

Crystal (Minn.).
City Council Minutes and Agenda Packets.

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SENT WITH PRELIMINARY AGENDA 6/28/85

- Council minutes of 6/18/85.
- Letter from Gary Joselyn of, 6/19 re bike routes.
- Memo from BRW, Inc. of 6/26; plans for fence & restroom facilities; letter from Brutger Companies re redeveloped Becker Park.
- Letter from City Engr. of 6/19 re Schweitzer 2nd Adn.
- Memo from City Engr. of 6/21 re surety-Crystal Green
- Memo to City Mgr. from Redev. Coordinator of 6/19; copy of reso.; Housing Plan & Programs for City dated 6/12 re emendment to Comprehensive Plan.
- Bids; mameo from Police Dept.; memo from Admin. Ass't. re monitoring system in P.D.
- Appli; police report; tax clearance certificate for off-sale liq. at Hitchin Post.
- Letter from City Attny of 6/26; memo from Susan Minsberg to D. Kennedy of 6/24; copy of ord; copy of City Attny's letter of 1/31/85 re nudity ord.
- Letter from City Attny. of 6/27; copy of ord. re amendment to zoning ocode relative to property abutting Twin Lake.
- Copy of scheduled flights to Seattle for Internal. League of Cities Conf. in the fall.

COUNCIL AGENDA

July 2, 1985

Pursuant to due call and notice thereof, the regular meeting of the Crystal City Council was held on July 2, 1985, at 7:00 P.M., at 4141 Douglas Drive, Crystal, Minnesota. The Secretary of the Council called the roll and the following were present:

Councilmembers	Staff
<u>₹</u> Schaaf	Irving
P Smothers	A Kennedy Torry Hall
<u>P</u> Herbes	<u></u>
P Pieri	P Smith
P Aaker	P Peterson
P Moravec	Deno
P Rygg	P George
	egular Council meeting of June 18, 1985 were
CONSEN	T AGENDA
the date and time for the public hearing Board of Adjustments and Appeals to	as the matter may be heard, July 16, 1985, as any at which time the City Council will sit as a consider a request from Patrick and Ann Sauter e and a large garage at 4026 Hampshire Avenue
Moved by Councilmember Herbes item one from the consent agenda.	and seconded by Councilmember Morion Carried.
Moved by Councilmember # 8 the Consent Agenda.	and seconded by Councilmember Motion Carried.

1.

REGULAR AGENDA

1. It being 7:00 P.M., or as soon thereafter as the matter may be heard, Mayor Aaker declared this was the date and time as advertised for a public hearing, at which time the City Council will sit as a Board of Adjustments and Appeals, to consider a request from Darrell Holm for a variance of 9' in the required 25' side street side yard setback to build a 12' x 14' deck at 5801 Quail Avenue North. The Mayor asked those present to voice their opinions or ask questions concerning the variance. Those present and heard were: (5 votes needed for approval)

Moved by Councilmember Herles and seconded by Councilmember Schaef to the discussion of the authorization to grant a variance pursuant to Section 515.13, Subd. 3a) 2) ii) to allow a variance of 9' in the required 25' side street side yard setback to build a 12' x 14' deck at 5801 Quail Avenue North as requested in Variance Application #85-35A.

Motion Carried.

2. It being 7:00 P.M., or as soon thereafter as the matter may be heard, Mayor Aaker declared this was the date and time as advertised for a public hearing, at which time the City Council will sit as a Board of Adjustments and Appeals, to consider a request from Don Adams for a variance of 20' in the required 30' side street side yard setback to build a 12' x 20' deck at 5334 Fairview Avenue North. The Mayor asked those present to voice their opinions or ask questions concerning the variance. Those present and heard were: (5 votes needed for approval)

Moved by Councilmember Giri and seconded by Councilmember School to (approve) (deny) (continue until the discussion of) the authorization to grant a variance pursuant to Section 515.13, Subd. 3a) 2) ii) to allow a variance of 20' in the required 30' side street side yard setback to build a 12' x 20' deck at 5334 Fairview Avenue North as requested in Variance Application #85-32T.

Motion Carried.

The City Council considered a request to discontinue designated bike routes within the 3.

Moved by Smathers and seconded by Pieri to discontinue like routes. moved by School and seconded by Herker to table until July 16 meeting for Staff and Park + Rec. advisory Commissions reviewal 7-0 Vate Motion Carried

The City Council considered plans for restrooms and a fence in redeveloped Becker Park.

meeting for Park + Rec. Presented.

Mation Carried

Moved by Herber and seconded by Smothers to table plans for fencing until July 16 th meeting for reviewed by Bark + Rec. Commission. mation Carried

5.	The	City (Council	cons	idered	accepti	ng sure	ty in	the	amount	of \$22	,000	from	John	Day
	for	Meinel	ce Muf	fler,	5259	Douglas	Drive,	and	also	enterin	g into	agr	eemen	t for	the
	imp	roveme	ent.												

A.	Moved by Councilmember school and seconded by Councilmember Messace to accept surety in the amount of \$22,000 as a guarantee of faithful performance of certain work requirements as a condition of issuance of a building permit for Meineke Muffler, 5259 Douglas Drive. Motion Carried.
В.	Moved by Councilmember Measure and seconded by Councilmember Herker to the discussion of entering into agreement with Meineke Muffler for the purpose of guaranteeing faithful performance of certain work requirements as a condition of issuance of Building Permit #6494 for Meineke Muffler, 5259 Douglas Drive and further, to authorize the Mayor and City Manager to sign such agreement.
c.	Moved by Councilmember Rygg and seconded by Councilmember mether to the discussion of the authorization to issue Building Permit #6494 for Meineke Muffler, 5259 Douglas Drive, subject to standard procedure. Motion Carried.

6. The City Council considered setting surety in the amount of \$9,500 for improvements as a part of plat approval of Schweitzer 2nd Addition.

Moved by Councilmember	when and seconded by Councilmember Puri to set mprovements as a part of plat approval of Schweitzer
2nd Addition.	Motion Carried.
Moved by Councilmember(continue until	and seconded by Councilmember to (deny) the discussion of) setting surety in the
amount of \$9,500 for improvements	as a part of plat approval of Schweitzer 2nd Addition. Motion Carried.

7.	The City Council considered reduction in surety from \$310,000 to \$30,000 for Crystal Green.
	Moved by Councilmember method and seconded by Councilmember kyag to reduce surety from \$310,000 to \$30,000 for Crystal Green because a portion of the work required to be performed as a condition of approval of the aforementioned plat has been completed, as recommended by the City Engineer.
	Motion Carried.
	Moved by Councilmember and seconded by Councilmember to (deny) (continue until the discussion of) reduction in surety from \$310,000 to \$30,000 for Crystal Green. Motion Carried.
8.	The City Council considered the Second Reading of an ordinance rezoning property located at 55th Avenue between Douglas Drive and Burlington Northern Railroad from I-1 and B-4 to R-4. (5 votes needed for approval)
	Moved by Councilmember <u>Simi</u> and seconded by Councilmember <u>Marable</u> adopt the following ordinance:
	ORDINANCE NO. 85-//
	ORDINANCE NO. 85-// AN ORDINANCE RELATING TO ZONING: CHANGING THE USE CLASSIFICATION OF CERTAIN LANDS
	and further, that this be the second and final reading. Motion Carried.
	Moved by Councilmember and seconded by Councilmember to (deny)
	(continue until the discussion of) rezoning property located
	at 55th Avenue between Douglas Drive and Burlington Northern Railroad from I-1 and B-

Coun	chi Agenda
9.	The City Council considered appointment of a representative to the Five-City Senior Transportation Executive Committee.
	Moved by Councilmember Smithward seconded by Councilmember Rygg to appoint
	Transportation Executive Committee. as a representative to the Five-City Senior Motion Carried.
10.	The City Council considered a resolution proposing an amendment to the Crystal Comprehensive Plan. Leslie Merenberg appeared to explain
	Moved by Councilmember Leuler and seconded by Councilmember Smatters adopt the following resolution, the reading of which was dispensed with by unanimous consent:
	RESOLUTION NO. 85-
	A RESOLUTION PROPOSING AMENDMENT TO THE CRYSTAL COMPREHENSIVE PLAN
	By roll call and voting aye:,,,,,,,,
	Moved by Councilmember and seconded by Councilmember to (deny) (continue until the discussion of) a resolution proposing an amendment to the Crystal Comprehensive Plan. Motion Carried.

11. The City Council considered a monitoring system in the Crystal Police Department.

Insued by Herbes and seconded by Schaof to accept the combined low bid, Videotronix, Inc. and Gramer Electric for electrical work.

7-0 vote Motion Carried

12. The City Council considered an application for an off-sale liquor license for Thomas H. Olsen dba Hitchin Post, 5616 Lakeland Avenue North.

_	Moved by Council (approve) (deny) (continue	member smi	thes and	seconded	by	Council:	member, discussi	Merauce on of)	to the
_	application for Thomas F 5616 Lakeland Avenue No	I. Olsen dba		Post, fo			liquor	license	at
	1985.	i iii, errectiv		\a.iii	•/(p•1)		Motion	n Carrie	d.

-419/6, 1, 56 00 82) MA H CZ dbu 81.6 15616 Coold V ~ 1985-86 - m A,

13.	The ente	City rtainm	Council nent in c	considered ertain licen	the sed pr	First emises	Reading within	of the	an City	ordir of	nance Crysta	relating	to	nude

Moved by Councilmember Smithward seconded by Councilmember Rygg to adopt the following ordinance:

Ay E: School, Imathes, Nerbess, Rygg, Maranee, Asker ORDINANCE NO. 85
AN ORDINANCE RELATING TO NUDE ENTERTAINMENT IN CERTAIN LICENSED PREMISES WITHIN THE CITY OF CRYSTAL and further, that the second and final reading be held on July 16, 1985.

Motion Carried.

Moved by Councilmember ____ and seconded by Councilmember ____ to (deny) (continue until ____ the discussion of) First Reading of an ordinance relating to nude entertainment in certain licensed premises within the City of Crystal.

Motion Carried.

14. The City Council considered the First Reading of an ordinance amending provisions of the zoning code relative to property abutting Twin Lake. (5 votes needed for approval)

Moved by Councilmember mather and seconded by Councilmember Maraule to adopt the following ordinance: directing staff to refew item to the Planning Commission before the Second Realing of the Ordinance.

ORDINANCE NO. 85-

AN ORDINANCE RELATING TO ZONING: AMENDING CRYSTAL CITY CODE, APPENDIX I "ZONING", SUBSECTION 515.07, SUBDIVISION 5 BY ADDING A CLAUSE THERETO

and further, that the	second and final re	ading be held on Ju	ly 16, 1985. Motion Carried.
Moved by Coun	ailmomhor an	d seconded by Counc	eilmember to (deny)
(continue until		the discussion of)	the First Reading of an
ordinance amending pr	ovisions of the zoning	g code relative to pro	operty abutting Twin Lake. Motion Carried.

15. The City Council considered and 3.2 beer because and warrier of fee for Crystal Lion's Club to hald a dance in parking lat of the Elki Club# 44, Highway #169 + Wilshire Bludon July 26, 1985.

Maned by Rygg and seconded by Schaaf to approve the request.

Mation Cauried

16. The City Council considered a request for varionees in the sign ordinance I for Dairy Queen / Galden Skillet, from Paster Enterprises, Crystal Shapping lenter, to allow more than one free standing sign and to vary the required 10' beneath a free standing sign. Shrin Murthy and John Brazil of Galden Skillet / Dairy Queen appeared.

Mound by Schaof and seconded by Herber to deny the request for variances.

7-0 Vate Mation Carried.

Moved by Councilmember Pick and seconded by Councilmember Musuito approve the list of license applications.

Motion Carried.

Moved by Councilmember Lules and seconded by Councilmember black to adjourn the meeting.

Motion Carried.

APPLICATIONS FOR LICENSE July 2, 1985

FOOD ESTABLISHMENT - Retail (\$82.50 lst fac. + \$27.50 ea. addnl facility)

Big B's, 6000 42nd Avenue North

Big B's, 6000 42nd Avenue North

FOOD ESTABLISHMENT - Itinerant (\$27.50 lst day + \$11.00 ea. addnl day)

Crystal Merchants Assoc. at Crystal Shopping Center for Crazy Days July 8-13, 1985 (food truck)

FOOD ESTABLISHMENT - Itinerant (Exempt)

Crystal Fire Department, at Welcome Park Wagon #1 hot dogs at Crystal Frolics (Auxiliary) 7-26-85 to 7-28-85 Crystal Fire Department at Welcome Park Wagon #2 at Crystal Frolics (Auxiliary) 7-26-85 to 7-28-85

Crystal Women of Today, Crystal Frolics, 1 pop truck July 26, 1985 to July 28, 1985

GARBAGE AND REFUSE HAULERS - (\$27.50 Co. Lic. + \$16.50 ea. vehicle)

Baldy Sanitation, Maple Plain, MN
Browning Ferris Industries, Eden Prairie, MN
Countrywide Service, Inc., Montrose, MN
Gallagher's Service, Inc., Minneapolis, MN
Metro Refuse, Inc., Savage, MN
Waste Management, Blaine, MN
Art Willman & Son, Inc., Minneapolis, MN
Brooklyn Disposal, Anoka, MN

CIGARETTES: (\$12.00 ea. machine and/or over counter sales)
Bradley Carlson dba Big B's, 6000 - 42nd Ave. N.

GASOLINE STATION: (\$36.25 Station + \$7.25 ea. hose connection)

Bradley Carlson dba Big B's, 6000 - 42nd Ave. N.

TAVERN: (\$522.50)

Godfather's Pizza, Inc. a div. of Diversifoods, Inc., 99 Willow Bend

APPLICATIONS FOR LICENSE July 2, 1985

TAVERN: (\$522.50 per yr.)

Barnstormers, Inc. dba Waldo's Pizza Joynt, 307 Willow Bend

3.2 BEER OFF-SALE: (\$42.00 per yr.)

Jim's Tom Thumb Superette, 5120 - 56th Ave. N. P.D.Q. Food Stores, 7200 - 56th Ave. N. SuperAmerica Station, 7818 - 36th Ave. N. Tom Thumb Superette, 2708 Douglas Drive

SIGN HANGERS - (\$66.00)

DeMars Signs, Fridley, MN
Nordquist Sign Company, Inc., Minneapolis, MN
Anchor Signs Inc. dba Universal Sign Company, St. Paul, MN

PLUMBING - (\$30.25)

H. I. S. Plumbing, 5132 Gorgas Ave., Edina, MN Hanson-Kleven Plumbing Company, 4352 Nicollet Ave. S., Minneapolis Solar Mechanical, 3247 Vincent Ave. N., Minneapolis June 19, 1985

TO:

John T. Irving, City Manager

FROM:

Leslie Nerenberg, Redevelopment Coordinator

RE:

Comprehensive Plan Amendment -

Council Consideration

The Metropolitan Council has recommended that the City update the Housing Element of its Comprehensive Plan by replacing it with the Housing Revenue Bond Plan approved by the City Council at its May 7th meeting (Resolution No. 85-41).

Following its preliminary review, the Metropolitan Council has found that the Housing Bond Plan contains thorough policies and is a satisfactory plan for the community. The Plan has remained the same since Council approval except for the addition of the Housing and Land Use Section, page 4.

It is recommended that the resolution attached be adopted by the Council on July 2nd, authorizing the Planning Commission to hold the necessary public hearing.

CITY OF CRYSTAL

RESOLUTION NO. 85-

RESOLUTION PROPOSING AMENDMENT TO THE CRYSTAL COMPREHENSIVE PLAN

WHEREAS, pursuant to Minnesota Statutes, Chapters 462 and 473 the Crystal City Council has prepared and adopted a comprehensive plan to guide the growth and development of the city; and

WHEREAS, the City Council previously adopted a housing plan, prepared by Northwest Associated Consultants, Inc. (the NAC Plan) as the housing element of the comprehensive plan; and

WHEREAS, the City Council recently adopted a housing plan prepared by LeFevere, Lefler, Kennedy, O'Brien & Drawz, P.A. (the LLKOD Plan) in connection with a housing revenue bond program submitted to the Minnesota Housing Finance Agency; and

WHEREAS, the Metropolitan Council, following preliminary review of the housing plan, has suggested that the City replace the NAC Plan with the LLKOD Plan as the housing element of its comprehensive plan.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Crystal, Minnesota as follows:

- 1. That the Crystal Planning Commission schedule a public hearing on the amendment of the comprehensive plan through the adoption of the LLKOD Plan.
- 2. That at said public hearing the Planning Commission review the adequacy of the LLKOD Plan as an outline of the housing goals and policies of the City and elicit public comment thereon.
- 3. That the Planning Commission forward to the City Council its recommendation regarding said amendment to the comprehensive plan.
- 4. That after Planning Commission review, the City Council consider adoption of the plan and submission to Metropolitan Council for final review.

Dated:	, 1985		
		Mayor	
ATTEST:			
City Clerk		_	

HOUSING PLAN AND PROGRAMS FOR CITY OF CRYSTAL

June 12, 1985

Table of Contents

INTRODUCTION	1
INVENTORY	1
Housing Availability Number and Type of Housing Units Tenure Cost of Housing Housing and Land Use	
Housing Quality Occupancy Characteristics Vacancy Overcrowding Age of Housing Substandard Housing Housing Units Lacking Complete Plumbing Facilities	
ANALYSIS	6
Housing Availability Housing Quality	
POLICY PLAN	7
Housing Availability Housing for All Ages Open Housing Development Review Process Land Use Regulations Special Land Use and Zoning Provisions Housing Types Offered Low and Moderate Income Housing Housing for the Elderly Mixed Housing Development Housing Revenue Bonds	
Housing Quality Maintenance Codes Financial Assistance Compatible Development Protection of Natural Resources Pollution Multiple Family and Attached Single Family Housing	
IMPLEMENTATION PROGRAM Housing Objectives Affordable Housing Housing Rehabilitation Land Use	17

HOUSING PROGRAMS 20

Becker Park Elderly Housing Associates Project CHP Limited Partnership Project

List of Figures

Figure	1	Housing Units by Type	1
Figure	2	Median Income	2
Figure	3	Monthly Rent by Unit	2
Figure	4	Market Value of Single Family Units	3
Figure	5	Income Needed to Purchase Housing	:
Figure	6	Vacancy Rate by Housing Type	
Figure	7	Age of Housing Units	
Figure	8	Tenancy and Age in the Twin Cities	8
Figure	9	Persons 65 Years of Age and Older	13
Figure	10	Population Estimates	18

INTRODUCTION

The following housing plan combines information from the 1980 Crystal comprehensive plan, the United States census of the population for 1980 and includes the additional requirements for a housing plan specified in Minnesota Statutes, Section 462C.03, Subd. 1. This plan is prepared and submitted for review by the metropolitan council in fulfillment of the requirements of Minnesota Statutes, Chapter 462C.

INVENTORY

The purpose of the housing inventory is to examine the overall housing situation in the city of Crystal. In order to do this, it is necessary to focus on the various elements which affect housing for residents of the city. Some of the factors to be examined in the inventory include the kind, type, cost, age and condition of the housing stock.

HOUSING AVAILABILITY

Number and Type of Housing Units.

In Crystal there were 9093 housing units in 1980, of which 8977 were occupied. Although the majority of these were single family detached houses, a number of other types of housing were also represented in the city's stock. Most of the multiple family units were located in buildings with 10 or more housing units, with relatively few units in smaller buildings.

Figure 1
1984 Housing Units by Building Type

	No.	<u>%</u>
Single Family Detached	7341	82.0
Single Family Attached	136	2.0
2 - 4 Units	22	.2
5 - 9 Units	42	.4
10 - 49 Units	293	3.4
50 Units or More	1147	12.0
Total	8981	100.0

Source: Assessment records of the city of Crystal (July, 1984)

Tenure.

Owner-occupied housing prevails in Crystal. Of the 9093 total housing units, 7000 or 78 percent were owner-occupied in 1980.

Cost of Housing.

Although the cost of housing in Crystal is slightly lower than the average for the metropolitan area, it represents a significant proportion of the income of persons residing in the city. This is particularly true for households occupying rental housing, whose median income in 1979 was only 65 percent of the city median and only 59 percent of the income enjoyed by households in owner-occupied housing.

