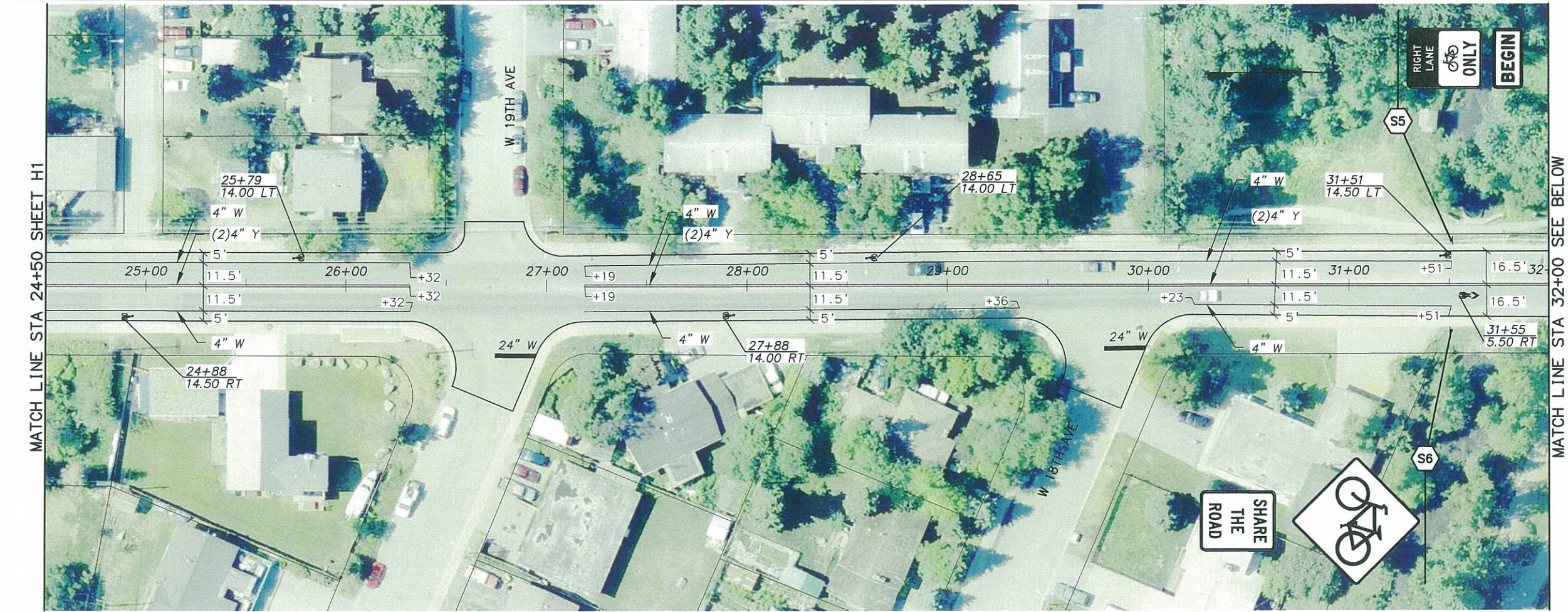
9/13/13
PRE-PS&E REVIEW

HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ARCTIC BOULEVARD BICYCLE LANE
FIREWEED LANE TO 10TH AVENUE

ARCTIC BOULEVARD
SIGNING AND STRIPING
9+43.12 TO 24+50



SHEET NO.		TOTAL SHEETS	
H2		H6	
STATE		YEAR	
ALASKA		2014	
PROJECT DESIGNATION			
M-000S(789)/53619			
ADDENDUM NO.			
ATTACHMENT NO.			
REVISIONS			
NO.	DATE	DESCRIPTION	

