CONSTRUCTION NOTES:

1. REMOVE EXISTING SIGN LIGHTERS AND ASSOCIATED WIRING IN SIGN STRUCTURE.
2. SPLICE NEW CONDUCTORS TO EXISTING CONDUCTORS IN JUNCTION BOX.
3. REMOVE EXISTING LUMINAIRE STANDARD FROM ELBOW MOUNT. FURNISH AND INSTALL NEW TAPERED, ROUND POLE, BASE, AND LED FIXTURE ON EXISTING BRIDGE ELBOW MOUNT PER WSDOT STANDARD PLANS J-28.10-02, J-28.45-03, J-28.70-04, AND I-405 URBAN DESIGN CRITERIA. VERIFY BOLT PATTERN AND CONDITION OF THE EXISTING ANCHOR BOLTS BEFORE ORDERING THE POLE. SEE LUMINAIRE SCHEDULE FOR DETAILS.
4. REMOVE EXISTING LUMINAIRE STANDARD, FOUNDATION, AND ASSOCIATED CONDUCTOR(S) UP TO SPLICE POINT. SALVAGE PER PROJECT SPECIFICATIONS.
5. REMOVE EXISTING CONDUCTOR(S) AND/OR JUNCTION BOX. CUT OFF UPSWEEPS (IF ANY) AND ABANDON UNDERGROUND CONDUIT. BACKFILL VOID. SALVAGE PER PROJECT SPECIFICATIONS.
6. SEE ITS PLANS FOR CABINET REMOVAL.
7. REPLACE EXISTING FIXTURE WITH NEW LED FIXTURE. SEE LUMINAIRE SCHEDULE FOR DETAILS.
8. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-28.30-03. FURNISH AND INSTALL TAPERED, ROUND POLE, BASE, AND LED FIXTURE PER WSDOT STANDARD PLANS J-28.10-02, J-28.40-02, J-28.70-04, AND I-405 URBAN DESIGN CRITERIA (RFP APPENDIX L02). SEE LUMINAIRE SCHEDULE FOR DETAILS.
9. RELOCATE AND INSTALL EXISTING LIGHT STANDARD ON NEW FOUNDATION PER WSDOT STANDARD PLANS J-28.10-02, J-28.40-02, AND J-28.70-04. REPLACE EXISTING FIXTURE WITH NEW LED FIXTURE. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLANS J-28.30-03. SEE LUMINAIRE SCHEDULE FOR DETAILS.
10. FURNISH AND INSTALL NEW TAPERED, ROUND STEEL POLE AND LED FIXTURE ON BARRIER PER WSDOT STANDARD PLANS J-28.10-02, J-28.60-03, J-28.70-04, AND I-405 URBAN DESIGN CRITERIA. SEE LUMINAIRE SCHEDULE FOR DETAILS. SEE SHEET WD9 FOR WALL BARRIER MOUNTED LIGHT STANDARD FOUNDATION DETAIL. SEE SHEET BB49 FOR BRIDGE BARRIER MOUNTED LIGHT STANDARD FOUNDATION DETAIL. SEE WSDOT STANDARD PLAN C-85.15-02 FOR ROADWAY BARRIER MOUNTED LIGHT STANDARD FOUNDATION DETAIL.
11. INSTALL NEW CONDUIT INTO EXISTING JUNCTION BOX. SPLICE NEW CONDUCTORS TO EXISTING CONDUCTORS IN JUNCTION BOX.
12. INSTALL NEW CONDUIT INTO EXISTING JUNCTION BOX. FEED NEW CONDUCTORS THROUGH EXISTING JUNCTION BOX.
13. INTERCEPT EXISTING CONDUIT WITH NEW JUNCTION BOX.
14. INSTALL LUMINAIRE ON TYPE III SIGNAL POLE. SEE LUMINAIRE SCHEDULE FOR ARM AND FIXTURE DETAILS. SEE TRAFFIC SIGNAL PLANS FOR POLE AND FOUNDATION DETAILS.
15. INSTALL LUMINAIRE ON TYPE III RAMP METER POLE. SEE LUMINAIRE SCHEDULE FOR ARM AND FIXTURE DETAILS. SEE ITS PLANS FOR POLE AND FOUNDATION DETAILS.
16. INSTALL CONDUIT UNDER ROADWAY USING APPROVED DIRECTIONAL BORING METHODS.
17. REPLACE EXISTING SPARE CIRCUIT G BREAKER WITH 40 AMP BREAKER. CONNECT POWER CABLES FOR 522xf01072 TO CIRCUIT G, SUA 906.
18. INSTALL WSDOT ELECTRICAL SERVICE CABINET AND FOUNDATION PER WSDOT STD. PLAN J-10.21-02 AND J-10.22-03. SEE SERVICE BREAKER SCHEDULE FOR DETAILS.
19. REMOVE EXISTING CITY OF BOTHELL ELECTRICAL SERVICE CABINET AND FOUNDATION.