Figure 2

1979 Median Income

All Persons	\$22,303
In Owner-Occupied Units	24,444
In Rental Units	14,583

Source: U.S. Census of the Population for 1980

Figure 3
Monthly Rent by Unit

		Rental	Rental		Rental	
		Rate	Rate	%	Rate	%
Size of Unit	No.	2/85	11/84	Change	2/84	Change
1 bedroom	605	\$395	\$390	1.17	\$369	6.81
2 bedroom	399	\$464	\$451	2.87	\$434	6.79
3 bedroom	12	\$530	\$517	2.42	\$507	4.43

Source: Apartment Guide quarterly survey

Figure 4

Estimated Market Value of Single Family Housing Units, 1980

Housing Unit Value		No.	<u>%</u>
Less than \$10,000		3	
\$10,000 - 19,999		17	.3
\$20,000 - 29,999		114	1.7
\$30,000 - 39,999		424	6.5
\$40,000 - 49,000		1103	16.8
\$50,000 - 59,000		2128	32.6
\$60,000 - 79,000		2328	35.6
\$80,000 - 99,999		312	4.8
\$100,000 - 149,999		97	
More than \$150,000			1.5
	Total	6533	100.0

(Median Value - \$57,600)

Source: U.S. Census of the Population for 1980

Not only has the cost of housing in Crystal risen, but it has done so at a faster rate than income. According to the metropolitan council, between 1970 and 1983 family income in the Twin Cities was up 161 percent but monthly payments for a median priced new home were up 191 percent and monthly payments for a median priced existing home were up 277 percent. The income necessary to support payments for housing is demonstrated in the following figure:

Figure 5
Income Needed to Purchase Housing (April, 1984)

Type of Unit	Median Sales Price	Monthly Payment (PITI)	Annual Income
New Single Family	\$86,400	\$1091	\$39,300
New Townhouse	66,200	809	29,100
New Condominium	69,800	898	30,900
Existing Single Family	73,800	917	33,000

(Assumes five percent down payment, 13 percent fixed rate, 30 year mortgage and expenditure of one-third of income on housing.)

Source: Metropolitan Council

Housing and Land Use.

As an inner ring suburb, Crystal experienced its peak growth rates in the years following the end of World War II. Since that time there has been a slow process of residential in-fill and a corresponding gradual decline in the availability of land for housing.

The stock of land available for housing may be analyzed in several ways. One of these is the number of lots remaining for the construction of single family detached houses. The majority of the residential areas of Crystal were platted and developed in accordance with a city-wide grid. Although in many cases whole blocks or neighborhoods were developed at the same time, there exist scattered lots which are vacant and could be used for single family structures. Some of these were "extra" lots purchased and used by the owners of an adjacent house to expand their yard. Others are the sites of houses which were destroyed by fire or other casualty. Still others are lots which were less desirable for some reason and were skipped over when land was plentiful.

It is estimated that there exist about 50 vacant lots in Crystal which could be used for single family houses. Although additional lots will become available periodically as existing structures are destroyed, the number will not be large. In addition, the availability of such lots is not predictable. Few lots will become available due to removal of dilapidated housing. While much of the housing stock in Crystal is approaching an age which requires increased maintenance, most of the City's housing is not so old as to require redevelopment.

An opportunity for new multiple family housing exists on a 3 acre site currently zoned for residential use. In addition, there is a 17 acre parcel in Crystal which is zoned for industrial use but for which a rezoning to residential may be appropriate. These 20 acres could support about 310 multiple family housing units assuming an average net density of 15.5 units per acre.

Finally, there are several sites in Crystal which are proposed for some form of redevelopment. Residential may be the primary use or housing may be incorporated into a mixed use development. The most significant example of this type of project is in the Bass Lake-Becker Park Redevelopment area where 250-270 multiple family units are proposed.

HOUSING QUALITY

Occupancy Characteristics.

In 1980, the average number of persons per household was 2.82 in Crystal. This represents a decline from the 1970 figure of 3.73 and indicates that Crystal has followed the trend in the state and nation towards smaller households.

Vacancy.

The vacancy rate in Crystal has generally been low. In 1984, the housing stock contained 99 vacant units or 1.1 percent of the total. This is considerably lower than the optimum rate of three to five percent which allows for normal movement within the market. The vacancy rate by type of housing is demonstrated in figure 6 below.

Figure 6

Vacancy Rate by Housing Type

	No.	% of Total
Single Family Units	37	.5
Multi-Family Units	62	3.8

Source: Metropolitan Council

Overcrowding.

For purposes of determining overcrowding in housing, a unit is considered to be overcrowded if there is more than one person per room. Out of 8977 occupied housing units in Crystal in 1980, 161 or slightly more than 1.8 percent were considered to be overcrowded.

Age of Housing.

Crystal's housing stock spans a large age range, with the greatest concentration of units having been constructed between 1950 and 1969. This is significant since the age of housing is generally related to the upkeep needed to maintain the unit in good condition. It is important to note that the single family housing on average is older than the multiple family housing stock. The largest number of single family units were constructed between 1950 and 1959 while a majority of the multiple family units were constructed between 1960 and 1969.

 $\frac{\text{Figure 7}}{\text{Age of Housing Units}}$

Year Built		Total	Owner Occupied	Renter Occupied
1939 or before		437	344	89
1940 - 1949		850	738	112
1950 - 1959		4510	4117	353
1960 - 1969		2498	1415	1057
1970 - 1980		798	376	366
	Total	9093	7000	1977

Source: U.S. Census of the Population for 1980.

Substandard Housing.

Most of the housing in Crystal is in good condition with only a very small percentage in poor condition. According to a 1976 study by the city of targeted areas, 94 percent of the units were in good condition, 5 percent were in good to fair condition, .4 percent were in fair to poor condition and .6 percent were in poor condition.

Housing Lacking Complete Plumbing Facilities.

Crystal has relatively few housing units which lack complete and exclusive plumbing facilities. Of the 9093 units in Crystal, only 44 or .5 percent lacked such facilities.

ANALYSIS

The purpose of this report is to examine present and future issues which face the city of Crystal in attempting to provide adequate housing opportunities for its present and future residents. In order to do this, it is necessary to focus on the primary factors which affect the availability and the quality of housing.

Housing Availability.

The high cost of housing has reduced the supply of housing for those of low and moderate income and lower middle income. In Crystal, as well as elsewhere in the state, it is becoming increasingly more difficult to ensure the availability of housing. Those who are most severely affected by high housing costs are those in the low and moderate income groups. Families and individuals in these groups sometimes live in substandard housing and often spend a disproportionate amount of their income on housing. Although some persons in these groups are receiving public assistance, many are simply employed in areas of the economy in which wage scales are relatively low.

Because Crystal has only a limited influence on the supply and cost of housing, it needs to make its efforts to meet housing needs more effective. There are many factors beyond the control of the city which have a great effect on the supply and cost of housing. Market forces, particularly mortgage interest rates, have more influence on who can purchase housing than any actions the city can take. Also, the cost of land, labor and materials has increased at such a rapid rate that the impact of local public policy designed to provide low and moderate or lower-middle income housing is lessened.

The actions of the city certainly can have effects on housing costs. Development regulations which are designed to provide orderly municipal growth can also increase housing costs. However, the costs dictated by development regulations are responsible for only a small portion of the total monthly cost to the homeowner.

The city should continue to be conscious of the impact its actions have on the cost of housing. It should attempt to implement policies which minimize cost without abandoning the legitimate role the city needs to play in regulating development. Land use regulations which allow prompt review of proposed developments and which do not require the submission of unnecessary data or applications should be encouraged.

The city should continue to avail itself of the resources of the U.S. department of housing and urban development and the Minnesota housing finance Agency. Further, the city should plan to use its authority to issue tax exempt revenue bonds to assist developers toward construction of multiple housing which will contain units for low and moderate income families.

Housing Quality.

The residental environment of Crystal is generally good. A 1976 survey of two target areas of Crystal containing 652 housing units indicated that 652 (94 percent) of of the residential structures were found to be in good condition while only 4 units (.6 percent) were considered to be in poor condition. Although current statistics are not available, visual observation suggests that there has been no widespread deterioration in the quality of housing in Crystal.

Maintenance of housing quality in Crystal will undoubtedly require increased attention. In the future Crystal's housing stock will begin to show signs of aging. As housing ages, more emphasis must be placed on maintenance to prevent deterioration. In order to ensure housing quality in the city, older housing units must be kept in compliance with established housing standards. Fifty percent of all housing units in the city were constructed during the decade between 1950 and 1959. Those units are now 25 to 35 years old, an age when housing begins to demand greater maintenance. Unfortunately, the enforcement of standards through the use of building codes and ordinances is not an easy task. In many instances, those who live in housing units which do not meet existing housing codes and ordinances have modest incomes. Since individuals with modest incomes are generally unable to afford costly household repairs, housing deterioration is often difficult to avoid.

Crystal has adopted a housing maintenance ordinance for the purpose of preventing deterioration of its residential areas. Efforts should be made to strengthen this program, perhaps by initiating some form of mandatory inspection. The city has also been active in administering a housing rehabilitation grant program. This effort has succeeded in providing funds for low cost home maintenance and rehabilitation projects throughout the city.

Continued attention will also need to be given to prevention and mitigation of negative effects which commercial and industrial development can have on the residental environment. Effects such as the increased traffic congestion, noise and pollution which often accompany more diverse and concentrated development, will need to be carefully watched.

POLICY PLAN

The purpose of the housing policy plan is to describe the course of action the city of Crystal will take to ensure the availability of quality housing to those who reside and those who seek to reside in the city.

The policy plan concerns housing in a comprehensive manner. Provisions within the plan will include stipulations for existing housing development and the conservation of existing neighborhoods. The policy plan will also encourage construction of modest cost housing along with market rate housing. In addition, the plan will discuss provisions for protecting the natural environment from poorly designed housing developments.

HOUSING AVAILABILITY

GOAL: To expand housing opportunities for all persons who wish to be part of the community, including the promotion of lower cost housing and the encouragement and development of housing for low and moderate income families and senior citizens.

Housing for All Ages.

Housing in Crystal is most readily available to middle aged households. Since persons between the ages of 35 and 64 generally have higher incomes than those who are younger or older, they tend to find housing the most affordable. Conversely, because younger and older persons have lower incomes, they have less opportunity for housing in the city.

A related but independent phenomenon is the relationship between age and tenancy. As the figure below demonstrates, home ownership in the twin cities is lowest among the very young and the elderly. It is highest among middle aged persons. While a portion of this difference is undoubtedly due to income considerations, it also reflects preferences for housing among age groups.

Figure 8
Tenancy and Age in the Twin Cities

Age of Head of Household	Percent Owning	Percent Renting
18 - 24	56	44
25 - 34	73	27
35 - 44	87	13
45 - 64	88	12
65 +	79	21

Source: Housing Preferences in the Twin Cities Metropolitan Area, published by the Metropolitan Council, Sept. 1984, pub. No. 01-84-149.

One way to providing housing for these age groups is to encourage construction of housing types that suit their particular needs. This is especially true with regard to senior citizens. The elderly often cannot continue to maintain their homes because of their decreasing physical abilities. A type of housing which would lessen these maintenance burdens, such as apartments, condominiums, townhouses or patio homes, would be more suited to their needs. Inclusion of services such as congregate dining, transportation and shopping in

such housing can further address the needs of this age group. The provisions of adequate support services for older citizens, such as transportation, health and social services, is an important additional contribution the city can make to the living environment of senior citizens.

Many persons over the age of 50 are "empty-nesters" whose children have grown up and moved out of the house. A house that was large enough to raise a family is often too big for the remaining couple or individual. By encouraging older couples and individuals to move into housing that is more suited to their needs, larger homes become available for purchase by families with children who need additional space. Existing homes also tend to be less costly than comparably-sized newer homes and are more easily afforded by younger families.

A side benefit of such housing turnover may be better maintenance of the stock of older housing. Unusually long tenure in a home often leads to deferred maintenance. Studies have indicated that homeowners are most likely to make improvements in their dwellings during the first seven years of occupancy.

POLICY: The city of Crystal will promote housing for those in all age groups.

Open Housing.

Discrimination on the basis of color or national origin can defeat the city's efforts to provide housing for all persons. Welfare recipients and female-headed households are among other groups which have sometimes been discriminated against when seeking housing. The city of Crystal does not condone discriminatory housing practices. Housing in Crystal must be open to families and individuals without regard to race, religion, sex, economic status, or cultural or ethnic background.

POLICY: The city of Crystal supports fair housing laws and programs to eliminate discrimination in the sale or rental of housing.

Development Review Process.

In order to ensure the development of quality housing in Crystal, it is necessary to subject development proposals to city review. While an attempt is made to complete this process is quickly as possible, a small amount of delay is inevitable. Under some circumstances the delay is considerable, especially when other public agencies also must review a proposal.

In many cases, short delays in the review process will not substantially effect the cost of housing. However, when long delays take place, the developer can incur increased costs which are ultimately passed on to the purchaser or occupant of the property. To ensure quality housing while at the same time not causing long delays, the city must take steps to make the review process efficient.

POLICY: The city of Crystal will discourage unnecessary delays in reviewing housing development proposals by streamlining the process to make development review more efficient.

Land Use Regulations.

Land use regulations are among the most important tools the city can use for guiding housing development. Adequate land use controls are necessary for providing orderly municipal growth, protecting the natural environment, insulating residents from adverse types of development and providing for the health and safety of the residents. If land use regulations go beyond these purposes, the type and cost of housing in Crystal can be affected.

One of the most sensitive measures of the effect of land use regulations on the cost and availability of housing is in the development standards required by the zoning and subdivision ordinances. Large minimum lot size and generous setbacks tend to push up the cost of housing. While lowering these factors does not always result in lowering the cost of housing, it has a general tendency to do so.

The scarcity of lots for single family dwellings and the existing pattern of development in Crystal lessen the need for any substantial revision to the standards applicable to single family structures. However, similar issues exist regarding multiple family developments as well and the city should be sensitive to this fact.

POLICY: The city of Crystal supports development and implementation of land use regulations which allow for the provision of housing which is affordable to a broad spectrum of persons in the community.

Special Land Use and Zoning Provisions.

It is difficult to provide moderate priced housing in Crystal. To encourage the development of such housing, the city should utilize flexible land use and zoning standards. Innovative planning approaches, such as the planned unit development and zero lot line techniques, can reduce housing costs while at the same time provide for better use of land, increased protection of natural features, and a higher level of supporting community services.

The city of Crystal should not restrict itself to traditional land use and zoning approaches for the remaining parcels of undeveloped land in the City. When possible, land use and zoning regulations should be designed to fit characteristics of land and surrounding development, while at the same time, meeting the needs of individual developments.

POLICY: The city of Crystal will encourage innovative zoning and land use approaches to promote the development of modest cost housing.

Housing Types Offered.

The type of housing in which people prefer to live is based at least partially on the type of housing with which they are familiar. The majority of families and individuals in Crystal prefer single family detached housing. The preference for single family housing, however, varies among different groups. As figure 7 illustrates, younger and older persons have less desire to reside in such housing than do middle aged families.

With today's housing market, many families and individuals are unable to choose the type of housing in which they would prefer to live. Because of high housing costs, an increasing number of persons are unable to afford single family housing. If current cost trends continue in housing, the demand for multiple family and attached single housing will grow. Such housing types offer the potential for savings in construction costs, utility costs and energy usage.

While Crystal has a large supply of single family units and a considerable number of traditional apartments, it has relatively few townhouses, quadriminiums or patio homes. These forms of housing are increasingly popular throughout the metropolitan area and the city's short supply puts it at a disadvantage compared with some areas, particularly those communities which have experienced significant residential development within the last ten years. Persons desiring such single family attached housing have a difficult time finding it within Crystal. The city of Crystal should encourage the development of multiple family and attached single family housing units in a variety of cost ranges to meet the housing needs of all groups.

POLICY: The city of Crystal will support the construction of multiple family and attached single family housing units where appropriate.

Low and Moderate Cost Housing.

It is particularly difficult to provide housing for low and moderate income persons. The cost of market rate housing is often beyond the financial reach of such households and, in some instances, families and individuals are forced to live in inferior or substandard housing.

In 1980 there were 80 households in Crystal with at least one person 62 years of age or older with incomes at or below 80 percent of the metropolitan average. Fifty percent of these households had incomes at or below 50 percent of the area median. There were also 107 households headed by persons under the age of 62 with incomes at or below 80 percent of the metropolitan average. Forty percent of these households had incomes at or below 50 percent of the area average. Evidence suggests that the number of low and moderate income individuals and families has increased since 1980 due to the fact that a rise in average income tends to drop a larger number of persons on fixed incomes below the specified levels. This fact, accompanied by a continuing rise in the cost of housing, results in creating a very tight housing market for such persons.

In order to provide guidance to communities within the Twin Cities region, the metropolitan council has established low and moderate income housing goals for each community. The goal, called the "fair share" by the metropolitan council, expresses the number of new housing units the city is estimated to need for low and moderate income persons during the decade 1980-1990. The figures for Crystal range from 160 to 400 units.

POLICY: The city of Crystal will support construction of low and moderate income housing where appropriate.

Housing for the Elderly.

Crystal's population, like that of most other communities, is slowly aging. Not only is the median age rising, but the number of persons 65 years of age or older is also increasing both in absolute numbers and as a percentage of the population. An especially fast growing group is composed of persons 85 years of age or more, the so-called "old old".

The elderly often suffer from failing health and are no longer able to perform the maintenance responsibilities associated with living in a single family house. While some persons choose to live with younger relatives, many prefer the autonomy offered by housing especially designed for their needs. In recent years there has been growing popularity for housing which also offers congregate dining facilities or limited medical care. Even among those who are healthy there is generally a decline in the need for space and the desire to devote time to caring for a house. Although traditional apartments and other forms of multiple family housing can provide an alternative, many persons prefer the company of others their own age. All of these factors have contributed to the growing sub-market of housing for the elderly.

The need for specialized housing for the elderly is great in cities like Crystal in which the single family detached house is the predominate type of dwelling unit. Individuals and couples who leave their single family houses often want to remain close to their children, friends and churches. When there is a lack of acceptable alternative housing, such persons are often forced to leave the community. Since it is Crystal's goal to provide housing for all persons desiring to live in the city, it is essential that the special housing needs of the elderly be addressed.

Figure 9 below demonstrates the increase in Crystal's elderly population. Although the 1984 and 1990 figures are interpolated from earlier data, they suggest a trend which has been evident for a considerable period of time. Of course, not all of the elderly want specialized housing. However, the fact that in 1985 the names of over 300 persons were on a waiting list for a new elderly housing project in the city gives at least an anecdotal description of the situation.

Figure 9
Persons 65 Years of Age and Older

Year		Number	% of Total Population
1970		1025	3.3
1978		1114	4.0
1984	2.02	1848	7.0
1990		2277	9.0

Source: U.S. Census of the population for 1970 and Metropolitan Council

Mixed Housing Development.

The vast majority of the land in Crystal has been developed. The remaining parcels of land, partially those zoned and ready for residential development, are generally small and scattered throughout the city. However, there exist few tracts of land which through redevelopment or adaptive reuse could support a sizeable residential development. While not all of these are suitable for residential use for a variety of reasons, there is significant opportunity for the city to use this method of "in-fill" to satisfy some of its housing needs.

Developments which combine low and moderate income housing with housing for higher income groups is a desirable way to provide the mix of housing needed in Crystal. Such projects discourage the concentration of low and moderate income persons which has been shown to create a stigma by setting such persons apart from the remainder of the city. In instances where housing can be developed for a mix of income levels the city should encourage it.

POLICY: The city of Crystal will encourage multiple family housing developments which provide housing for a variety of income ranges.

Housing Revenue Bonds.

With the decline in federal housing subsidies, one of the few ways available to provide housing affordable to low and moderate income people is to use housing revenue bonds to finance the construction of new rental housing. The lower interest rate provided by these tax-exempt bonds can substantially lower development financing costs. In return, at least 20 percent of the units financed by housing revenue bonds must be made available to low and moderate income families.

Crystal currently has plans for two multiple family rental projects to be constructed with the use of housing revenue bonds. Both projects are located within the city's Bass Lake Road-Becker Park Redevelopment project area, a targeted area within the meaning of Minn. Stat. Section 462C.02, Subdivision 9. Each involves a bond amount not to exceed \$6,500,000.

The larger project calls for the construction of 160 units in two phases. The first phase, containing 71 units, is scheduled to be completed no later than April 1, 1986. The second phase is expected to be finished by December 31, 1986. The project will include 70 one bedroom units (750 square feet), 30 two bedroom, one bath units (950 square feet) and 60 two bedroom, two bath units (1,050 square feet). Projected monthly rentals are \$450, \$525 and \$550, respectively. At least 20 percent of the units will be reserved for persons whose income does not exceed 80 percent of the metropolitan area median.

The second project involves 91-109 units designed for rental to the elderly. The building is expected to be completed by December 31, 1986. There will be 10-13 two bedroom units (625 square feet) and the remainder will be one bedroom units (575 square feet). Monthly rents for the one bedroom units is expected to be between \$405 and \$440 and that of the larger apartments is estimated at between \$475 and \$515. Fifty percent of the untis will be reserved for low and moderate income elderly.

As a result of the two projects, between 77 and 87 housing units will be made available to families and individuals of low or moderate income. This will make a significant contribution towards meeting Crystal's fair share housing goals.

Both of the projects currently planned are located within a tax increment district and land costs and public facilities will be subsidized through the use of TIF. The city has evaluated the financial impact the projects will have on the city and other taxing jurisdictions. Crystal has concluded that the impact will be positive because, without public assistance, neither of the projects is likely to be constructed within the reasonably foreseeable future. The projects will improve the tax base for the city, county and school district in the long term while helping to redevelop the surrounding neighborhood. In addition, the projects are not likely to have an adverse impact on traffic, pollution or land values in the area.

