ORDINANCE No. 112817

Law Department

COUNCIL BILL No. 105439

AN ORDINANCE relating t the City Li... Department increasin,, ... expendit... allowance in the 1986 B... of ... ity Light Department and ma... necessary changes in positions to pr... for relocation of the electrical distribution and streetlight systems as required by construction of the METRO Transit Tunnel and related street improvements and making an additional partially reimbursable appropriation from the Light Fund therefor.

RECD CMC APR 29 1986

4/1/86 Pass (Rice abstains)

COMPTROLLER FILE No.

Introduced: MAR 31 1986	By: EXECUTIVE REQUEST
Referred: MAR 31 1986	To: Energy
Referred: 4-14-86	To: Full Council
Referred:	To:
Reported: APR 28 1986	Second Reading: APR 28 1986
Third Reading: APR 28 1986	Signed: APR 28 1986
Presented to Mayor: APR 29 1986	Approved: MAY 5 1986
Returned to City Clerk: MAY 5 1986	Published:
Vetoed by Mayor:	Veto Published:
Passed over Veto:	Veto Sustained:

The City of Seattle--Legislati

REPORT OF COMMITTEE

Honorable President:

Your Committe on Energy

to which was referred the within Council Bill No. 105439 report that we have considered the same and respectfully recom

Pass (2-0 Rice abstaining)

4-14-86 Held one two weeks

Committee Chair

Law Department

The City of Seattle--Legislative Department

Date Reported and Adopted

REPORT OF COMMITTEE

Honorable President:

Your Committe on Energy

to which was referred the within Council Bill No. 105139

report that we have considered the same and respectfully recommend that the same:

Pass (2-0 Rice abstaining)

7-14-86 Hold one two weeks

Norman B. Rice

Committee Chair

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105439

ORDINANCE 112817

AN ORDINANCE relating to the City Light Department increasing the expenditure allowance in the 1986 Budget of the City Light Department and making the necessary changes in positions to provide for relocation of the electrical distribution and streetlight systems as required by construction of the METRO Transit Tunnel and related street improvements and making an additional partially reimbursable appropriation from the Light Fund therefor.

BE IT ORDAINED BY THE CITY OF SEATTLE AS FOLLOWS:

Section 1. As requested by the Superintendent of the City Light Department and recommended by the Mayor in materials contained in this ordinance file, to provide for the relocation of the electrical distribution and streetlight systems as required by the construction of the METRO Transit Tunnel and related street improvements, the expenditure allowance in the 1986 Budget of the City Light Department is hereby increased as follows:

Program Category	CFMS Grand Object	Amount
5400 - Material	52000 - Supplies	$348,800
8000 - Distribution Plant	51000 - Personal Services	$614,600
8000 - Distribution Plant	53000 - Other Services and Charges	$ 5,300
8000 - Distribution Plant	55000 - Government Services	$169,200
8000 - Distribution Plant	56000 - Capital Outlay	$571,000

For such purposes, the additional sum of One Million Seven Hundred Eight Thousand and Nine Hundred dollars ($1,708,900) is hereby appropriated from the Light Fund as a Utility expenditure not contemplated in the preparation of the 1986 Budget. The Light Fund shall be reimbursed to the maximum extent possible by funds to be received from METRO. The City Comptroller is authorized to draw and the City Treasurer to pay the necessary warrants and make the necessary transfers.

CS 19.2

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(To be used for all Ordinances except Emergency.)

Section 2. To implement the work required by METRO for the transit tunnel, the following positions are established in the City Light Department:

One (1) Associate Engineer, Civil

Three (3) Cable Splicer, Network

to be compensated at rates established for like positions in the Salary Ordinance. The Superintendent of the City Light Department is hereby authorized to fill the positions subject to the Personnel Ordinance and rules, and the following position is abrogated in the City Light Department:

One (1) Material Supplier Assigned Overhead

Section 3. Any act consistent with the authority and prior to the effective date of this Ordinance is hereby ratified and confirmed.

Section 4. This ordinance shall take effect and be in force thirty days from and after its passage and approval, if approved by the Mayor; otherwise it shall take effect at the time it shall become a law under the provisions of the city charter.

Passed by the City Council the 28th **day of** April **,** 1986**,**

and signed by me in open session in authentication of its passage this 28th **day of** April **,** 1986**.**

President of the City Council.

Approved by me this 5th **day of** May **,** 1986**.**

Mayor.

Filed by me this 5th **day of** May **,** 1986**.**

Norward J. Brooks

Attest:

City Comptroller and City Clerk.

(SEAL)

Published

By T. Theresa Dunbar

Deputy Clerk.

CSS 8.1.6

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G. B. #8163

City of Seattle

Executive Department-Office of Management and Budget
Gary Zarker, Director
Charles Royer, Mayor

March 10, 1986

The Honorable Douglas Jewett
City Attorney
City of Seattle

Dear Mr. Jewett:

The Mayor is proposing to the City Council that the enclosed legislation be adopted.

REQUESTING DEPARTMENT: Seattle City Light

SUBJECT: Ordinance relating to the City Light Department increasing the expenditure allowance in the 1986 Budget of the City Light Department and making the necessary changes in positions to provide for relocation of the electrical distribution and streetlight systems as required by construction of the METRO Transit Tunnel and related street improvements and making an additional partially reimbursable appropriation from the Light Fund therefor.

Pursuant to the City Council's S.O.P. 100-014, the Executive Department is forwarding this request for legislation directly to your office for review and drafting.

After reviewing this request and drafting appropriate legislation:

(X) File the legislation with the City Clerk for formal introduction to the City Council as an Executive Request.

(X) Do not file with City Council, but return the proposed legislation to OMB for our review. Return to Joan Walters.

Sincerely,

Charles Royer
Mayor

by

JIM RITCH
Acting Budget Director

JR/jw/cc

Enclosure

cc: Superintendent, Seattle City Light

MAR 11 1986

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Your
Seattle
City Light

Randall W. Hardy, Superintendent
Charles Royer, Mayor

March 5, 1986

RECD OMB MAR 06 1986

831717

Via the Mayor's Office
Attention Office of Management and Budget

The Honorable Norman Rice
Chair, City Council Energy Committee
Seattle City Council

Dear Councilmember Rice:

METRO Transit Tunnel Project

In 1986, the Municipality of Metropolitan Seattle (METRO) intends to begin construction of a two-way electric bus tunnel in downtown Seattle. Construction of the tunnel and related street improvements will require the relocation of portions of City Light's existing distribution system in the downtown area. City Light will also be required to install facilities to provide electrical service at the stations and terminals associated with the tunnel and to provide electrical power for the traction system at the three intermediate stations.