SEE DESIGN PACKAGE #7

20. INSTALL CITY OF KIRKLAND ELECTRICAL SERVICE CABINET PER KIRKLAND STANDARD PLAN CK-TS.10 AND CK-TS.11.

21. REPLACE EXISTING TRANSFORMER WITH NEW TRANSFORMER ON THE SAME PAD. SEE ITS TRANSFORMER BREAKER SCHEDULE FOR DETAILS.
22. INSTALL HOLOPHANE TUNNELPASS MEDIUM UNDERDECK LED LIGHT FIXTURE (TNLEDMED-K2-30K-HVOLT-CCB-A-SCRW). SEE LUMINAIRE SCHEDULE FOR FIXTURE DETAILS. SEE BA BRIDGE SHEETS FOR UNDERDECK LIGHTING FIXTURE MOUNTING DETAILS. THE LIGHT FIXTURE COLOR SHALL BE CASCADE GREEN PER I-405 URBAN DESIGN CRITERIA (RFP APPENDIX L02).
23. REPLACE EXISTING JUNCTION BOX AND EXTEND CONDUIT TO NEW JUNCTION BOX.
24. MODIFY EXISTING WSDOT SUA 4386 CIRCUITS AND BREAKERS PER BREAKER SCHEDULE DETAIL ON ILD22.
25. INSTALL CONDUITS IN CAST-IN-PLACE MOMENT SLAB PER WALL DETAIL WD1, WD2, AND WD5.

SEE BRIDGE SUBMITTAL FINAL WORKS PACKAGE

26. SEE BA BRIDGE SHEETS FOR CONDUIT ROUTING DETAILS FOR UNDERDECK LIGHTING FIXTURE.
27. INSTALL 6"x6"x16" NEMA 4X JUNCTION BOX ON PIER CAP PER WSDOT STANDARD PLAN J-40.39-00. SEE BA BRIDGE SHEETS FOR CONDUIT ROUTING DETAILS.
28. INSTALL CONDUIT BY BORING UNDERNEATH EXISTING BARRIER FOUNDATION.
29. SEE SN26 FOR SIGNING DESIGN.
30. INSTALL TWO 3.5" CONDUIT SLEEVES ACROSS THE WALL FOR TWO 2" CONDUIT INSTALLATION.
31. INSTALL NEW CONDUIT INTO EXISTING JUNCTION BOX. SPLICE NEW CONDUCTORS TO EXISTING CONDUCTORS FOR CKTS A AND C. FEED NEW CONDUCTORS FOR CKT B, D, AND E.
32. REPLACE EXISTING SUA 903, CKT C BREAKER AND CONTACTOR WITH NEW 20 AMP TWO POLE BREAKER AND 30 AMP CONTACTOR.
33. REMOVE EXISTING WALLPACK FIXTURES AND MOUNTING ASSEMBLIES. SALVAGE PER PROJECT SPECIFICATIONS.
34. INSTALL TYPE 2 JUNCTION BOX FOR FUTURE TRAFFIC SIGNAL TRANSFORMER CABINET. CONTRACTOR SHALL COORDINATE AND LOCATE THE TYPE 2 JUNCTION BOX WITHIN 5 FEET OF FUTURE TRAFFIC SIGNAL TRANSFORMER CABINET. INSTALL 2-2" CONDUIT STUB OUT FOR FUTURE SIGNAL TRANSFORMER CABINET.
35. INSTALL 6"X6"X6" NEMA 4X JUNCTION BOX ON EXISTING BARRIER PER WSDOT STD. PLAN J-40.39-00. INSTALL 2" GALVANIZED RIGID METAL SURFACE MOUNTED CONDUIT BETWEEN THE NEMA BOX AND TYPE 1 JUNCTION BOX PER WSDOT STD. PLAN J-60.13-00 AND THE CONDUIT DEFLECTION FITTING PER WSDOT STD. PLAN J-60.12-00.
36. SPLICE NEW CKT G AND CKT H CONDUCTORS TO EXISTING CKT G AND H CONDUCTORS IN NEW JUNCTION BOX. FEED NEW CKT B AND C CONDUCTORS THROUGH NEW JUNCTION BOX TO EXISTING SUA 4419.
37. REMOVE EXISTING SERVICE CABINET AND PAD COMPLETELY. REMOVE CONDUIT SWEEPS, ABANDON EXISTING CONDUIT. SALVAGE PER PROJECT SPECIFICATION.
38. SPLICE NEW CKT D AND H CONDUCTORS TO EXISTING CKT D AND H CONDUCTORS IN JUNCTION BOX. FEED NEW CKT A CONDUCTORS THROUGH JUNCTION BOX TO EXISTING SUA 3388.
39. SEE ITS PLANS FOR ADDITIONAL CONDUIT AND JUNCTION BOX INSTALLATION.
40. SEE BA BRIDGE SHEETS FOR CONDUIT ROUTING DETAILS.
41. UPSIZE MAIN BREAKER OF THE EXISTING SERVICE CABINET. SEE BREAKER SCHEDULE FOR DETAILS.

