


MEMORANDUM

CITY/BOROUGH OF JUNEAU
155 South Seward Street, Juneau, Alaska 99801

DATE: February 23, 2012

TO: Planning Commission

FROM: Ben Lyman, Planner 
Community Development Department

FILE NO.: CSP2012 0005

PROPOSAL: Establish a High-Intensity Activated Crosswalk (HAWK) pedestrian hybrid beacon at the crosswalk on Glacier Highway at the driveway entrance into Walmart

GENERAL INFORMATION

Applicant: State of Alaska DOT&PF

Property Owner: State of Alaska

Property Address: 6525 Glacier Highway

Legal Description: Project is within State of Alaska right-of-way

Parcel Code No.: 0 Parcel

Site Size: 0

Zoning: 0

Access: Glacier Highway

Surrounding Land Use: North - Mobile Home Park and Multi-Family Residential, Dzantik'i Heeni Middle School (D15)
South - Walmart Retail (GC)
East - Vacant and Residential (GC and D15)
West - Vacant and Residential (GC and D15)

BACKGROUND

The Southeast Region of the Alaska Department of Transportation/Public Facilities (DOT) proposes to install a High-Intensity Activated Crosswalk (HAWK) pedestrian beacon on Glacier Highway at the Walmart driveway. A HAWK beacon is currently installed on the Mendenhall Loop Road at Floyd Dryden Middle School.

HAWK beacons are a type of device that, like the neon flags at Alaway Avenue/Glacier Highway, Twelfth Street/Glacier Avenue, and Cordova Street/Douglas Highway, help raise the visibility of crossing pedestrians to improve their safety. HAWK beacons are not “signals,” in that a vehicle is not required to stop as they are at a “stop light” (traffic signal).

The intersection of the Walmart parking lot with Glacier Highway has been a dangerous location for pedestrians for many years, and three vehicle-pedestrian collisions in late 2011 resulted in an emergency safety project for DOT. This project is a very high priority for DOT, and they anticipate that construction will begin in March 2012. Although pedestrians cross Glacier Highway in many locations between Renninger St. and the Glacier Highway Access Road, and pedestrians will not be required to use the crossing at the HAWK beacon, this is a major crossing location and DOT staff anticipate that more crossings may occur at this location once the beacon has been installed.

Although DOT staff do not anticipate that the proposed HAWK will create an entirely safe pedestrian environment in this area, this project is intended to improve pedestrian safety in the area. A Statewide Transportation Improvement Program (STIP) project to develop a safer corridor through the Lemon Creek area is currently under development, and will follow the HAWK project, enabling it to address any shortcomings in this project that are found after installation.

ANALYSIS

Although a HAWK beacon will not eliminate danger from pedestrian crossings of Glacier Highway in this corridor, it will provide a much more visible crossing in an area with a poor safety record. The project location was selected due to the existing equipment and signal poles, which were installed when there was a traffic signal at the location. Re-using this equipment will enable the project to be completed very quickly, and at low cost. Although many pedestrians also cross Glacier Highway at its intersection with Renninger Street, the Walmart driveway and its immediate vicinity see more crossings than any other portion of the corridor.

With three pedestrians struck by vehicles in the immediate vicinity of the proposed HAWK in the fall of 2011 alone, this is an important safety improvement that can only improve an already dangerous situation. With a STIP project in the works to redesign the Glacier Highway road section and how various transportation modes use the corridor, the proposed HAWK beacon is a short-term improvement that will help pedestrians cross Glacier Highway safely until the entire corridor can be reconstructed.

CBJ Title 49, the Land Use Code, is silent on matters of traffic control devices, but its purpose and intent is given at CBJ 49.05.100, in part:

(4) To ensure that future growth is...served by a proper range of public services and facilities such as...transportation...and in general to promote public health, safety and general welfare...

As a safety project, the proposed HAWK beacon conforms to the purpose and intent of CBJ Title 49.

CONFORMITY WITH ADOPTED PLANS

The proposed project is listed as High Priority Improvement No. 49 in the Juneau Non-Motorized Transportation Plan: “Glacier Highway at Walmart – Add pedestrian activated signal and continental style crosswalk.” Although the HAWK is a beacon and not a signal, the crosswalk will be “continental,” or ladder-style.

The proposed project substantially conforms with adopted plans.

HABITAT

The proposed HAWK beacon will re-use existing infrastructure, and will not impact any habitat in any way.

FINDINGS

The proposed project is a short-term means to address a very dangerous situation; although not perfect, it will improve pedestrian safety in movements crossing Glacier Highway at the Walmart intersection. The proposed project conforms with adopted plans.

RECOMMENDATION

Staff recommends that the Planning Commission find that the proposed HAWK beacon at the intersection of Glacier Highway and the Walmart driveway is consistent with adopted plans and CBJ Title 49, pursuant to CBJ 49.15.580 and AS 35.30.010.

DEVELOPMENT PERMIT APPLICATION

Project Number	CITY and BOROUGH of JUNEAU	Date Received: 2/2/12
Project Name <small>(City Staff to Assign Name)</small>		

PROJECT / APPLICANT INFORMATION	Project Description Establish a High-Intensity Activated Crosswalk (HAWK) pedestrian hybrid beacon at the crosswalk on Glacier Highway/Lemon Road at the driveway entrance into Walmart.		
	PROPERTY LOCATION		
	Street Address 6525 Glacier Highway	City/Zip Juneau 99801	
	Legal Description(s) of Parcel(s) (Subdivision, Survey, Block, Tract, Lot) Project is within State of Alaska right-of-way		
	Assessor's Parcel Number(s) N/A		
	LANDOWNER/ LESSEE		
	Property Owner's Name State of Alaska DOT&PF	Contact Person: David Epstein	Work Phone: 907-465-4483
	Mailing Address 6860 Glacier Highway	Home Phone:	Fax Number: 907-465-3506
	E-mail Address david.epstein@alaska.gov	Other Contact Phone Number(s): 907-209-7995 cell	
	LANDOWNER/ LESSEE CONSENT ****Required for Planning Permits, not needed on Building/ Engineering Permits****		
I am (we are) the owner(s) or lessee(s) of the property subject to this application and I (we) consent as follows: A. This application for a land use or activity review for development on my (our) property is made with my complete understanding and permission. B. I (we) grant permission for officials and employees of the City and Borough of Juneau to inspect my property as needed for purposes of this application.			
X	 _____ Landowner/Lessee Signature	Date 2/2/12	
X	_____ Landowner/Lessee Signature	Date _____	
NOTICE: The City and Borough of Juneau staff may need access to the subject property during regular business hours and will attempt to contact the landowner in addition to the formal consent given above. Further, members of the Planning Commission may visit the property before the scheduled public hearing date.			
APPLICANT If the same as OWNER, write "SAME" and sign and date at X below			
Applicant's Name SAME	Contact Person:	Work Phone:	
Mailing Address	Home Phone:	Fax Number:	
E-mail Address	Other Contact Phone Number(s):		
X	 _____ Applicant's Signature	Date of Application 2/2/12	

-----OFFICE USE ONLY BELOW THIS LINE-----

STAFF APPROVALS	<input checked="" type="checkbox"/>	Permit Type	***SIGN	Date Received	Application Number(s)
		Building/Grading Permit			
	<input checked="" type="checkbox"/>	City/State Project Review and City Land Action		2/2/12	CSP 12-005
		Inquiry Case <small>(Fee In Lieu, Letter of ZC, Use Not Listed)</small>			
		Mining Case <small>(Small, Large, Rural, Extraction, Exploration)</small>			
		Sign Approval <small>(If more than one, fill in all applicable permit #'s)</small>			
		Subdivision <small>(Minor, Major, PUD, St. Vacation, St. Name Change)</small>			
		Use Approval <small>(Allowable, Conditional, Cottage Housing, Mobile Home Parks, Accessory Apartment)</small>			
		Variance Case <small>(De Minimis and all other Variance case types)</small>			
		Wetlands Permits			
	Zone Change Application				
	Other <small>(Describe)</small>				
***Public Notice Sign Form filled out and in the file.					
Comments: _____ _____				Permit Intake Initials BL	

CITY/STATE PROJECT AND LAND ACTION REVIEW APPLICATION

Project Number	Project Name (15 characters)	Case Number CSP 12-005	Date Received 2/2/12
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TYPE OF PROJECT REVIEW:

City Project Review
 City Land Acquisition /Disposal
 State Project Review

DESCRIPTION OF PROJECT

Establish a High-Intensity Activated Crosswalk Pedestrian hybrid beacon at the crosswalk on Glacier Hwy/Lemon Road at the driveway entrance into Walmart

Please attach a cover letter to fully explain the project if there is not adequate space on this form.

