



BILL OF MATERIALS
U.S. 51 BUS. TUNNEL LIGHTING UNDER I-55

LEGEND

- ① CONDUIT IN TRENCH, 50mm, GALV. STEEL
- ② CONDUIT ATTACHED TO STRUCTURE, SIZE AS SHOWN ON PROP. TUNNEL LIGHTING PLAN.
- ③ SENSOR WIRING
- ④ SURVEILANCE VIDEO CAMERA WIRING
- ⑤ PROPOSED ELECTRIC SERVICE, 480/277, 3-PHASE, 4 WIRE
- ⑥ SERVICE CABLE, 3 - NO. 350 kcmil PLUS GROUND
- ① LIGHT POLE, GALV. STEEL, 15.2m (50') M.H.
- ② LIGHT POLE, GALV. STEEL, 9.0m (30') M.H.
- HANDHOLE

ITEM	UNIT	QUANTITY
TUNNEL LIGHTING CONTROL SYSTEM	L SUM	1
TUNNEL LUMINAIRE, 150 WATT HIGH PRESSURE SODIUM VAPOR	EACH	12
TUNNEL LUMINAIRE, 400 WATT HIGH PRESSURE SODIUM VAPOR	EACH	194
VIDEO CAMERA CONTROL SYSTEM	L SUM	1
ELECTRIC SERVICE INSTALLATION	EACH	1
CONDUIT IN TRENCH, 50MM DIA., GALVANIZED STEEL	METER	290
CONDUIT ATTACHED TO STRUCTURE, 30MM DIA., GALVANIZED STEEL	METER	500
CONDUIT ATTACHED TO STRUCTURE, 50MM DIA., GALVANIZED STEEL	METER	105
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 250MM X 200MM X 150MM	EACH	103
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 300MM X 250MM X 150MM	EACH	5
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 400MM X 400MM X 150MM	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	METER	7500
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	290
LIGHT POLE, GALVANIZED STEEL, 9.0M. M.H., TENON MOUNT	EACH	2
LIGHT POLE, GALVANIZED STEEL, 15.2M. M.H., TENON MOUNT	EACH	1
LIGHT POLE FOUNDATION, 600MM DIAMETER	METER	3.4
LIGHT POLE FOUNDATION, 750MM DIAMETER	METER	2

• ITEMS NOT INCLUDED IN TUNNEL LIGHTING. PAID FOR PER RESPECTIVE PAY ITEM.

NOTES

- PROPOSED SENSOR TO BE POSITIONED ONE (1) SIGHT STOPPING DISTANCE FROM THE TUNNEL ENTRANCE PORTAL AND MOUNTED ON GALV. STEEL POLE. THE POLE TO BE SETBACK 6m (20') FROM EDGE OF PAVEMENT AND NOTE LESS THAN 1.5m (5 FT.) BEHIND THE GUARDRAIL.
- CONTROLLER TO BE LOCATED APPROX. 15m (50') FROM THE BRIDGE PORTAL AND A MINIMUM OF 9m (30') FROM THE EDGE OF PAVEMENT. THE EXACT LOCATION SHALL BE ESTABLISHED BY THE ENGINEER.
- PER SPECIAL PROVISION, TUNNEL LIGHTING QUANTITIES FROM THE FIRST JUNCTION BOX TO THE LUMINAIRES ARE INCLUDED IN THE COST OF THE LUMINAIRES. THE BILL OF MATERIALS IS FOR REFERENCE ONLY AND INCLUDES ITEMS THAT ARE NOT PAID FOR SEPARATELY.
- THE COST OF THE SERVICE CABLE FROM THE METER TO THE TUNNEL LIGHTING CONTROLLER SHALL BE INCLUDED IN THE COST OF THE ELECTRICAL SERVICE INSTALLATION.

**TUNNEL LIGHTING
EXTERIOR LAYOUT**

REVISIONS		JOB NO. 94S2063
NAME	DATE	
		DATE 10/7/2009



LAYOUT	J.H.	10/7/2009
DRAWN	J.H.	
REVIEWED	D.H.	03/18/04
FILED		