SEE DESIGN PACKAGE TBD

50. CONNECT LIGHTING CIRCUIT CONDUCTORS TO SOUND TRANSIT MAIN DISTRIBUTION PANEL IN ELECTRICAL ROOM. SEE TRANSIT HUB PLANS FOR PANEL INFORMATION.
51. FURNISH AND INSTALL SOUND TRANSIT ROADWAY TAPERED, ROUND LIGHT POLE, BASE PER WSDOT STANDARD PLANS J-28.10-02, J-28.40-02, J-28.70-04, AND I-405 URBAN DESIGN CRITERIA (RFP APPENDIX L02). FOUNDATION SHALL BE CONSTRUCTED PER WSDOT STANDARD PLAN J-28.30-03. FIXTURE SHALL BE LUMEC ROADFOCUS LED COBRA HEAD (RFL-225W100LED-3K-G2-R3M-UNV-NRC-GY3). SEE LUMINAIRE SCHEDULE FOR DETAILS.
52. INSTALL SOUND TRANSIT PEDESTRIAN LIGHT STANDARD AND FOUNDATION. POLE SHALL BE LSI SQUARE STRAIGHT STEEL POLE (5SQ-B5-S11G-13-S/D180/T90-XXX), WITH MOUNTING CONFIGURATION FOR SINGLE, DOUBLE 180 DEGREE, OR TRIPLE 90 DEGREE FIXTURES AS INDICATED ON THE LUMINAIRE SCHEDULE. FOUNDATION SHALL BE INSTALLED PER STXXX. FIXTURE SHALL BE MIRADA SMALL AREA LIGHT. SEE LUMINAIRE SCHEDULE FOR DETAILS.
53. INSTALL HOLOPHANE WALLCONNECT LED WALLPACK LIGHT FIXTURE (WCNG P1 30K T3M 480 20KV GYSDP LTCH PR7 SH WCNLWG). SEE LUMINAIRE SCHEDULE FOR FIXTURE DETAILS.
54. INSTALL SOUND TRANSIT PEDESTRIAN LIGHT STANDARD ON BARRIER FOUNDATION PER BRIDGE DRAWING BQ08. POLE SHALL BE LSI SQUARE STRAIGHT STEEL POLE (5SQ-B5-S11G-13-S-XXX), WITH MOUNTING CONFIGURATION FOR SINGLE FIXTURE AS INDICATED ON THE LUMINAIRE SCHEDULE. FIXTURE SHALL BE MIRADA SMALL AREA LIGHT. SEE LUMINAIRE SCHEDULE FOR DETAILS.

SEE DESIGN PACKAGE #7

55. RELOCATE AND INSTALL EXISTING KING COUNTY METRO LIGHT STANDARD ON NEW FOUNDATION. REPLACE EXISTING FIXTURE WITH NEW LED FIXTURE. CONSTRUCT FOUNDATION PER STRUCTURE SHEET STXXX. SEE LUMINAIRE SCHEDULE FOR DETAILS.
56. INSTALL CITY OF KIRKLAND PEDESTRIAN LIGHT POLE AND FOUNDATION PER CITY OF KIRKLAND STANDARDS CK-R.47E. SEE LUMINAIRE SCHEDULE FOR DETAILS.
57. INSTALL PSE DIRECT BURY LIGHT POLE AND LUMINAIRE PER PSE STANDARDS. SEE LUMINAIRE SCHEDULE FOR DETAILS.
58. INSTALL CONDUIT AND PULL STRING PER PSE STANDARDS. PSE SHALL INSTALL WIRING. SEE PSE ILLUMINATION PLANS FOR CIRCUITRY DESIGN.
59. INSTALL STREET LIGHTING HANDHOLE PER PSE STANDARDS.
60. REMOVE EXISTING UNDERDECK FIXTURE AND RESTORE BRIDGE DECK SURFACE.
70. RELOCATE EXISTING COMMUNITY TRANSIT ELECTRICAL SERVICE CABINET.
71. SNOHOMISH PUD TO INSTALL THE LIGHT STANDARD, PEDESTAL, AND ASSOCIATED WIRING. CONTRACTOR TO TRENCH AND INSTALL CONDUITS AND DIG WORK PITS FOR PEDESTAL AND LIGHT STANDARD INSTALLATION.
72. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-28.30-03. FURNISH AND INSTALL TAPERED, ROUND POLE, BASE, AND LED FIXTURE PER WSDOT STANDARD PLAN J-28.10-02, J-28.40-02, AND J-28.70-04. SEE LUMINAIRE SCHEDULE FOR DETAILS.
73. INSTALL CITY OF BOTHELL ELECTRICAL SERVICE CABINET. SEE ILD105 AND BREAKER SCHEDULE FOR DETAILS.
100. INSTALL ANCHOR/SLIP PLATE ASSEMBLY EQUIPMENT PER STANDARD PLAN J-28.42-01. (3)