In accordance with a regulatory agreement to be negotiated with each developer, the city may require evidence from the developers of the projects or other persons concerning the ability and intention of the developers to complete the project and compliance with the standards and requirements for making the financing established by the city. The agreements will provide that the specified number of units available for persons of low and moderate income must be maintained for a period of at least 10 years following the date upon which at least 50 percent of the units are rented. In order to monitor such matters the city or its representatives may inspect the relevant books and records of the developers and may periodically require certification from either the developers or other persons concerning compliance with various aspects of the program.

Administration of the projects will not require the city to hire any additional staff. However, the city will incur certain nominal costs for administration, including an estimated \$1,000 for preparation of reports.

POLICY: The city of Crystal will approve the issuance of housing revenue bonds in appropriate cases in order to increase the supply of affordable housing.

HOUSING QUALITY

GOAL: To maintain the character and condition of existing neighborhoods and the important housing resources they contain through careful planning.

Maintenance Codes.

Housing in good condition located in stable neighborhoods is a primary concern to those who own or rent housing. Several pockets of substandard housing exist in Crystal. Since adequate living conditions are basic to the quality of the residential environment, the city must strive to deter housing blight and deterioration.

Housing maintenance codes are the primary mechanism used in preserving housing quality. These codes are designed to keep older housing units in

compliance with established housing standards and to protect the health, safety and welfare of the resident.

The city of Crystal attempts to insure housing quality with its housing maintenance code. Although the code has been used successfully in the past, it contains no mandatory inspections provision and the city generally relies on complaints before initiating an inspection. Greater use could be made of this tool if it were made mandatory upon the occurrence of some specified event, perhaps the sale of the dwelling. It will also be necessary to identify housing which is in need of rehabilitation and improvement through periodic residential inspection and systematic enforcement and maintenance codes and ordinances.

POLICY: The city of Crystal will ensure the quality of existing housing by enforcing established maintenance codes through periodic and systematic inspection of housing.

Financial Assistance.

Those who reside in substandard housing often live on fixed or limited incomes. These persons generally cannot afford costly repairs or improvements needed to bring housing in compliance with the city's maintenance code. Also, major repairs or improvements made on housing can increase property taxes due to the increases in housing valuation after repairs are made.

For modest income families and individuals who live in substandard housing, costly repairs and improvements can be an added burden. If repairs and improvements on these housing units are major, residents may need to be relocated. In many cases, the cost of improvements and repairs are passed on to the tenant in the form of higher rent.

In the past Crystal operated loan and grant programs through its Housing and Redevelopment Authority for housing rehabilitation. The programs enabled qualifying families and individuals to use low cost loans or grants for the purpose of making home improvements, conserving energy and repairing health or safety hazards. Between the years 1977 and 1982, Crystal authorized 109 grants or loans. Since 1983 only grants have been offered. Thirty-six grants have been made since that time and an additional 18 are currently in various stages of processing.

POLICY: The city of Crystal will continue to provide financial assistance to low and moderate income persons for repairs and improvements made on substandard housing.

Compatible Development.

Nonresidential land uses, such as commercial and industrial structures located in or close to residential areas, can detract from the aesthetics of the neighborhoods because their physical size and design often are inconsistent with neighborhood structures. Also, public facilities, transportation utilization and environmental quality standards differ significantly in industrial and commercial developments.

In instances where topography, building forms and landscaping permit, commercial and industrial development can be located near residential areas. It is, however, necessary to protect the character of existing neighborhoods from negative impacts caused by incompatible developments. Where the impact of other developments negatively influence the residential area, it is necessary to separate and buffer neighborhoods.

POLICY: The city of Crystal will ensure that industrial, commercial, and other types of development are located and designed so as to be compatible with housing in existing neighborhoods and residential areas.

Protection of Natural Resources.

Housing development in Crystal can and should exist in harmony with the natural environment rather than work against it. Provisions should be made to ensure protection of tracts of land which are environmentally sensitive or have significant aesthetic value to the community as a whole.

POLICY: The city of Crystal will restrict housing development on wetlands, floodplains, steep slopes and other natural areas which perform important environmental functions or which offer aesthetic value to the entire city.

Pollution.

The quality of the residential environment in the city of Crystal can be adversely affected by pollution. Air and noise pollution from traffic along city arterials diminish the quality of life for those who live near these roadways.

As development and redevelopment continues to occur, increases in air, dust and odor pollution may occur in residential areas abutting commercial and industrial development. In these residential areas it will become necessary to provide adequate buffering and pollution abatement measures to protect residents from more intensive development.

POLICY: The city of Crystal will take all reasonable steps to protect the residential community from adverse environmental impacts of air, noise, dust and odor pollution by enforcing conformance with applicable state and federal standards.

Multiple Family and Attached Single Family Housing.

In many instances, multiple family housing is constructed or proposed in locations not suitable for residential development. The development of higher density housing in areas with poor accessibility to urban services and facilities is inconvenient for the resident and does not serve the city well.

Single family attached and multiple family housing developments are also often located on the fringes of commercial and industrial areas. High density housing built in these areas can be a desirable place in which to live. If located in close proximity to shopping, employment and transportation

facilities, residents will be provided with a high level of urban service delivery. However, there are problems associated with locating housing in these areas. In many instances, higher density housing is used exclusively to buffer more intensive land uses from single family housing. Also, industrial and commercial centers often produce nuisances such as congested roadways, noise and air pollution.

The city should strive to ensure that housing of all types is located in areas amenable to residential living. Therefore, apartments and townhouses should be discouraged in areas not suitable for residential development and encouraged in areas where they will not be subject to adverse conditions.

POLICY: The city of Crystal will discourage higher density housing in areas not suitable for residential development due to such factors as lack of shopping, employment and transportation, or exposure to adverse conditions such as air or noise pollution.

IMPLEMENTATION PROGRAM

The purpose of the housing implementation program is to identify steps the city will take to implement the housing policy plan. To be effective, the housing implementation program wil! include a wide range of integrated functions and activities in which the city will be involved. These functions will include developing housing programs, designing development regulations, implementing administrative procedures, and establishing adequate feedback systems to monitor the success or failure of housing programs.

The housing implementation program will emphasize maintaining the present housing stock and expanding housing opportunities for those in all income groups.

Housing Objectives.

Housing activities outlined in the policy plan are designed to ensure the availability of quality housing to all those who live in, or seek to live in the city of Crystal. Although the policy plan enumerates the course of action the city will take to achieve housing goals, the city must determine the anticipated or the desired result these actions will produce.

As Crystal's 1980 comprehensive plan and the estimates of the metropolitan council make clear, Crystal has seen a continuation in the trend towards lower population and fewer persons per dwelling unit. However, the total number of households (occupied dwelling units) should stabilize or rise slightly in the future.

Previous estimates indicated the downward trends would occur more slowly than has been the case. The metropolitan council's 1978 projections showed a 1980 population of 28,000 with 3.11 persons per unit. The city's 1980 comprehensive plan, prepared prior to the availability of census information from that year, estimated a population of 27,350 with 3.06 persons per unit. The city's population in the year 2000 was estimated to range between 23,500 and 25,500 with 2.57 to 2.77 persons per unit. In fact, the 1980 census figures

showed the city's population had already fallen to 25,543 with 2.82 persons per unit. Population estimates by the metropolitan council for the years since 1980 are as follows:

 $\underline{ \mbox{Figure 10} }$ Metropolitan Council Population Estimates

Year	Total
1981	25,210
1982	24,910
1983	24,890
1984	24,850

Despite the decline in population, Crystal continues to have a demand for more housing. The demand stems from several factors, the most significant of which is the continuing decline in the number of persons per household. Even with a smaller population, a drop in the number of persons per household has kept the number of housing units needed relatively constant. In addition, the city needs to replace units which are destroyed or become too costly to repair. While this has represented a relatively small number of units in the past it can be expected to climb in the future as the city's housing stock ages. Finally, demand for additional housing arises from changing needs and lifestyles. The unit which satisfied the housing needs of a family will not necessarily meet the requirements of single people or senior citizens. The city's housing supply must expand not just in number but also diversity in order to meet the needs of the community.

Affordable Housing.

The city's opportunities to encourage the development of housing affordable to those of low and moderate income have been severely limited by reductions in federal funding. The city will continue to investigate federal programs and apply them when feasible and appropriate.

At present, the major tool available to the city to promote affordable housing is through the issuance of housing revenue bonds. The city will make use of these tax exempt bonds to finance rental housing projects on which at least 20 percent of the units will be affordable by low and moderate income families and individuals.

Even with housing revenue bonds, development of such residential housing may require additional financial assistance. Community development block grants and tax increment financing are possible sources of funds to reduce land acquisition and development costs. The city will provide additional financial assistance to enable the development of affordable housing when such assistance is necessary and appropriate.

Housing Rehabilitation.

The majority of Crystal's housing stock is generally in good condition and it is important that it be maintained as it ages. The city has adapted a housing maintenance code which is currently used in response to complaints. However, a disclosure program should be considered for all owner-occupied and rental property. Under this type of program, all housing units would be examined for code violations at the time of sale or lease of property. The inspector would identify any problems contained in the housing unit and provide a full disclosure of the defects. This would then provide an opportunity for the owner, renter, or the purchaser of the property to make or negotiate for necessary repairs. In the event of the discovery of major code violations or ones which would endanger the life and safety of the residents, this program could also mandate that these corrections be made. In support of this effort, the city should continue to provide housing rehabilitation grants.

Land Use.

Land use and zoning regulations are among the primary tools the city of Crystal can use to guide housing development. These regulations must be designed to protect the health, safety and welfare of existing residents without excluding any group because of age or low income.

To encourage a good supply and diversity of housing in the city of Crystal, the following steps should be considered:

- 1. The city's land use regulations, especially its zoning ordinance and subdivision controls, should be reviewed and updated to ensure flexibility in regulating development.
- 2. Provision should be made in the zoning ordinance to encourage innovative housing types.
- 3. Development controls and policies should be evaluated in terms of their impact on redevelopment efforts since it is likely that a significant number of housing units will be made possible only through the redevelopment of targeted areas of the city.

CITY OF CRYSTAL HOUSING REVENUE BOND PROGRAM

BASS LAKE-BECKER PARK REDEVELOPMENT PROJECT

BECKER PARK ELDERLY HOUSING ASSOCIATES PROJECT

Pursuant to Minnesota Statutes, Chapter 462C (the Act), together with Minnesota Statutes, Sections 273.71-273.78 (the TIF Act), the city of Crystal has been authorized to develop, plan and administer programs for making construction and long-term financing loans to finance multifamily housing developments located within its boundaries, under the circumstances and within the limitations set forth in the Act. Section 462C.07 of the Act provides that such programs for multifamily housing developments may be financed by revenue bonds issued by the city.

In creating its multifamily housing finance program, the city council of Crystal has found and determined that the preservation and enhancement of the high quality of life in Crystal is dependent upon the maintenance and provision of adequate, decent, safe and sanitary housing stock; and that accomplishing the provision of such housing stock is a public purpose and will benefit the citizens of Crystal; that a need exists within Crystal to provide in a timely fashion additional and affordable housing to persons residing and expected to reside in the city; that a need exists for mortgage credit to be made available for the new construction of additional multifamily housing; and that a need exists for locating middle income households in older areas of the city.

The city proposes to issue TIF bonds and housing revenue bonds for a project within the city's Bass Lake Road-Becker Park Redevelopment Project Area. The TIF bonds will be issued to pay the costs of land and certain public improvements to be provided throughout the Project Area. The housing revenue bonds will be issued to pay construction costs associated with the project described herein.

A multi-family housing project for the elderly is proposed by Becker Park Elderly Housing Associates. Plans call for construction of 91-109 units on a 1.74 acres site at the southwest intersection of 55th Avenue North and Douglas Drive. It is expected that the project will contain 10-13 two bedroom units, each with 625 square feet, while the remainder of the apartments will be one bedroom units with 575 square feet. Monthly rentals for the one bedroom units are estimated to be \$405-\$440 while the larger units will rent for \$475-\$515 per month. At least 50 percent of the units will be reserved for families and individuals whose income does not exceed 80 percent of the metropolitan area median. The project is expected to be completed by December 31, 1986 and will be undertaken in accordance with Section 462C.05, Subd. 4 of the Act.

A regulatory agreement will be signed with the developer which will specify the efforts which must be made by the developer to meet the goal regarding low and moderate income tenants. The agreement will require that the low and moderate income goals be maintained for a period of at least 10 years from the date the project is at least 50 percent rented. The agreement will also allow the city to monitor compliance with all applicable regulations and agreements.

The city believes that the project will assist the city in addressing its housing needs by generally increasing the supply of rental housing and by providing additional opportunities for persons of low and moderate income. By reserving 45-55 units for such persons, the project will contribute to meeting Crystal's fair share of housing for those of low and moderate income. The city also believes, based on the presentations of the developer, that the project is not economically feasible and would not be constructed without housing revenue bond financing.

It is proposed that the housing revenue bonds either be sold publicly through an underwriter or privately placed, depending upon the condition of the bond market at the time of issuance of the bonds.

The city, in establishing this program, has considered generally available information regarding conditions in the housing industry and the information contained in the city's housing plan, including particularly (i) the availability and affordability of other government housing programs; (ii) the availability and affordability of private market financing for the acquisition of land for and construction of multifamily housing units; (iii) an analysis of population and employment needs; (iv) the recent housing trends and future housing needs of the city; and (v) an analysis of how the programs will meet the needs of persons and families residing and expected to reside in the city.

The city, in adopting the program, has further considered (i) the amount, timing and sale of bonds to finance the estimated amount of construction and mortgage loans to be made under the program, to fund the appropriate reserves and to pay the cost of issuance; (ii) the method of monitoring and implementation of the program to ensure compliance with the city's housing plan and its objectives; (iii) the method of administering, servicing, and supervising the program; (iv) the cost to the city, including future administrative expenses; (v) the restrictions on the multifamily development to be financed under the program; and (vi) certain other limitations.

The city, in adopting the program, considered the potential financing impact of bond issuance on affected public agencies. In addition, the City reviewed the method of marketing the program. Such review examined the equal opportunity for participation by (i) minorities; (ii) households with incomes at the lower end of the range that can be served by the program; (iii) households displaced by public and private actions; (iv) families with children; and (v) accessibility to the handicapped.

The projects will be constructed pursuant to Subdivisions 2, 3 and 4 of Section 462C.05 of the Act.

Subsection A. Definitions.

The following terms used in the program have the following meanings, respectively:

(01) "Act" means Minnesota Statutes, Sections 462C.01 through 462C.07, inclusive, as currently in effect and as the same may be amended from time to time.

- (02) "Adjusted Gross Income" means gross family income, less \$750 for each adult in the family, to a maximum of two adults, and less \$500 for each other dependent in the family.
- (03) "Agency" means the Minnesota housing finance agency, or any successor to its functions.
- (04) "Bonds" means the TIF bonds and housing bonds to be issued by the city to finance the program and includes any and all other obligations payable as provided hereunder.
- (05) "City" means the city of Crystal, Minnesota, or the Housing and Redevelopment Authority in and for the city of Crystal authorized by resolution of the city council to exercise, on its behalf, the powers conferred on the city under the Act.
 - (06) "Developer" means Becker Park Elderly Housing Associates.
- (07) "Housing Plan" means the city of Crystal's housing plan prepared pursuant to Section 462C.03 of the Act.
- (08) "Housing Unit" means any one of the apartment units located in the project, occupied by one person or family, and containing complete living facilities.
 - (9) "Land" means the real property upon which the project is situated.
- (10) "Program" means the program for the financing of the project pursuant to the Act.
- (11) "Project" means the 90 unit elderly project sponsored by Becker Park Elderly Housing Association.
- (12) "TIF Act" means Minnesota Statutes, Sections 273.71 through 273.78, inclusive, as currently in effect and as the same may be amended from time to time.

Subsection B. Program for Financing the Project.

The city hereby establishes a program to make loans for construction financing and permanent mortgage financing for multifamily housing developments, including the project. In establishing and carrying out such program, the city may exercise, within its corporate limits, any of the powers the Minnesota housing financing agency is authorized to exercise under the provisions of Minnesota Statutes, Chapter 462A.

The city will hire no additional staff for the administration of the program. If required for the sale of the bonds, the city will select a trustee for the programs and the bondholders which is experienced in trust management and has a large corporate trust portfolio. The trustee will administer and maintain the bonds sold to finance the program. The city will, however, incur certain costs for administration including an estimated \$1,000 for preparation of reports.

The city council hereby authorizes and directs the city manager to monitor all negotiations between the various parties taking part in the program to ensure that the documents of the program is consistent with the city's housing plan and the requirements of the city as set forth in this section. Prior to the adoption of the resolution authorizing the sale of bonds to finance the program, the city manager shall report to the city council his findings as to the consistency of the documents of the program with the housing plan and the policies of the city contained in this section.

It is contemplated that the bonds shall have a maturity of 30 years and will be priced to the market at the time of issuance. The bonds will not be general obligation bonds of the city, but are expected to be paid from revenues and properties pledged to the payment thereof, which may include a credit enhancement item such as insurance or a letter of credit, or a mortgage or other encumbrance on the program and, in the case of the TIF bonds, tax increments from the project.

Subsection C. Local Contributions to the Program.

It is not contemplated that any additional financing or contributions will be needed for the completion of the project, or for the operation of the program, other than the bond issue described above.

Subsection D. Standards and Requirements Relating to the Financing of the Project Pursuant to the Program.

The following standards and requirements shall apply with respect to the operation of the project by the developer pursuant to this program:

- (01) Substantially all of the proceeds of the sale of the issue of bonds will be used to provide funds for the acquisition of the land and construction of the project, which will include a total of 91-109 residential units for the elderly. The proceeds of the housing bonds will be made available to the developer pursuant to the terms of the bond offering, which may include certain covenants to be entered into between the city and the developer.
- (02) The developer or owner or the project will not arbitrarily reject an application from a proposed tenant because of race, color, creed, religion, national origin, sex, marital status, or status with regard to public assistance or disability.
- (03) Each dwelling unit within the project must be used primarily for residential purposes.
- (04) No housing unit may be in violation of applicable zoning ordinances or other land use regulations, including any urban renewal plan or development district plan, and including the state building code as set forth under Minnesota Statutes, Section 16.83, et seq.
- (05) Although intended primarily for persons 65 years of age or older, the project shall be designed to be affordable by persons and families with an adjusted gross income not exceeding the income limits set forth in Section

462C.03, Subdivision 3 of the Act and by other persons and families determined to be necessary to further the policies of economic integration stated in Minnesota Statutes, Section 462A.02, Subdivision 6.

Subsection E. Evidence of Compliance.

The city may require from the developer or such other persons deemed necessary at or before the issuance of the bonds, evidence satisfactory to the city of the ability and intention of the developer to complete the project, and evidence satisfactory to the city of compliance with the standards and requirements for the making of the financing established by the city, as set forth herein; and in connection therewith, the city or its representatives may inspect the relevant books and records of the developer in order to confirm such ability, intention and compliance. In addition, the city may periodically require certification from either the developer or such other persons deemed necessary concerning compliance with various aspects of the program.

Subsection F. Issuance of Bonds.

To finance the program authorized by this section, the city may, by resolution, authorize, issue and sell TIF bonds and housing bonds, in an aggregate principal amount presently estimated not to exceed \$13,500,000, pursuant to the Act. The amount of the TIF bond issue is not expected to exceed \$7,000,000 and the amount of the housing revenue bond issue is not expected to exceed \$6,500,000. In issuing the housing bonds, the city may exercise, within its corporate limits of the city, any of the powers of Minnesota housing finance agency is authorized to exercise under the provisions of Minnesota Statutes, Chapter 462A, without limitation under the provisions of Minnesota Statutes, Chapter 475.

Subsection G. Severability.

The provisions of the program are severable and if any provisions, sentences, clauses or paragraphs shall be held unconstitutional, contrary to statute, exceeding the authority of the city or otherwise illegal or inoperative by any court of competent jurisdiction, the decision of such court shall not affect or impair any of the remaining provisions of the program.

Subsection H. Amendment.

The city shall not amend the program to the detriment of the holders of the bonds while such bonds as are authorized herein are outstanding.

CITY OF CRYSTAL HOUSING REVENUE BOND PROGRAM

BASS LAKE-BECKER PARK REDEVELOPMENT PROJECT

CHP LIMITED PARTNERSHIP PROJECT

Pursuant to Minnesota Statutes, Chapter 462C (the Act), together with Minnesota Statutes, Sections 273.71-273.78 (the TIF Act), the city of Crystal has been authorized to develop, plan and administer programs for making construction and long-term financing loans to finance multifamily housing developments located within its boundaries, under the circumstances and within the limitations set forth in the Act. Section 462C.07 of the Act provides that such programs for multifamily housing developments may be financed by revenue bonds issued by the city.

In creating its multifamily housing finance program, the city council of Crystal has found and determined that the preservation and enhancement of the high quality of life in Crystal is dependent upon the maintenance and provision of adequate, decent, safe and sanitary housing stock; and that accomplishing the provision of such housing stock is a public purpose and will benefit the citizens of Crystal; that a need exists within Crystal to provide in a timely fashion additional and affordable housing to persons residing and expected to reside in the city; that a need exists for mortgage credit to be made available for the new construction of additional multifamily housing; and that a need exists for locating middle income households in older areas of the city.