At the time City Light formulated its 1986 budget request and its CIP for the 1986-1991 period, many issues related to the level of City Light resources that would be required for the tunnel project were still unresolved. It was, therefore, not possible to develop a CIP project for the tunnel in sufficient detail for inclusion in the budget submittal. During the Council's deliberations on the budget, there was a great deal of discussion about the METRO tunnel and its impact on City Light, particularly in relation to manpower requirements in the Engineering and Utility Systems (EUS) Branch. The Department argued that a number of vacant EUS positions should not be abrogated, as Council staff had recommended, since they would ultimately be needed for work on the METRO tunnel. The Council decided to maintain the contested positions, pending receipt of a detailed request from City Light for the funds and staffing required for its tunnel-related work.

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A detailed description of the METRO Transit Tunnel Capital Improvement Project is enclosed. The total cost of City Light's investment in the METRO tunnel project is $6.5 million, of which $1.7 million will have to be obligated in 1986. The Department is requesting a net addition of three new positions for the Project. One existing position would be abrogated and four new positions, including three Cable Splicers and one Associate Civil Engineer, would be created.

The budget request is only for Project costs for work to be performed in 1986. The enclosed Project description and total cost estimate also identifies future year costs for 1987 through 1989 which will be included in our budget submittals for those years. The scope of work and cost sharing assumptions are consistent with the amended agreement with METRO on which the City Council is to be briefed. City Light is to be reimbursed at least 50 percent of the maximum Project costs. All work on the electric distribution system will be performed by City Light personnel and/or contracts to be awarded and managed by City Light.

To enable City Light to complete work on a schedule consistent with METRO's project schedule, it is imperative that we begin our work as soon as possible. My staff stands ready to provide whatever additional information may be required in your review of this Project and our budget request.

Yours truly,

Randall W. Hardy
Superintendent

TM:am

Enclosures

cc: Mayor Charles Royer
Deputy Mayor Cindy Maisel
Acting Deputy Mayor Gary Zarker
City Councilmembers
Office of Management and Budget

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PROJECT NARRATIVE

		DATE	INITIALS
	ORIGINAL	1/13/86	DD
	REVISION 1	2/26/86	DD
	REVISION 2		
	REVISION 3		

PROGRAM ELEMENT 8112

PROJECT TITLE: METRO TRANSIT TUNNEL

A. PROJECT DESCRIPTION - What Will Be Done, Why Necessary, Alternatives, Economic Analysis, Impacts If Not Done

(See Attachment A)

D. MILESTONES

	DATES FROM	DATES TO
(See Attachment B)		

B. MAJOR SCOPE CHANGES - From Last Year's Budget Submittal

NEW

C. BUDGET YEAR PLAN - What Specifically Will Be Done / Why Must It Be Done / Impacts of Not Doing

1986

Relocate distribution system in Third Avenue South Station and Pine Street areas.

Relocate service to Public Safety Building.

Design and procure equipment for communication cable relocation.

(See Attachment C)

E. FUNDING - OTHER SOURCES

	AMOUNT	DATES TO BE BILLED
METRO		

L 801-2 (3-82)

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ATTACHMENT A - PROGRAM ELEMENT 8112

PROJECT TITLE: METRO TRANSIT TUNNEL - PROGRAM ELEMENT 8112

A. PROJECT DESCRIPTION - What Will Be Done, Why Necessary, Alternatives, Economic Analysis, Impacts If Not Done

This project provides for the the City Light Department's efforts in support of The City of Seattle's agreements with the Municipality of Metropolitan Seattle (METRO) concerning construction of the METRO Transit Tunnel. The major items of work included in the project are: Relocation of City Light's electrical distribution and communication systems as required within the construction areas for the Transit Tunnel and related street improvements; provision of electrical service to five passenger stations; and provision of electrical service for traction power at three stations.

Authority for the work to be done by the City Light Department with partial reimbursement by METRO is contained in the Public Utilities Improvements Cooperation Agreement between The City of Seattle and the Municipality of Metropolitan Seattle (Memoranda of Agreement Nos. 1 and 3) and other agreements that will be executed by the City and METRO. The cost of providing electric service to the stations and the cost of providing traction power service will be billed to METRO in accordance with City Light Department Customer Service Requirements.

The Transit Tunnel project consists of twin bore and single bore tunnels basically following within City street rights-of-way on 3rd Avenue and Pine Street between the south terminal at Union Station (5th Avenue South and Jackson Street) and the northern terminal at 9th Avenue and Pine Street. The twin tunnel will be constructed by boring methods from the south terminal, northwest to and along 3rd Avenue, then turning east on Pine Street to the Westlake station at 4th Avenue and Pine Street. From the Westlake station to the north terminal, construction, of the single bore tunnel will be by cut and cover methods. Intermediate stations to be constructed are the 3rd Avenue south station in the vicinity of 3rd Avenue and James, the 3rd Avenue north station in the vicinity of 3rd Avenue and University, and the Westlake station at Westlake and Pine Street. The north and south terminals will be built on property to be acquired by METRO and will not occupy street right-of-way.

Impacts of the Project upon City Light Facilities and Physical Plant

Station Areas - The areas in which the project has its major impacts upon City Light plant are the station areas. The open cut construction method and required surface improvements for pedestrian access and ventilation facilities will require temporary support or essentially full removal and relocation of utilities on either a permanent or temporary basis.

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The design of the 3rd Avenue south station requires that the transformer vault serving the Public Safety Building be moved from 3rd Avenue to the north side of James Street. City Light will construct the new vault, and will install all electrical equipment within the vault. In addition, the vault serving the King County Court House must be modified to eliminate interference with the station.

Similarly, the transformer vault serving the Pacific Northwest Bell Building at 1200 - 3rd Avenue may have to be relocated due to its proximity to the 3rd Avenue north station.

The Westlake station will require complete relocation of facilities within the Pine Street right-of-way between the 3rd/4th Alley and the 5th/6th Alley.

Locations outside of Station Areas

The surface improvements being planned for 3rd Avenue and for Pine Street include new street paving, new sidewalks, tree plantings, new traffic signals, new furniture, and new streetlights. The extent of relocation required for tree plantings cannot be accurately determined until exact locations are determined. New streetlights will be furnished and installed by the Seattle Engineering Department. The City Light Department will provide electric service to the new streetlight system. This design cannot be accomplished until the number, size, and location of the streetlights are determined. The impacts upon other City Light facilities cannot be fully assessed and the mitigation measures designed until the design of surface improvements is completed.

One potentially major impact is the possibility of City Light's permit to utilize the 3rd Avenue areaway at the City Light Building being rescinded. The decision on this areaway has not yet been made. At this time we have assumed a minimal impact on the areaway and its usage.