RELEASED FOR CONSTRUCTION
9/10/2025

FILE NAME	c:\pwworking\uswa\dms08398\C9727_PS_ILN01.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	10:06:18 AM				10	WASH	
DATE	8/20/2025						
PLOTTED BY	Gary.Hung						
DESIGNED BY	A HUANG	REV 3 NDC 082	08/28/25	YW	JOB NUMBER		
ENTERED BY	G HUNG	REV 2 RFC SEG 3 DESIGN PACKAGE	10/30/24	YW	22AB17		
CHECKED BY	Y WEN	REV 1 RFC SEG 1 DESIGN PACKAGE	09/20/24	YW	CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	J SLAVICEK	REV 0 RFC SEG 2 DESIGN PACKAGE	08/07/24	YW	9727		XL5446
REGIONAL ADM.	L HODGSON	REVISION	DATE	BY			

YUAN WEN — STATE OF WASHINGTON — 20074 — REGISTERED PROFESSIONAL ENGINEER
08/28/2025
DATE
P.E. STAMP BOX

AECOM
concord ENGINEERING

Washington State Department of Transportation
SKANSKA

I-405
BRICKYARD TO SR527
IMPROVEMENT PROJECT

ILLUMINATION CONSTRUCTION NOTES

PLAN REF NO
ILN01

SHEET
OF
SHEETS

LUMINAIRE SCHEDULE

EXISTING WSDOT SERVICE SUA 4386

LUMINAIRE NUMBER	CIRCUIT	LOCATION STATION	LOCATION OFFSET	TYPE - DISTRIBUTION	WATTAGE CLASS	MAST ARM	H1	POLE COLOR	BASE TYPE	*FOUNDATION TYPE	SHEET REFERENCE	COMMENTS
M1	*A*	*EX*	*EX*	** III - MED CUTOFF	250	*6 FT*	*40 FT*	*CASCADE GREEN*		*ELBOW*	IL09	
M2	*A*	*EX*	*EX*	** III - MED CUTOFF	400	*8 FT*	*40 FT*	*CASCADE GREEN*		*ELBOW*	IL09	
M3	*A*	*EX*	*EX*	** III - MED CUTOFF	400	*8 FT*	*50 FT*	*CASCADE GREEN*		*ELBOW*	IL09	
M4	*A*	*EX*	*EX*	** III - MED CUTOFF	400	*16 FT*	*50 FT*	*CASCADE GREEN*	*FIXED*	*EX*	IL24	
M5	*A*	*EX*	*EX*	** III - MED CUTOFF	400	*16 FT*	*50 FT*	*CASCADE GREEN*	*SLIP*	*EX*	IL24	
M6	*A*	*EX*	*EX*	** III - MED CUTOFF	200	*16 FT*	*50 FT*	*CASCADE GREEN*	*SLIP*	*EX*	IL24	
M7	*A*	*EX*	*EX*	** III - MED CUTOFF	400	*16 FT*	*50 FT*	*CASCADE GREEN*	*SLIP*	*EX*	IL24	
M8	*H*	*EX*	*EX*	** III - MED CUTOFF	200	*12 FT*	*50 FT*	*CASCADE GREEN*	*FIXED*	*EX*	IL09	
M9	*H*	*EX*	*EX*	** III - MED CUTOFF	750	*12 FT*	*50 FT*	*CASCADE GREEN*	*SLIP*	*EX*	IL09	
M10	*H*	*EX*	*EX*	** III - MED CUTOFF	400	*12 FT*	*50 FT*	*CASCADE GREEN*	*SLIP*	*EX*	IL08	