CURRENT USE OF LAND OR BUILDING(S):

N/A

PROPOSED USE OF LAND OR BUILDING(S):

N/A

PROJECT NUMBERS ASSOCIATED WITH PROPOSAL:

Is this project associated with any other Land Use Permits? No Yes Case No.: _____

Capital Improvement Program # (CIP) _____

Local Improvement District # (LID) _____

State Project # 68132

ESTIMATED PROJECT COST: \$ _____

For more information regarding the permitting process and the submittals required for a complete application, please see the reverse side.

If you need any assistance filling out this form, please contact the Permit Center at 586-0770.

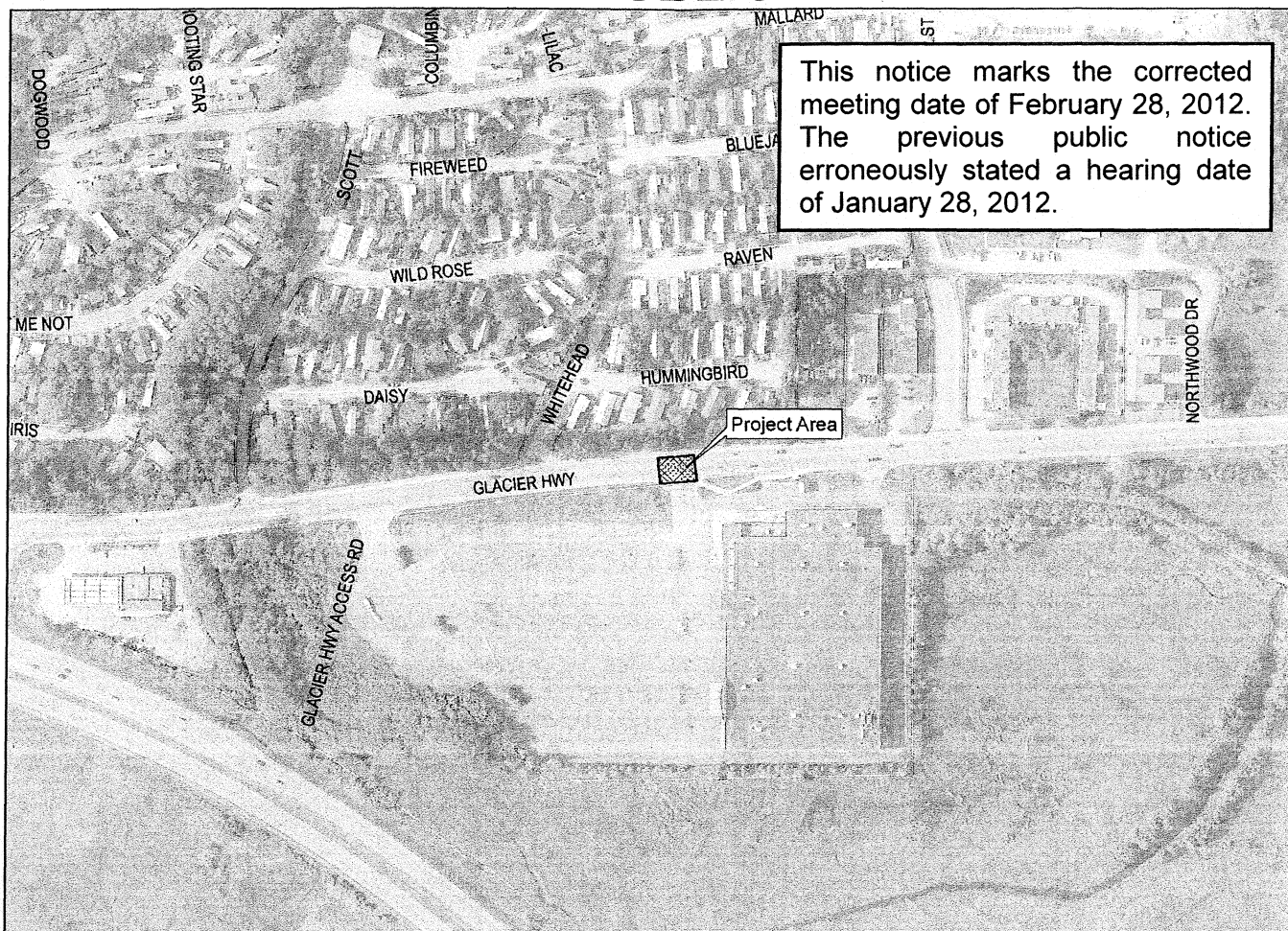
CITY/STATE PROJECT FEES				
	Fees	Check No.	Receipt	Date
Application Fees	\$ _____	_____	_____	_____
Total Fee	\$ _____	_____	_____	_____

NOTE: MUST BE ACCOMPANIED BY DEVELOPMENT PERMIT APPLICATION FORM & EVEN IF THE PROPOSED PROJECT IS ASSOCIATE WITH OTHER LAND USE PERMITS, THIS APPLICATION MUST BE FILLED OUT

TO BE COMPLETED BY THE APPLICANT

CORRECTED

NOTICE OF PUBLIC HEARING



Aerial photo taken June 2006

PROPOSAL: State project to establish a High-Intensity Activated Crosswalk (HAWK) pedestrian hybrid beacon at the crosswalk on Glacier Hwy / Lemon Road at the driveway entrance to WalMart.

FILE NO.:	CSP2012 0005	APPLICANT:	State of Alaska DOT/PF
TO:	Adjacent Property Owners	PROPERTY OWNER:	State of Alaska
HEARING DATE:	<u>February 28, 2012</u>	PROPERTY ADDRESS:	Glacier Hwy/Lemon Rd
HEARING TIME:	7:00 PM	PARCEL NO.:	N/A
PLACE:	ASSEMBLY CHAMBERS Municipal Building 155 South Seward Street Juneau, Alaska 99801	ACCESS:	Glacier Hwy

PROPERTY OWNERS PLEASE NOTE:

You are invited to attend this Public Hearing and present oral testimony. The Planning Commission will also consider written testimony. You are encouraged to submit written material to the Community Development Department no later than 8:30 A.M. on the Wednesday preceding the Public Hearing. Materials received by this deadline are included in the information packet given to the Planning Commission a few days before the Public Hearing. Written material received after the deadline will be provided to the Planning Commission at the Public Hearing.