Communications Cables

City Light has five communication cables in 3rd Avenue which run from the City Light Building to various locations and which will have to be relocated due to tunnel and station construction. Two cables run to City Light's Power Control Center at 157 Roy Street. One cable runs to the Municipal Building (this cable can be deactivated during construction), one cable to the 2nd and Main fire station, and one to the South Service Center at 4th Avenue South and South Spokane Street. These communication cables are used for voice communications, power monitoring information, and power control and alarm functions for City Light transmission circuits.

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PROJECT TITLE: METRO TRANSIT TUNNEL - PROGRAM ELEMENT 8112

The Department of Administrative Services is planning to install fiber-optic communication cables, for use as links in the City Light system, as part of their city-wide telephone project. Six fibers have been set aside for City Light use in each of two cables. City Light will pay a $150,000 one-time installation charge to DAS for its share of the cable cost. In addition, City Light will assist in the cable installation by providing safety-watch personnel, and furnishing and installing the necessary terminal equipment. Total cost is estimated to be $470,000 (including the DAS charge). The portion to be reimbursed by METRO is still to be agreed upon.

Major Activities for 1986 and Construction Coordination

The major elements of work to be done in 1986 include the relocation of electrical cables in the 3rd Avenue south station area, the construction of a new transformer vault to serve the Public Safety Building, some manhole and duct construction on Pike and Pine Streets, and design work and material acquisition for the communication cable installation.

The City of Seattle-METRO Agreement No. 3 provides that installation and connection of all electrical conductors will be done by City Light. It is anticipated that the construction of most new manholes, vaults, and electrical ducts will be done by METRO's contractors. Some manhole and duct construction will be done by City Light, or by City Light contractors, in order to meet METRO's schedule. By mutual agreement with METRO, City Light is responsible for the design of new electrical facilities to replace those lost due to tunnel and station construction. Design of new duct runs and manholes will be done by METRO consultants whenever possible.

Funding Reimbursement from METRO

Cost sharing will be based on the amended agreement with METRO. City Light will be reimbursed by METRO at least 50% of the project cost to a maximum amount.

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PROJECT TITLE: METRO TRANSIT TUNNEL - PROGRAM ELEMENT 8112

ASSUMPTIONS AND DECISION POINTS

The described project scope of work, milestones, labor hour estimates, and budget dollars are based on information made available to City Light by METRO and METRO's consulting engineers as of January 10, 1986. The design of the METRO stations will be only 60% complete by May 1, 1986; therefore, the full impact on City Light cannot be accurately determined at this time. In addition, there are numerous other issues to be resolved during the design phase of the overall METRO project.

The major items which need to be resolved, and the related assumptions upon which our budget submittal is based, are listed below. Only those items which we believe may have a significant impact requiring additional funding, alteration of the intergovernmental agreements, or the project schedule, are discussed.

1. Hours of Work

   City regulations presently restrict work in the downtown streets during rush hour periods and place severe noise restrictions during nighttime hours. Also, no work is permitted between Thanksgiving Day and New Years Day. These restrictions will not permit effective use of City Light's in-house labor forces and contractor crews in our efforts to comply with METRO's scheduling requirements. Our limited crew availability will necessitate the restrictions being lifted in order to allow timely completion. In making the agreement committments to METRO and formulating this budget, we have assumed that such restrictions will not apply. Failure to receive such reprieve will require schedule and budget revisions.

2. Electrical Work

   The submitted project estimates are based on City Light doing all electrical work. Our estimates and committments, however, are based upon an ability to recruit sufficient additional workforce as provided by this Budget request. Should the local labor pool fail to provide sufficient available, qualified labor for hire, these committments and budget estimates must be reconsidered.

3. 3rd Ave. South Station

   METRO has requested City Light to assume responsibility for construction of a needed new vault for the Public Safety Building and all other civil (non-electrical) construction work required for relocating City Light electrical system for the 3rd Avenue south station at 3rd and James.

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PROJECT TITLE: METRO TRANSIT TUNNEL - PROGRAM ELEMENT 8112

3. 3rd Avenue South Station (continued)

We have assumed the use of our annual service contractor for performance of this work. If City Light's annual service contractor is unable to perform this work for any reason, while maintaining METRO's schedule, responsibility for this civil construction would return to METRO. This decision will be made as soon as a Board of Public Works decision is obtained regarding this use of our service contractor.

4. Pacific Northwest Bell Service Relocation

The proposed design of the 3rd Avenue north station assumes that the electrical vault providing service to 1200 - 3rd Avenue will be relocated. Pacific Northwest Bell would provide a new vault within their building. Final station plans must be available by January 1, 1987 so that the feeder relocation can be coordinated with other relocation work. Failure to receive the station design drawings on time will delay the relocation and have ripple effect consequences to the Department's overall ability to meet METRO's schedule.

5. 3rd Avenue North Station

The proposed 3rd Avenue north station design requires significant modification or evacuation of City Light facilities at 3rd and University. Extensive construction of new ducts and manholes will be required. This intersection is presently very crowded with utilities. Again, an early design decision is needed from METRO on the full extent of relocation required. We have assumed a 75 percent relocation basis for our estimate in order to reflect work at this site; however, METRO's final design will ultimately govern, requiring possible renegotiation and budget revisions.

6. 3rd/4th Alley at Pine

The proposed Westlake station pedestrian access may require extensive modification to City Light Plant at the 3rd/4th Alley and Pine Street intersection. Detailed station plans are needed from METRO so that City Light can assess the impact and determine the extent of the relocation of its electrical and civil facilities at this site. We have assumed a 75 percent relocation basis for our estimate to reflect work at this site; however, METRO's final design will ultimately govern, requiring possible renegotiation and budget revisions.

7. City Light Facilities within Westlake Station

The Westlake station design essentially eliminates all City Light facilities in Pine Street between the 3rd/4th Alley and 5th/6th Alley. The long-range integrity and flexibility of City Light's distribution system requires that comparable civil facilities be provided in surrounding locations.

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PROJECT TITLE: METRO TRANSIT TUNNEL - PROGRAM ELEMENT 8112

7. City Light Facilities within Westlake Station (continued)

METRO agrees in principle, but has yet to commit to a schedule for the reconstruction or additions at City Light facilities to accomplish the reestablishment of comparable facilities. Our 1986 budget submittal provides for engineering design, inspection of METRO's contractor construction, enlargement of City Light civil facilities and limited primary and secondary cable work. No agreement has yet been reached with METRO, however, and future negotiations may affect future year budgets.

8. Traction Power

Design of the traction power system for the tunnel is in the very preliminary stage. City Light has provided several options for METRO's consideration. The project cost is based on City Light's conservative estimate of which option METRO will select, and City Light's conservative estimate of one possible configuration under that option.

9. Surface Improvements

The design of surface improvements for 3rd Avenue and Pine Street is still in the conceptual stage. Until detailed plans are developed in late 1986, City Light has only tentative information on which to base relocation of City Light primary and secondary cables. METRO's work plan has yet to recognize the impact of surface improvements on utilities and schedule time for relocation. Our project estimate includes nominal costs of such relocation, but it is impossible to accurately estimate what METRO will require at this time. This work will come late in the project schedule, however, and future year budgets will address this issue more specifically.

