



1 TUNNEL LIGHTING PLAN
E155 SCALE: 1" = 50'

WEST THRESHOLD LIGHTING (FIXTURE STATION MATRIX)			
STATION DESIGNATION	LIGHTING FIXTURE TYPE/DESIGNATION	QUANTITY AT THIS STATION	BRANCH CIRCUIT
11-02.5	A	2	HWB-5/7
11-11.5	A	2	HWB-5/7
11-20.5	A	2	HWB-5/7
11-29.5	A	2	HWB-5/7
11-38.5	A	2	HWB-5/7
11-47.5	A	2	HWB-5/7
11-56.5	A	2	HWB-9/11
11-65.5	A	2	HWB-9/11
11-74.5	A	2	HWB-9/11
11-83.5	A	2	HWB-9/11
11-92.5	A	2	HWB-9/11
12-00	W	2	HWA-3
12-01.5	A	2	HWA-1/3
12-06.0	BR	2	HWA-1/3
12-10.5	A	2	HWB-9/11
12-19.5	A	2	HWB-9/11
12-28.5	A	2	HWB-9/11
12-33	BR	2	HWA-1/3
12-37.5	A	2	HWB-9/11
12-46	C	2	HWA-1
12-46.5	A	2	HWB-13/15
12-50	W	2	HWA-3
12-55.5	A	2	HWB-13/15

WEST TRANSITION (1) LIGHTING (FIXTURE STATION MATRIX)			
STATION DESIGNATION	LIGHTING FIXTURE TYPE/DESIGNATION	QUANTITY AT THIS STATION	BRANCH CIRCUIT
13-00	W	2	HWA-5
13-00.5	A	2	HWB-13/15
13-14	BR	2	HWA-5/7
13-27.5	A	2	HWB-13/15
13-41	BR	2	HWA-5/7
13-50	C	2	HWA-7
13-50	W	2	HWA-7
13-54.5	A	2	HWB-13/15
13-68	BR	2	HWA-5/7
13-81.5	A	2	HWB-13/15
13-95	BR	2	HWA-5/7
14-00	W	2	HWA-5
14-08.5	A	2	HWB-13/15

CENTER TRANSITION LIGHTING (FIXTURE STATION MATRIX)			
STATION DESIGNATION	LIGHTING FIXTURE TYPE/DESIGNATION	QUANTITY AT THIS STATION	BRANCH CIRCUIT
15-84	BR	2	HCA-1/3
16-00	C	2	HCA-1
16-00	W	2	HCA-3
16-11	B	2	HCB-1/3
16-38	BR	2	HCA-1/3
16-50	W	2	HCA-1
16-65	B	2	HCB-1/3
16-92	BR	2	HCA-1/3
17-00	W	2	HCA-3
17-19	B	2	HCB-1/3
17-46	BR	2	HCA-1/3
17-50	W	2	HCA-1
17-73	B	2	HCB-1/3
18-00	C	2	HCA-3
18-00	BR	2	HCA-1/3
18-00	W	2	HCA-1
18-27	B	2	HCB-1/3
18-50	W	2	HCA-3
18-54	BR	2	HCA-1/3
18-81	B	2	HCB-1/3
19-00	W	2	HCA-1
19-08	BR	2	HCA-1/3
19-35	B	2	HCB-1/3
19-50	W	2	HCA-3
19-62	BR	2	HCA-1/3
19-89	B	2	HCB-1/3
20-00	W	2	HCA-1
20-00	C	2	HCA-3

EAST TRANSITION (2) LIGHTING (FIXTURE STATION MATRIX)			
STATION DESIGNATION	LIGHTING FIXTURE TYPE/DESIGNATION	QUANTITY AT THIS STATION	BRANCH CIRCUIT
20-43	BR	2	HEA-9/11
20-50	W	2	HEA-9
20-56.5	B	2	HEB-17/19
20-70	BR	2	HEA-9/11
20-83.5	B	2	HEB-17/19
20-97	BR	2	HEA-9/11
21-00	W	2	HEA-11
21-10.5	B	2	HEB-17/19
21-24	BR	2	HEA-9/11
21-37.5	B	2	HEB-17/19
21-50	W	2	HEA-9
21-51	BR	2	HEA-9/11
21-64.5	B	2	HEB-17/19
21-78	BR	2	HEA-9/11

EAST THRESHOLD LIGHTING (FIXTURE STATION MATRIX)			
STATION DESIGNATION	LIGHTING FIXTURE TYPE/DESIGNATION	QUANTITY AT THIS STATION	BRANCH CIRCUIT
23-44.5	A	2	HEB-9/11
23-50	W	2	HEA-1
23-53.5	A	2	HEB-9/11
23-60	C	2	HEA-3
23-62.5	A	2	HEB-9/11
23-67	BR	2	HEA-1/3
23-71.5	A	2	HEB-9/11
23-80.5	A	2	HEB-9/11
23-89.5	A	2	HEB-9/11
23-94	BR	2	HEA-1/3
23-98.5	A	2	HEB-9/11

WEST TRANSITION (1) LIGHTING (FIXTURE STATION MATRIX)			
STATION DESIGNATION	LIGHTING FIXTURE TYPE/DESIGNATION	QUANTITY AT THIS STATION	BRANCH CIRCUIT
12-60	BR	2	HWA-5/7
12-73.5	A	2	HWB-13/15
12-87	BR	2	HWA-5/7