The city proposes to issue TIF bonds and housing revenue bonds for a project within the city's Bass Lake Road-Becker Park Redevelopment Project Area. The TIF bonds will be issued to pay the costs of land and certain public improvements to be provided throughout the Project Area. The housing revenue bonds will be issued to pay construction costs associated with the project described herein.

A multi-family housing project is proposed by CHP Limited Partnership. Plans call for construction of 160 units in two phases on a 5.7 acre site at 5500 Douglas Drive. Phase one, containing 71 units, will be completed no later than April 1, 1986 and phase two will be finished by December 31, 1986. There will be 70 one bedroom units with 750 square feet, 30 two bedroom, one bath units with 950 square feet and 60 two bedroom, two bath units with 1,050 square feet. Monthly rentals are expected to be \$450, \$525 and \$550, respectively. At least 20 percent of the units will be reserved for families and individuals whose income does not exceed 80 percent of the metropolitan area median. The project will be undertaken in accordance with Section 462C.05, Subd. 4 of the Act.

A regulatory agreement will be signed with the developer which will specify the efforts which must be made by the developer to meet the goal regarding low and moderate income tenants. The agreement will require that the low and moderate income goals be maintained for a period of at least 10 years from the date the project is at least 50 percent rented. The agreement will also allow the city to monitor compliance with all applicable regulations and agreements.

The city believes that the project will assist the city in addressing its housing needs by generally increasing the supply of rental housing and by providing additional opportunities for persons of low and moderate income. By reserving 32 units for such persons, the project will contribute to meeting Crystal's fair share of housing for those of low and moderate income. The city also believes, based on the representations of the developer, that the project is not economically feasible and would not be constructed without housing revenue bond financing.

It is proposed that the housing revenue bonds either be sold publicly through an underwriter or privately placed, depending upon the condition of the bond market at the time of issuance of the bonds.

The city, in establishing this program, has considered generally available information regarding conditions in the housing industry and the information contained in the city's housing plan, including particularly (i) the availability and affordability of other government housing programs; (ii) the availability and affordability of private market financing for the acquisition of land for and construction of multifamily housing units; (iii) an analysis of population and employment needs; (iv) the recent housing trends and future housing needs of the city; and (v) an analysis of how the programs will meet the needs of persons and families residing and expected to reside in the city.

The city, in adopting the program, has further considered (i) the amount, timing and sale of bonds to finance the estimated amount of construction and mortgage loans to be made under the program, to fund the appropriate reserves and to pay the cost of issuance; (ii) the method of monitoring and implementation of the program to ensure compliance with the city's housing plan and its objectives; (iii) the method of administering, servicing, and supervising the program; (iv) the cost to the city, including future administrative expenses; (v) the restrictions on the multifamily development to be financed under the program; and (vi) certain other limitations.

The city, in adopting the program, considered the potential financing impact of bond issuance on affected public agencies. In addition, the city reviewed the method of marketing the program. Such review examined the equal opportunity for participation by (i) minorities; (ii) households with incomes at the lower end of the range that can be served by the program; (iii) households displaced by public and private actions; (iv) families with children; and (v) accessibility to the handicapped.

The projects will be constructed pursuant to Subdivisions 2, 3 and 4 of Section 462C.05 of the Act.

Subsection A. Definitions.

The following terms used in the program have the following meanings, respectively:

(01) "Act" means Minnesota Statutes, Sections 462C.01 through 462C.07, inclusive, as currently in effect and as the same may be amended from time to time.

- (02) "Adjusted Gross Income" means gross family income, less \$750 for each adult in the family, to a maximum of two adults, and less \$500 for each other dependent in the family.
- (03) "Agency" means the Minnesota housing finance agency, or any successor to its functions.
- (04) "Bonds" means the TIF bonds and housing bonds to be issued by the city to finance the program and includes any and all other obligations payable as provided hereunder.
- (05) "City" means the city of Crystal, Minnesota, or the Housing and Redevelopment Authority in and for the city of Crystal authorized by resolution of the city council to exercise, on its behalf, the powers conferred on the city under the Act.
 - (06) "Developer" means CHP Limited Partnership.
- (07) "Housing Plan" means the city of Crystal's housing plan prepared pursuant to Section 462C.03 of the Act.
- (08) "Housing Unit" means any one of the apartment units located in the project, occupied by one person or family, and containing complete living facilities.
 - (9) "Land" means the real property upon which the project is situated.
- (10) "Program" means the program for the financing of the project pursuant to the Act.
- (11) "Project" means the 160 unit multifamily project sponsored by CHP Limited Partnership.
- (12) "TIF Act" means Minnesota Statutes, Sections 273.71 through 273.78, inclusive, as currently in effect and as the same may be amended from time to time.

Subsection B. Program for Financing the Project.

The city hereby establishes a program to make loans for construction financing and permanent mortgage financing for multifamily housing developments, including the project. In establishing and carrying out such program, the city may exercise, within its corporate limits, any of the powers the Minnesota housing financing agency is authorized to exercise under the provisions of Minnesota Statutes, Chapter 462A.

The city will hire no additional staff for the administration of the program. If required for the sale of the bonds, the city will select a trustee for the programs and the bondholders which is experienced in trust management and has a large corporate trust portfolio. The trustee will administer and maintain the bonds sold to finance the program. The city will, however, incur certain costs for administration including an estimated \$1,000 for preparation of reports.

The city council hereby authorizes and directs the city manager to monitor all negotiations between the various parties taking part in the program to ensure that the documents of the program is consistent with the city's housing plan and the requirements of the city as set forth in this section. Prior to the adoption of the resolution authorizing the sale of bonds to finance the program, the city manager shall report to the city council his findings as to the consistency of the documents of the program with the housing plan and the policies of the city contained in this section.

It is contemplated that the bonds shall have a maturity of 30 years and will be priced to the market at the time of issuance. The bonds will not be general obligation bonds of the city, but are expected to be paid from revenues and properties pledged to the payment thereof, which may include a credit enhancement item such as insurance or a letter of credit, or a mortgage or other encumbrance on the program and, in the case of the TIF bonds, tax increments from the project.

Subsection C. Local Contributions to the Program.

It is not contemplated that any additional financing or contributions will be needed for the completion of the project, or for the operation of the program, other than the bond issue described above.

Subsection D. Standards and Requirements Relating to the Financing of the Project Pursuant to the Program.

The following standards and requirements shall apply with respect to the operation of the project by the developer pursuant to this program:

- (01) Substantially all of the proceeds of the sale of the issue of bonds will be used to provide funds for the acquisition of the land and construction of the project, which will include a total of 160 residential units. The proceeds of the housing bonds will be made available to the developer pursuant to the terms of the bond offering, which may include certain covenants to be entered into between the city and the developer.
- (02) The developer or owner or the project will not arbitrarily reject an application from a proposed tenant because of race, color, creed, religion, national origin, sex, marital status, or status with regard to public assistance or disability.
- (03) Each dwelling unit within the project must be used primarily for residential purposes.
- (04) No housing unit may be in violation of applicable zoning ordinances or other land use regulations, including any urban renewal plan or development district plan, and including the state building code as set forth under Minnesota Statutes, Section 16.83, et seq.
- (05) The project shall be designed to be affordable by persons and families with an adjusted gross income not exceeding the income limits set forth in Section 462C.03, Subdivision 3 of the Act and by other persons and families

determined to be necessary to further the policies of economic integration stated in Minnesota Statutes, Section 462A.02, Subdivision 6. At least 20% of the housing units will be held for occupancy by families or individuals with an adjusted gross income not in excess of 80% of the median family income as estimated by the United States department of housing and urban development for the Minneapolis-St. Paul standard metropolitan statistical area.

Subsection E. Evidence of Compliance.

The city may require from the developer or such other persons deemed necessary at or before the issuance of the bonds, evidence satisfactory to the city of the ability and intention of the developer to complete the project, and evidence satisfactory to the city of compliance with the standards and requirements for the making of the financing established by the city, as set forth herein; and in connection therewith, the city or its representatives may inspect the relevant books and records of the developer in order to confirm such ability, intention and compliance. In addition, the city may periodically require certification from either the developer or such other persons deemed necessary concerning compliance with various aspects of the program.

Subsection F. Issuance of Bonds.

To finance the programs authorized by this section, the city may, by resolution, authorize, issue and sell TIF bonds and housing bonds, in an aggregate principal amount presently estimated not to exceed \$13,500,000, pursuant to the Act. The amount of the TIF bond issue is not expected to exceed \$7,000,000 and the amount of the housing revenue bond issue is not expected to exceed \$6,500,000. In issuing the housing bonds, the city may exercise, within its corporate limits of the city, any of the powers of Minnesota housing finance agency is authorized to exercise under the provisions of Minnesota Statutes, Chapter 462A, without limitation under the provisions of Minnesota Statutes, Chapter 475.

Subsection G. Severability.

The provisions of the program are severable and if any provisions, sentences, clauses or paragraphs shall be held unconstitutional, contrary to statute, exceeding the authority of the city or otherwise illegal or inoperative by any court of competent jurisdiction, the decision of such court shall not affect or impair any of the remaining provisions of the program.

Subsection H. Amendment.

The city shall not amend the program to the detriment of the holders of the bonds while such bonds as are authorized herein are outstanding.

June 28, 1985 Dear Councilmembers: Tuesday's meeting does not seem to have a lot of meat to it, but the last two or three items may require some discussion time. The meeting should go as follows: The minutes of the regular meeting of June 18, 1985, are enclosed for your review. Consent Agenda ITEM SUPPORTING DATA 1. Set Public Hearing to consider a request from Patrick and Ann Sauter for a variance to remodel existing house and a large garage at 4026 Hampshire. I believe the lead-in is self-explanatory and merely sets a public hearing which will be for the next Council meeting. If any other information is necessary, staff will be prepared Tuesday night. Regular Agenda 1. Public Hearing to consider a request from Darrell Holm for a variance to encroach 9' in the required 25' side street side yard setback to build a 12'x14' deck at 5801 Quail Ave. N. 2. Public Hearing to consider a request from Don Adams for a variance to encroach 20' in the required 30' side street side yard setback to build a 12'x20' deck at 5334 Fairview Ave. N. As in the Consent Agenda, additional information will be available through staff on Tuesday evening on the above two items. Consideration of a request to discon- Letter from Gary Joselyn tinue bike routes. dated 6/19/85.

3. (Continued)

I believe Gary Joselyn's letter is self-explanatory. I have no idea what the Council's feeling is on this issue, although I tend to agree with Gary's conclusions so much so that for the past two or three years, on special occasions, I have allowed, by permit, people to park on the prohibited areas for open houses relating to graduations, family reunions, and the like and have had no problem or complaints because of it.

4. Consideration of plans for restrooms and a fence in redeveloped Becker Park.

Copy of memo from BRW, Inc. of 6/26; plans for fence and restroom facilities; letter from Brutger Companies.

Harold will be here to discuss his memo with you. I have enclosed a copy of a letter I received from Steve Wilson regarding the fence between their property and the park. I have enclosed it for your information.

Consideration of accepting surety in the amount of \$22,000 from John Day for Meineke Muffler, 5259 Douglas Drive, and also entering into agreement for the improvements.

None.

6. Consideration of setting surety in the amount of \$9,500 for improvements as part of plat approval of Schweitzer 2nd Addition.

Copy of letter from City Engineer dated 6/19.

7. Consideration of reducing surety from Memo from City Engineer \$310,000 to \$30,000 for Crystal Green. dated 6/21/85.

I believe Bill's letter is self-explanatory. Bill will be gone on vacation for Tuesday night's meeting, but the rest of the staff should be prepared to answer any questions you may have regarding reducing surety.

8. Consideration of the Second Reading of an ordinance rezoning property from I-1 and B-4 to R-4 at 55th and Douglas Drive.

None.

9. Consideration of an appointment of a representative to the Five-City Senior Transportation Executive Committee.

None.

At the last meeting you approved the Joint Powers Agreement which included two representatives of the City. One was named in the agreement, that being the City Manager; the other was not named. I was in error in not bringing it to your attention at that time, but no harm has been done. No

June 28, 1985

9. (Continued)

meetings have been set as yet. The other communities, as I find out now, are appointing as the second representative the senior citizen coordinator because of their closeness with the senior programs. It would be my recommendation that the City of Crystal do the same and appoint Jeanne Fackler, Recreation Supervisor, employed in our Park and Recreation Department.

10. Consideration of a resolution proposing an amendment to the Crystal Comprehensive Plan.

Memo to City Mgr. from Redev. Coordinator of 6/19; copy of res.; Housing Plan & Programs for City dated 6/12/85.

I believe the memo from Leslie is self-explanatory, but I am considering having Leslie there to answer any questions you may have. She has been dealing directly with the Metro Council people and should have all the answers.

11. Consideration of a monitoring system in the Police Department.

Copy of bids; memo from Police Dept.; memo from Admin. Ass't.

You may recall some time ago the Council tentatively approved installing smoke detectors and a monitoring system in the cell area, but delayed the installation of the monitoring system until the communication area was going to be remodeled and moved, so that wiring would only have to be done once.

It is Staff's recommendation that we do it at this time during the remodeling of the communication area in the Police Department which will start within a week or so. The Police Department and Nancy ahve received advice from the socalled experts and have made a recommendation on which bid the Council should consider favorably. I am a long ways from being an expert in this area so we will rely on staff who have more hands-on experience.

12. Consideration of an application for Appli.; police report; tax an off-sale liquor license for Thomas clearance certificate.
H. Olsen dba Hitchin Post, 5616 Lakeland.

I am not certain whether I informed you of this or not, but because of the fact that there were some taxes unpaid by the owner of the Hitchin Post, we did not bring his license renewal to your attention at the last meeting, because we were prohibited to do so by State Law when all the taxes are not fully paid. He has now supplied a release from the Tax Department and he is okay to proceed.

I have allowed him to stay open July 1 and July 2 because everything else, in my opinion, is in order. If you choose

June 28, 1985 -4-Councilmembers 12. (Continued) not to renew his license, it is my opinion that no real harm is done, but if you do as I suspect, you will renew his license and he can continue on as if nothing had happened. In effect, what you are doing is ratifying a temporary approval that I made. I recommend that you do so. Letter from City Attny. of 13. Consideration of proposed nudity 6/26; memo from Susan Minsordinance. berg to D. Kennedy of 6/24; copy of ord.; copy of City Attny's letter of 1/31/85. I think the enclosed information is self-explanatory and there at your request. Dave will be on vacation Tuesday evening, but I suspect his replacement will be able to answer questions, if necessary, Tuesday evening. Consideration of an amendment to Letter from City Attorney provisions of the zoning code rela- of 6/27; copy of ord. 14. Consideration of an amendment to tive to property abutting Twin Lake. I have not read this ordinance as yet because we are to receive it in the mail today. It should accomplish the desired effect for those people who own property abutting Twin Lake and of necessity, have their garages on the Quail Avenue side which by present ordinance, is really their front yard. The effect of the amendment should provide an exclusion for those lots. I believe this is all we will have for Tuesday evening. John will have the Newsletter put together for your review at that time. It will not be ready to be enclosed in this preliminary agenda. Have a nice weekend. See you Tuesday evening. JACK JTI/da enc. P.S. The only bit of information we have is some scheduled group flights for those people desiring to go to the National League of Cities Conference in Seattle next fall. P.P.S. A person named Lee Smith may be in at the Council meeting to complain about a D.W.I. arrest. He is charged with D.W.I. and his blood test indicated a .143 level of alcohol. His first complaint to me was that he wasn't drunk. His second complaint to me was that he was brutalized by our police officer. The police officer in question is approximately a 98 lb. woman.

-5-June 28, 1985 Councilmembers He has talked to both the attorny firms we hire and so have I. I advised him that I would not put him on the agenda because that is not the proper form. If he wants to talk to our prosecuting attorney, he has that right, and I guess he already has. If he wants to file a complaint about our police officer doing anything to him, other than handcuffing him, he must file a formal complaint. Both attorney firms have advised me that the Council or I should not talk to him in public and the proper form is through the Court. The Court will determine if he is guilty or not guilty. The Court will also determine whether our officer is quilty of brutality. I don't know if he is going to come. He has threatened a one hundred million dollar lawsuit if he does not get to talk to the Council. My recommendation and the recommendation of the two attorney firms is that the Council may listen to him, but should not respond. I know it is a difficult situation, but I don't know how else to handle it. JACK

APPLICATIONS FOR LICENSE July 2, 1985

FOOD ESTABLISHMENT - Retail (\$82.50 lst fac. + \$27.50 ea. addnl facility)

Big B's, 6000 42nd Avenue North

Big B's, 6000 42nd Avenue North

FOOD ESTABLISHMENT - Itinerant (\$27.50 lst day + \$11.00 ea. addnl day)

Crystal Merchants Assoc. at Crystal Shopping Center for Crazy Days July 8-13, 1985 (food truck)

FOOD ESTABLISHMENT - Itinerant (Exempt)

Crystal Fire Department, at Welcome Park Wagon #1 hot dogs at Crystal Frolics (Auxiliary) 7-26-85 to 7-28-85
Crystal Fire Department at Welcome Park Wagon #2 at Crystal Frolics (Auxiliary) 7-26-85 to 7-28-85
Knights of Columbus at Becker Park 7-26-85 to 7-28-85
Crystal Women of Today, Crystal Frolics, 1 pop truck July 26, 1985 to July 28, 1985

GARBAGE AND REFUSE HAULERS - (\$27.50 Co. Lic. + \$16.50 ea. vehicle)

Baldy Sanitation, Maple Plain, MN
Browning Ferris Industries, Eden Prairie, MN
Countrywide Service, Inc., Montrose, MN
Gallagher's Service, Inc., Minneapolis, MN
Metro Refuse, Inc., Savage, MN
Waste Management, Blaine, MN
Art Willman & Son, Inc., Minneapolis, MN
Brooklyn Disposal, Anoka, MN

CIGARETTES: (\$12.00 ea. machine and/or over counter sales)
Bradley Carlson dba Big B's, 6000 - 42nd Ave. N.

GASOLINE STATION: (\$36.25 Station + \$7.25 ea. hose connection)

Bradley Carlson dba Big B's, 6000 - 42nd Ave. N.

TAVERN: (\$522.50)

Godfather's Pizza, Inc. a div. of Diversifoods, Inc., 99 Willow Bend

APPLICATIONS FOR LICENSE July 2, 1985

TAVERN: (\$522.50 per yr.)

Barnstormers, Inc. dba Waldo's Pizza Joynt, 307 Willow Bend

3.2 BEER OFF-SALE: (\$42.00 per yr.)

Jim's Tom Thumb Superette, 5120 - 56th Ave. N. P.D.Q. Food Stores, 7200 - 56th Ave. N. SuperAmerica Station, 7818 - 36th Ave. N. Tom Thumb Superette, 2708 Douglas Drive

SIGN HANGERS - (\$66.00)

DeMars Signs, Fridley, MN Nordquist Sign Company, Inc., Minneapolis, MN Anchor Signs Inc. dba Universal Sign Company, St. Paul, MN

PLUMBING - (\$30.25)

H. I. S. Plumbing, 5132 Gorgas Ave., Edina, MN Hanson-Kleven Plumbing Company, 4352 Nicollet Ave. S., Minneapolis Solar Mechanical, 3247 Vincent Ave. N., Minneapolis

DUE DATE: NOON, WEDNESDAY JUNE 26, 1985

MEMO TO:

John T. Irving, City Manager

FROM:

John A. Olson, Assistant City Manager

ACTION NEEDED MEMO: From the June 18, 1985, Council Meeting

The items listed below are the actions requested by the City Council at their regular Council meeting of June 18, 1985. These items should be taken care of by noon, Wednesday, preceding the next regularly scheduled Council meeting and returned to the Assistant City Manager for his review.

CONSENT AGENDA

DEPARTMENT	ITEM	
BLDG. DEPT.	1.	Set public hearing to consider a request for a variance at 5801 Quail Avenue North. ACTION NEEDED: Notify affected property owners. ACTION TAKEN: Notice sent 6-18-85.
ASST. CITY MGR.		ACTION NEEDED: Place item on July 2, 1985 Council Agenda. ACTION TAKEN: Item placed on July 2, 1985 Council Agenda.
BLDG. DEPT.	2.	Set public hearing to consider a request for a variance at 5334 Fairview. ACTION NEEDED: Notify affected property owners. ACTION TAKEN: Notice sent 6-18-85.
ASST. CITY MGR.		ACTION NEEDED: Place item on July 2, 1985 Council Agenda. ACTION TAKEN: Item placed on July 2, 1985 Council Agenda.
CITY ENGINEER	3.	Set public hearing to consider tentative approval of proposed plat Roberta Addition located at 5601 Vera Cruz. ACTION NEEDED: Publish notice. ACTION TAKEN: To be published 7-3-85 for 7-16-85 meeting.

Consent Agenda (continued)

DEPARTMENT ITEM

ASST. CITY MGR. ACTION NEEDED: Place item on July 16, 1985 Council

Agenda.

ACTION TAKEN: To be placed on July 16, 1985 Council

Agenda.