9/13/13
PRE-PS&E REVIEW

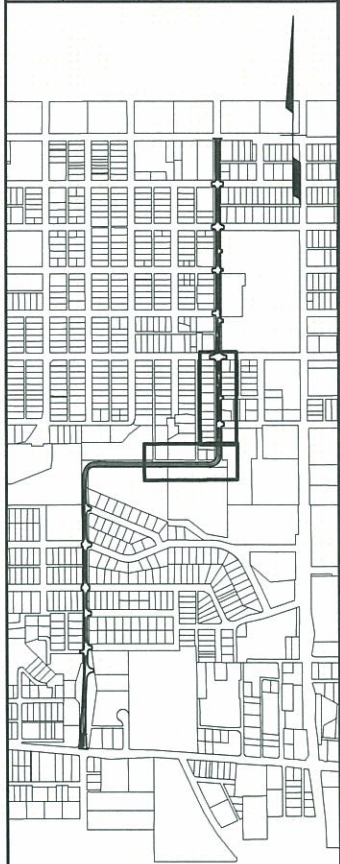
HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ARCTIC BOULEVARD BICYCLE LANE
FIREWEED LANE TO 10TH AVENUE

ARCTIC BOULEVARD
SIGNING AND STRIPING
24+50 TO 38+50

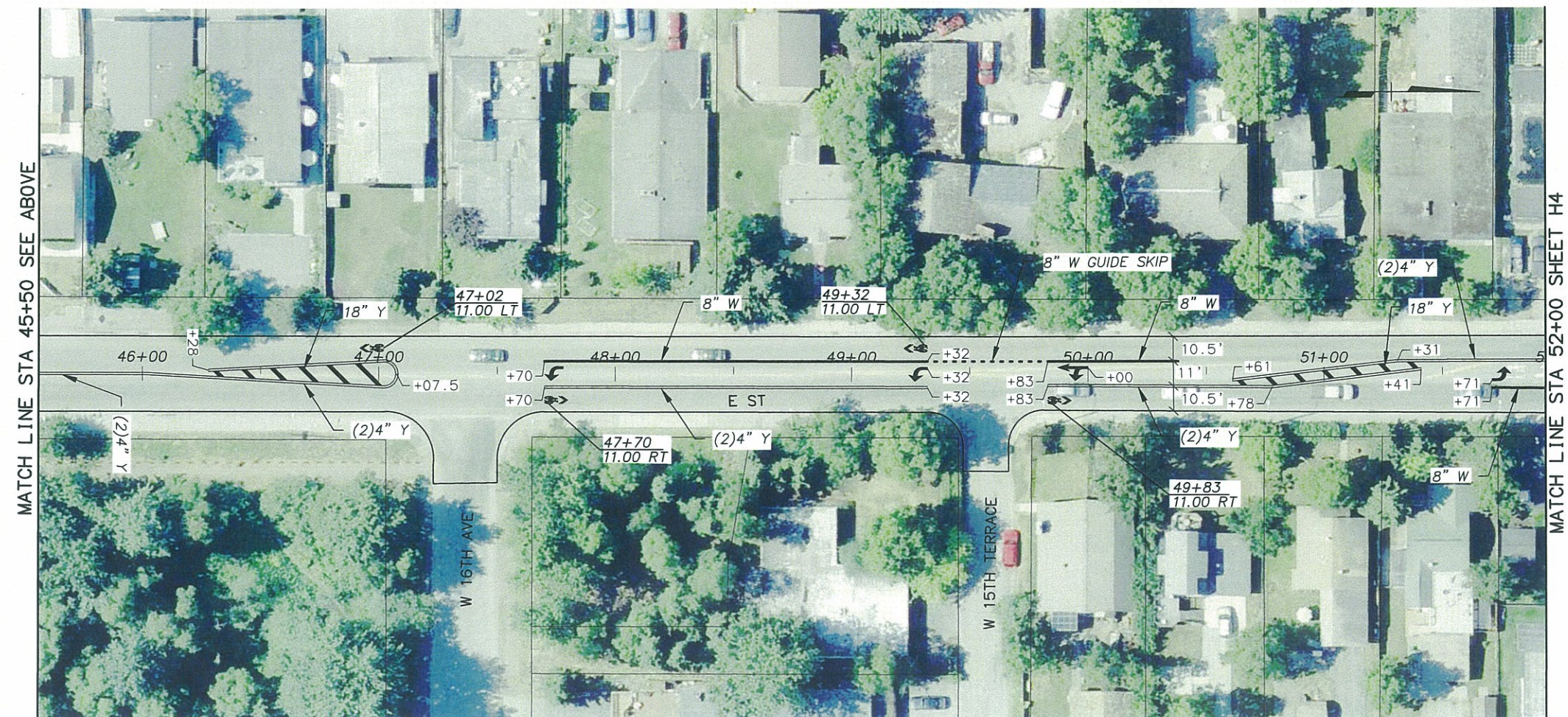