WEST TRANSITION (2) LIGHTING (FIXTURE STATION MATRIX)			
STATION DESIGNATION	LIGHTING FIXTURE TYPE/DESIGNATION	QUANTITY AT THIS STATION	BRANCH CIRCUIT
14-22	BR	2	HWA-5/7
14-35.5	B	2	HWB-17/19
14-49	BR	2	HWA-5/7
14-50	W	2	HWA-7
14-62.5	B	2	HWB-17/19
14-76	BR	2	HWA-5/7
14-89.5	B	2	HWB-17/19
15-00	W	2	HWA-5
15-03.0	BR	2	HWA-5/7
15-16.5	B	2	HWB-17/19
15-30	BR	2	HWA-5/7
15-43.5	B	2	HWB-17/19
15-50	W	2	HWA-5
15-57	BR	2	HWA-5/7
15-70.5	B	2	HWB-17/19

EAST TRANSITION (2) LIGHTING (FIXTURE STATION MATRIX)			
STATION DESIGNATION	LIGHTING FIXTURE TYPE/DESIGNATION	QUANTITY AT THIS STATION	BRANCH CIRCUIT
20-16	BR	2	HEA-9/11
20-29.5	B	2	HEB-17/19

EAST TRANSITION (1) LIGHTING (FIXTURE STATION MATRIX)			
STATION DESIGNATION	LIGHTING FIXTURE TYPE/DESIGNATION	QUANTITY AT THIS STATION	BRANCH CIRCUIT
21-91.5	A	2	HEB-13/15
22-00	W	2	HEA-5
22-05	BR	2	HEA-5/7
22-18.5	A	2	HEB-13/15
22-32	BR	2	HEA-5/7
22-45.5	A	2	HEB-13/15
22-50	W	2	HEA-7
22-50	C	2	HEA-5
22-59	BR	2	HEA-5/7
22-72.5	A	2	HEB-13/15
22-86	BR	2	HEA-5/7
22-99.5	A	2	HEB-13/15
23-00	W	2	HEA-7
23-13	BR	2	HEA-5/7
23-26.5	A	2	HEB-13/15
23-40	BR	2	HEA-5/7

GENERAL NOTES:

- FIXTURES SHALL BE LOCATED AT STATIONS AS SHOWN UNLESS INDICATED OTHERWISE. IN GENERAL, FIXTURE SPACING BEGINS AT BOTH THE WEST AND EAST PORTALS AND PROGRESSES TOWARDS THE TUNNEL MIDPOINT. CIRCUITING NOT INDICATED ON THIS PLAN FOR CLARITY; REFERENCE DETAIL 1/E165, "TYPICAL TUNNEL LIGHTING PLAN" FOR TYPICAL CIRCUIT.
- REFERENCE DETAIL 2/E166, "TYPICAL TUNNEL CONDUIT SYSTEM DETAIL" FOR GENERAL CONDUIT ROUTING INFORMATION.
- BRANCH CIRCUITS SERVING BOTH 480 VOLT, SINGLE-PHASE LIGHTING FIXTURES AND 277 VOLT, SINGLE-PHASE LIGHTING FIXTURES SHALL BE PROVIDED WITH NEUTRAL CONDUCTOR(S).
- TUNNEL LIGHTING IS REDUCED DURING NIGHT-TIME HOURS BY SWITCHING-OFF FEEDERS SERVING PANELBOARD FOR SELECTED FIXTURES. PROVIDE CONTACTOR CONTROLLED BY PHOTO-ELECTRIC CELL FOR EACH PANELBOARD INDICATED; SEE DETAIL 1/E161 AND 4/E167 FOR FURTHER INFORMATION.

KEY NOTES:

- WEATHERPROOF, I.G. RECEPTACLE (TAYMAC #10370 OR EQUAL) FOR SECURITY CAMERA RECEPTACLE SHALL BE SERVED FROM PANELBOARD "LWA-2". EXTEND CONDUCTORS AND PROVIDE PULL BOXES AS REQUIRED. REFER TO SHEET 2/E160 FOR ADDITIONAL INFORMATION. VERIFY EXACT LOCATION WITH SECURITY CONSULTANT PRIOR TO INSTALLATION.
- WEATHERPROOF, I.G. RECEPTACLE (TAYMAC #10370 OR EQUAL) FOR SECURITY CAMERA RECEPTACLE SHALL BE SERVED FROM PANELBOARD "LEA-7". EXTEND CONDUCTORS AND PROVIDE PULL BOXES AS REQUIRED. REFER TO SHEET 4/E160 FOR ADDITIONAL INFORMATION. VERIFY EXACT LOCATION WITH SECURITY CONSULTANT PRIOR TO INSTALLATION.
- WEATHERPROOF, I.G. RECEPTACLE (TAYMAC #10370 OR EQUAL) FOR SECURITY CAMERA RECEPTACLE SHALL BE SERVED FROM PANELBOARD "LEA-6". EXTEND CONDUCTORS AND PROVIDE PULL BOXES AS REQUIRED. REFER TO SHEET 3/E160 FOR ADDITIONAL INFORMATION. VERIFY EXACT LOCATION WITH SECURITY CONSULTANT PRIOR TO INSTALLATION.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY LEOPOLDO F. RIOS, P.E., 58272 ON MAY 18, 1998

FINAL RECORD DRAWING
Date: 12/25/99

2 REVISION PER RFI # 906	
CHANGE ORDER	HDR 5-27-98
No.	REVISION
BY	DATE

TEXAS TURNPIKE AUTHORITY
ADDISON AIRPORT TUNNEL

TUNNEL LIGHTING PLANS

HDR HDR Engineering, Inc. SECTION XIII

DRAWN: WTD DATE: 12/05/96 DESIGNED: LR DATE: 08/28/96
 CHECKED: BL DATE: 08/28/96 SCALE: 1" = 50'

CONTRACT No. DNT-260 SHEET E155 OF 166

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