REGULAR AGENDA

DEPARTMENT ITEM

BLDG. INSPECTOR 1. Public hearing to consider a request for a variance for a

3-season porch at 5420 Fairview.

ACTION NEEDED: Notify applicant of Council approval.

ACTION TAKEN: Applicant present at meeting.

BLDG. INSPECTOR 2. Public hearing to consider a request for a variance to build a screen porch at 4908 Quail Avenue North.

ACTION NEEDED: Notify applicant of Council approval.

ACTION TAKEN: Applicant present at meeting.

BLDG. INSPECTOR 3. Public hearing to consider a request for a variance to build a detached garage at 4908 Quail Avenue North.

ACTION NEEDED: Notify applicant of Council approval.

ACTION TAKEN: Applicant present at meeting.

CITY ENGINEER 4. Public hearing to consider tentative approval of proposed

plat HRA 4th Addition.

ACTION NEEDED: Notify applicant of Council approval.

ACTION TAKEN: Applicant present at meeting.

DEPARTMENT	ITEM	
CITY ENGINEER	5.	Public hearing to consider tentative approval of the proposed plat Palace Inn Addition located at 5607 Bass Lake Road. ACTION NEEDED: Notify applicant of Council approval. ACTION TAKEN: Letter sent 6-21-85.
CITY MANAGER	6.	Consideration of the Becker Park plans. ACTION NEEDED: Notify planning consultant to proceed with park as discussed by Council to include additional rest room facilities and child proof fence. ACTION TAKEN: Consultant notified and plans in process.
CITY CLERK	7.	Consideration of a request from Linda Dombrock for a private kennel license at 4361 Welcome. ACTION NEEDED: Notify applicant of Council approval. ACTION TAKEN: License issued.
CITY CLERK	8.	Consideration of a request from Ted and Linda Rich for a private kennel license at 2921 Idaho Avenue North. ACTION NEEDED: Notify applicant of Council approval. ACTION TAKEN: License issued.
BLDG. DEPT.	9.	Consideration of a request from the American Dairy Queen Corporation for a building permit for remodeling existing building at 6827 - 56th Avenue North. ACTION NEEDED: Notify applicant of Council approval. ACTION TAKEN: Applicant present at meeting.
BLDG. DEPT.	10.	Consideration of a request from Target for a building permit to construct 2 screening walls at 5537 West Broadway. ACTION NEEDED: Notify Target of Council denial and request that plans be presented to Planning Commission for an addition to building within 60 days. ACTION TAKEN: Applicant present at meeting.

DEPARTMENT	ITEM	
BLDG. DEPT.	11.	Consideration of a request from Marg Buss for a variance to the sign ordinance to erect a 345 sq. ft. wall sign at 5419 Lakeland. ACTION NEEDED: Notify applicant of Council approval. ACTION TAKEN: Applicant present at meeting.
CITY CLERK	12.	Consideration of a request from the Fire Department for a parade permit for the Crystal Frolics on July 28, 1985. ACTION NEEDED: Notify Fire Department of Council approval. ACTION TAKEN: Chairperson notified of approval.
	13.	Discussion of the Crystal Airport. ACTION NEEDED: No action needed at this time.
POLICE DEPT. FIRE DEPT.	14.	Consideration of the quarterly report of activity at the Iron Horse. ACTION NEEDED: Begin monthly Police report; maintain quarterly fire reports. ACTION TAKEN: Police Department proceeding as directed by City Council.
CITY ENGINEER	15.	Consideration of final approval of Schweitzer 2nd Addition located at 3245 Vera Cruz. ACTION NEEDED: Council took no action. Discuss with applicant surfacing the parking lot involved. ACTION TAKEN: Improvement letter prepared for 7-2-85 Council meeting.
CITY ENGINEER	16.	Consideration of Second Reading of an ordinance vacating utility easement at Tex-Sota Addition. ACTION NEEDED: Proceed with vacation. ACTION TAKEN: Ordinance sent for publishing.

DEPARTMENT	ITEM	
ASST. CITY MGR.	17.	Consideration of First Reading of an ordinance rezoning property from I-1 and B-4 to R-4 at 55th and Douglas Drive. ACTION NEEDED: Place item on July 2, 1985 Council Agenda. ACTION TAKEN: Item placed on July 2, 1985 Council Agenda.
CITY ENGINEER	18.	Consideration of placement of parking ordinance signs at entrances to City of Crystal. ACTION NEEDED: Order signs as outlined by City Engineer and place them when received. ACTION TAKEN: In process.
ADMIN. ASST.	19.	Consideration of a resolution regarding the agreement with Minnesota Waste Management for lease at Thorson Community Center. ACTION NEEDED: Notify Waste Management Board of Council approval. ACTION TAKEN: Resolution mailed 6-26-85.
CITY MANAGER	20.	Consideration of Joint Powers Agreement for five city transportation project. ACTION NEEDED: Forward resolution to appropriate person. ACTION TAKEN: Appointment of second member to committee on July 2, 1985 Council Agenda.
ASST. CITY MGR.	21.	Consideration of additional lights for the City Council Chambers. ACTION NEEDED: Notify low bidder of Council approval. ACTION TAKEN: Low bidder notified.

DEPARTMENT	ITEM	
CITY ENGINEER	22.	Consideration of a contract for bituminous patching mixture. ACTION NEEDED: Notify Bury Carlson of Council acceptance of bid. ACTION TAKEN: Contract mailed.
CITY ENGINEER	23.	Consideration of release of surety in the amount of \$5,000 for Nevada Court development. ACTION NEEDED: Notify applicant of Council release of surety. ACTION TAKEN: Letter sent to Ed Kauffmann.
CITY ENGINEER	24.	Consideration of the improvement of intersection #169 and County Road #10. ACTION NEEDED: Notify Highway Department and County of Council approval of project. ACTION TAKEN: In process.
BLDG. INSPECTOR	25.	Consideration of a request from staff regarding the issuance of building permits at new shopping center. ACTION NEEDED: Proceed to issue building permits for internal improvements as outlined by City Council. ACTION TAKEN: Will proceed as directed.
CITY MANAGER	26.	Consideration of City Council reviewing possible grounds for revocation of Iron Horse liquor license. ACTION NEEDED: Establish meeting for Council to discuss this item. ACTION TAKEN: In process.

DEPARTMENT	ITEM	
CITY ATTORNEY	27.	Discussion of nudity ordinance. ACTION NEEDED: Prepare ordinance on nudity for consideration. ACTION TAKEN: Compiling bare facts.
CITY CLERK	28.	Licenses.
		ACTION NEEDED: Issue licenses. ACTION TAKEN: Licenses issued.

To: Nancy Deno

From: Steve Sandwick

Date: May 23, 1985

Subj: Closed Circuit Monitoring

As per your request I have solicited quotations from companies to provide equipment and install closed circuit television monitoring for the police department booking and jail area. I received quotes from two companies that have done extensive work in this area and have provided similar services to other police departments with like circumstances. I was advised by both companies that we must increase the lighting within the cell areas to facilitate the operation of the system. I have solicited quotations from electrical contractors in regards to this and will include those quotations.

The two CCTV firms were MID CO and Videotronix Inc. Each company quoted similar equipment with the same capabilities. The equipment involved is one camera in the lobby area, one in the booking area, one along the corridor to the cells, one at the Intoxilyzer, one in each of the segregation cells, one monitoring cells 1 & 2, and one monitoring cells 3 & 4. There will be microphones monitoring in the cell areas, booking area and the Intoxilyzer area. All cameras will go through a switcher at the dispatch console and be monitored on one of two TV monitors at that location. A variable speed home type VCR (VHS format) will also be at the dispatch location to record any or all bookings. A time/date generator would be integrated with this recorder for evidentiary purposes.

The quotation from MID CO was \$ 10,801. The quotation from Videotronix Inc. was \$ 8,297. I have spoken with Capt. Wahl of the Eden Prairie Department of Public Safety in regards to work done for their department by Videotronix and learned that they have been extremely pleased with all contact. I would recommend that this company be allowed to install this equipment for us.

The lighting within the jail cells is the related issue that must also be dealt with in conjunction with the CCTV installation. I received quotations from two electrical contractors in regards to this project. I specified the need for secure, tamperproof fixtures similar to that used in other jail facilities. I received a quotation of \$ 3,200 for six fixtures and installation from CSI. I received a quotation of \$ 2,400 from Cramer Electric. CSI has of this date not sent a written quote but has advised me via telephone. I do have a written quote and spec sheet of the fixtures proposed by Cramer. We recently had Cramer do some minor work in our department and were pleased with the expediency and manner in which the work was completed. I would recommend that they be allowed to provide the fixtures and do the installation for this project.

CCTV cont. 2

We require approximately 500 video tapes to be on hand for recording of booking procedures. The purpose for this would be to protect from frivilous/nuisance lawsuits where claims of brutality etc are made. The recording of DWI breathtests would also aid in the prosecution of these cases. I have contacted Mike Ellis, General Manager of Adventures in Video, in regards to a price for these recording tapes. They can provide us with a high grade VHS tape for \$ 5.30 each or \$ 2,650 total. We anticipate between 500 and 1000 DWI arrests per year thus requiring the large amount of tapes.

I believe that the items quoted will satisfy the requirements that you presented to me and will also be a very welcome addition to our remodeling/upgrading. Both the electrical company and the CCTV firm stated that they could complete the project in conjunction with our remodeling schedule. They will require some advance notice to procure the equipment so an order should be placed in the near future.

Please let me know if there is any further information that I can supply for you regarding this project.

cramer electric



3101 IRVING AVENUE SOUTH MINNEAPOLIS, MINNESOTA 55408 827-3541

May 23, 1985

City of Crystal
Police Department
4141 North Douglas Drive
Crystal, MN 55422

Attn: Steven Sandwick

Gentlemen:

For the sum of Four Hundred dollars (\$400.00) each, we will furnish the necessary labor and material to install a total of (6) Morlite WLH 77-2/20 W/TS fixtures, (1) in each of the holding cells.

ACCEPTANCE OF SCHEDULE

Respectfully Submitted,

Jack Landberg

JL/ms



cramer electric



3101 IRVING AVENUE SOUTH MINNEAPOLIS, MINNESOTA 55408 827-3541

May 23, 1985

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ACCEPTANCE OF SCHEDULE

Respectfully Submitted,

Jack Landberg

JL/ms



February 13, 1985

TO: John T. Irving, City Manager

FROM: Nancy Deno, Administrative Assistant

RE: Smoke Detection - Monitoring System for Police Department

On January 29, 1985 an inspection was made by the Home Insurance Company Loss Control Department. The purpose of the inspection was to look into insurance claims and possible sources of claims on insured City properties. Inspections are made by Home Insurance Company quarterly.

Recommendation was made in August 1984 by Home Insurance Company to provide a smoke detection system and monitoring system in the holding cell area. The insurance liability exposure is great in this area, meaning cost for coverage is high. A second reinspection was made of the holding cell area in the Police Department on January 29, 1985. It was reported by Home Insurance Company that no smoke detection or monitoring system was in place at the time of inspection. The Insurance Company strongly recommends action to move forward in this matter due to the liability exposure involved.

My recommendation to the City Council is this - we have the money in the budget for 1985 for this smoke detection and monitoring system in the Police Department; make an honest effort to move forward in this matter. The insurance market is very tight this year and under regular circumstances I assume we will look at approximately increase in insurance cost this year.

Areas of excessive liability exposure (such as the ski hill) are at a greater percentage increase for the 1985-86 policy year. Areas where the Insurance Company has recommended upgrading (smoke detection and monitoring in the holding cell area) may have even a greater cost for coverage (100% increase), or if the company sees this as an area of great liability exposure, this area may be excluded from insurance coverage.

Again, I recommend that the City Council look at the smoke detection and monitoring of the holding cells in the Police Department and move forward in this matter. Insurance renewal for 1985-86 policy year is March 4, 1985.

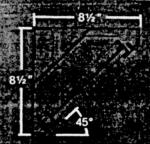
	JACK S.	RAMER ELECTRIC FOUR INQUIRY DATED	
100	CRYS	TAL POLICE DEPT. PROPOSED EMISPING DATE : TO BE EMISPED	
308		SALESMAN F.O.S	
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	(est	JACK LANDBERG	
		electric	
310	1 Irving Ave. S 82	50., Minneapolis 55408 7-3541	
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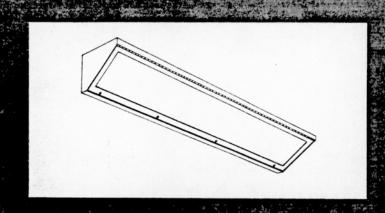
CONTENTS

	PAGE
MAXIMUM SECURITY	
Corner Wall Mounted Units Surface Mounted Units Recessed Units	4
Door and Frame Assembly Diffuser Options Specifications	5
MEDIUM SECURITY	
Corner Wall Mounted Units Surface Mounted Units Recessed Units	6
Door and Frame Assembly Diffuser Options Specifications	7
MINIMUM SECURITY	
Corner Wall Mounted Units Surface Mounted Units Recessed Units	8
Door and Frame Assembly Diffuser Options Specifications	9
INCANDESCENT FIXTURES STEEL Surface Mounted Unit	
Recessed Unit Thru Wall Back Service Unit	10
CAST ALUMINUM	
Recessed Unit with Cast Aluminum Trim Thru Wall Back Service Unit Corner Wall Mounted Unit	
Recessed Step Lite	11
CUSTOM LIGHTING	12
PARTIAL LIST OF CUSTOMERS	13
OPTION LIST	14

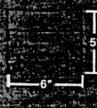
MAXIMUM SECURITY These representative examples can be modified in gar features and glazing to meet job requirements. These representative examples can be modified in gauge, features and glazing to meet job requirements.

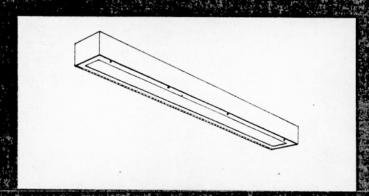
CORNER WALL MOUNTED UNITS

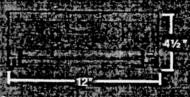




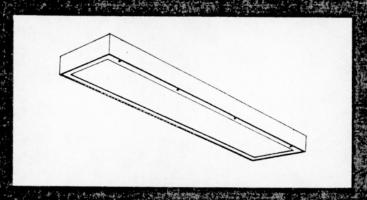
SURFACE MOUNTED UNITS



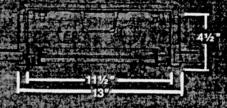




AMPS 240WIRS 250Wirs

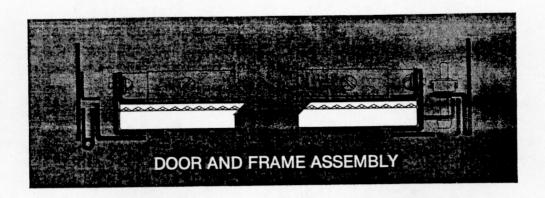


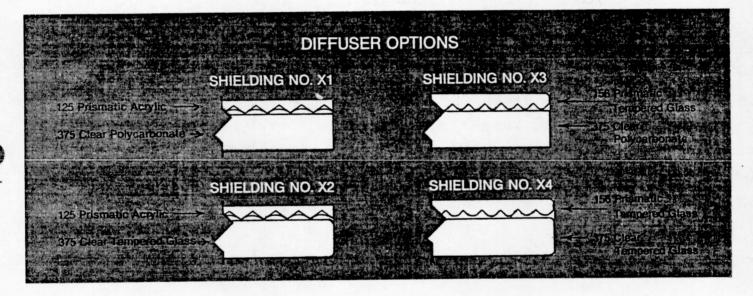
RECESSED UNITS



AT NO ENCHA







NOTE: Other shieldings available upon request.

SPECIFICATIONS

BALLAST: H.P.F. Rapid Start, Class "P", CBM/ETL Certified where available.

LAMPHOLDERS: Medium Bi-Pin base, Tombstone, "Turn-Lock" with silver plated contacts.

HINGE: Continuous 16 gauge piano type (1/4" Diameter Knuckle) with welded pin ends to prevent removal.

LATCHING: Four hardened "Tampruf" screws or rivet fastener (See OPTION LIST.) recessed in door frame.

DOOR FRAME: Die Formed 14 gauge C.R.S.

LENS FRAME: Die Formed 14 gauge C.R.S. spot welded to door frame.

LENS RETENTION: Continuous 14 gauge L-angles held with machine screws and lock washers.

HOUSING: Die Formed 14 gauge C.R.S.

All spot welded construction with end seams continuous MIG welded on surface mounted units.

MOUNTING: Surface fixtures provided with two 7/8" Diameter. Knockouts and four 5/16" diameter mounting holes. Recessed fixtures provided with 7/8" Diameter Knockouts in top and ends and two 14 gauge adjustable yoke hangers.

STANDARD FINISH: White baked enamel, 89% reflectance over corrosion resistant phosphate base coating.

ORDERING INFORMATION: SPECIFY:

CAT. NO.

LAMP TYPE

SHIELDING NO.

OPTIONS*

VOLTAGE 120

EXAMPLE:

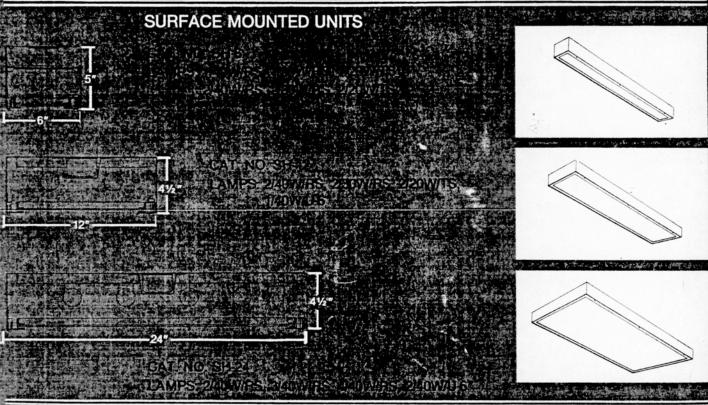
SHX-12

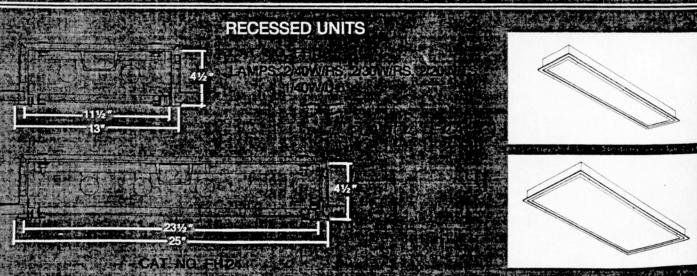
240

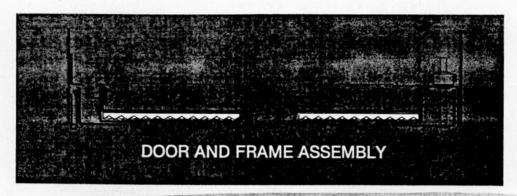
X2

FNL

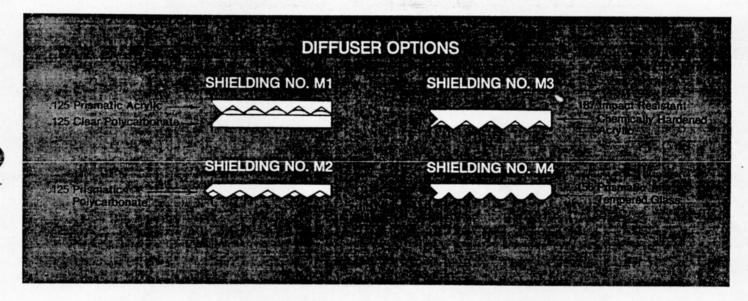
These representative examples can be modified in gauge, features and glazing to meet job requirements. CORNER WALL MOUNTED UNITS SURFACE MOUNTED UNITS SURFACE MOUNTED UNITS







NOTE: Also available with recessed "Tampruf" screws. (Add suffix "R" to base CAT. NO.)



NOTE: Other shieldings available upon request.

SPECIFICATIONS

BALLAST: H.P.F. Rapid Start, Class "P", CBM/ETL Certified where available.

LAMPHOLDERS: Medium Bi-Pin base, Tombstone, "Turn-Lock" with silver plated contacts.

HINGE: Full length piano type.

LATCHING: Captive hardened "Tampruf" screws.

DOOR FRAME: Die Formed 19 gauge C.R.S.

LENS FRAME: Die Formed 19 gauge C.R.S. spot welded to door frame.

LENS RETENTION: Continuous 19 gauge L-angles held with machine screws and lock washers.

HOUSING: Die Formed 19 gauge C.R.S.

All spot welded construction with MIG welding at stress points.

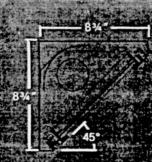
MOUNTING: Surface fixtures provided with two 7/8" Diameter. Knockouts and four 5/16" diameter mounting holes. Recessed fixtures provided with 7/8" Diameter Knockouts in top and ends and two 16 gauge adjustable yoke hangers.

STANDARD FINISH: White baked enamel, 89% reflectance over corrosion resistant phosphate base coating.