10. City Light Building Areaway

The surface improvement plan calls for tree plantings and trolley strain poles in the sidewalk in front of the City Light Building. At this time, City Light anticipates that its occupancy of the 3rd Avenue areaway will be minimally impacted, requiring minor relocation for planter boxes and pole bases at limited locations. This assumption is the basis of our cost estimate. If the City revokes City Light's permit for occupancy of the areaway, major relocation of parking, supply storage areas, the printshop, building utilities, and access to METRO's rectifier station in the City Light Building becomes necessary. In addition to budget aspects, a decision is required by December 1987 to provide enough lead time for leasing other building space, relocating building utilities, modifying building walls, and designing and constructing the METRO rectifier station access.

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PROJECT TITLE: METRO TRANSIT TUNNEL - PROGRAM ELEMENT 8112

11. Public Safety Building Service

City Light's responsibility for providing service to the Public Safety Building includes electrical work up to and including relocation of the Public Safety Building service vault on the building exterior. The customer, City of Seattle Department of Administrative Services, is responsible for any electrical work inside the Public Safety Building required to accomplish the vault relocation.

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PROJECT TITLE: METRO TRANSIT TUNNEL - PROGRAM ELEMENT 8112

D. MILESTONES

	DATES FROM	TO
Preliminary engineering	8/84	5/85
Agreement No. 1	--	10/85
Agreement No. 3	--	2/86
Amended Agreement	--	3/86
Final design--Public Safety Bldg. service	8/85	8/86
Final design--3rd south station	6/85	9/86
Construct new Public Safety Bldg. service	9/86	1/87
Relocate utilities--3rd south station	9/86	1/87
Final design--Westlake station/Pine St.	6/85	5/87
Design communication cable reroute	1/86	8/87
Final design--3rd north station	6/85	8/87
Final design--PNB Bldg. service	1/86	8/87
Relocate utilities--Pine Street	1/86	9/87
Install new communication cables	9/86	12/87
Construct new PNB Building service	9/87	2/88
Relocate utilities--3rd north station	8/87	2/88
Final Design--street improvements	1/86	5/88
Design traction power service	1/86	9/88
Final design--9th & Pine station	9/87	9/88
Construct Union Station traction service	7/88	10/88
Construct 9th & Pine traction service	9/88	12/88
Construct service--3rd south station	9/88	1/89
Final design--Union Station	1/88	1/89
Construct service--9th & Pine station	9/88	2/89
Construct service--Union Station	1/89	7/89
Construct 3rd north traction service	4/89	7/89
Construct replacement vaults/ducts	1/89	12/89
Construct new streetlight services	6/89	12/89
Construct new traffic signal services	6/89	12/89
Construct service--3rd north station	8/89	12/89
Construct service--Westlake Station	8/89	1/90

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S E A T T L E C I T Y L I G H T

PROG ELEMENT 8112 X

1986 SCENARIO RUN 01/13/86.
(THOUSANDS BUDGET DOLLARS)
DATE 01/13/86.

ORG. UNIT 812

PAGE 1 OF 1

PROJECT TITLE: METRO TRANSIT TUNNEL

PROJECT ADDRESS: 3RD AVE AND PINE ST.
CENSUS TRACT: 61,62,92,93
EIS STATUS: METRO
1 PCT FOR ART: YES

YEAR STARTED: 1985
YEAR COMPLETED: 1989
ECONOMIC LIFE: 40

APPROVALS		INITIAL	DATE
PROJ ENGINEER:	R. CUNNINGHAM		01/13/86.
SUPERVISOR:	A. L. MEYER		
MANAGER:	D. H. DEVRIES		
CHIEF ENGINEER:	C. T. ROCKEY		
SUPERINTENDENT:	RANDALL K. HARDY		

BUDGET ITEM	LABOR DOLLARS BY UNIT	ORG UNIT	TOTAL PROJECT COST	EXPENCED THROUGH 1984	1985	1986	1987	1988	1989
11	DISTRIBUTION CONSTRUCTION	516	17.4	0.0	0.0	4.9	0.0	12.5	0.0
11	STREET LIGHT MAINTENANCE	518	81.6	0.0	0.0	12.5	48.8	4.7	15.6
11	DISTRIB UNDERGROUND NETWORK	526	1016.3	0.0	0.0	194.6	428.2	80.5	313.0
11	METER COMMUNICATION AND RELAY	643	44.5	0.0	0.0	25.0	19.5	0.0	0.0
11	SHOPS	653	5.8	0.0	0.0	2.6	2.8	.4	0.0
11	PWR SYSTEMS-SUBSTN ENGINRNG	811	41.2	0.0	0.0	23.9	17.3	0.0	0.0
11	DISTRIBUTION ENGINEERING	812	239.2	0.0	0.0	91.5	65.8	36.9	43.0
11	CIVIL ENGINEERING	821	18.7	0.0	3.7	11.8	3.2	0.0	0.0
11	CONSTRUCTION ENGINEERING	822	155.3	0.0	0.0	27.8	73.9	9.1	44.5
12	DISTRIB UNDERGROUND NETWORK	526	345.1	0.0	0.0	106.6	113.5	0.0	125.0
12	DISTRIBUTION ENGINEERING	812	22.3	0.0	0.0	6.9	7.4	3.9	4.1
11	REGULAR LABOR DOLLARS	812	1520.0	0.0	3.7	394.6	659.5	146.1	416.1
12	OVERTIME LABOR DOLLARS	812	367.4	0.0	0.0	113.5	120.9	3.9	129.1
14	LABOR LOADING	812	437.4	0.0	1.0	106.5	178.1	39.4	112.3
21	MATERIAL AND SUPPLIES	812	2646.8	0.0	0.0	348.8	426.3	653.7	1218.0
45	SVCS OF OTHER GOVTL AGENCIES	812	204.1	0.0	0.0	169.2	11.1	11.6	12.2
72	RENTAL - EQUIPMENT	812	22.7	0.0	0.0	5.3	5.5	5.8	6.1
104	CONTRACTED CONSTRUCTION	812	571.0	0.0	0.0	571.0	0.0	0.0	0.0
	TOTAL CIP BUDGET		5869.4	0.0	4.7	1706.9	1401.4	860.5	1893.8
	MATERIAL LOADING	812	375.6	0.0	0.0	24.1	125.8	213.3	12.4
	TRANSPORATION LOADING	812	257.0	0.0	0.0	55.5	107.2	22.1	72.2
	BUDGET TO EXPENDITURES	812	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	INTEREST DURING CONSTRUCTION	812	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOTAL PROJECT COST		6502.0	0.0	4.7	1788.5	1634.4	1095.9	1978.4

CITY OF SEATTLE
CITY LIGHT DEPARTMENT

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METRO Tunnel Staffing:

In the 1986 budget five vacant positions were left in the budget pending identification of the METRO Tunnel work. They are appropriated positions with funding identified as being from METRO, not rates or SCL bonds.