M11	*H*	*EX*	*EX*	** III - MED CUTOFF	400	*12 FT*	*50 FT*	*CASCADE GREEN*	*FIXED*	*EX*	IL08	
M12	*H*	*EX*	*EX*	** III - MED CUTOFF	310	*12 FT*	*50 FT*	*CASCADE GREEN*	*FIXED*	*EX*	IL08	
M13	*H*	*EX*	*EX*	** III - MED CUTOFF	400	*12 FT*	*50 FT*	*CASCADE GREEN*	*FIXED*	*EX*	IL08	
M14	*H*	*EX*	*EX*	** III - MED CUTOFF	310	*12 FT*	*50 FT*	*CASCADE GREEN*	*FIXED*	*EX*	IL08	
M15	*H*	*EX*	*EX*	** III - MED CUTOFF	400	*12 FT*	*50 FT*	*CASCADE GREEN*	*FIXED*	*EX*	IL08	
M16	*H*	*EX*	*EX*	** III - MED CUTOFF	400	*12 FT*	*50 FT*	*CASCADE GREEN*	*FIXED*	*EX*	IL08	
M17	*H*	*EX*	*EX*	** III - MED CUTOFF	400	*12 FT*	*50 FT*	*CASCADE GREEN*	*FIXED*	*EX*	IL08	
M18	*H*	*EX*	*EX*	** III - MED CUTOFF	310	*12 FT*	*50 FT*	*CASCADE GREEN*	*FIXED*	*EX*	IL07	
M19	*H*	*EX*	*EX*	** III - MED CUTOFF	400	*12 FT*	*50 FT*	*CASCADE GREEN*	*FIXED*	*EX*	IL07	
M20A	*B*	**NB I-405 5409+80.9**	**45.7'RT**	**III - MED CUTOFF**	**750**	**12 FT**	**50 FT**	**CASCADE GREEN**	**FIXED**	****** 12 FT**	**IL09**	**DOUBLE ARM**
M20B				**III - MED CUTOFF**	**400**	**12 FT**						
M21A	*B*	**NB I-405 5407+21.5**	**47.0'RT**	**III - MED CUTOFF**	**400**	**12 FT**	**50 FT**	**CASCADE GREEN**	**FIXED**	****** 12 FT**	**IL09**	**DOUBLE ARM**
M21B				**III - MED CUTOFF**	**400**	**12 FT**						
M22A	*B*	**NB I-405 5404+55.6**	**47.9'RT**	**III - MED CUTOFF**	**400**	*12 FT*	*50 FT*	*CASCADE GREEN*	*FIXED*	****** 12 FT**	**IL08**	**DOUBLE ARM**
M22B				**III - MED CUTOFF**	**400**	*12 FT*						
M23A	*B*	**NB I-405 5401+73.0**	**49.7'RT**	**III - MED CUTOFF**	**400**	*12 FT*	*50 FT*	*CASCADE GREEN*	*FIXED*	****** 12 FT**	**IL08**	**DOUBLE ARM**
M23B				**III - MED CUTOFF**	**400**	*12 FT*						
M24A	*B*	**NB I-405 5398+76.4**	**49.1'RT**	**III - MED CUTOFF**	**400**	*12 FT*	*50 FT*	*CASCADE GREEN*	*FIXED*	**-**	**IL08**	**DOUBLE ARM**
M24B				**III - MED CUTOFF**	**400**	*12 FT*						
M25A	*B*	**NB I-405 5396+0.9**	**56.1'RT**	**III - MED CUTOFF**	**310**	**12 FT**	**50 FT**	**CASCADE GREEN**	**FIXED**	**-**	**IL08**	**DOUBLE ARM**
M25B				**III - MED CUTOFF**	**310**	**12 FT**						