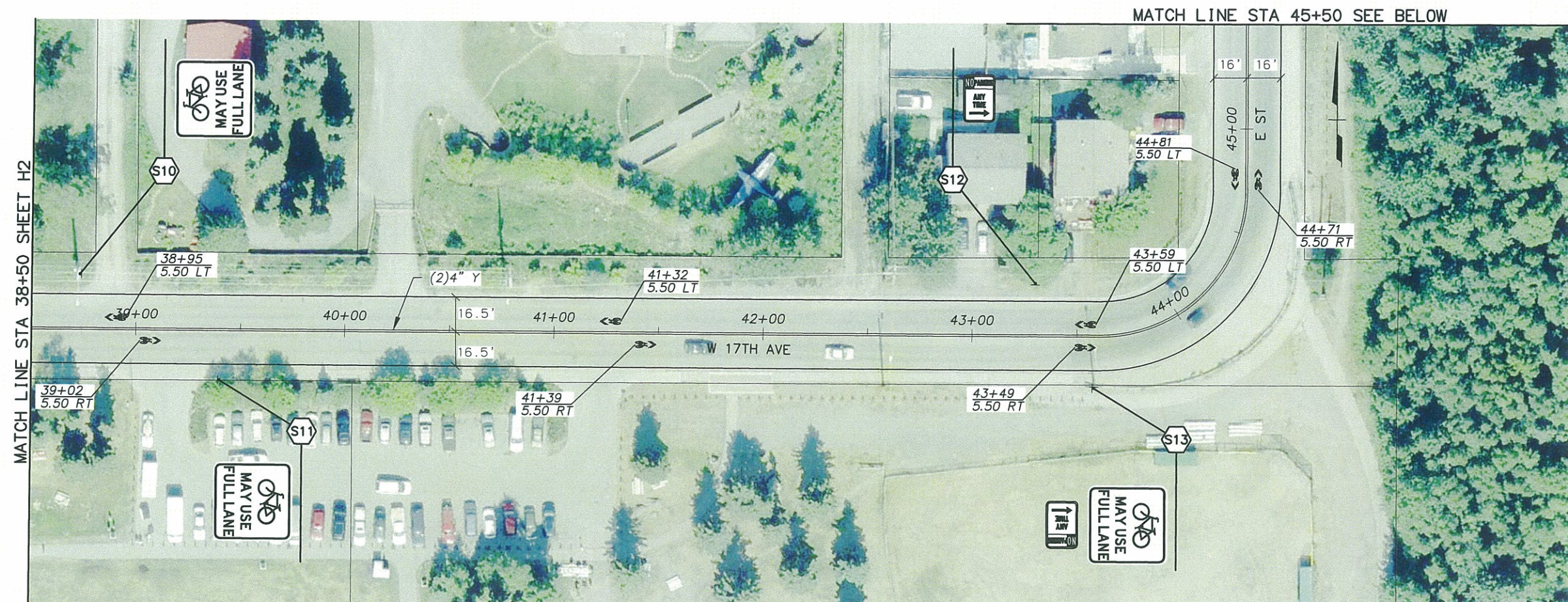
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H3		H6	
STATE		YEAR	
ALASKA		2014	
PROJECT DESIGNATION			
M-000S(789)/53619			
ADDENDUM NO.			
ATTACHMENT NO.			
REVISIONS			
NO.	DATE	DESCRIPTION	