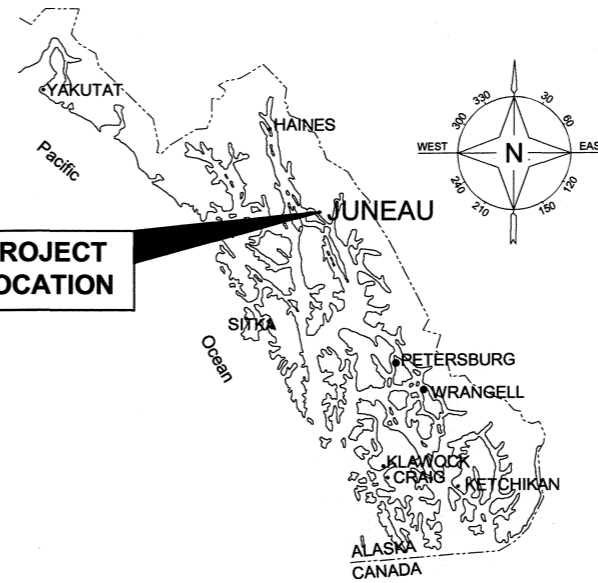
If you have questions, please contact Ben Lyman at 907-586-0758 or e-mail benjamin_lyman@ci.juneau.ak.us

STATE OF ALASKA

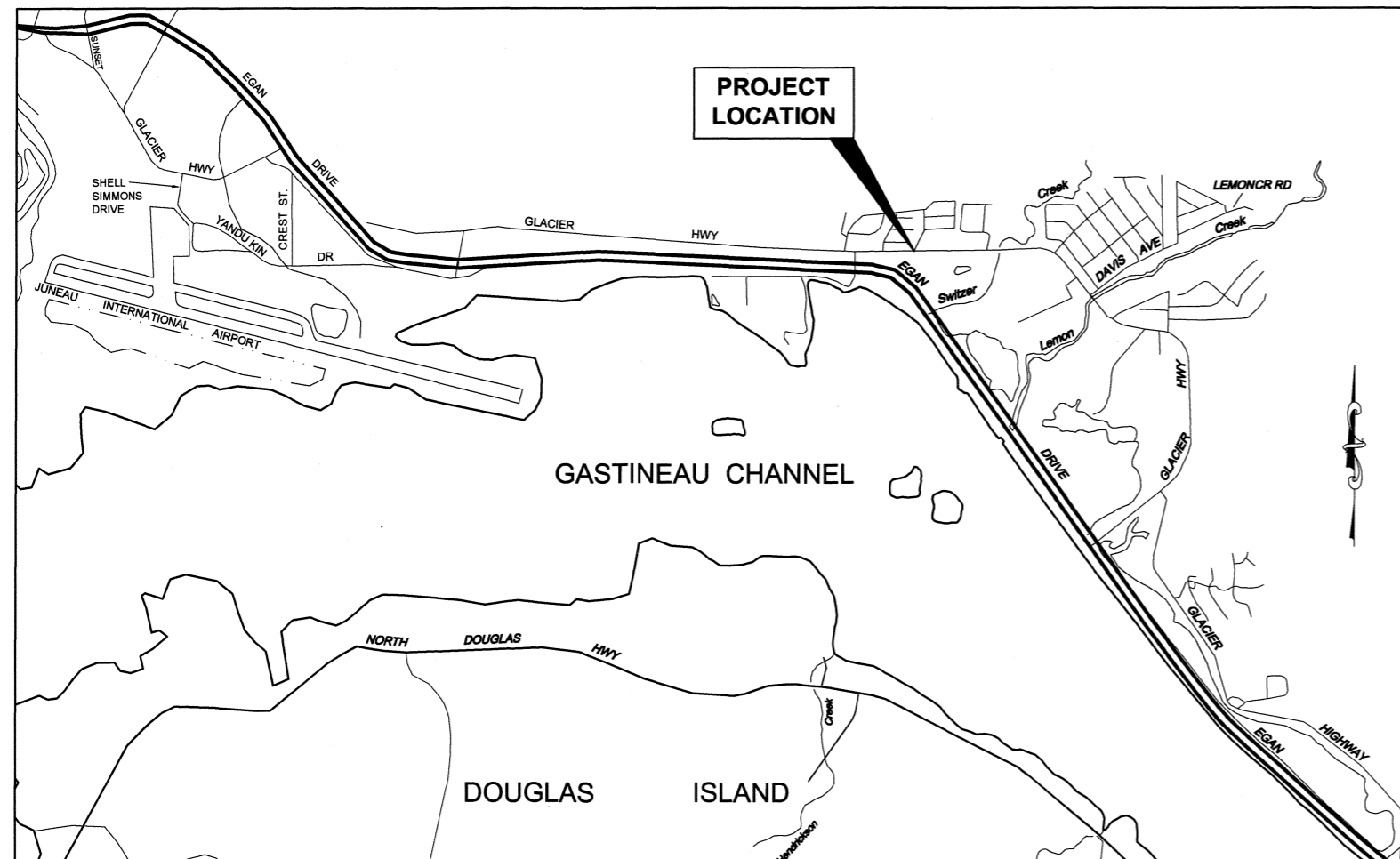
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU, ALASKA

JNU: WALMART HAWK
HHE-0955(15) ~ 68132



SOUTHEAST ALASKA REGION



VICINITY MAP

DESIGN DESIGNATION

A.D.T. 2010	=	12170
A.D.T. 2023	=	12990
D.H.V. 2020 (12.1%)	=	1560
% T	=	11.5%
V	=	40 MPH
E.A.L.	=	2,850,000

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	S-00.10	T-20.02
C-03.10	S-05.01	T-30.10
	S-20.10	
	S-23.00	
	S-30.03	

INDEX

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
C1	ESTIMATE OF QUANTITIES
E1	HAWK SIGNAL DETAILS
F1	SITE PLAN
P1	SIGNING AND STRIPING SUMMARY
Q1	HAWK SIGNAL POLE DETAILS
Q2	WIRING DIAGRAM AND SYSTEM DESIGN
S1	TRAFFIC CONTROL PLAN

RECEIVED
FEB 02 2012
PERMIT CENTER/CDD

PATH: Q:\Jnu\68132\Planset\T-SHEET.dwg
Thu, 02/Feb/12 09:37AM dastevens

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION



APPROVED:

CHUCK CORREA, P.E.
REGIONAL PRECONSTRUCTION ENGINEER

DATE

APPROVED:

ALBERT H. CLOUGH, CPG
DIRECTOR, S.E. REGION

DATE

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:

CONSTRUCTION PROJECT MANAGER DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HHE-0955(15)	2012	A1	8

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

ESTIMATE OF QUANTITIES			
ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
615 (1)	STANDARD SIGN	SQUARE FOOT	78
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643 (25)	TRAFFIC CONTROL	LUMP SUM	ALL REQUIRED
660 (1)	PEDESTRIAN HYBRID BEACON SYSTEM, COMPLETE	LUMP SUM	ALL REQUIRED
670 (1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED

BASIS OF ESTIMATE		
ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR
660 (1)	CONTROLLER	1 EACH
660 (1)	HAWK SIGNAL HEAD	4 EACH
660 (1)	PEDESTRIAN COUNTDOWN TIMERS	2 EACH
660 (1)	PEDESTRIAN PUSH BUTTONS	2 EACH
670 (1)	PAINTED TRAFFIC MARKINGS	24 LF OF STOP BAR 50 LF OF LADDER CROSSWALK

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JNU - WALMART HAWK
PROJECT NO. 68132

ESTIMATE OF QUANTITIES

DESIGNED BY: J. MAHLE



CHECKED BY: D. EPSTEIN

DRAWN/REVISED BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU - WALMART HAWK
PROJECT NO. 68132

ESTIMATE OF QUANTITIES

PROJECT DESIGNATION NUMBER

HHE-0955(15) ~ 68132

STATE YEAR

ALASKA 2012

SHEET NUMBER TOTAL SHEETS

C1 8

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

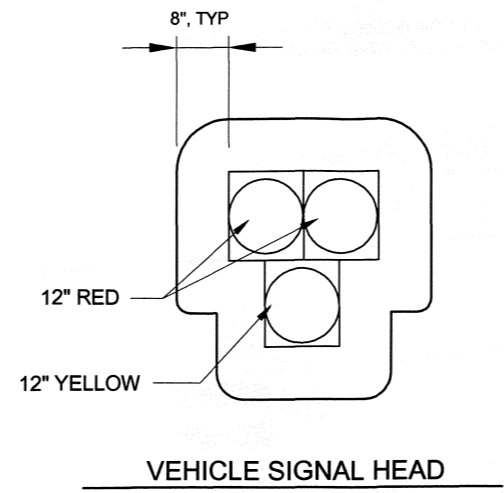
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PROJECT NO. 68132