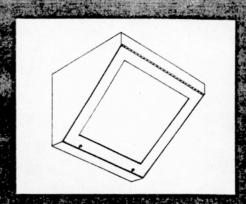
ORDERING INFORMATION: SPECIFY: CAT. NO. LAMP TYPE SHIELDING NO. OPTIONS VOLTAGE EXAMPLE: RS-15R 230 M1 DL 120V

INCANDESCENT FIXTURES

STEEL

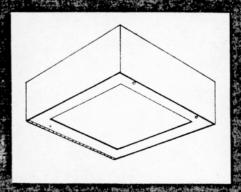


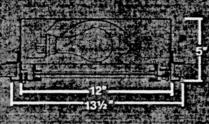
CORNER WALL MOUNTED UNIT



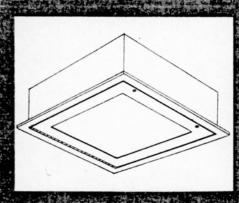


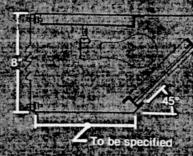
SURFACE MOUNTED UNIT



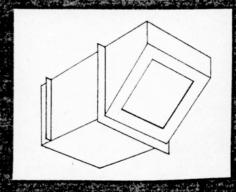


RECESSED UNIT





THRU WALL BACK SERVICE UNIT.

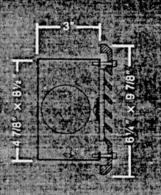


CONTROL OF LABOR.

CAST ALUMINUM

CORNER MOUNTED UNIT

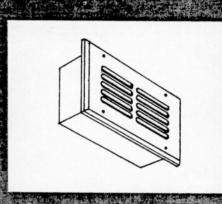
One 100 Watt Lamp of Concealed drop hinges Four ! Jampruf iscrew 3/16 Cast Alphanough

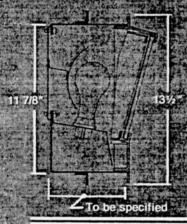


RECESSED STEP LITE

PARENCY NOW HEAT WATER

GATE NO NEED DOOSS With 16 gauge steel front CAT NO NLCH4070-CRS





THRU WALL BACK SERVICE UNIT

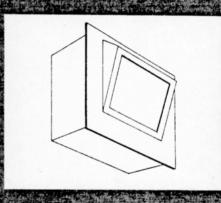
One 150 Wall Lamp

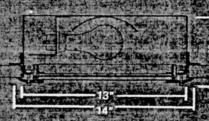
14 pauge housing 44 % an kay 3/16 Gast Aluminum race plan

Two Mampruf' screws to hold access cover.

18" × 1" mounting angles botten to top and bottom will tempered glass and prismatic tempered glass overlay.

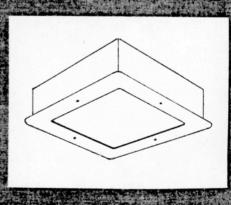
CAT NG 11:1057G-731





RECESSED UNIT

One a50 Watt Lamp Concealed drop hinge ebijas janjonij sedevs Sijos Casir Alvinjouni ion 16 gauge C.R.S. housing 1/4 tempered plass with uprismatic tempered glas

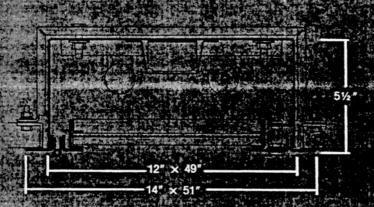


OPTIONS

TYPE OF INSTALLATION MEDIUM SECURITA

CUSTOM LIGHTING

Recently designed and installed in Correctional Institutions as indicated.



RECESSED FLUORESCENT FIXTURE

DESIGNED FOR HENNEPIN COUNTY
DETENTION CENTER MININEAPOLIS MN

TWO AD Wart Hapiri State Leafurs

Horee one Diece heavy gauge Voke hangers

Adoled roles of the Marchael as extrame

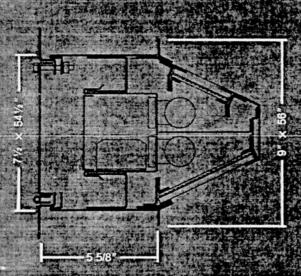
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THRU WALL BACK SERVICE FLUORESCENT FIXTURE

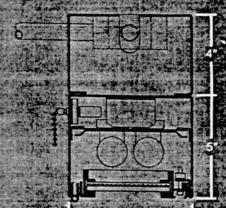


DESIGNED FOR HARRISTOUNTY JAIL HOUSTON TX

Two 40 Watt Rapid Start Lamps
Slide in electrical assembly
Cut-out in rear access door to slip cord and

Removable rear flange with hinged access

Up-Light, 3/8", clear flush modified polycarbonate with 1/8" prismatic acrylic overlay
Down-Light: 1/4" clear polycaronate with
1/8" prismatic acrylic overlay
14 gauge C.R.S housing and access door
14 gauge stainless steel rear flange
14 gauge stainless steel exposed housing

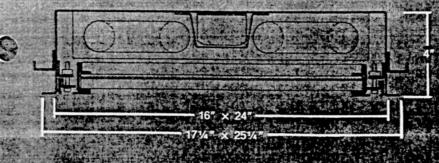


SURFACE MOUNTED FLUORESCENT FIXTURE

DESIGNED FOR REMODELING OF AND RAHWAY NO

Two 20 Wat Trigger Stant Lamps
Side included internally secured lever switch
with pull chain
Continuous heavy gauge plans hinge
Three recessed. Tampruf screws
1/4" clear tempered glass with 1/8" clear
prismatic polycarbonate overlay
14 gauge C.R.S. housing and door
14 gauge C.R.S. extension housing bolted to
100 of fixture to cover existing outlet box
Cut-outs in sides and ends of extension

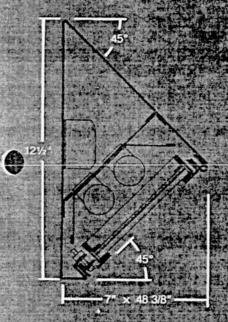
RECESSED FLUORESCENT FIXTURE



DESIGNED FOR D.C. DETENTION CENTER. WASHINGTON D.C.

Words Walled Samps (\$1584) Full length 16 gauge enclioning channels on

WALL MOUNTED FLUORESCENT FIXTURE



DESCRIBE TO PLYING COLINE THE SECTION OF THE PARTY OF INO 48 WEST BADIO SCATTLANTS

452 sloped top Continuous heavy gauge plant hinge Three recessed Tampruft screws 114" clear smooth polycarbonate with 1/8" clear prismatic acrylic overlay

gauge C.R.S. housing and door

The following is a partial first of recent Correctional Institutions for which MORLITE designed and furnished the security lighting in cells, dayrooms, corridors, exercise areas, guard stations, dining areas, etc.

Baltimore County Jail, Towson, MD Chisago County Defention Facility, Chisago City, MN, Tarimer County Jail, Larimer, CO Cranston Jail Intake Center, Framingham, MA Cummins Prison, Varner, AR D.C. Detention Center, Washington, D.C. Dallas County Justice Center, Dallas, TX Elmira Correctional Facility, Elmira, NY Federal Building, Dothan, Al Harris County Jail, Houston, TX Hendry County Detention Center, Hennepin County Detention Center, Minneapolis, MN Jefferson City Court House, Beaumont, TX July Jefferson County Courts Complex, Louisville, KY

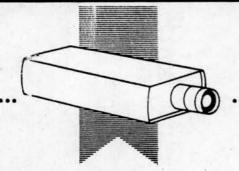
Juvenile Justice Center, Louisville, KY Law Enforcement Center, Fargo, ND Maryland House of Correction, Hagerstown, MD Memphis Judicial Complex, Memphis, TN Monroe County Law Enforcement Center, Monroe, MI Ohio State Mental Hospital, Columbus, OH Philadelphia Detention Center, Philadelphia, PA Rahway State Prison, Rahway, NJ Jennessee State Prison, Nashville, TN Tappecanoe County Jall, Lafayette, IN Wade County Court House, Raleigh, NC York Detention Center, York, PA

OPTION LIST

SUFFIX	DESCRIPTION
ES	Energy saving ballast (40 watt units only)
DB	Dimming ballast
FNL	(1) F 6T5/9" preheat fluorescent night light
NL	One 25 watt "T-10" medium base incandescent night light
TS	Toggle switch, flush mounted, internally secured to prevent damage
со	Grounded convenience outlet, flush mounted, internally secured to prevent damage
EMG	Emergency lighting supply pack to operate one lamp during power outage, utilizes sealed rechargable nickel cadmium battery, indicator light and test switch mounted inside fixture to prevent damage
DL	U.L. damp location label, fixture provided with stainless steel piano hinge and neoprene sponge gasketing
SD	Stainless steel door frame and hinge .
SS	Stainless steel housing, door frame and plano hinge
PF	1/8" × 1" × ¾" deep plaster frame
СР	$1/8" \times 1" \times 34"$ L-angles welded to sides of housing for mounting in concrete pour ceiling
SPK	Integral speaker compartment with perforated metal grill (Provide speaker detail.)
RV	3/16" dia. rivet, field installed with hand tool, removed by drilling off head for service

 FABRICATION: Custom manufacturing facilities allow variation from standard designs for specific application requirements.
 All fixtures carry I.B.E.W. - A.F.L. union label.

All catalogued fixtures carry Underwriter Laboratories label service.



MID•CO TV SYSTEMS

3440 KILMER LANE

MINNEAPOLIS, MINNESOTA 55441 (612) 544-3375

May 1, 1985

Mr. Steve Sandwick City of Crystal Police Department 4141 Douglas Drive Crystal, MN

Dear Mr. Sandwick:

We are pleased to submit our bid for the video-audio surveillance system for your facility. The system configuration by area is described as follows:

Cell Area

Two cameras, each will be mounted in custom built housings which are mounted within the block wall. The housings have been designed to occupy the wall area of one concrete block. The exposed surfaces will be heavy steel, free from screws and will have a Lexan window. The cameras will be equipped with 8MM lenses so as to view two cells. Each camera will have an associated security microphone.

Holding Area

The holding areas, (two) will each have a camera mounted in a corner housing and the camera will have a 4.8MM lens. Each camera will have an associated microphone.

Interview Area

The interview area will have one camera in a corner housing with a 4.8MM lens. A microphone will be mounted near the camera.

Booking Area

Identicle to the Interview Area.

Hall Area

One camera will be wall mounted in a tamper resistant enclosure and will be equipped with a 16MM lens. The enclosure will be mounted on a CM14 mount.

Entry Hall

Identicle to the Hall Area.

May 1, 1985

Mr. Steve Sandwick City of Crystal Police Department

continued.....

Console

Each camera will be wired to a sequential switcher which is also an audio switcher. The switcher will sequence through the eight cameras and six microphones at an interval which is operator adjustable from 5 to 45 seconds. When the operator finds something of interest he or she can place that picture and the associated audio on hold. The picture on hold will be displayed on the second monitor. A recorder will be furnished making it possible for any scene to be recorded.

We look forward to being selected to install the video-audio security system for your facility.

Sincerely

Richard A. Strain

Enclosure

RS/jv

May 1, 1985

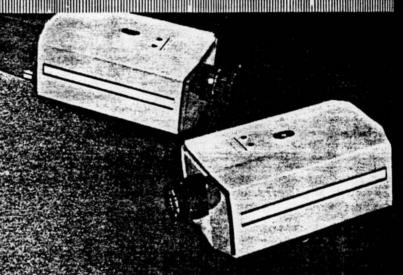
Mr. Steve Sandwick City of Crystal Police Department

EQUIPMENT LIST

8 ea.	TC-2512	RCA Cameras @ \$293.00 \$	2336.00
2 ea.	TOY 1614-K	Toyo 16MM f1.4 Lenses @ \$40.00	80.00
2 ea.	TOY 0813-K	Toyo 8MM fl.3 Lenses @ 53.00	106.00
2 ea.	CM-14	Pelco Wall Mounts @ \$20.00	40.00
4 ea.	TC2070HL	RCA Housings @ \$529.00	2116.00
2 ea.		Custom Housings @ \$215.00	430.00
1 ea.	1A965	Transformer	75.00
1 ea.	AVS-10B	Louroe Sequential Audio/Video, 10 Position Switcher w/Speaker, Rack Mounted	1136.00
6 ea.	A-O	Omni Directional Microphones @ 90.00	. 540.00
2 ea.	TC1910	RCA 9" Monitors @ \$160.00	320.00
1 ea.	TC1910MK	RCA Rack Kit for Monitors	42.00
1 ea.	255	RCA Cassette Recorder, Real Time Uni	t 542.00
1 lot		Misc. Connectors, Fasteners, Etc.	125.00
1200'		Belden RG59U Coaxial Cable @ .15¢/ft	180.00
2400'		West Penn 22GA Shielded, 2 Conductor Cable @ .12¢/ft	288.00
1 ea.		Installation	1200.00
1 lot		Wire Mold, Boxes, Etc.	100.00
		TOTAL \$1	0,386.00
Option	al Equipment		
1 ea.	TC1440B	RCA Time Date Generator	350.00
1 ea.	TC2117/01	RCA Rack Kit	65.00
			415.00

Now! Extra-High Performance Vidicon Cameras in the RCA TC2000 Family

- 17% Higher Resolution
 Capability to 700 lines
- 25% Better Low Light Sensitivity
 Useful pictures at only 0.2 fc scene brightness
- 25% Higher ALR
 125,000 to 1 Automatic Light Range
- Improved Signal-to-Noise
 Minimizes low frequency noise for cleaner pictures
- Phase-Adjustable Line Lock
 Externally adjustable for roll-free switching and stable VCR recording on mixed AC power phases.
- External AGC On/Off Switch Convenient picture optimization
- On-Screen Camera Ident
 Adjustable location for each camera TC2600 Models



_ பிடியியால் அள்ளவர்கள் இடியில் family performance features!

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लन्गीविद्

સંધારના કાર્યાક માં કોર્યા કરાયા છે. કોર્યા હતા કાર્યા કાર્યા કર્યા હતા કર્યા

Output Level Control

Chief Realities

2 to interlace. Utmost flexibility and freedom from sync problems in multi-camera/multi-equipment systems.

Synchronizes camera to AC power line zero crossing. Provides clean switching, splitting and time lapse VCR performance.

Accepts external composite sync or H&V drives for system synchronization, 60 Hz models lock to RS-170, RS-330 or Random interlace sync, 50 Hz models lock to CCIR sync.

Includes selectable 12 variable AGC gain/bandwidth amplifier for increased sensitivity and better signal-to-noise performance at lowest camera light levels. Internally adjustable for peak/average response weighting. Target voltage limiting minimizes tube lag and burn.

Back panel control permits adjustment of composite video output level with no change in the optimized operating conditions of the camera tube. Allows matching of signal levels in multi camera systems.

Automatic tracks electrode voltage of the magnetic focus camera tube — provides high picture quality with no need for readjustment during the life of the camera tube.

Automatic Beam Control (ABC), Auto-Black plus Keyed Clamp, Gamma Correction, Vidicon Positioning Adjustment and Lock, Top of Bottom Mounting, Wide Environmental Range.

Closed-Circuit
Video Equipment

Camera Tube 2/3" (18 mm). Separate mesh, magnetic focus and deflection. RCA vidicon, type 8844.

Sensitivity	(2856 K)	
A		

Sensitivity (2000 K	e di serie	Usable 'Picture	Full Video
Scene illumination★	tc lx	0.20 2.15	0.80 8.61
Scene brightness *	fL	0.152	0.60
	nt	0.521	2.06
Faceplate illum.	fc	0.015	0.06
	lx	0.161	0.65

f/1.4 lens, 75% highlight reflectance 1.0 lux (lx) = 0.0929 footcandle (fc) 1.0 nit (nt) = 0.2919 foot Lambert (fL)

Resolution capability to 700 lines.

Amplitude Response greater than 50% at 250 lines.

Automatic Light Range 125,000:1 ATC/AGC. Includes externally switchable 12:1 AGC variable gain/bandwidth amplifier. Internally adjustable for peak/average response weighting. Target voltage limiting reduces dark current.

Auto Track Electronic Focus (ATEF) Focus coil current tracked to electrode voltage to maintain sharp electrical focus throughout life of tube.

Signal to Noise FET low noise preamplifier. Better than 44 dB.

Automatic Beam Control (ABC) Automatic circuitry eliminates need for periodic readjustment of beam throughout life of camera tube.

Bandwidth 9 MHz. Automatically reduced at low light levels to optimize signal-to-noise.

Grey Scale At least 10 steps.

Gamma Correction Factory set to preferred response for type of camera tube used. Internally changeable from 0.5 through 1.0

Composite Video Output 1.0 to 1.4 V p-p. Adjustable attenuator-type control on back panel, 75 ohm.

White Clipper Automatic. Keeps highlights within preset level to avoid monitor or VTR overdrive.

Auto Black plus keyed clamp maintains constant pedestal setup throughout entire light range.

Sync EIA RS-170 or CCIR. Phase-locked loop synchronizes cameras to power line zero crossing. Crystal control option available. (DC Models — Crystal Control only.)

Phase Adjustable Line Lock Externally adjustable phase control for line lock allows roll-free vertical interval switching with cameras on different phases of the AC line.

Genlock Accepts composite sync or H&V drives at negative 4 V p-p (3 to 6 V p-p). RS-170, RS-330 or Random Interlace on 60 Hz models. CCIR on 50 Hz models.

Geometric Distortion 1.5% maximum of picture height within a center circle with diameter equal to picture height. 2% overall.

External Controls COMPOSITE VIDEO LEVEL; TUBE POSITION, TUBE LOCK.

Supply Voltage/Power:

12 VDC Models 10.5 to 16 VDC. 7.2 watts nominal at 12 V. 24 VAC Models 20 to 28 V or 26 to 34 V, 60 Hz. (Range switch) 15 watts nominal (at 24 or 30 V).

120 VAC Models 100 to 140 V, 60 Hz. 15 watts nominal at 120 V. 220 VAC Model 198 to 264 V, 50 Hz. 15 watts nominal at 220 V.

Camera/Power Supply Separation Separate Power Supply (TC2521, 22 and 24 Models) — up to 100 ft. using AWG-18, Type SV, 3-conductor cable (12 ft. cable supplied).

Lens Mount Standard "C".

Camera Mounts Two 1/4"-20 holes in base. One in top.

Connectors:

Genlock/Auto Iris - 8-pin DIN.

Video - BNC.

Printed Circuit Board Fiberglass epoxy with double-sided ground plane structure. Plated through holes.

Finish Light and dark beige. Lexan case.

Camera only 2.0 lbs (0.9 kg).

Camera/Integral Power Supply 3.3 lbs. (1.5 kg).

Remote Power Supply only 1.3 lbs. (0.6 kg).

8 mm Wide Angle Lens 140 gm (0.31 lb).

16 mm Standard Lens 70 gm (0.15 lb).

Camera only 3.05" H x 4.5" W x 7.1" L (75 x 114 x 180 mm). Camera/Integral Supply - 3.05" H x 4.5" W x 9.25" L (75 x 114 x 235 mm).

Remote 24 V Power Supply - 3.38" H x 2.25" W x 2.56" L (86 x 57 x 65 mm).

Remote 120 V Power Supply - 3.00" H x 2.53" W x 2.38" L (76 x 64 x 60 mm).

Remote 220 V Power Supply - 3.38" H x 2.25" W x 2.56" L (86 x 57 x 65 mm).

Temperature - 0 to 140° F (-18 to 60° C).

Humidity - 0 to 95% relative humidity.

Vibration - 3g swept sine wave, 15 to 2000 Hz.

Shock - 50g.

On-Screen Video Camera Ident (TC2600 Series only) Switch selectable numbers from 00 to 99 generated for instant on-screen identification of individual cameras. Adjustable location minimizes obscuration of picture detail or maximizes readability for each camera scene.

Model Designations:

TC2500 Series

Power Supply	Lens					
	None	8 mm	16 mm			
Separate 120 V, 60 Hz	TC2521	TC2521/8	TC2521/16			
Separate 220 V, 50 Hz	TC2524X	TC2524/8X	TC2524/16X			
Integral 120 V, 60 Hz	TC2511	TC2511/8	TC2511/16			
Integral 220 V, 50 Hz	TC2514X	TC25148X	TC2514/16X			
Separate 24 V, 60 Hz	TC2522	TC2522/8	TC2522/16			
Separate 24 V, 50 Hz	TC2522X	TC2522/8X	TC2522/16X			
Integral 24 V, 60 Hz	TC2512	TC2512/8	TC2512/16			
Integral 24 V, 50 Hz	TC2512X	TC2512/8X	TC2512/16X			
12 VDC (60 Hz X'tal)	TC2555/C	TC2555/8C	TC2555/16C			
12 VDC (50 Hz X'tal)	TC2555/CX	TC2555/8CX	TC2555/16CX			

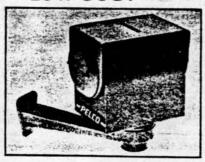
TC2600 Series (TC2500 Series plus Camera Ident)

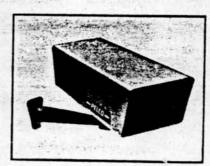
Same as TC2500 Series except replace 'TC25' with 'TC26'.