9/13/13
PRE-PS&E REVIEW

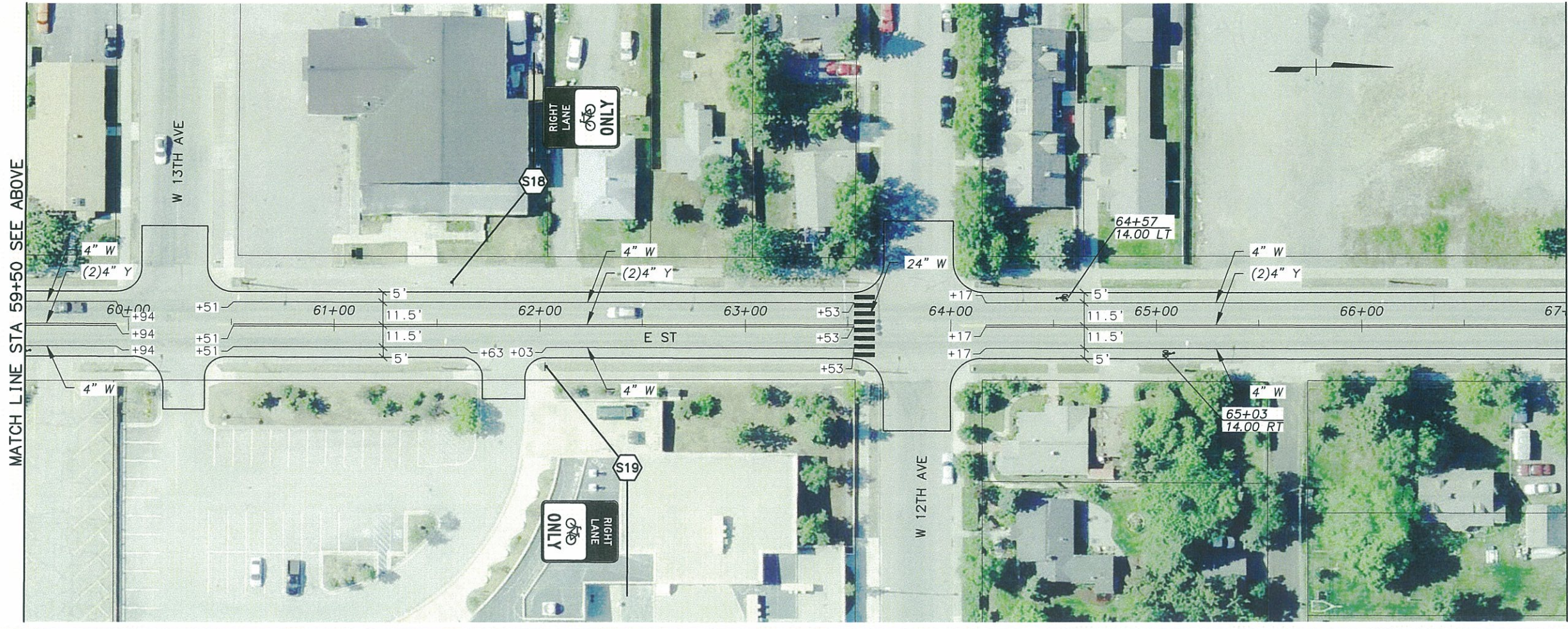