**HAWK SIGNAL
DETAILS**

PROJECT DESIGNATION NUMBER	
HHE-0955(15) ~ 68132	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
E1	8

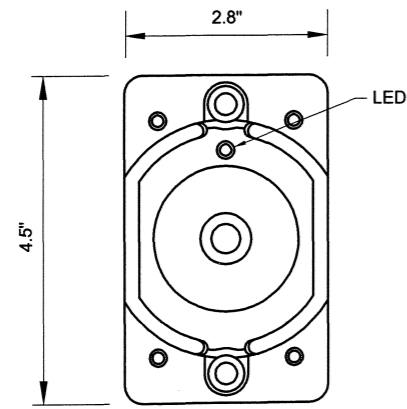
HAWK SIGNAL DETAILS

SIGNAL SEQUENCING OPERATION				
STEP	VEHICLE SIGNAL	PED SIGNAL	TIME (s)	REMARKS
1		SOLID HAND	-	DARK UNTIL ACTIVATED
2		SOLID HAND	3	FLASHING YELLOW UPON ACTIVATION
3		SOLID HAND	3	SOLID YELLOW VEHICLE CLEARANCE
4		PEDESTRIAN WALK INTERVAL	7	SOLID DOUBLE RED
5		PEDESTRIAN CLEARANCE INTERVAL	20	ALTERNATE FLASHING DOUBLE RED
6		SOLID HAND	60	DARK AGAIN UNTIL ACTIVATED, MIN TIME UNTIL NEXT ACTIVATION

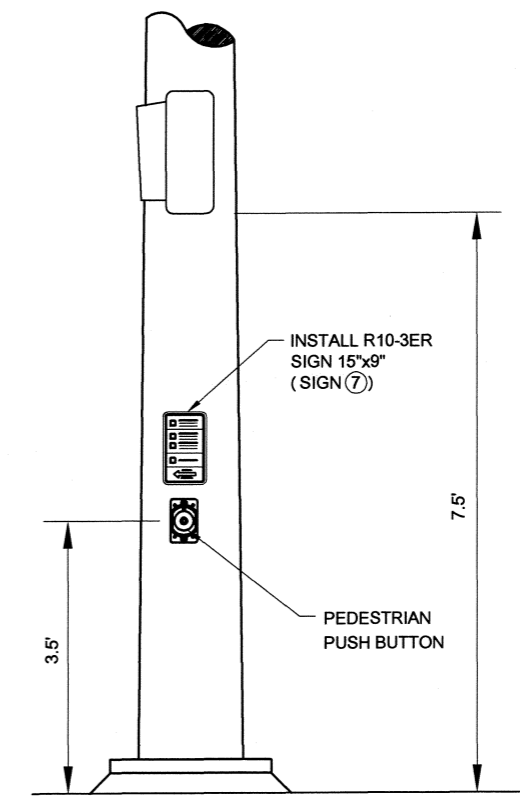
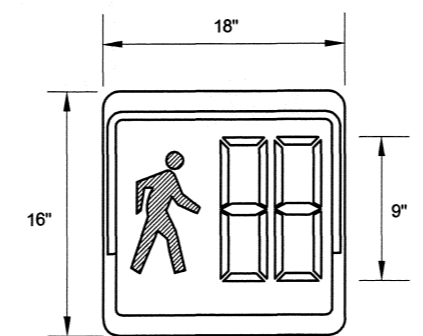


NOTE:

- IF THE HYBRID PEDESTRIAN TRAFFIC SIGNAL GOES INTO FLASH, THE PEDESTRIAN INDICATIONS SHALL GO DARK AND THE VEHICLE INDICATIONS SHALL FLASH YELLOW IN BOTH DIRECTIONS.



NOTES: BEEPER TO SOUND SIMULTANEOUSLY WITH LED FLASH. THE PUSHBUTTON SHALL USE A PIEZO ELECTRIC SENSOR. USE POLARA BULLDOG PUSHBUTTON OR ENGINEER APPROVED EQUAL.



NOTE: USE THE SAME PEDESTRIAN HARDWARE SIGNAL POLE 3 EXCEPT USE A R10-3EL SIGN (SIGN 12 ON SHEET F-1)

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

JNU WALMART PEDESTRIAN
ACTIVATED HAWK SIGNAL

SITE PLAN

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FEB 02 2012
PERMIT CENTER/CDD

DESIGNED BY: J. MAHLE



CHECKED BY: D. EPSTEIN
DRAWN/REVISED BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU WALMART PEDESTRIAN
ACTIVATED HAWK SIGNAL

SITE PLAN

PROJECT DESIGNATION NUMBER

HHE-0955(15) ~ 68132

STATE YEAR

ALASKA 2012

SHEET NUMBER TOTAL SHEETS

F1 8

SIGNAL LEGEND:

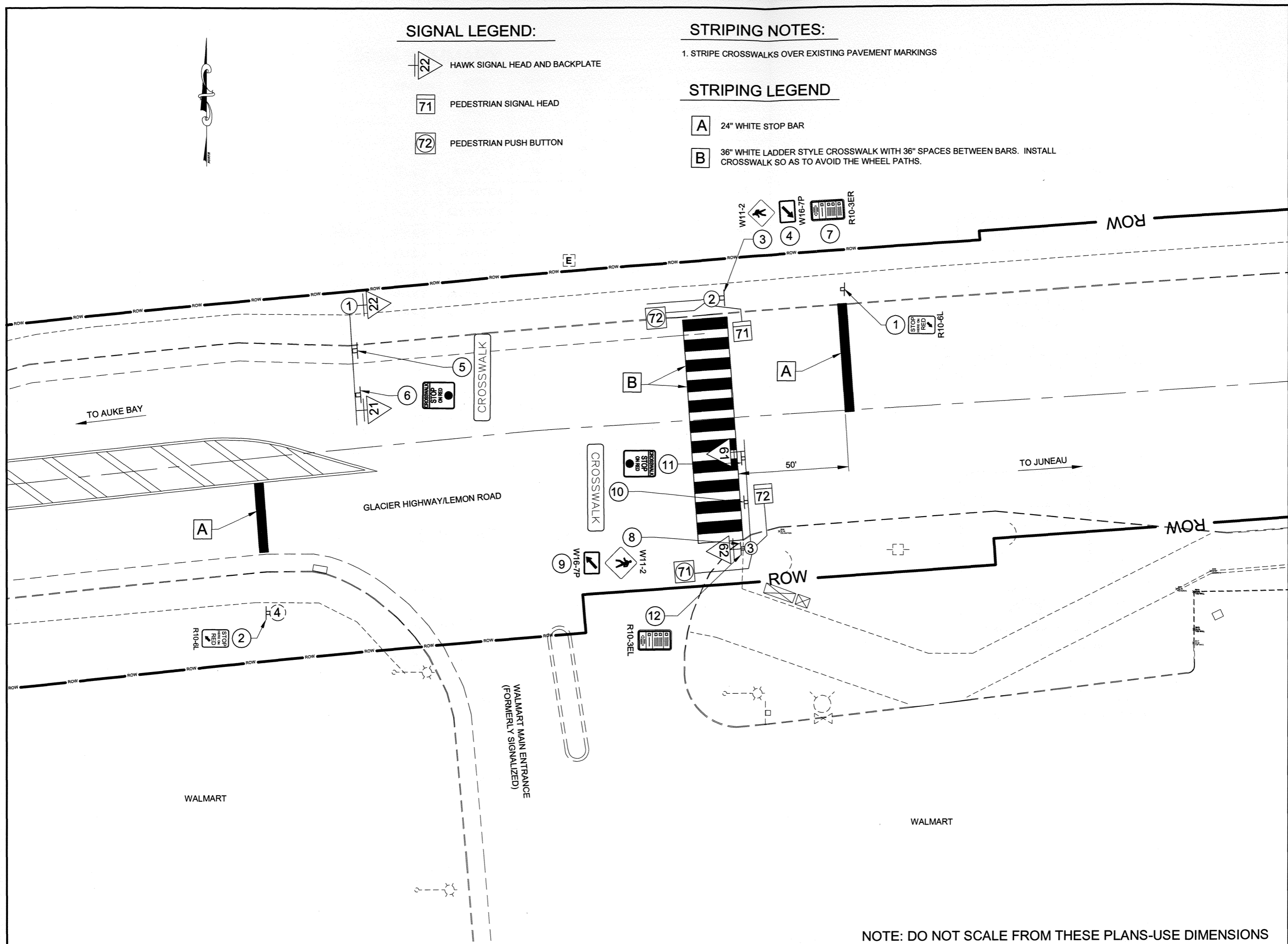
- HAWK SIGNAL HEAD AND BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON

STRIPING NOTES:

1. STRIPE CROSSWALKS OVER EXISTING PAVEMENT MARKINGS

STRIPING LEGEND

- 24" WHITE STOP BAR
- 36" WHITE LADDER STYLE CROSSWALK WITH 36" SPACES BETWEEN BARS. INSTALL CROSSWALK SO AS TO AVOID THE WHEEL PATHS.



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

No.	DATE	DESCRIPTION

JNU - WALMART HAWK
PROJECT NO. 68132

SIGNING AND STRIPING SUMMARY

RECEIVED

FEB 02 2012

PERMIT CENTER/CDD

DESIGNED BY: J. MAHLE



CHECKED BY: D. EPSTEIN

DRAWN/REVISED BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU - WALMART HAWK
PROJECT NO. 68132

SIGNING AND STRIPING SUMMARY

PROJECT DESIGNATION NUMBER

HHE-0955(15) ~ 68132

STATE YEAR

ALASKA 2012

SHEET NUMBER TOTAL SHEETS

P1 8

SIGN SUMMARY

SIGN NUMBER	LEGEND	STATION	ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SQ FT)	POST	FACING
1	STOP HERE ON RED	-	R10-6L	24	36	6	2.5 PST	EB
2	STOP HERE ON RED	-	R10-6L	24	36	6	2.5 PST	WB
3	PEDESTRIAN CROSSING (SYMBOL)	POLE 2	W11-2	36	36	9		EB
4	DIAGONAL DOWN ARROW PLATE	POLE 2	W16-7PL	30	18	3.75		EB
5	CROSSWALK	POLE 1	SEE NOTE 5	18	96	12		EB
6	CROSSWALK / STOP ON RED (BALL)	POLE 1	SEE NOTE 5	30	36	7.5		EB
7	ED. PLAQUE FOR PED SIGNALS (COUNTDOWN)	POLE 2	R10-3ER	9	15	.94		WB
8	PEDESTRIAN CROSSING (SYMBOL)	POLE 3	W11-2	36	36	9		WB
9	DIAGONAL DOWN ARROW PLATE	POLE 3	W16-7PL	30	18	3.75		WB
10	CROSSWALK	POLE 3	SEE NOTE 5	18	96	12		WB
11	CROSSWALK / STOP ON RED (BALL)	POLE 3	SEE NOTE 5	30	36	7.5		WB
12	ED. PLAQUE FOR PED SIGNALS (COUNTDOWN)	POLE 3	R10-3EL	9	15	.94		WB

TOTAL 78.4 SQ FT

SIGNING NOTES:

- SIGNS MOUNTED ON MAST ARMS SHALL USE DIAMOND GRADE SIGN SHEETING AS PER STD SPEC 615-2.01 (2c)
- SIGNS SHALL BE AT LEAST 0.125" THICKNESS ALUMINUM AS PER STD DWG S-00.10.
- SEE STD DWG S-23.00 FOR MOUNTING DETAILS FOR SIGNS MOUNTED ON SIGNAL MAST ARMS.
- SEE STD DWG S-30.03 DETAIL "SLEEVE TYPE SOIL EMBEDMENT" FOR SIGNS MOUNTED ON 2.5" PST.
- SEE DETAILS ON THIS SHEET FOR CUSTOM CROSSWALK / STOP ON RED AND CROSSWALK SIGNS
- SIGNS 7 AND 12 ARE TO BE MOUNTED ON OUTBOUND SIDES OF POLES 2 AND 3, RESPECTIVELY, SO THAT THE SIGN FACES ARE ORIENTED WESTBOUND.

SIGNAL HEAD SUMMARY TABLE

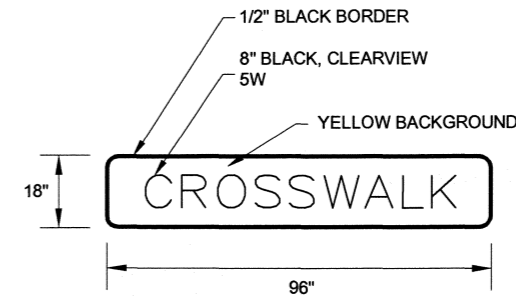
SIGNAL HEAD NO.	POLE	PHASE	CONFIG.	LENSE SIZE	MOUNTING TYPE	FACING
21	1	2	SEE NOTE 1	12"		EB
22	1	2	SEE NOTE 1	12"		EB
71	2	7	COUNT-DOWN PED		CLAMSHELL	SB
72	3	7	COUNT-DOWN PED		CLAMSHELL	NB
61	3	6	SEE NOTE 1	12"		WB
62	3	6	SEE NOTE 1	12"		WB

NOTE:

- SEE SHEET E1 FOR VEHICLE SIGNAL HEAD CONFIGURATIONS.

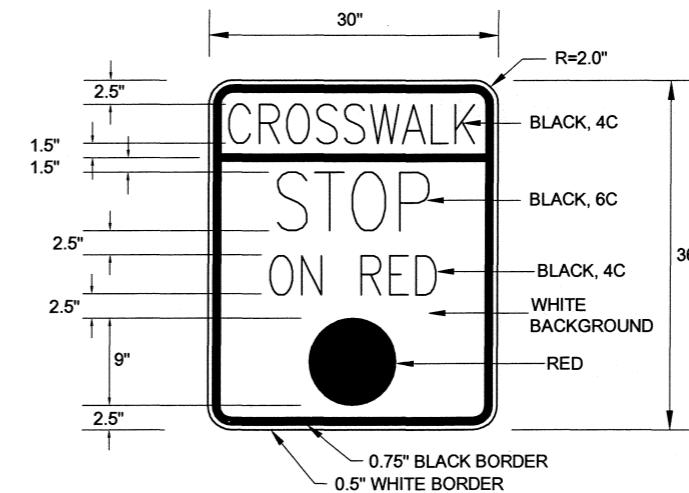
STRIPING SUMMARY

SYMBOL	DESCRIPTION	WIDTH	LENGTH	COMMENTS
A	SOLID WHITE	24"	24'	PAINT FOR STOP BARS
B	SOLID WHITE	36"	10'	(11) 3'x10' BARS REQUIRED TOTAL. PAINT, FOR LADDER CROSSWALK. USE 36" SPACES BETWEEN EACH BAR.



CUSTOM SIGN:
CROSSWALK

NOTE: THE OVERHEAD CROSSWALK SIGNS SHALL BE SIMILAR TO THE D3-1B SIGN (OVERHEAD STREET NAME SIGN) EXCEPT THE SIGN SHALL BE BLACK ON YELLOW INSTEAD OF WHITE ON GREEN.