SEE DESIGN PACKAGE #TBD

LUMINAIRE SCHEDULE

EXISTING WSDOT SERVICE SUA 906

LUMINAIRE NUMBER	CIRCUIT	LOCATION STATION	LOCATION OFFSET	TYPE - DISTRIBUTION	WATTAGE CLASS	MAST ARM	H1	POLE COLOR	BASE TYPE	*FOUNDATION TYPE	SHEET REFERENCE	COMMENTS
H1	*D*	*EX*	*EX*	** III - MED CUTOFF	400	*16 FT*	*45 FT*	*GRAY*		*BARRIER*	IL24	
H2	*D*	*EX*	*EX*	** III - MED CUTOFF	400	*16 FT*	*50 FT*	*GRAY*	*SLIP*	*EX*	IL24	
H3	*D*	*EX*	*EX*	** III - MED CUTOFF	250	*16 FT*	*50 FT*	*GRAY*		*BARRIER*	IL24	
H4	*D*	*EX*	*EX*	** III - MED CUTOFF	400	*16 FT*	*50 FT*	*GRAY*	*FIXED*	*EX*	IL28	
H5	*D*	*EX*	*EX*	** III - MED CUTOFF	750	*16 FT*	*50 FT*	*GRAY*	*SLIP*	*EX*	IL11	HMLED4 P3 30K XVOLT AW HMLED4D180
H6	**D**	**SB405-WB522 66+79.0**	**26.6'LT**	**III - MED CUTOFF**	**750**	**12 FT**	**50 FT**	**CASCADE GREEN**	**FIXED**	**A**	**IL11**	**HMLED4 P3 30K XVOLT AW HMLED4D180**
H7	*A*	*EX*	*EX*	** III - MED CUTOFF	400	*16 FT*	*50 FT*	*GRAY*	*SLIP*	*EX*	IL24	
H8	*A*	*EX*	*EX*	** III - MED CUTOFF	400	*16 FT*	*50 FT*	*GRAY*	*SLIP*	*EX*	IL24	
H9	**A**	**522 PED 12+87.0**	**132.2'RT**	**III - MED CUTOFF**	*****16**	**-**	**10.3 FT**	**CASCADE GREEN**	**WALLPACK**		**IL24**	**WCNG P1 30K T3M 480 20KV XXXXX LTCH PR7 SH WCNLWG**
H10	**A**	**522 PED 13+10.9**	**99.7'RT**	**III - MED CUTOFF**	*****16**	**-**	**10.3 FT**	**CASCADE GREEN**	**WALLPACK**		**IL24**	**WCNG P1 30K T3M 480 20KV XXXXX LTCH PR7 SH WCNLWG**
H11	**A**	**522 PED 13+37.4**	**62.1'RT**	**III - MED CUTOFF**	*****16**	**-**	**10.3 FT**	**CASCADE GREEN**	**WALLPACK**		**IL24**	**WCNG P1 30K T3M 480 20KV XXXXX LTCH PR7 SH WCNLWG**
H12	**A**	**522 PED 13+68.3**	**10.4'RT**	**III - MED CUTOFF**	*****16**	**-**	**10.3 FT**	**CASCADE GREEN**	**WALLPACK**		**IL24**	**WCNG P1 30K T3M 480 20KV XXXXX LTCH PR7 SH WCNLWG**
H13	**A**	**522 PED 13+85.6**	**19.6'LT**	**III - MED CUTOFF**	*****16**	**-**	**10.3 FT**	**CASCADE GREEN**	**WALLPACK**		**IL24**	**WCNG P1 30K T3M 480 20KV XXXXX LTCH PR7 SH WCNLWG**
H14	**A**	**522 PED 14+02.3**	**57.7'LT**	**III - MED CUTOFF**	*****16**	**-**	**10.3 FT**	**CASCADE GREEN**	**WALLPACK**		**IL24**	**WCNG P1 30K T3M 480 20KV XXXXX LTCH PR7 SH WCNLWG**
H15	**A**	**SEE NOTE 1**		**III - MED CUTOFF**	**400**	**12 FT**	**50 FT**	**CASCADE GREEN**	**SLIP**	**-**	**IL24**	

SEE DESIGN PACKAGE #8

NOTE 1: INSTALL LIGHT STANDARD H15 AT EB SR522 MILE POST 10.688, 31.1' RT, LOCATED 238 FT FROM THE NEXT POLE H8 ALONG EB SR 522. POLE SHALL BE 18 FT FROM THE EXISTING FOG LINE.

NOTES:

* FOR FIXED OR SLIP BASE, SEE WSDOT PLAN J-28.30-03 FOR TYPE A AND B LIGHT POLE STANDARD FOUNDATION DEPTHS. COORDINATE WITH CIVIL CONTRACTOR TO ENSURE THE GRADING AROUND THE FOUNDATION MEETS THE REQUIREMENTS AS SPECIFIED IN WSDOT STANDARD PLAN J-28.24-02 AND J-28.22-00 FOR FIXED BASE AND SLIP BASE RESPECTIVELY.

** REPLACE EXISTING HPS FIXTURE WITH NEW LED FIXTURE.

*** ACTUAL FIXTURE WATTAGE.

**** SPECIAL FOUNDATION SHALL BE CONSTRUCTED PER WSDOT STANDARD PLAN J-28.30-03, EXCEPT TO THE SHAFT DEPTH AS SPECIFIED IN THE LUMINAIRE SCHEDULE. FOUNDATIONS SHALL BE CONSTRUCTED BY METHOD 2 AS DETAILED IN STANDARD PLAN J-28.30-03.

RELEASED FOR CONSTRUCTION
9/10/2025

FILE NAME	c:\pwworking\uswa\dms08398\C9727_PS_ILN07.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	10:38:02 AM						
DATE	8/20/2025						
PLOTTED BY	Gary.Hung				JOB NUMBER 22AB17		
DESIGNED BY	A HUANG						
ENTERED BY	A BUCHARD						
CHECKED BY	Y WEN	REV 1 NDC 082 RFC / SEG 2 DESIGN PKG RFC	08/28/25	YW	CONTRACT NO. 9727		LOCATION NO. XL5446
PROJ. ENGR.	J SLAVICEK	REV 0 RFC SEG 2 DESIGN PACKAGE	08/07/24	YW			
REGIONAL ADM.	L HODGSON	REVISION	DATE	BY			