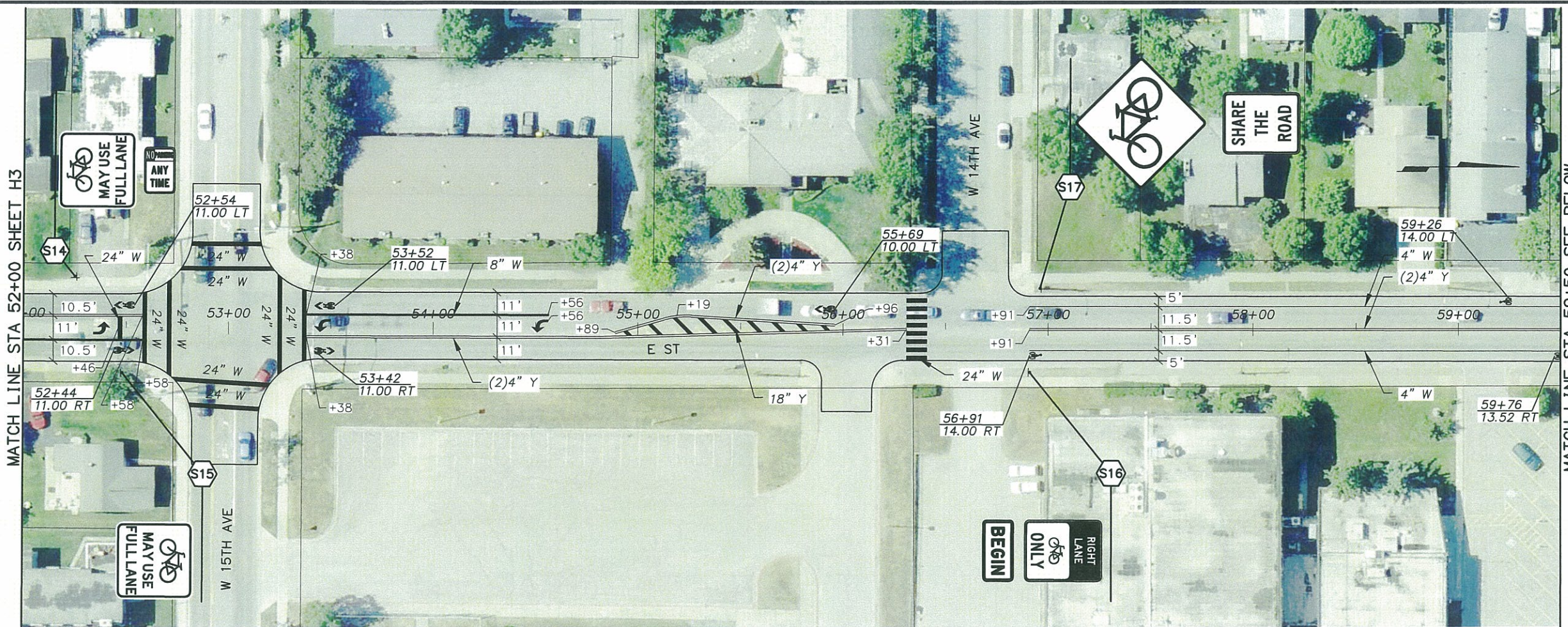