CUSTOM SIGN:
CROSSWALK / STOP ON RED (BALL)

No.	DATE	DESCRIPTION

JNU - WALMART HAWK
PROJECT NO. 68132

**HAWK SIGNAL POLE
DETAILS**

RECEIVED
FEB 02 2012
PERMIT CENTER/CDD

DESIGNED BY: J. MAHLE



CHECKED BY: D. EPSTEIN

DRAWN/REVISED BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU - WALMART HAWK
PROJECT NO. 68132

**HAWK SIGNAL POLE
DETAILS**

PROJECT DESIGNATION NUMBER

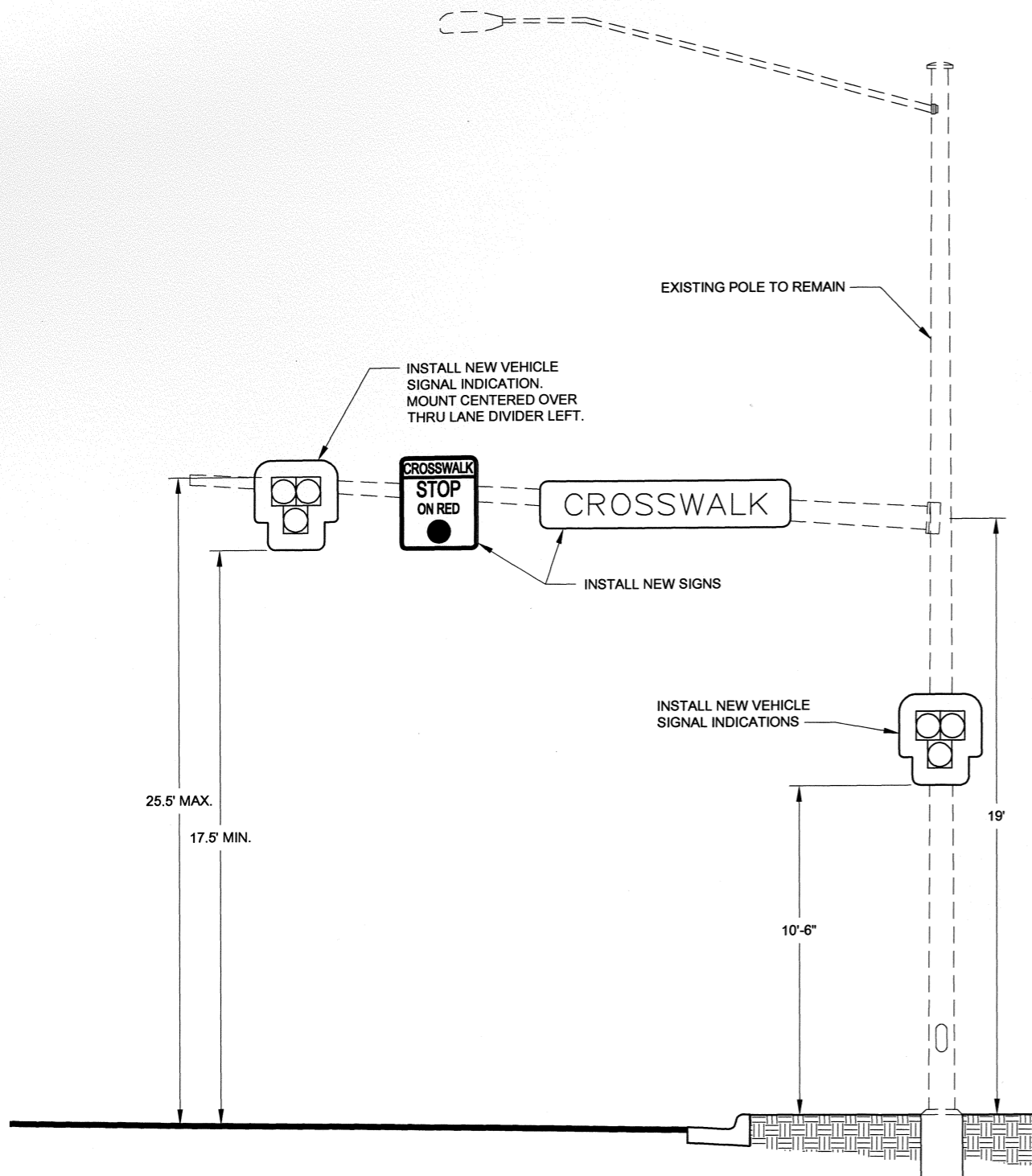
HHE-0955(15) ~ 68132

STATE YEAR

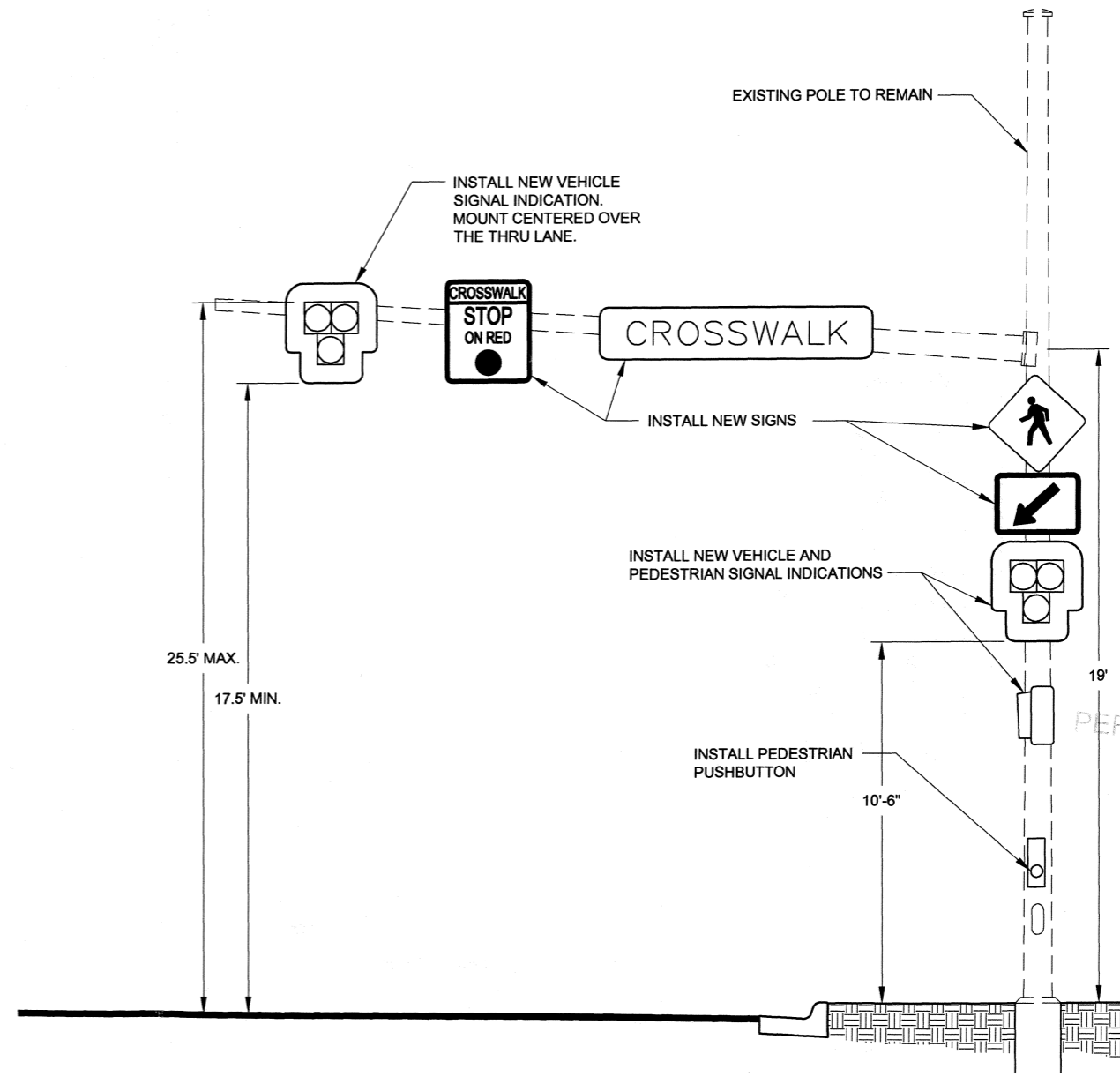
ALASKA 2012

SHEET NUMBER TOTAL SHEETS

Q1 8



POLE #1 WESTBOUND



POLE #3 EASTBOUND

SIGNAL POLE ELEVATIONS

NOTES:

1. VEHICLE SIGNAL INDICATIONS, SIGNING, DIMENSIONS, AND LAYOUT FOR VEHICLE INDICATIONS AND SIGNING SHALL BE THE SAME ON SIGNAL POLES 1 AND 3, EXCEPT AS NOTED.
2. USE REMNANT MOUNTING BRACKETS TO MOUNT HAWK SIGNAL HEADS ON MAST ARMS.