YUAN WEN — STATE OF WASHINGTON — 24000 — REGISTERED PROFESSIONAL ENGINEER
08/28/2025
DATE
P.E. STAMP BOX

AECOM
concord ENGINEERING

Washington State Department of Transportation
SKANSKA

I-405
BRICKYARD TO SR527
IMPROVEMENT PROJECT

ILLUMINATION SCHEDULES

PLAN REF NO ILN07

SHEET OF SHEETS

NOTES:

1. SEE ILN00 FOR ABBREVIATIONS, LEGENDS, AND GENERAL NOTES.
2. SEE ILN01 FOR CONSTRUCTION NOTES.
3. SEE ILN02-ILN10 FOR LUMINAIRE SCHEDULE.
4. SEE ILN11-ILN15 FOR WIRING SCHEDULE.
5. ALL EXISTING LIGHT STANDARDS, CONDUITS, AND JUNCTION BOXES TO REMAIN UNLESS OTHERWISE NOTED.

0 50 100
SCALE IN FEET

BOTHELL - EVERETT HIGHWAY

EXISTING SUA3389

EB527-SB405 LINE

NEW 405xf02670

EXISTING 405xf02665

EXISTING 405xf02674

SB405 LINE

SB I-405

NB405 LINE

NEW 405xf02669

EB527-NB405 LINE

NEW 405xf02676

SB405-527DA LINE

SB405-EB527 LINE

SR527 FAST LINE

SEE ILD104

SEE DESIGN PACKAGE #8

SEE SHEET IL31

MATCH LINE SB405 4223+50 SEE SHEET IL20

MATCH LINE SB405 4237+50 SEE SHEET IL22

RELEASED FOR CONSTRUCTION
9/10/2025

FILE NAME	c:\pwworking\uswa\dms06742\C9727_PS_IL21.dgn						
TIME	12:02:23 PM				REGION NO.	STATE	FED.AID PROJ.NO.
DATE	9/3/2025				10	WASH	
PLOTTED BY	andrewh				JOB NUMBER		
DESIGNED BY	M HORNE				22AB17		
ENTERED BY	M HORNE				CONTRACT NO.		LOCATION NO.
CHECKED BY	A HUANG	REV 1 NDC 082 RFC / SEG 3 DESIGN PKG RFC	08/28/2025	DS	9727		XL5446
PROJ. ENGR.	J SLAVICEK	REV 0 RFC SEG 3 DESIGN PACKAGE	10/30/2024	DS			
REGIONAL ADM.	L HODGSON	REVISION	DATE	BY			

DEBASHIS SAHA — STATE OF WASHINGTON — 21000827 — REGISTERED PROFESSIONAL ENGINEER
08/28/2025
P.E. STAMP BOX — DATE

AECOM
concord ENGINEERING

Washington State Department of Transportation
SKANSKA

I-405
BRICKYARD TO SR527
IMPROVEMENT PROJECT

ILLUMINATION PLAN

PLAN REF NO
IL21

SHEET
OF
SHEETS

BREAKER SCHEDULE TYPE E					EXISTING SUA 3954 480V	
CIRCUIT	DESCRIPTION	BREAKER TYPE	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
	MAIN	*2P*	*100A*			
A	*ILLUMINATION A*	*2P*	*20A*	*30A*	*480*	*2.0*
B	*ILLUMINATION B*	*2P*	*20A*	*30A*	*480*	**0.9**
C	*405xf02116*	*2P*	*40A*	-	*480*	*15.0*
D	*XFMR*	*2P*	*15A*	-	*480*	*3.0*
E	*405xf02132*	*2P*	*15A*	-	*480*	*5.0*
F	**405xf02156**	**2P**	**20A**	-	**480**	**7.5**
	INTERNAL MAIN	*2P*	*30A*	-	*480/120*	-
	CONTROL	*1P*	*15A*	-	*120*	*0.001**
	HEAT	*1P*	*15A*	-	*120*	*0.1**
	GFR	*1P*	*15A*	-	*120*	*1.8**
	405es02136 (ES736D)	*1P*	*30A*	-	*120*	*EX**
				PEAK		**33.4**
				CONTINUOUS		**31.4**

*** THESE LOADS DRAWN OFF INTERNAL TRANSFORMER.**

BREAKER SCHEDULE TYPE E					EXISTING SUA 5545 480V	
CIRCUIT	DESCRIPTION	BREAKER TYPE	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
	MAIN	*2P*	*200A*			
A	*ILLUMINATION A*	*2P*	*30A*	*30A*	*480*	**2.5**
B	**405xf02202**	*2P*	*70A*	-	*480*	**15.0**
C	**405xf02183**	*2P*	*70A*	-	*480*	**25.0**
D	**405xf02178**	*2P*	*30A*	**-**	*480*	**10.0**
E	**405xf02210**	*2P*	*30A*	**-**	*480*	**7.5**
F	*INTERNAL TRANSFORMER*	*2P*	*15A*	-	*480*	*3.0*
	TRANSFORMER SECONDARY	*1P*	*35A*	-	*120*	-
	GFCI	*1P*	*20A*	-	*120*	*1.8**
	HEAT STRIP	*1P*	*15A*	-	*120*	*0.1**
	PHOTOCELL	*1P*	*15A*	-	*120*	*0.001**
				PEAK		**63.0**
				CONTINUOUS		**61.0**