HATTENBURG DILLEY & LINNELL
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
ARCTIC BOULEVARD BICYCLE LANE
FIREWEED LANE TO 10TH AVENUE
ARCTIC BOULEVARD
SIGNING AND STRIPING
38+50 TO 52+00



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						DRAWN BY
						DAD



SHEET NO.		TOTAL SHEETS	
H4		H6	
STATE		YEAR	
ALASKA		2014	
PROJECT DESIGNATION			
M-000S(789)/53619			
ADDENDUM NO.			
ATTACHMENT NO.			
REVISIONS			
NO.	DATE	DESCRIPTION	

9/13/13
PRE-PS&E REVIEW

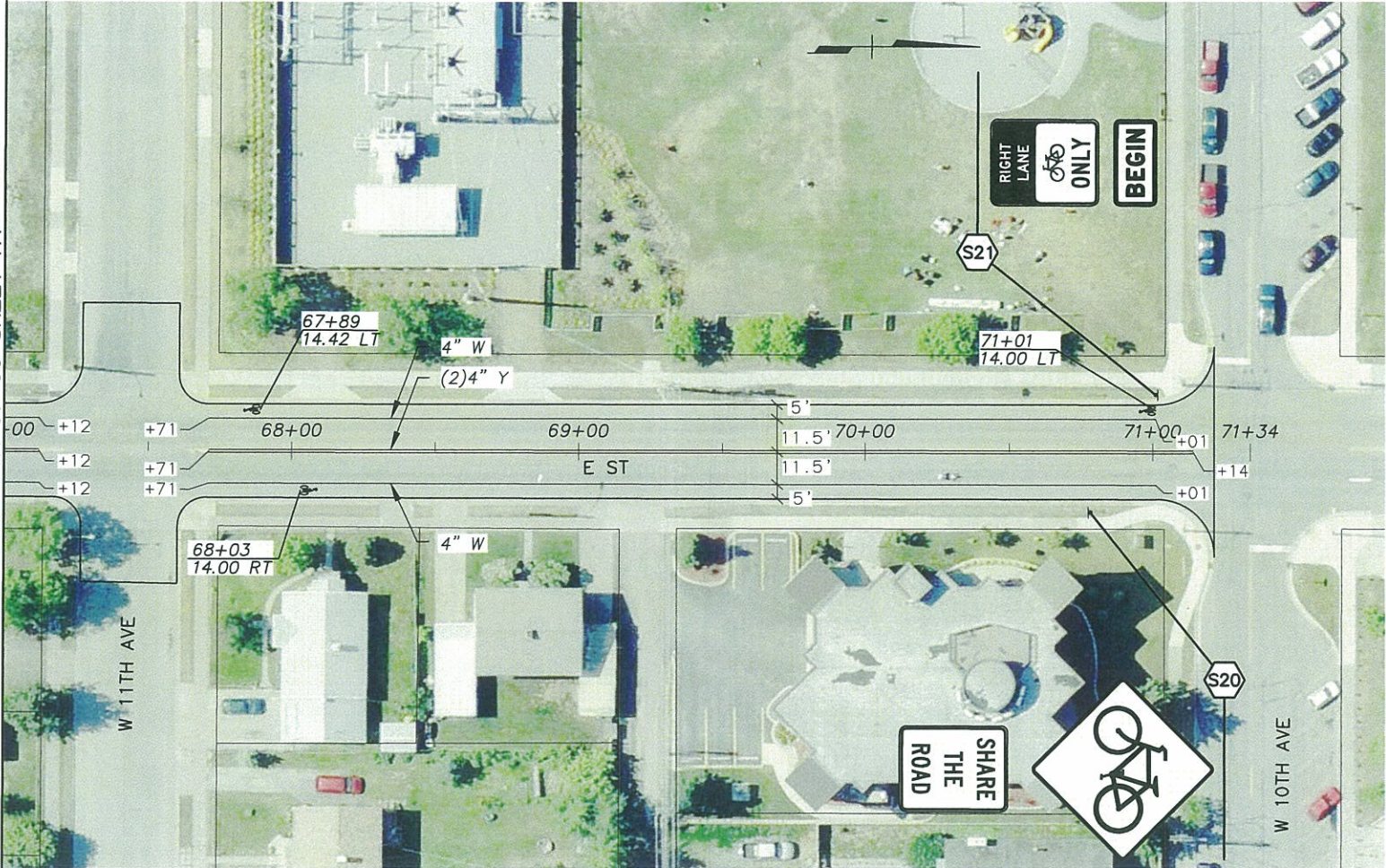
HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ARCTIC BOULEVARD BICYCLE LANE
FIREWEED LANE TO 10TH AVENUE

ARCTIC BOULEVARD
SIGNING AND STRIPING
52+00 TO 67+00

MATCH LINE STA 67+00 SHEET H4



SHEET NO.	TOTAL SHEETS	
H5	H6	
STATE	YEAR	
ALASKA	2014	
PROJECT DESIGNATION		
M-000S(789)/53619		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

9/13/13
PRE-PS&E REVIEW

HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ARCTIC BOULEVARD BICYCLE LANE
FIREWEED LANE TO 10TH AVENUE

ARCTIC BOULEVARD
SIGNING AND STRIPING
67+00 TO 71+34

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DESIGNED BY DAD
CHECKED BY DAD
DRAFTER BY DAD
SHEETS
SCALE 1"=50'
LAYOUT H6
DATE TIME