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

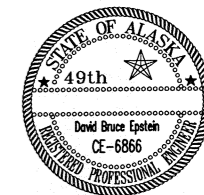
No.	DATE	DESCRIPTION

JNU - WALMART HAWK
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**WIRING DIAGRAM
 AND SYSTEM DESIGN**

RECEIVED
 FEB 02 2012
 PERMIT CENTER/CDD

DESIGNED BY: J. MAHLE



CHECKED BY: D. EPSTEIN

DRAWN/REVISED BY: D. STEVENS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU - WALMART HAWK
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**WIRING DIAGRAM
 AND SYSTEM
 DESIGN**

PROJECT DESIGNATION NUMBER

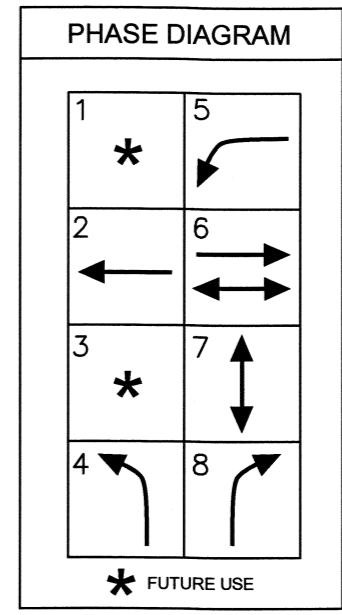
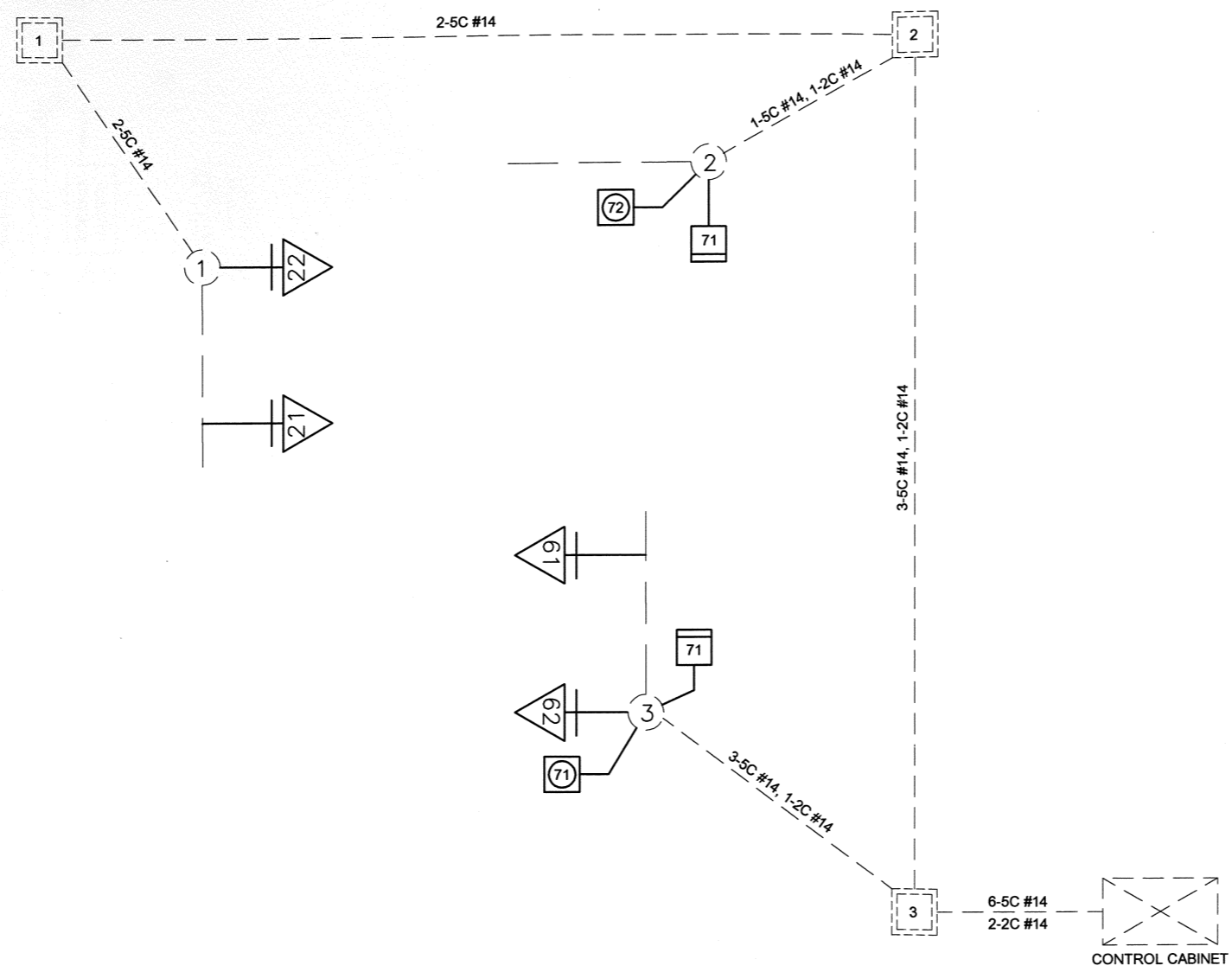
HHE-0955(15) ~ 68132

STATE YEAR

ALASKA 2012

SHEET NUMBER TOTAL SHEETS

Q2 8



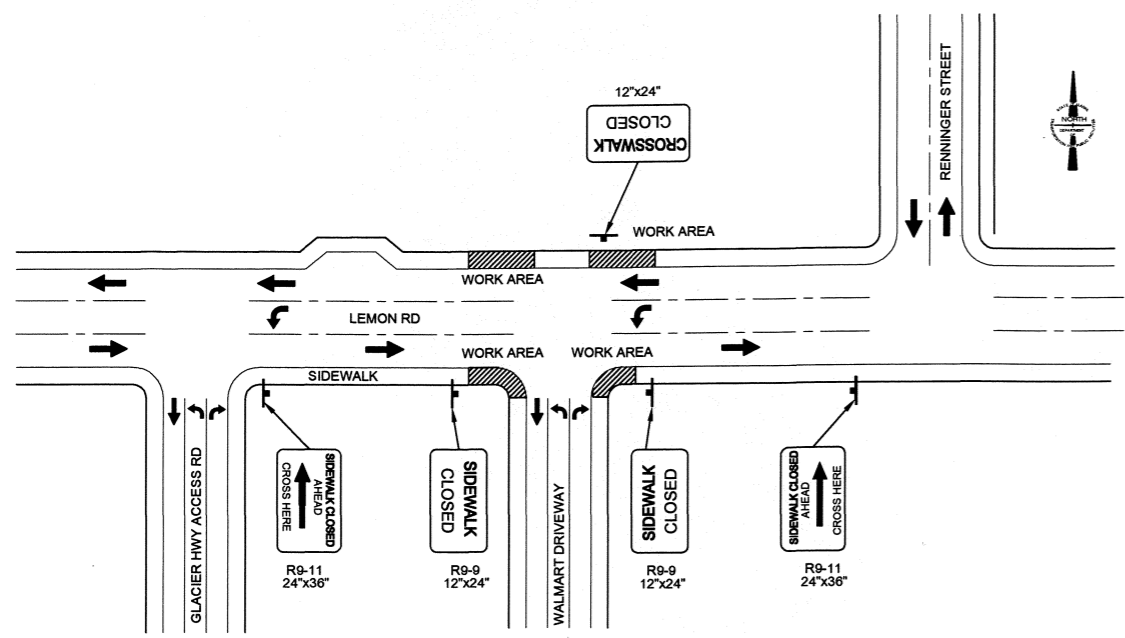
NOTES:

- DRAWING DEPICTS CONDUCTORS REQUIRED TO OPERATE HAWK. SUFFICIENT CONDUCTORS REMAIN FROM K-MART SIGNAL FOR REUSE IN THIS PROJECT.
- 7C #14 CONDUCTORS MAY BE USED IN LIEU OF 5C #14 CONDUCTORS.