Material Supplier Assigned Overhead	(512)	$ 33,517
Material Supplier Assigned Overhead	(512)	33,517
Material Supplier Assigned Overhead	(522)	33,517
Substation Operator II	(534)	41,883
Substation Operator II	(534)	41,883
Total		$184,317

Currently SCL has identified the need for the following:

5	Cable Splicers (526)
2	Helpers (526)
2	Associate Electrical Engineers (812)
1	Associate Civil Engineer (822)
10	Positions

In matching existing position classifications with the work resulting from the Metro Tunnel, it was discovered that the existing positions are not the appropriate classifications nor level required. In three cases, the required levels are lower than the existing positions and can be filled in-lieu-of in accordance with personnel procedures. In the other cases, new positions are required and the existing positions will be abrogated. The required positions will be created by the following actions:

- The two Substation Operator II positions can be filled in-lieu-of to create the two Associate Electrical Engineer positions.
- There are two existing unfunded Cable Splicer positions which can be used to cover two of the five Cable Splicers but budget dollars have been requested.
- For the two Helper positions, two of the Material Supplier Assigned Overhead positions can be filled in-lieu-of.

- This leaves three Cable Splicers and one Associate Civil Engineer positions for which both positions and budget has been requested.

- The four new positions can be partially offset by abrogating one Material Supplier Assigned Overhead position, which is excess of our need, for a final net increase of <u>three positions</u>.

TM:am
1/21/86

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FORM 5

THE CITY OF SEATTLE POSITION REQUEST

(1A) [x] New Position Request (1B) [ ] Existing Position Change Request (2) Request #_____

(3) DEPARTMENT: City Light (4) FUND: _____

(5) PROGRAM CATEGORY: _____ (6) DIVISION: Distribution

(7) SECTION/UNIT: C53/526 (8) NUMBER OF POSITIONS INVOLVED: 3

(9) PROPOSED ORDINANCE TITLE: Cable Splicer - Network

(10) PROPOSED SALARY RANGE: Existing

(11) EXISTING POSITION CHANGE REQUESTS:

POSITION NUMBER(S)	INCUMBENT(S):	PRESENT ORDINANCE TITLE(S):

If you are proposing changes to any other positions performing identical duties for which the attached Position Description Questionnaire applies, show below:

(12) For New Position(s), explain what has caused the need for the position (Workload, organization change, new program, etc.). For requested reclassifications, explain what has changed and why (additional duties, reorganization, etc.)

The Metro Transit Tunnel will require relocation of considerable City Light electrical distribution system equipment. Between May 1986 through December 1989, approximately 52,000 hours of electrical work will have to be performed for this project. Three new additional cable splicer positions will be required to perform it.

See attached.

1FORM/109

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13.	General Summary: Briefly summarize the work you do. See attached sheet
14.	Description of Work: in your own words, describe the work you perform. List your duties and tasks in order of their importance and include in the left column your best estimate of the percentage of work time spent on each duty. Use additional sheets if necessary.
% of time	a. See attached sheet.
	b. See attached sheet.
	c. See attached sheet.
	d. See attached sheet.
	e. See attached sheet.
	f. See attached sheet.
	g. See attached sheet
	h. See attached sheet

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15.	Name or describe any machines, special equipment or materials you use, if any. See attached sheet
16.	What reference manuals and written guidelines do you have? See attached sheet
17.	Give examples of decisions you make when guidelines are not available. See attached sheet
18.	Give examples of when you ask your supervisor for advice or guidance. See attached sheet
19.	Describe any contacts you have with people (in person, by telephone, two-way radio) other than your supervisors, co-workers, or subordinates, as a regular part of your work. For each contact listed, explain why you have the contact and how often. See attached sheet
20.	List the names and titles of city employees under your immediate supervision (if more than five, list only the titles and number of employees for each title.) See attached sheet
21.	(If applicable) What percentage of your time do you spend typing? _____% Using an adding machine? _____% Taking shorthand? _____% Is typing 50wpm or more a requirement of your job? _____ Is operation of an adding machine by touch a requirement of your job? _____ N/A
22.	Indicate any other factors or aspects of your job that should be considered in evaluating your position. For example, working conditions, hazards, physical effort, pressure, deadlines. Please explain. See attached sheet
23.	I certify that the entries on these pages are accurate and complete. Signature See attached sheet Date _____.

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TO BE F LED OUT BY IMMEDIATE SUPEF SOR

-USE BLACK INK OR TYPE-

24. Describe the purpose of the work unit or area.
Install, maintain and repair all types of electrical conductors, cables, transformers, switches and related equipment needed to supply power to the network underground systems and services.

25. Describe the purpose of the employee's position.
Under the direction of a foreman, do the necessary splicing, pulling, installing and repairing to accomplish the items listed in paragraph #24.

26. Indicate any exceptions or additions to the employee's statements.

None

27. Explain the type of supervision or guidance given this employee.
Foreman assigns jobs, schedules clearances and lays out sequence of operations. Instructs journeymen on new and different equipment and procedures.

28. List what you consider to be the minimum education, experience and/or specialized training required to be hired for this job.

A. Education (cite major area of study):
High school, math, electrical theory.

B. Length and type of experience:
Four years in electrical distribution of which one year is in the Network Underground System.

C. Special licenses, registration or certification:
Washington State Driver's License.
Pass examinations (written and working) for cable splicers.

D. Machine skills (include typwriter and wpm, adding machine, word processor, key punch, etc): Conduit benders (power & manual), phase indicators, voltage OHM and ammeters, hi-voltage test equipment, oil testers, hydraulic pumps, presses, benders.

E. Alternative combinations of A, B, C, and D:

29. Describe any training (formal or informal on-the-job or in-service) required after hire. Clearance procedures, blueprint reading, safety procedures, vault and pole top rescure, new methods and procedures on cable spicing, ongoing instructions on new tools. Instruction on complexities of Network Underground system.

30. I certify that the entries on these pages are accurate and complete with the exceptions noted in #26.

Signature _____ Date _____.

TO BE FILLED OUT BY THE APPOINTING AUTHORITY (OR DESIGNEE)

31. Indicate any exceptions or additions to the statements of the employee or the supervisor.

32. I certify that the entries on these pages are accurate and complete with the exceptions noted in #31.

Signature _____ Date _____.

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ATTACHMENT A.