*** THESE LOADS DRAWN OFF INTERNAL TRANSFORMER.**

BREAKER SCHEDULE TYPE E					EXISTING SUA 4072 480V	
CIRCUIT	DESCRIPTION	BREAKER TYPE	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
	MAIN	*2P*	*250A*			
A	*ILLUMINATION A*	*2P*	*30A*	*30A*	*480*	**6.3** 1
B	*ILLUMINATION B*	*2P*	*30A*	*30A*	*480*	**3.3**
C	*ILLUMINATION C*	*2P*	*30A*	*30A*	*480*	*1.5*
D	*ILLUMINATION D*	*2P*	*30A*	*30A*	*480*	**3.4**
E	*405xf02254 (BOTHELL HUB)*	*2P*	*100A*	-	*480*	*37.5*
F	**SPARE (405xf02232)**	*2P*	*15A*	-	*480*	**0.0**
G	*405xf02253*	*2P*	*40A*	-	*480*	*15.0*
H	**405xf02232**	*2P*	*30A*	-	*480*	**7.5**
I	*SPARE*	*2P*	*30A*	-	*480*	-
J	*INTERNAL TRANSFORMER*	*2P*	*20A*	-	*480*	*3.0*
	TRANSFORMER SECONDARY	*1P*	*80A*	-	*120*	-
	GFCI	*1P*	*20A*	-	*120*	*1.8**
	HEAT STRIP	*1P*	*15A*	-	*120*	*0.1**
	PHOTOCELL	*1P*	*15A*	-	*120*	*0.001**
				PEAK		**77.5**
				CONTINUOUS		**75.5** 1

*** THESE LOADS DRAWN OFF INTERNAL TRANSFORMER.**

BREAKER SCHEDULE TYPE E					EXISTING SUA 903 480V	
CIRCUIT	DESCRIPTION	BREAKER TYPE	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
	MAIN	*2P*	*100A*			
A	*ILLUMINATION A*	*2P*	*20A*	-	*480*	**2.8**
B	*ILLUMINATION B*	*2P*	**30A**	**30A**	*480*	**7.3**
C	*ILLUMINATION C*	*2P*	**20A**	**30A**	*480*	**4.5** 1
D	*XFMR*	*2P*	*20A*	-	*480*	*7.5*
E	*405xf02283*	*2P*	*20A*	-	*480*	*5.0*
	INTERNAL MAIN	*2P*	*70A*	-	*480/120*	-
	SIGNAL	*1P*	*50A*	-	*120*	*3.0**
	GFR	*1P*	*20A*	-	*120*	*1.8**
	HEAT	*1P*	*15A*	-	*120*	*0.1**
	SPARE	*1P*	*30A*	-	*120*	*0.0**
	IRRIGATION	*1P*	*15A*	-	*120*	*2.0**
	CONTROL	*1P*	*15A*	-	*120*	*0.001**
				PEAK		**27.1**
				CONTINUOUS		**25.1** 1

*** THESE LOADS DRAWN OFF INTERNAL TRANSFORMER.**

RELEASED FOR CONSTRUCTION
9/10/2025

FILE NAME	c:\pwworking\uswa\dms08399\C9727_PS_ILD20.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	2:01:53 PM				10	WASH	
DATE	8/27/2025				JOB NUMBER		
PLOTTED BY	Gary.Hung				22AB17		
DESIGNED BY	G HUNG						
ENTERED BY	G HUNG						
CHECKED BY	S RAHMAN	REV 1 NDC 082 RFC / SEG 1 DESIGN PKG RFC	08/28/25	YW	CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	J SLAVICEK	REV 0 RFC SEG 1 DESIGN PACKAGE	09/20/24	YW	9727		XL5446
REGIONAL ADM.	L HODGSON	REVISION	DATE	BY			

TUAN WEN — STATE OF WASHINGTON — 24017 — REGISTERED PROFESSIONAL ENGINEER
08/28/2025
DATE
P.E. STAMP BOX

AECOM
concord ENGINEERING

Washington State Department of Transportation
SKANSKA

I-405
BRICKYARD TO SR527
IMPROVEMENT PROJECT

SERVICE PANEL SCHEDULES

PLAN REF NO
ILD20

SHEET
OF
SHEETS