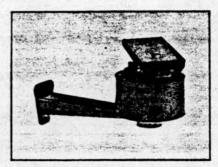


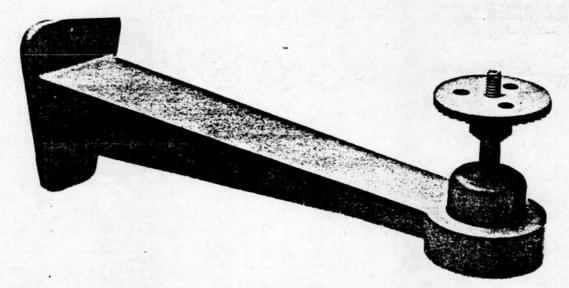
MODEL CM-14 LIGHT DUTY CAMERA MOUNT

- * DECORATOR STYLING
- * BALL/SWIVEL ADJUSTABLE HEAD
- * ACCOMMODATES LIGHT DUTY CAMERAS, ENCLOSURES SCANNERS, PAN/TILTS
- * LOW COST









Designed to tastefully blend with interior decors of offices, banks or similar installations, the **CM-14** has been structurally engineered for strength and rigidity. The **CM-14** will easily accommodate light duty cameras, enclosures, scanners, or mini pan/tilts.

Manufactured of aluminum and die-cast for low cost efficiency, the CM-14 is capable of supporting loads up to 20 lbs. when securely mounted.

An easily adjustable ball/swivel head allows for unlimited pan rotation and 90° tilt down angle. Adjustments are made with a 9/16" wrench which facilitates a tamper resistant installation.



PELCO SALES, INC. / THE LEADER IN ACCESSORIES FOR THE TELEVISION INDUSTRY

SPECIFICATIONS

MECHANICAL

PAN ADJUSTMENT: Unlimited 360° TILT ADJUSTMENT: + 90° - 45°

CONSTRUCTION: Die-cast aluminum

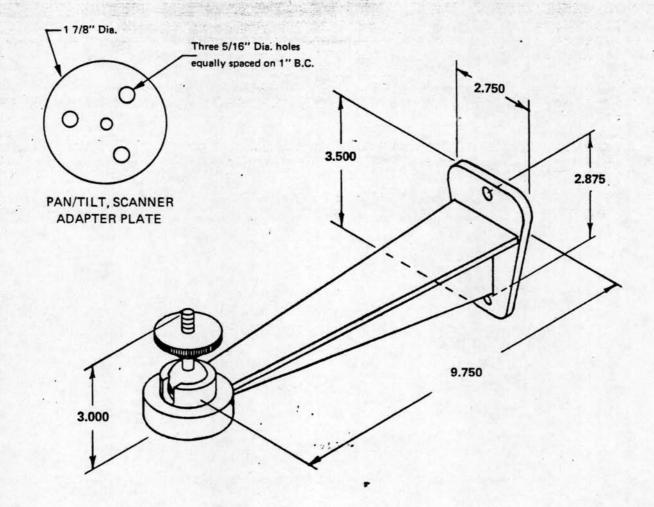
FINISH: Semi-gloss textured beige enamel

LOCKING METHOD: 9/16" square bolt, secures ball/swivel assembly

MONITOR MOUNTING: 1/4-20 thread with locking nut

SUGGESTED MOUNTING METHOD: Secure with 2 1/4-20 fasteners to a solid surface

MAXIMUM LOAD: 20 lbs. (9 kg) APPROX WEIGHT: 2 lbs. (1.23 kg)





CORPORATE OFFICES / 4790 W. Jacquelyn Ave. • Fresno, CA, USA • (209) 275-5561

ciosed circuit Video equipment

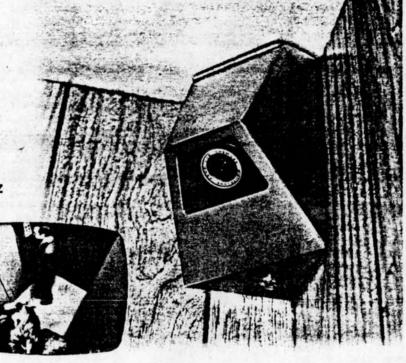
Corner Housing & Lens

Security Surveillance of Confined Areas

Includes Secure Corner Mount Housing and Wide Angle Lens

For Monitoring – Elevators, Stairwells, Vestibules, Entrance Lobbies, Mantraps, Jail Cells, etc.

Use with TC2021 Camera - 120 V, 60 Hz or with TC2022 Camera - 24 V, 60 Hz



L-909

See All Four Walls plus the Floor

Tamperproof

Easy Installation

It evens sees the corner under the camera, the hall through open elevator doors or a man in the far corner of a six foot elevator.

Stainless Steel Housing. Mastered Cam Lock All controls, mounting and electrical access holes are within the secure area. Tough, mar resistant, Lexan viewing window.

Just four mounting holes - on the secure surfaces. No wiring required - camera plugs into a nearby outside convenience outlet.
 BNC-video cable connectors. Meets Fire Codes that require unbroken fire walls.



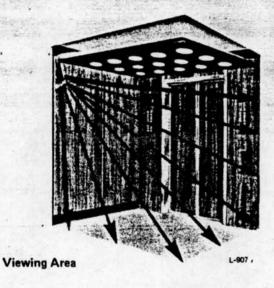
-comes wITH HOUSING.

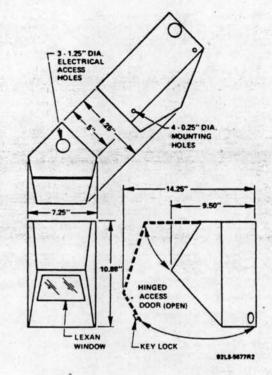
Lens 4.8 mm Wide Field of View, 1/1.8 with diaphram.

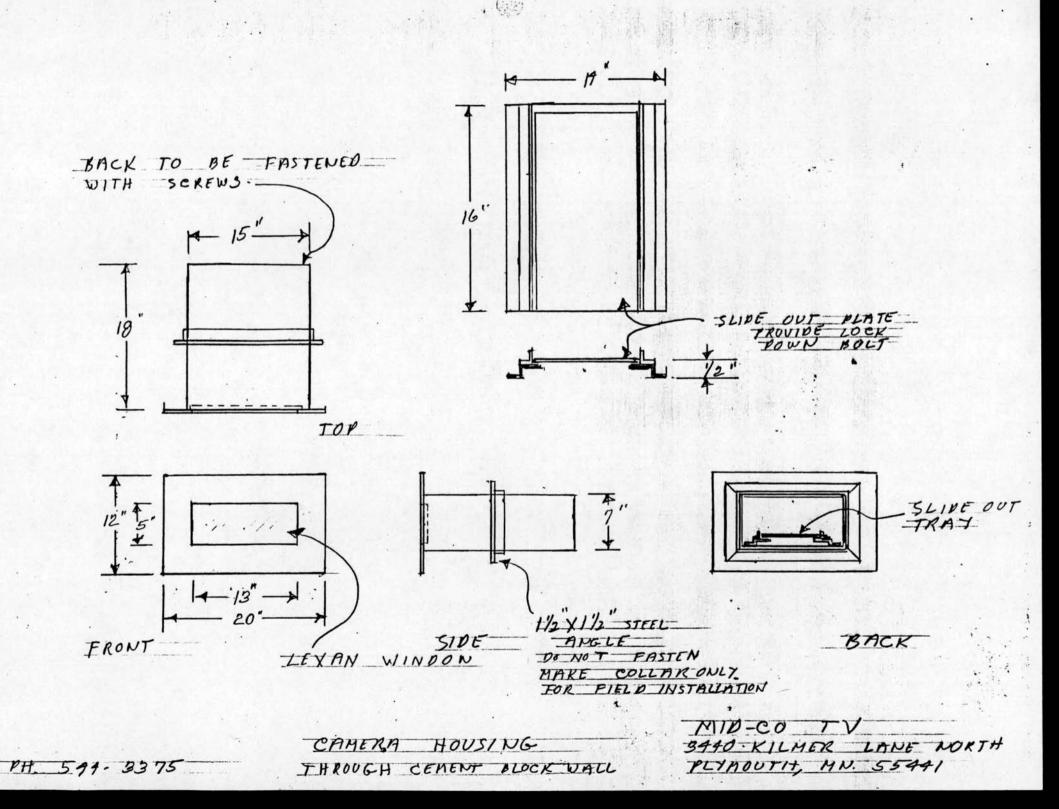
Housing:

Finish - Brushed stainless steel
Window - Mar resistant Lexan
Lock - Mastered Cam
Adjustments - ± 10° in vertical camera angle.

Weight 6.7 lb (3 kg). (Housing & Lens less camera)









Decorative Indoor Enclosures V8600H Series

DECORATOR STYLED STURDY AND ATTRACTIVE LIGHTWEIGHT OPTIONAL LOCK 14, 17 & 20 INCH LENGTHS



L-1042

V8600 Series Indoor Enclosures are available in three overall lengths to accommodate the needs of most camera/lens combinations. These highly stylized housings are designed for use in high visibility areas where appearance is a significant factor. Unobtrusive, yet visible as a part of the decor, these camera housings serve as a tasteful reminder of the presence of security in the area.



SPECIFICATIONS

Mechanical

Size (external):

Height; 4.75" (12.07cm). Width; 6.80" (17.27cm). Length; V8600H-14 · Length;

16.41" (41.68cm). V8600H-17 19.41" (49.30cm). V8600H-20

22.41 (56.92cm)

3.88" (9.86cm). 5.83" (14.81cm). V8600H-14 Height; Width; Size (internal):

Length; 14.00" (35.56cm). V8600H-17 17.00" (43.18cm). V8600H-20

20.00" (50.80cm). V8600H-14; 4.50 lbs (2.03kg). V8600H-17; 5.25 lbs (2.38kg). V8600H-20; 6.00 lbs (2.72kg). Weight:

Mounting: Camera; Three 0.281" (0.71cm) clear-

ance holes in fully adjustable comera

mounting plate.
Housing: Three 1/4" x 20 holes in bottom of housing.

0.125" (0.32cm) thick clear acrylic, 3.00" x 5.00" (7.62cm x12.70cm) Window:

opening.

Construction: Housing and Cover: Extruded

aluminum. End Caps; Injection molded plastic. Anodized aluminum body, charcoal

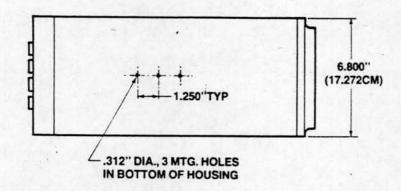
and black end caps and accent

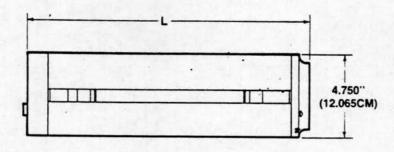
Electrical: Four cable-entry ports (rear cap).

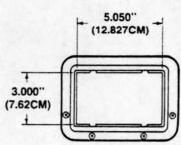
** Length dimension is with rear end cap in place.

*Patent Pending

Finish:







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CONDENSED CATALOG

LOUROE

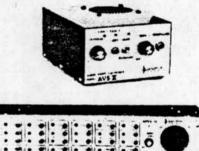
ELECTRONICS

SECURITY/SURVEILLANCE PRODUCTS

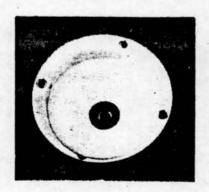


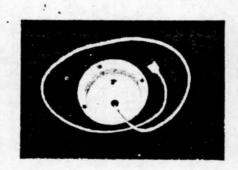






VERIFACT MICROPHONES (REMOTE STATION PICK-UP)

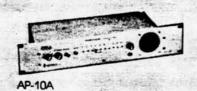






MULTI-FUNCTIONAL BASE STATIONS AP SERIES (Audio)





MODEL	SIZE	WT.	INPUTS	HEADPHONE JACK	MONITORING SPEAKER	MANUAL SWITCHER	AUDIO RECORDER CAPABILITY
AP-1	7"x5"x3"	2 lbs.	2	1	3″	1	-
AP-4	7"x5"x3"	2 lbs.	4	1	3″		-
AP-10A	10"x19"x31/2"	6 lbs.	10	1	3"	1	1

AP-1A, automatic variable time (5-60 sec.) monitoring of 2 remote stations with manual over-ride.

AP-1M, mixes sound input from two stations at the same time.

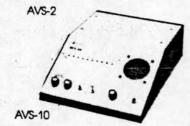
AP-4M, mixes sound input from four stations at the same time.

AP-4S, any one of four stations may be selected for monitoring at any one time.

AP-10A, includes automatic sequential station monitoring. Specify rack or console cabinet unit.

AVS SERIES





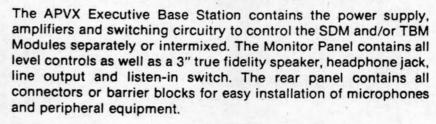
MODEL	SIZE	WT.	INPUTS	HEADPHONE JACK	MONITORING SPEAKER	MANUAL SWITCHER	AUDIO/MDEO MONITOR
AVS-2	7"x5"x3"	2 lbs.	2	1	3"	1	1
AVS-10B	10"x19"x3½"	8 lbs.	10	1	3"	1	1

AUDIO FOLLOW VIDEO SCANNERS

LED indicators for each remote station, variable speed sequential scanning of each audio/video remote station with manual over-ride switch. Video monitor/audio monitor section is capable of switching signals for recording either or both modes by output jack provided. Specify rack or cabinet unit.

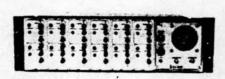
The MODEL AVS-10B series expands the proficiency of the AVS-10 by incorporating an additional circuit to bridge the audio and video unit of a zone that requires closer scrutiny, by manual control, to a second video monitor. A rack mounted unit.

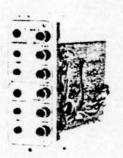
APVX EXECUTIVE BASE STATION



SDM (SOUND DISCRIMINATORY MODULE): Each module contains two separate zones. Each zone has separate threshold controls and auto/manual reset operation, color coded push button, variable time control, manual reset button and LED alarm zone annunciator. All SDM'S are shipped with broad response filtering or specified sound discriminating filters: low pass, band pass or high pass.

TBM (TALK-BACK MODULE): Each module contains two zones. Each zone has LED annunciation, a variable VOX threshold control, a color coded monitoring switch, talk-back push button and a reset button to deactivate the VOX switch. An operator microphone and stand are included when TBM modules are ordered. The TBM is used with a TL (TALK-LISTEN) microphone and/or a combination of the A, B, C VERIFACT microphone and separate speakers.





SDM - MODULE

AUDIOPRESENSE* THE ULTIMATE SECURITY SYSTEM

Louroe Electronics is the first and only manufacturer of *verifiable* audio security/surveillance equipment in the world, a proprietary system which can be transmitted to a central station. Twenty years of electronic engineering, R & D, and testing experience pioneered the development of the *LOUROE VERIFACT* audio system for the protection of life and assets. A system which renders all others obsolete.

Hand craftsmanship and integrated circuitry are an integral part of LOUROE'S quality and is accepted as the highest standard in audio electronic security.

AUDIOPRESENSE* VIRTUALLY ELIMINATES FALSE ALARMS
*The same as being there.

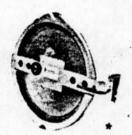
VERIFACT microphones OMNI or UNI directional SOUND ACCUMULATORS

The LOUROE "A" and "B" model microphones utilize highly sensitive omnidirectional pick-up integrants affected by very low sound pressures and can not be used as speakers*. When the sensitivity level is adjusted at the base station for ambient sound levels, all sound will be heard within 30'. Easy mounting in any position makes for ideal and indiscernible use in the security field. The model "B" is often used through suspended ceilings. The sound is sent to the LOUROE Base Station amplifier by a two conductor shielded cable from the built-in pre-amplifier in each microphone base.

The Model "C" is a highly sensitive uni-directional (shotgun-type) microphone to pick up sounds from a specific area with a minimum amount of sound interference from outside the zone of interest.

*See TL microphone/speaker below.

(• ;	,A	MODEL	BASE DIA	BASE HGT	BASE WHT
		Α	41/2	2"	4 oz.
	'B'	MODEL	BASE DIA	BASE HGT	BASE
		В	41/2	2"*	4 oz.
100		*Maxim allowa	num c	able 10 F	length eet
	,C,	MODEL	BASE DIA	BASE HGT	BASE WHT
12 13		C	41/2	2"	7.5 oz



TALK - LISTEN MICROPHONE/SPEAKERS

These unique microphones are intended for use with the TBM module of the APVX System. Each TL (Talk-Listen) VERIFACT microphone/speaker is a two element unit. A separate microphone and paging speaker is incorporated into one unit. The microphone element has full frequency response and is highly sensitive to low sound pressure. Normal sound levels are heard within thirty feet.



*TLI is an 8" water resistant speaker. DTLO employes a horn type speaker.



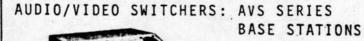
1. #BBA-1, base station

- 2. #A, microphone
- 3. #AD-1, AC adaptor

A ONE ZONE AUDIO SURVEILLANCE KIT

The LOUROE audio surveillance kit is the only known inexpensive complete component outfit which allows listening and audible recording and, as well, may be connected to a VCR to be used as a playback amplifier. The multifunctional base station contains a three (3) inch high fidelity speaker for constant listening of sounds picked up by the VERIFACT microphone. A sound level control on the BBA base station is included. The front mounted earphone jack can also be used as a convenience remote speaker jack. Power for the BBA-1 base station is supplied with a 12V AC adaptor #AD-1. The power for the VERIFACT microphone is obtained from the #BBA-1 base station. The microphone can be positioned up to 1000 feet from the BBA-1 base station.







The benefit to hear as well as to view the location under surveillance is apparent by the known convictions attributed to the efficiency of the LOURGE VERIFACT microphone.

The AVS series base stations allow the monitoring guard to view, on the video monitor, what the camera sees and hear all sounds as well. With the combined use of the VERIFACT microphones, in appropriate areas, all sounds will be heard through the high fidelity base station speaker and the unequaled sound quality can be recorded for later verification.

 LED indicators inform which remote station is under surveillance as the AVS series base stations automatically switch, at a variable and pre-determined interval. A manual overide switch provides continuous observation of any one location.

All AVS base stations supply the required voltage to each VERIFACT microphone and all are multi-functional as listed in the features below.

Model AVS-2 will process the audio and video of two locations. Model AVS-10 will monitor four to ten locations. All video monitors and/or all VTRs are compatible with the AVS series base stations. All inputs and outputs are provided. The AVS-10B has two paralled channels for bridging and switching the inputs for audio and video. The AVS-10L provides looping for both audio and video.

FEATURES

Output jack is standard RCA phono type to couple VTR or other recorders Headphone jack is standard ½" for headphones or external speakers Selector switch to choose manual or automatic switching Push button to freeze on selected location Variable timing control (5 to 45 second interval timing) BNC video input/output

LED indicates location under sequential surveillance or manual selection Microphone cable barrier block has screw terminals Adjustable sensitivity for sound level control Three (3) inch base station monitoring speaker Regulated power supply for all microphones

MODEL	SIZE	Wt.	INPUTS	HEADPHONE	MONITORING SPEAKER	MANUAL SWITCHER	AUDIO/VIDEO MONITOR CAP
AVS-2	7"x5"x3"	2 lbs.	2	1	3″	1	1
AVS-10	10"x19"x31/2"	8 lbs.	10	1	3"	1	1

SPECIFICATIONS

AUDIO SECTION

Input impedance 10K

Input level -10db to produce 2 watts Frequency responce 100HZ to 20 KHZ

Supply to microphones 12 VDC, regulated

Power output 2 watts RMS into 8 ohms

Base station speaker full range, 3"

Earphone output 8 to 600 ohms

VIDEO SECTION

Input impedance 75 ohms

Input level 1VPP

Output level 1VPP into 75 ohms

Output frequency response 10Hz to 4 MHZ

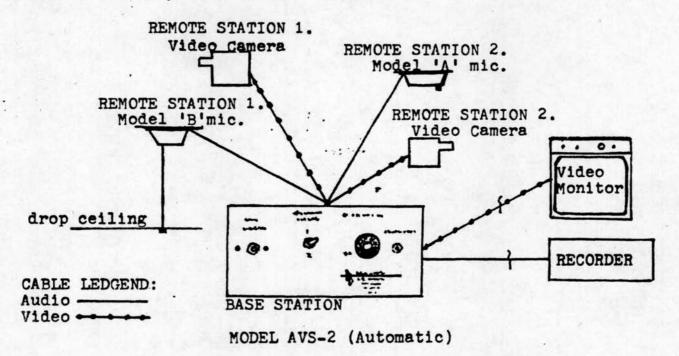
Power consumption 120V, 60HZ @ 6 watts

Frequency response flat within 10Hz to 4 MHz

Microphone input is accomplished with the use of a 3 pin din connector. Male mating plugs are furnished by LOUROE.