UNIT 526 - DISTRIBUTION UNDERGROUND NETWORK 1-13-86

YEAR	1984*	1985*	1986**	1987**	1988**	1989**	1990**
SCHED. & UNSCHED. O & M	49,825	46,860	55,033	55,033	55,033	55,033	55,033
ORIGINAL CIP	59,630	52,372	52,470	45,500	39,000	35,000	29,870
METRO CIP	-0-	-0-	10,960	22,633	4,050	15,020	-0-
TOTAL CIP	59,630	52,372	63,430	68,133	43,050	50,020	29,870
TOTAL HOURS	109,455	99,232	118,463	123,166	98,083	105,053	84,903
FTE NEEDED#	61	56	68##	69	56	60	48
ACTUAL FTE#	61	59	61	UNK	UNK	UNK	UNK

* Actual Hours

** Forecasted hours; for 1986 increase in O&M includes approximately an additional 6,500 labor hours for PCB, asbestos, safety watch, and required training matters.

\# Productive labor hours = 1,763 hours/employee

[redacted]

Approximately 3,397 hours (31%) of CIP 8112 will be performed between January and through May of 1986. Project will then accelerate and the remaining 7,563 (69%) of the work must then be performed during June through December of 1986. Total CIP project requires two additional FTE during first five months of 1986 and then an additional five FTE during last seven months.

$\frac{10,960 \text{ project hours}}{1,763 \text{ hours/employee}}$ = 6.2 FTE average for the year.

6.2 FTE x 31% of project = 2 FTE
(Jan-May)

6.2 FTE x 69% of project = 5 FTE
(June-Dec)

METRO TUNNEL PROJECT

Unit 526 (Network) Labor Needs

The proposed Metro Transit Tunnel Project will significantly impact the work load of the Network Unit of the Distribution Division.

For the next four years (1986-1989), 52,663 hours of additional CIP electrical work has been projected for this unit for the re-routing and relocating of primary power cables, equipment, vaults, and services.

To accomplish this work, some existing CIPs have been rescheduled and deferred as much as possible and yet not seriously affect the normal growth of the Utility's electrical system. We have also reviewed our existing O&M practices; however, reductions here have not been possible. With our increased use of contractors, our requirement to provide safety watchers has increased significantly, as has our workload for dealing with PCBs and asbestos. With employee/public concerns in this area still increasing, even more labor hours may have to be dedicated to this in the future.

Attachment "A" indicates that for 1986, the Network's workload will increase by 10,960 hours. To accomplish this work by June 1, we must have an additional five Cable Splicers and two Helper positions to field three new crews. Delays in filling these positions beyond May will require more positions later.

This pace of work activity will continue through 1987, where it is anticipated that our non-Metro CIP work will reduce so we can accomplish the increase in the Metro tunnel work requirements without an additional labor need. The Network still has three surplus crew vans, so additional vehicular equipment will not be required at this time.

It is proposed that the two new Cable Splicer Helper positions be acquired by filling two Material Supplier Assigned Overhead positions in-lieu-of.

Two of the five Cable Splicer positions can be obtained by funding the two existing unfunded Cable Splicer positions in O.U. 526. The other three positions would be new.

It is our view that normal attrition, transfers, and other CIPs will resolve the labor surplus for 1988 and on to avoid a significant layoff then.

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m. Act as safety watch for personnel working near energized equipment who are unfamiliar with network underground system.

n. Inspect work done by private contractors on City Light underground projects.

o. Climbing poles, and using aerial manlift equipment for installation, removal and maintenance of electrical equipment.

p. Supervise and instruct helpers, apprentices and other employees.

q. Set up and connect emergency generating equipment.

r. Work from Engineering drawing, determine accuracy and feasibility of those drawings and coordinate changes with engineers as required.

s. Removing concrete to expose energized conductors using jackhammers and spade guns.

t. Provide temporary and alternate power at construction sites and in case of emergencies.

u. Install, maintain, trouble shoot, repair, modify, test and set relays on network protectors used in underground network power distribution.

v. Install, maintain, trouble shoot, repair and test fire protection systems in electrical transformer vaults.

w. Modify and rewire network protectors for use in fire protection systems.

x. Install, maintain, trouble shoot, repair and modify high voltage load break vacuum switches and associated control cabinets.

y. Instruct other distribution personnel in D.C. proof testing, fire protection systems, vacuum switches, fault locating and network protector operation.

z. Trouble shoot and repair test equipment; westinghouse network protector test kit Von D.C. hi-pot proof tester hypotronics thumper-burner-cable fault locating unit.

z1. Maintain and repair anticorrosion, cathodic protection system on high voltage pipe type cable.

z2. Maintain accurate records of tests and work performed.

x3. Install, re-route, maintain and repair underground street light circuits, contactors, luminairs and standards.

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13. To perform quality work at a journeyman level while installing, maintaining, and repairing electrical wiring and equipment and splicing of high and low voltage power cables used in underground power distribution and related work as required.

14.

a. Splicing terminating and maintenance of all types of high voltage power cables. (lead covered, gas filled, oil filled, poly, rubber, paper insulated, armored, pipe type, and self contained)

b. Pull in, rack and secure all types high voltage cable in conduit, tunnels, ducts and aerial installations between manholes, vaults, and substations.

c. Installation and maintenance of high and low voltage conductors, transformers, network protectors, junction boxes, switches and related electrical distribution equipment.

d. Removal, for salvage, of high and low voltage conductors, transformers, network protectors, junction boxes, switches and related electrical equipment.

e. Bend, install, maintain, and repair rigid steel, aluminum and PVC conduits of all sizes for commercial, industrial and distribution installations.

f. Perform "hand on" work on energized cables conductors and equipment at voltages up to 5000 Volts, while using proper protective equipment.

g. Install and maintain all necessary electrical equipment for spot network distribution in high rise buildings (transformers, cable, network protectors, collector buses, fire protection system, high voltage switches and vault lighting system.

h. Rig for moving heavy electrical equipment. Do mechanical installation of electrical equipment.

i. Be familiar with network distribution systems, duct maps, feeder maps, cut sheets in order to do necessary switching and tagging under the direction of power dispatcher to obtain clearances, or keep opens.

j. Perform high voltage D.C. proof tests on distribution power cables up to 230KV and evaluate test results.

k. Locate and rectify electrical faults and problems in the underground network distribution system.

l. Install and maintain transformers and network protectors and related electrical equipment in network grid systems.