SIGN SUMMARY													
SHEET NO.	POST NO.	STATION	CL REF	TYPE	LEGEND	SIZE (IN)		AREA SQ FT	SIGN FACES	POSTS NO., SIZE & TYPE	THICKNESS (IN)		REMARKS
						WIDTH	HEIGHT				YES	NO	
H1	S1	10+00	LT	W11-1		24	24	4	N			0.125	MOUNT ON UTILITY POLE
				W16-1P		18	24	3	N	2.5" PST		0.125	
	S2	10+93	RT	R3-101		18	24	3	S			0.125	MOUNT ON LUMINARE
				W16-1P		18	24	3	S	2.5" PST		0.125	
	S3	22+01	RT	R3-101		18	24	3	S			0.125	MOUNT ON LUMINARE
	S4	22+93	LT	R3-101		18	24	3	N			0.125	MOUNT ON LUMINARE
H2	S5	31+51	LT	R3-101		18	24	3	N	2.5" PST		0.125	
				W16-1P		18	24	3	N	2.5" PST		0.125	
	S6	31+51	RT	W11-1		24	24	4	S	2.5" PST		0.125	
				W16-1P		18	24	3	S	2.5" PST		0.125	
	S7	34+20	RT	R4-11		30	30	6.25	W	2.5" PST		0.125	
	S8	34+30	LT	R4-11		30	30	6.25	E	2.5" PST		0.125	
				R7P-101L		12	18	1.5	S	2.5" PST		0.125	
	S9	34+85	RT	R7P-101R		12	18	1.5	N	2.5" PST		0.125	
H3	S10	38+73	LT	R4-11		30	30	6.25	E			0.125	MOUNT TO LUMINARE
	S11	39+40	RT	R4-11		30	30	6.25	W	2.5" PST		0.125	
	S12	43+30	LT	R7P-101R		12	18	1.5	S	2.5" PST		0.125	
	S13	43+58	RT	R4-11		30	30	6.25	W	2.5" PST		0.125	
				R7P-101L		12	18	1.5	N	2.5" PST		0.125	
H4	S14	52+25	LT	R4-11		30	30	6.25	N	2.5" PST		0.125	
				R7P-101		12	18	1.5	E	2.5" PST		0.125	
	S15	52+48	RT	R4-11		30	30	6.25	S	2.5" PST		0.125	
	S16	56+91	RT	R3-101		18	24	3	S	2.5" PST		0.125	
				W16-1P		18	24	3	S	2.5" PST		0.125	
	S17	54+81	LT	W11-1		24	24	4	N			0.125	MOUNT TO LUMINARE
				W16-1P		18	24	3	N	2.5" PST		0.125	
	S18	61+57	LT	R3-101		18	24	3	N	2.5" PST		0.125	
	S19	62+03	RT	R3-101		18	24	3	N	2.5" PST		0.125	
H5	S20	70+78	RT	W11-1		24	24	4	N	2.5" PST		0.125	
				W16-1P		18	24	3	N	2.5" PST		0.125	
	S21	71+01	LT	R3-101		18	24	3	S	2.5" PST		0.125	
				W16-1P		18	24	3	S	2.5" PST		0.125	

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION					
			ALASKA	M-000S(789)/53619	2014	H6	H6

SALVAGE SIGN SUMMARY			
SHEET NO.	STATION	OFFSET	REMARKS
H2	34+85	RT	NO PARKING
H4	52+48	RT	NO PARKING
H4	61+57	LT	NO PARKING
H5	70+78	RT	NO PARKING
H5	71+01	LT	NO PARKING

GENERAL SIGNING NOTES

1. THE POST TYPES INDICATED IN THIS SUMMARY ARE ABBREVIATED:
TS = SQUARE STEEL TUBE
PST = PERFORATED STEEL TUBE
2. SIGN MOUNTING HEIGHT IS A MINIMUM OF 7 FT AS SHOWN ON STANDARD DRAWING S-05.01.
3. ALL SIGNS SHALL BE "CONVENTIONAL" CLASS AS DESIGNATED BY THE ALASKA SIGN DESIGN SPECIFICATIONS, UNLESS NOTED OTHERWISE.
4. ALL PST POSTS SHALL BE INSTALLED WITH CONCRETE FOUNDATIONS.

PRE-PS&E REVIEW 9/13/2013



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ARCTIC BOULEVARD BICYCLE LANES
FIREWEED LANE TO 10TH AVENUE

SIGN SUMMARY, SALVAGE SIGN
SIGN SUMMARY, AND NOTES