LEGEND:

- TYPE 2 JUNCTION BOX
- CONTROLLER
- PEDESTRIAN SIGNAL
- PEDESTRIAN PUSH BUTTON
- HAWK SIGNAL HEAD AND BACKPLATE
- POLE

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



SIDEWALK DETOUR, TYP

NOTE: THIS SIDEWALK DETOUR DETAIL SHOWS THE WALMART SOUTH SIDEWALK CLOSURE ONLY. USE A SIMILAR SIDEWALK DETOUR FOR THE SIDEWALK CLOSURE AS REQUIRED.

GENERAL TRAFFIC CONTROL NOTES

1. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME BUT NOT ALL OF THE TRAFFIC CONTROL CONFIGURATIONS THAT WILL BE REQUIRED BY THIS PROJECT. TRAFFIC CONTROL PLANS FOR CONFIGURATIONS NOT COVERED BY THIS TCP SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
2. ALL TRAFFIC CONTROL PLANS SUBMITTED BY THE CONTRACTOR SHALL BE NUMBERED. ALL TRAFFIC CONTROL PLANS THAT USE A TYPICAL APPLICATION AS DESCRIBED IN THE MUTCD SHALL REFERENCE THE TYPICAL APPLICATION. EXAMPLE: TCP 3, MUTCD TA-10.
3. ORANGE CONSTRUCTION SIGNS SHALL USE TYPE VIII OR IX FLUORESCENT SHEETING AS DETAILED IN SECTION 615-2.01.
4. TRAFFIC LANES SHALL BE A MINIMUM OF 10' WIDE.
5. CONTACT THE SOUTHEAST REGION DOT TRAFFIC ENGINEER (465-4483) A MINIMUM OF 1 WEEK BEFORE ANTICIPATED SIGNAL TURNON.
6. THE CONTRACTOR SHALL MAINTAIN TWO LANES OF THRU TRAFFIC ON LEMON ROAD AT ALL TIMES UNLESS APPROVED BY THE ENGINEER.
7. PLACE A CW3-3 SIGN (SIGNAL AHEAD) WITH A CW3-3P PLATE (NEW SIGNAL) 350 FEET IN ADVANCE OF THE HAWK SIGNAL IN EACH DIRECTION 3 DAYS BEFORE TURNING THE SIGNAL ON. REMOVE THE SIGNS AFTER SEVEN DAYS OF ACTIVE SIGNAL OPERATION.
8. DO NOT LEAVE ANY HOLES UNCOVERED OVERNIGHT.

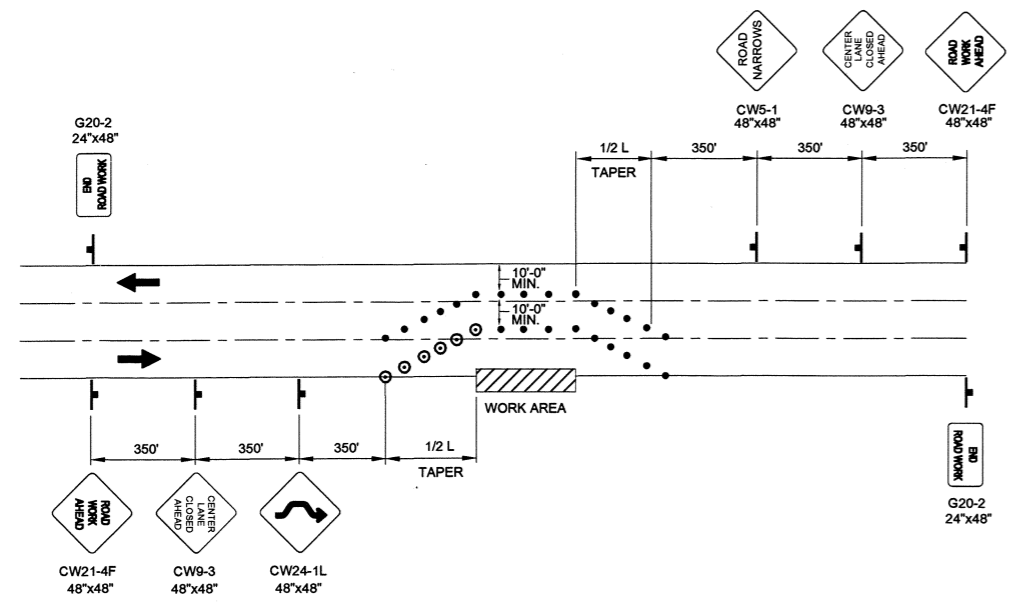
LEGEND

- SIGN
- ----- CONE
- ⊙ ----- DRUM
- + ----- TYPE II BARRICADE

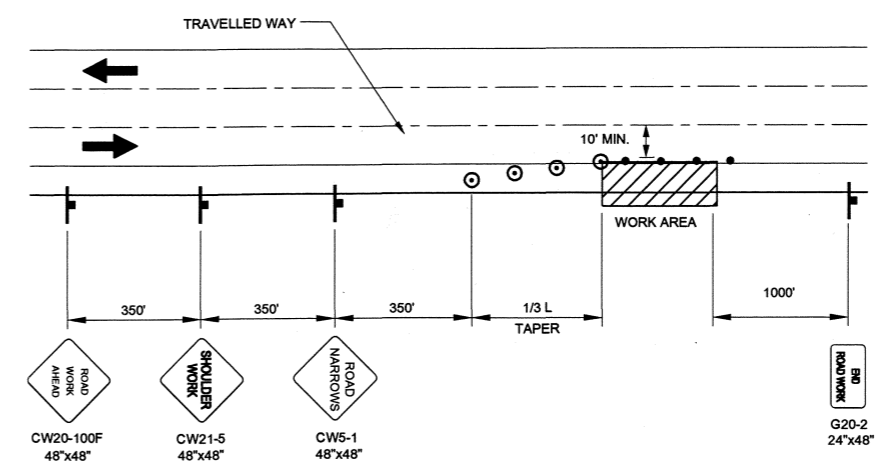
$$L = \frac{WS^2}{60}$$

WHERE:
 L= LENGTH OF TAPER (FT)
 W= WIDTH OF OFFSET (FT)
 S= SPEED (MPH)

ON MENDENHALL LOOP ROAD:
 L= 80' FOR EVERY 3' OFFSET
 MAX CONE SPACING IS:
 40 FT ON TAPERS
 80 FT ON TANGENTS



LANE SHIFT, ONE LANE CLOSURE

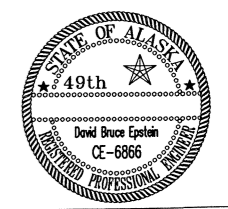


SHOULDER WORK

JNU - WALMART HAWK
 PROJECT NO. 68132

RECEIVED
 FEB 02 2012
 PERMIT CENTER/ODD

DESIGNED BY: J. MAHLE



CHECKED BY: D. EPSTEIN
 DRAWN/REVISED BY: D. STEVENS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU - WALMART HAWK
 PROJECT NO. 68132

TRAFFIC CONTROL PLAN

PROJECT DESIGNATION NUMBER
 HHE-0955(15) ~ 68132

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
S1	8

TRAFFIC CONTROL PLAN