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15. Machines, Special Equipment or Materials list:

Bandsaw
Drill Press
Hand & Electric Presses
Pipe Cutter
Hand & Power Pipe Threader
Hand & Power Pipe Bender
Megger
Volt-Ohm Meter
Oil Testers
Hypotronics Test Equip.
Ampact Tool
Variacs - 1Ø & 3Ø
Statiscope
Current Transformer
Power Transformer
Core Drill
Ram Set
Infrared Heat Detector
Vacuum Gauge
High Voltage Switch Sticks and Tools
Power Reel Trailers
Greenlee Puller
Nitrogen Gas
SF_6 Gas
CO^2 Gas
Duct Rodding Equipment
Network Protector Test Kit
Cable Pulling Compounds
Cable Pulling Rigging Equip
Tension Meter
Various Water Pumps
Cable cutters-hydraulic
Vacuum (vault & manhole cleaning truck)
Electric & Air Impact Wrenches
Hydraulic & Manual Knockout Punch
Taps & Dies
Propane Torches
Whitney Punch
Phasing Pots
Thinwall Benders
Grinders
Hoists
Miscellaneous High Voltage Test Equipment
Vacuum Pump
Scaffolding, Ladders
Oil Pumps
Pallet Jacks
Rotary Hammer-Electric
Weight Scales
Miscellaneous Hand Tools
Wiping Metal
Various Special Tapes
Oil Stop
Phase Indicators
Phase Rotators
Fault Locating Equipment
Various Insulating Compounds
Cable Benders
Various Special Solvents
Bus Bar Benders
Bus Bar Punch (power
Furnaces for Melting Metals & Compounds
Ammeters
Cable & Pipe Locating Equipment
Jackhammers-Air
Potable Electric Generators

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16. Clearance procedure Manuals
    Manufacturers Manuals and Spc. Books
    State Electrical Safety Rules
    State Safety Laws
    City Light Construction Standards
    National Electrical Code
    Engineering Blueprints
    Flagman's Manual
    Duct Maps
    Feeder Maps
    Cut Sheets
    Secondary Maps
    First Aid Manual
    Radio Procedure Manual
    Union Contract
    City Light Policy Manual
    Memos from Supervision
    Written Work Orders
    Material Standards and Stock Catalogs

17. Emergency repairs to restore electrical service.
    Safety, experience and good judgement are necessary in our daily work.

18. When necessary to deviate from normal procedures or written instructions.

19. Construction personnel, for access to underground equipment and moving of electrical equipment and tools (daily)
    Customers - coordinate for necessary outages, occasionally.

20. Helpers and apprentices.

22. Working in unsanitary conditions (vaults, manholes, alleys)
    Working in close confines with energized equipment and conductors
    Exposure to: Lead fumes
    Downtown traffic pollution
    High and low voltage energized equipment and conductors
    Hazards on construction sites, working with hazardous solvents and chemicals.
    Working in busy streets and traffic congestion using necessary equipment to assure safety on job site and provide adequate traffic control.
    Working in inclement weather
    Emergency work all hours in all types of weather
    Irate customers
    Abuse from general public
    Required to work at excessive heights (over 75 ft.)
    Required to do heavy physical work in awkward positions, lifting and moving heavy equipment.
    Pulling cable under high tension in close confines
    Moving heavy equipment in hazardous and confined areas using special tools and equipment.
    Working from small boats, rafts and platforms

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22. cont.

Working in sub-standard underground structures
Required to work from ladders and scaffolds
Pressure to provide or restore electrical service as soon as possible.
Requirement to meet deadlines on completion of work to meet dates established by Engineering, Commercial Consultants, and Supervisory Personnel.

There is stress in training of new employees as to the proper methods and procedures to be used and followed to do work in a safe and workmanlike manner. This must be done while maintaining the schedule of jobs in progress.

It is necessary for a Network Cable Splicer to be familiar with the different network systems, voltages, feeder cables and the various substations from which the network systems receive their power supply.

Network Cable Splicers must be proficient in all aspects of Vault and Pole Top rescue, First Aid, and Emergency Procedures when accidents or mishaps occur.

At various times, be responsible for work progress and coordination while being assisted by other crews on extensive projects.

Be able with diplomacy and tact to coordinate and communicate as to repairs, alternate service and outages.

Manually de-energizing and disarming mal-functioning network protectors up to and including network protectors of 450V AMP rating.

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In the spaces provided below, sketch two organization charts. The first chart should indicate the existing organization showing the current title of the position and the name of the incumbent if filled. The second chart should indicate the proposed organization showing the requested title for the position being reviewed. Both charts should show the name/title of the person supervising the position and the name(s) and title(s) of persons reporting to this position. If there are other positions in other units of the department that are similar to this position and that may effect this existing position change request, they should be indicated as well.

CURRENT:

New position request. Positions will report to crew chief and supervisor of existing Organizational Unit 526. There will be no change in organizational structure.

PROPOSED:

Name, title, and phone number of the individual to be contacted regarding this Position Request Form:

Approved By _____
Director

NAME _____ TITLE _____ PHONE _____

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FORM 5

THE CITY OF SEATTLE POSITION REQUEST

(1A) [X] New Position Request (1B) [ ] Existing Position Change Request (2) Request #_____

(3) DEPARTMENT: City Light (4) FUND: Lighting

(5) PROGRAM CATEGORY: _____ (6) DIVISION: Engineering

(7) SECTION/UNIT: 822 (8) NUMBER OF POSITIONS INVOLVED: 1

(9) PROPOSED ORDINANCE TITLE: Associate Engineer - Civil

(10) PROPOSED SALARY RANGE: _____

(11) EXISTING POSITION CHANGE REQUESTS:

POSITION NUMBER(S)	INCUMBENT(S):	PRESENT ORDINANCE TITLE(S):

If you are proposing changes to any other positions performing identical duties for which the attached Position Description Questionnaire applies, show below:

(12) For New Position(s), explain what has caused the need for the position (Workload, organization change, new program, etc.). For requested reclassifications, explain what has changed and why (additional duties, reorganization, etc.)

Agreement with Metro on the construction of the Metro Transit Tunnel requires City Light as a new program to construct vault and duct systems to replace those lost by the tunnel and station construction. Metro will also be constructing other facilities to become City Light plant. Metro construction will involve working in vaults containing City Light energized equipment. In all cases, it will be necessary for Unit 822 to provide field inspection to ensure that facilities are constructed to City Light standards so that electrical equipment can be safely installed without delay for corrective work.

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15. Name or describe any machines, special equipment or materials you use, if any.

Schmidt concrete test hammer.

16. What reference manuals and written guidelines do you have?

Contract specifications and drawings, City and State Standard Specifications, ASTM Standards.

17. Give examples of decisions you make when guidelines are not available.

Make decision for rerouting underground facilities when unforeseen obstruction prevents construction as designed; direct contractors in proper specification interpretation.

18. Give examples of when you ask your supervisor for advice or guidance.

Design standards to be followed if either drawings or specifications do not describe work to be accomplished.

19. Describe any contacts you have with people (in person, by telephone, two-way radio) other than your supervisors, co-workers, or subordinates, as a regular part of your work. For each contact listed, explain why you have the contact and how often.

Metro Project Engineer; Seattle Engineering Dept. Franchise & Utilities, Testing Laboratory; City Light project engineer.

20. List the names and titles of city employees under your immediate supervision (if more than five, list only the titles and number of employees for each title.)

Assistant Field Engineering Specialist.

21. (If applicable) What percentage of your time do you spend typing? ____% Using an adding machine? ____% Taking shorthand? ____% Is typing 50wpm or more a requirement of your job? ____ Is operation of an adding machine by touch a requirement of your job? ____

22. Indicate any other factors or aspects of your job that should be considered in evaluating your position. For example, working conditions, hazards, physical effort, pressure, deadlines. Please explain.

Must be able to work under all weather conditions.

23. I certify that the entries on these pages are accurate and complete.

Signature _____ Date _____.

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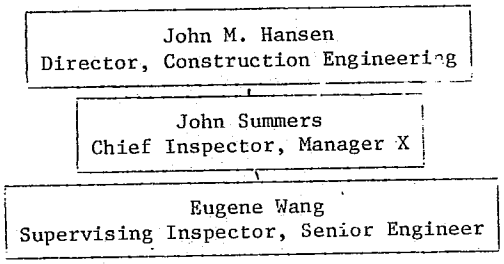
In the spaces provided below, sketch two organization charts. The first chart should indicate the existing organization showing the current title of the position and the name of the incumbent if filled. The second chart should indicate the proposed organization showing the requested title for the position being reviewed. Both charts should show the name/title of the person supervising the position and the name(s) and title(s) of persons reporting to this position. If there are other positions in other units of the department that are similar to this position and that may effect this existing position change request, they should be indicated as well.

CURRENT:



John M. Hansen
Director, Construction Engineering

John Summers
Chief Inspector, Manager X

Eugene Wang
Supervising Inspector, Senior Engineer

PROPOSED:

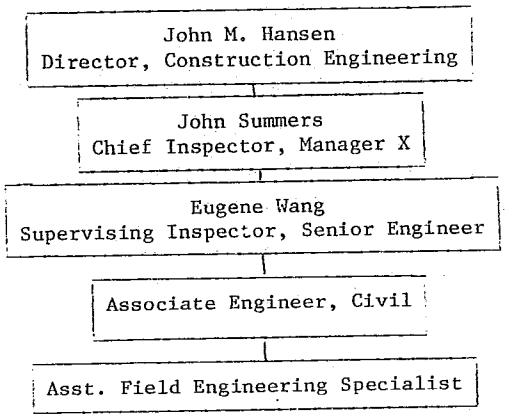
John M. Hansen
Director, Construction Engineering

John Summers
Chief Inspector, Manager X

Eugene Wang
Supervising Inspector, Senior Engineer

Associate Engineer, Civil

Asst. Field Engineering Specialist



Name, title, and phone number of the individual to be contacted regarding this Position Request Form:

Approved By C. J. Rocky
Director

NAME	TITLE	PHONE
John M. Hansen	Director VII	3067

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City of Seattle

ORDINANCE 112817

AN ORDINANCE relating to the City Light Department [illegible] the expenditure allowance in the 1986 Budget [illegible] City Light Department and making the necessary changes in positions to provide for relocation of the electrical distribution and streetlight systems as required by construction of the METRO Transit Tunnel and related street improvements and making an additional partially reimbursable appropriation from the Light Fund therefor.

BE IT ORDAINED BY THE CITY OF SEATTLE AS FOLLOWS:

Section 1. As requested by the Superintendent of the City Light Department and recommended by the Mayor in materials contained in this ordinance file, to provide for the relocation of the electrical distribution and streetlight systems as required by the construction of the METRO Transit Tunnel and related street improvements, the expenditure allowance in the 1986 Budget of the City Light Department is hereby increased as follows:

Program Category	CFMS Grand Object	Amount
5400 - Material	52000 - Supplies	$348,800
8000 - Distribution Plant	51000 - Personal Services	$614,600
8000 - Distribution Plant	53000 - Other Services and Charges	$ 5,300
8000 - Distribution Plant	55000 - Government Services	$169,200
8060 - Distribution Plant	56000 - Capital Outlay	$571,000

For such purposes, the additional sum of One Million Seven Hundred Eight Thousand and Nine Hundred dollars ($1,708,900) is hereby appropriated from the Light Fund as a Utility expenditure not contemplated in the preparation of the 1986 Budget. The Light Fund shall be reimbursed to the maximum extent possible by funds to be received from METRO. The City Comptroller is authorized to draw and the City Treasurer to pay the necessary warrants and make the necessary transfers.

Section 2. To implement the work required by METRO for the transit tunnel, the following positions are established in the City Light Department:

One (1) Associate Engineer, Civil

Three (3) Cable Splicer, Network

to be compensated at rates established for like positions in the Salary Ordinance. The Superintendent of the City Light Department is hereby authorized to fill the positions subject to the Personnel Ordinance and rules, and the following position is abrogated in the City Light Department:

One (1) Material Supplier Assigned Overhead

Section 3. Any act consistent with the authority and prior to the effective date of this Ordinance is hereby ratified and confirmed.

Section 4. This ordinance shall take effect and be in force thirty days from and after its passage and approval, if approved by the Mayor; otherwise it shall take effect at the time it shall become a law under the provisions of the city charter.

Passed by the City Council the 28th day of April, 1986, and signed by me in open session in authentication of its passage this 28th day of April, 1986.

SAM SMITH,
President of the City Council.

Approved by me this 5th day of May, 1986.

CHARLES ROYER,
Mayor.

Filed by me this 5th day of May, 1986.

Attest: NORWARD J. BROOKS,
City Comptroller and City Clerk.

(Seal) By THERESA DUNBAR,
Deputy Clerk.

Publication ordered by NORWARD J. BROOKS, Comptroller and City Clerk.

Date of official publication in Daily Journal of Commerce, Seattle, May 8, 1986. (C-229-X)

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C-229-X

Affidavit of Publication

STATE OF WASHINGTON
KING COUNTY—SS.

The undersigned, on oath states that he is an authorized representative of The Daily Journal of Commerce, a daily newspaper, which newspaper is a legal newspaper of general circulation and it is now and has been for more than six months prior to the date of publication hereinafter refered to, published in the English language continuously as a daily newspaper in Seattle, King County, Washington, and it is now and during all of said time was printed in an office maintained at the aforesaid place of publication of this newspaper. The Daily Journal of Commerce was on the 12th day of June, 1941, approved as a legal newspaper by the Superior Court of King County.

The notice in the exact form annexed, was published in regular issues of The Daily Journal of Commerce, which was regularly distributed to its subscribers during the below stated period. The annexed notice, a

Ordinance No. 112817

was published on

May 8, 1986

L. Blair

Subscribed and sworn to before me on

May 8, 1986

Yvonne Summers

Notary Public for the State of Washington,
residing in Seattle.

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