NOTE: For alarm reaction to preset incoming sound levels from each location, order #BG-1, a vox operated switch with relay closure to turn on lights or other functions, or alert the monitoring guard.

To add up to five additional *VERIFACT* microphones, in parallel, within one zone, order #MLA-1 extender.





VERIFACT MICROPHONES

MODELS

A- flush mounted

B- suspended or isolated type

c- uni-directional

Placed in a remote location from the base station, the VERIFACT microphones are ready to react to all sound level situations for security and surveillance without additional security sensing devices. The sound is pre-amplified (built-in) to transmit the audible sound by a two-conductor shielded cable to the LOUROE Base Stations without conspicuous loss of quality. This permits the monitoring guard to make immediate, competent responses. Maximum distance from remote VERIFACT microphone to the base station is 1000 feet. Beyond that, line amplifiers, Model # LA-1 are required. Power to the VERIFACT microphone is supplied and regulated by all LOUROE Base Stations.

Models A and B VERIFACT microphones are omni-directional. Both have flush mounted bases. The model B pick-up element can be extended up to 10 feet from its base and is often used with suspended ceilings.

The VERIFACT model C microphone is uni-directional (often called a 'shot-gun' mic). It has a directional swivel base and an accoustically designed columnar element. The Model C is useful for sound pick-up from a specific area within a location, e.g., delivery door, vault door, cash register, etc..

Models A and B VERIFACT microphones are highly sensitive to very low sound pressure; normal voice levels are heard within 30'.

Federal law requires that the public be given notice of the use of audio surveillance. This aids deterrency. A decal notice is included with each microphone shipped.

MODEL A



MODEL B



MODEL C



Installation SPECIFICATIONS

Base mounts to ceilings or walls with four screws Wiring requirement, two-conductor shielded cable to base station

SPECIFICATIONS

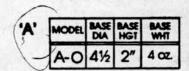
Sensitivity, 80db SPL input produces .254 volts RMS across 1K Ohm resistance

Frequency response, 40 Hz to 15Khz + 1db

Supply voltage, 12VDC

Current drain, 3MA

Dimensions



B' MODEL BASE BASE WHT B-O 41/2 2"° 4 oz.

> *Maximum cable length allowable — 10 Feet

*C' MODEL BASE BASE BASE WHIT

C-U 4½ 2" 7.5 02

Wand length 11" over-all

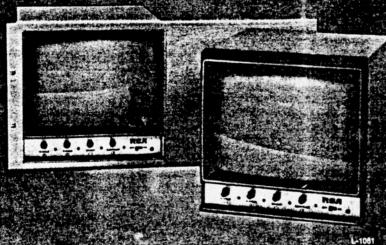
0 - Omni-directional
U - Uni-directional

TC1910H - High Performance Desk Top Monitor TC1910MK - Single/Twin Rack Mount Kit

esedeicielii eeo equipment

Viceo Monitor TC1910H

High Performance 9-Inch Monochrome Monitor 900 Line Resolution 13 kV High Voltage



Quality Pictures

Better than 900 line resolution

13 kV High Voltage for crisp pictures.

Fast acting Automatic Frequency Control for stable VCR playback. Regulated power supply.

Versatile

Suitable for fixed or mobile surveillance, industrial control sites, remote observation sites, VCR playback and many other applications. Operates from standard AC lines or from 12 VDC with optional plug-in adapter. Rack mounts with optional kit as a single on either side or as a twin. Racked units are individually operable and removable for flexibility and ease of maintenance.

Easy to Operate

Up-front, rotary operating controls and recessed screwdriver set-up controls for easy, in-rack adjustments.

Easy to Rack

Low profile - racked height only 8.75 inches. Quickly assembled, self-locking rack kit available. No monitor parts to remove or add. Singles mount on either side using moveable blank panel.

Reliable

All solid state circuits. Time-tested picture tube.



TC1910H Video Monitor and Single/Twin Rack Mount Specifications

Resolution Better than 900 lines.

High Voltage 13 kV.

Linearity 2% or better.

DC Restoration Front-Panel-Adjustable.

Synchronization Internally derived.

Picture Tube 9V, 9-inch (diagonal) 90° deflection. Aluminized. Integral implosion protection. 44-sq. inch viewing area.

Input 0.5 to 2.0 V p-p, sync-negative, composite video. High impedance/75 ohm termination switch on rear panel.

Connectors Two BNC for looped-through video.

Front-Panel Controls:

Brightness, Contrast, V-Hold, H-Hold - rotary.

On/Off - slide (LED power indicator).

DC Restoration, Equalization, V-Height, V-Linearity — screwdriver adjustable and recessed for security.

Supply Voltage - AC or DC:

DC - 12 to 16 V*.

120 V, 60 Hz - 105 to 130 V.

Power:

AC Supply Voltage - 30 watts at 120 V, 60 Hz.

DC Supply Voltage - 15 watts at 12 VDC.

AC Power Cord 3-wire with grounded plug. 6 ft.

Cabinet Material:

Monitor — Brown, vinyl coated metal case with black plastic front.

Rack Bezel - Sheet metal. Light metallic grey finish.

Dimensions:

Monitor - 8.69 in. W x 8.56 in. H x 9.80 in. D.

Rack - See drawing.

Weight:

Monitor - 12.4 lbs.

Rack - 5.0 lbs.

Temperature:

Operating - 0 to +55° C.

Storage - -20 to +65° C.

Humidity 10 to 80% relative, non-condensing.

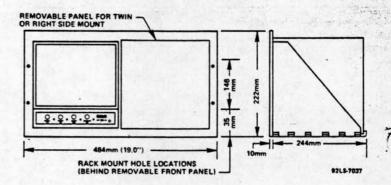
Altitude 10,000 ft. (300 m).

Shipping info:

Monitor -

Dimensions — 14.4 in. x 13.1 in. x 13.0 in.

Weight - 13.8 lbs.



Rack Mount

^{*} DC Power Cord (optional) TC1313.

Simplified Rapid-Set Model

Closed-Circuit video equipment Date and Time Generator



- Sharp, Stable Display
- Black Outlined White Characters
- All Controls Front Accessable

Reliable

Power-line accuracy. No cumulative errors.

Latest CMOS technology and conservative design assures trouble free operation.

Standby electronic "flywheel" during brief power failures - no loss of timing information.

Looped-through video unaffected by generator - even if off.

Adaptable

Zoom character size control - 5 to 15% of picture height.

Display positioned anywhere on screen - stacked or horizontal.

Manual brightness control plus . . . automatic adaption to changes in background brightness level.

Usable with random or positive interlace camera - color or monochrome.

Easy to Use

Recessed dual-action front panel switches set date and time.

Built-In calendar tracks days, months, and years (including leapyears) automatically.

No accidental turn off - powered with line cord insertion - no power switch.



Character Format Seven-bar matrix, white with black outline. Zoom size control, 2:1 aspect ratio, height 5 to 15% of picture height. 24 hour military clock.

Timing Accuracy Power-line accuracy. No cumulative error. (Optional crystal models are \pm 1 min/month.)

Standby Preserves timing up to ten minutes. (Internal battery model ,TC1440B/09, available to maintain timing during extended outages.)

Video Input Looping. Passive circuit provides flat response to 30 MHz with no deterioration of color or monochrome signals. Random or positive interlace. Composite video.

Power 120 VAC, 60 Hz, 4 VA max. (105-140 VAC).

Controls Three Dual-Action switches for rapid advance of functions. (Seconds position sets display to zero and halts timing functions.) Horizontal and vertical display position. Display size. Display brightness. Display format.

Weight 3-1/4 lb (1.5 kg).

Finish Non-reflecting beige and brown.

Options:

TC1440B/01 - Crystal controlled AC/DC model. Also has provisions for user-supplied battery to maintain timing during extended power outages.

TC1440B/02 - Decimal minute model for time/motion study.

TC1440B/03 - "Stop-watch" model reads to 0.1 seconds.

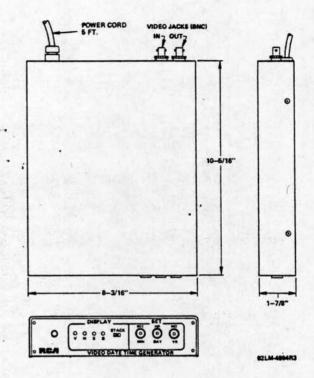
TC1440B/04 - Non-video model with raster generator and extra large display for master clock use.

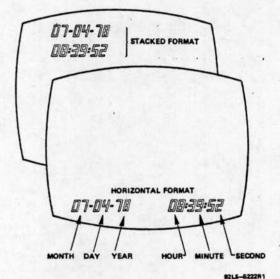
TC1440B/05 - Crystal controlled model for use where power line is "inaccurate.

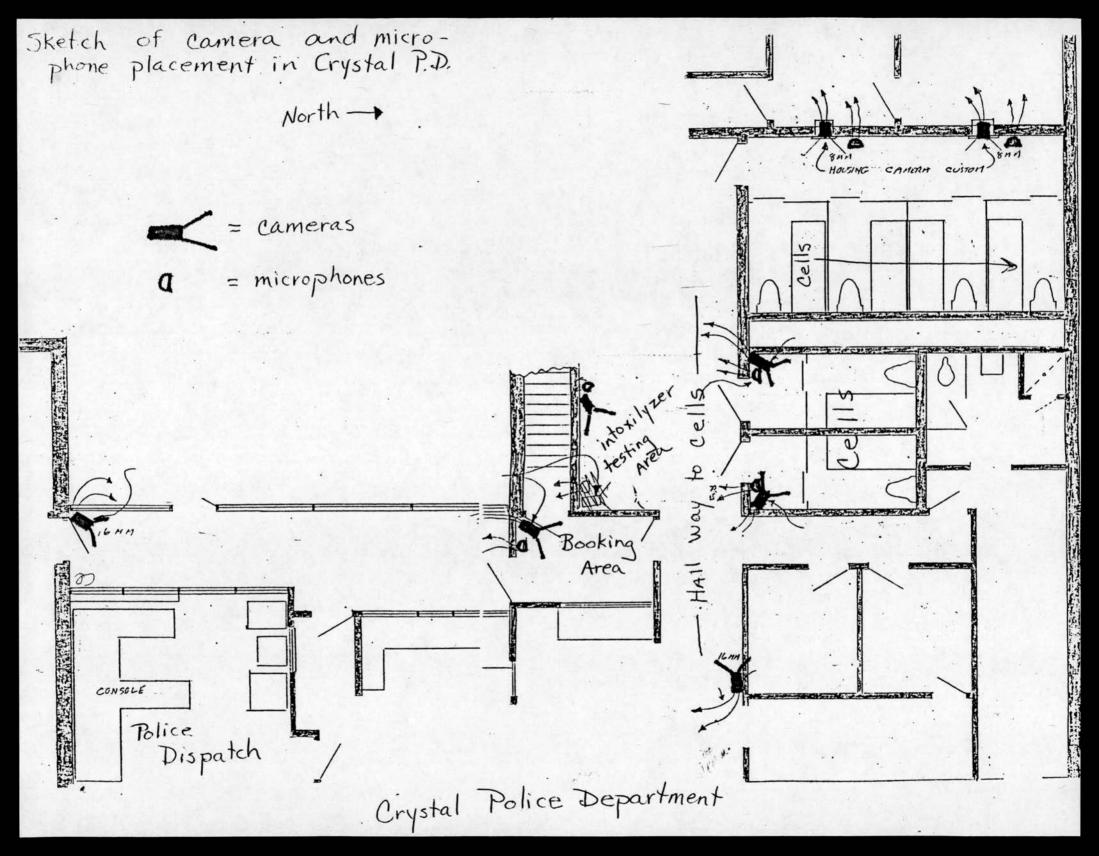
Models with BCD (Binary Coded Decimal) Output or Input available to meet special requirements.

All models available for 240 VAC - 50 Hz.

Mounting Furnished in cabinet. For rack mounting, order single unit hardware TC2117/01 or two-unit hardware TC2117/02.









May 2, 1985

Mr. Steven D. Sandwick Administrative Assistant CRYSTAL POLICE DEPARTMENT 4141 Douglas Drive No. Crystal, Minnesota 55422

Dear Steve:

I want to thank you again for the time you spent with me recently. VIDEOTRONIX (VTI) sincerely appreciates the opportunity to propose our audio/video recording system for the CRYSTAL POLICE DEPARTMENT.

VTI is a company that specializes in the design, marketing, installation and service of closed circuit television and/or time lapse video tape recording systems for security. VTI also handles systems in the areas of intercom, card access and alarm monitoring.

The reason for our success has been the commitment we have made to follow-up service on the equipment we sell. Because of the role played in today's security, it is important that the customers' systems be working when they need them.

For this reason, we have restricted the geographical area of our marketing to a 100-mile radius of the Twin Cities, and have designed our service program emphasizing scheduled preventative maintenance inspections.

CUSTOMERS

Currently, VTI services the video needs for most of the major financial institutions in Minneapolis and St. Paul. We have also designed and installed systems for industry, building management, law enforcement and retail markets. A partial customer list is enclosed.

WARRANTY

Our normal warranty period on all equipment and systems we sell is twelve months. The warranty includes all parts (vidicon tubes, recording heads, cathode ray tubes), travel and labor, and loaner equipment if a component cannot be repaired on site.

SYSTEM DESIGN

Based on our discussion, the following is the system we recommend:

May 2, 1985

Install eight (8) CCTV cameras throughout the facility. There would also be five (5) microphones installed in conjunction with some of these cameras. (See camera schedule).

The control equipment would consist of two (2) monitors, two (2) switchers, a time and date generator and a 1/2" VHS format video cassette recorder. Video and audio signals would be fed to these devices and will allow the system to operate as follows:

- All eight (8) video signals can be displayed on either monitor.
- It will be possible to video tape any one of the eight (8) and five (5) audio signals.
- Whenever a recording is made, the time and date will automatically be recorded as well.
- One monitor will be used for live surveillance only and is capable of automatically sequencing through any or all of the eight (8) video signals. The other monitor is used for viewing the area being recorded and playback, if so desired.
- Operation of the system is strictly manually controlled. It will be necessary for an individual to start and stop the recorder and to operate the switcher to determine which camera/microphone pair is being recorded.
- When not in the record mode your personnel will be able to monitor the video and audio by controlling the switcher tied to the isolation (recording) monitor.

REQUIRED EQUIPMENT

8	-	TC2000	<pre>2/3" vidicon tube cameras with the appropriate adjustable f/stop lens and mount *</pre>
1	_	V8660H	Ceiling mounted recessed housing
2	_	VM4509	High resolution 9" monitors with dual monitor rack kit
1	_	TC1440B	Time and date generator with rack kit
1	_	VCR	1/2" VHS home type video tape recorder
5	-	Model "A"	
1	-	AVS-10	10-Position audio/video base station with rack kit
1	-	KTS-10L	10-Position looping sequential video switcher with rack kit
Δ	-	Custom	Block mounted windows for the cameras to view the jail cells

Total cost of the above system comes to \$8,297.00 and includes installation and one full year's warranty.

INSTALLATION INCLUDES:

- running of all video and audio cable
- mounting of equipment
- final connect and test
- system training
- Notes: (1) Your electrical contractor must provide 110-volt power for this system at the central control point. The cameras and microphones utilize low voltage power and thus require no 110-volt outlets where they will be located.
 - (2) The above cost does not include any materials to cover the back side of the holes made in the block walls. As we discussed a shelf or some type of channel piece could be added at additional cost. The question is if you want to handle this part of the job yourself.
 - (3) Local taxes have not been included in any prices shown.
 - (4) The above price does not include any 1/2" video tapes.

Option: Should test shots show that 2 cameras in the jail cell area will not provide a satisfactory picture for your personnel, the following must be added to the system:

2 - TC2000 2/3" vidicon tube cameras with the appropriate lens

and mount

2 - Custom Windows for viewing cells

Additional Cost: \$1,200.00

Steve, hopefully this proposal provides you with the information you require. If not, please don't hesitate to give me a call.

Thanks again for your time.

Sincerely,

VIDEOTRONIX, INC.

Timothy A. Bolling Security Consultant

TAB:sl

Enclosure



Mr. Steven D. Sandwick Administrative Asst. CRYSTAL POLICE DEPARTMENT 4141 Douglas Drive No. Crystal, Minnesota 55422

Dear Steve:

Please consider this letter as an addendum to my proposal dated 5-2-85.

Per our conversation, the following changes should be made to the list of equipment that was shown:

Dispatch - Delete (1) KTS-10L Looping Video Switcher
(1) AVS-10 Audio/Video Switcher
Add (1) AVS-10B Audio/Video Bridging Switcher

Booking - Delete (1) V110AWM Adjustable Wall Mount
Add (1) VT-1 Custom Corner Housing

The above two changes will: (1) Allow your personnel to monitor the video and audio in one area while recording the video and audio from another; (2) See the entire booking room area.

The above changes will not affect the prices quoted in the original proposal. Our bid remains \$8,297.00.

Should you require any additional information, please give me a call.

Sincerely,

VIDEOTRONIX, INC.

Timothy A. Bolling Security Consultant

TAB:sl

CRYSTAL POLICE DEPARTMENT

Camera Schedule

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Wallish

Location	Equipment	Comments
Jail Cells	2 cameras, 1 microphone	2-Custom windows in block wall
Solitary Cells	2 cameras, 2 microphones	2-Custom windows in block wall
Intoxication Testing	1 camera, 1 microphone	
Cell Hallway	1 camera	
Booking	1 camera, 1 microphone	
Front Lobby	1 camera	Recessed ceiling housing
Control Center	2 monitors 2 switchers 1 Time/date generator	Rack Mount Rack Mount Rack Mount

VIDEOTRONIX CUSTOMER LIST (BANKING)

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AMERICAN NATIONAL BANK	Mary DeMarre	Security Manager
AMERICAN STATE BANK OF MANKATO	· · · · · · · · · · · · · · · · · · ·	Security Officer
BROOKLYN PARK BANK	Dean Nelson	Vice-President
BUFFALO NATIONAL BANK	Larry Peterson	Sr. Loan Officer
CAPITAL BANK	Leonard Misenor	Vice-President
CHEDOVEE CTATE DANK	LeRoy Petrasek	Asst. Vice-President
CHETEK STATE BANK	Larry VanDeusen	President
CITIZENS STATE BANK	Charles Greentree	Exec. Vice-President
COMMUNITY STATE BANK	James Hinrichs	Vice-President
F & M MARQUETTE NATIONAL BANK	Madelaine Silins	Administrative Services
FARM CREDIT SERVICES-ST. PAUL	1000 miles 1	Sec/Safety Supervisor
FIRST BANK - GRAND	Bea Day	Safekeeping
FIRST BANK - HOPKINS	Lon Goldberg	Asst. Vice-President
FIRST BANK - LAKE	Marcia Friesen	Security Officer
FIRST BANK - LITTLE FALLS	Bill Johnson	Asst. V.P./Cashier
FIRST BANK - MANKATO	Donna Alexander	Asst. Operations Officer
FIRST BANK - MINNEAPOLIS	Carol Anderson	Asst. Vice-President
FIRST BANK - PLYMOUTH	Lynn Peterson	Operations Officer
FIRST BANK - ROBBINSDALE	Doris Schuster	Vice-President
FIRST BANK - SOUTHDALE	Wendell Lotthammer .	Vice-Pres. & Controller
FIRST BANK - ST. PAUL	Marv Raway	Security Oper. Officer
FIRST BANK - WHITE BEAR LAKE	Richard Wicklund	The state of the s
FIRST BANK SYSTEM SERVICES, INC	Don Bertsch	Vice-President
FIRST BANK SYSTEM, INC. % FIRST BANK - ST. PAUL	Mary Raway	Security Oper. Officer
FIRST BURNSVILLE STATE BANK	Mike Winslow	
FIRST FEDERAL SAVINGS & LOAN (EAUCLAIRE).		A STATE OF THE PARTY OF THE PAR
FIRST FEDERAL SAVINGS & LOAN (MPLS.)	Al Lavanger	TO LOUIS TO THE PROPERTY OF THE PARTY OF THE
FIRST NATIONAL BANK-PLAINVIEW	Van Harrington	A STATE OF THE PARTY OF THE PAR
FIRST NATIONAL BANK-PRIOR LAKE	Don Amundson	with Military Land Total Vistor And Committee
FIRST NATIONAL BANK-STILLWATER	Dennis Yon	TO ANNUAL OF HERMAN AND ADDRESS OF THE STATE
FIRST STATE BANK-APPLE VALLEY	Bruce R. Wagner	or selection region and appropriate to a selection
FIRST STATE BANK-NEW BRIGHTON	Gary Peck	And the second s
FOREST LAKE STATE BANK	F.W. Schlaeger	
GOLDEN VALLEY BANK	Judy Wald	1 17 18 18 18 18 18 18 18 18 18 18 18 18 18
MIDWAY DATA CENTER	Bob Krammer	CONTRACTOR OF THE PROPERTY OF
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VIDEOTRONIX CUSTOMER LIST (BANKING) Page 2

MIDWAY NATIONAL BANK	Mary Jo Hays	Operations Manager
MIDWEST FEDERAL S. & L. (Knollwood Off.) .	Beatrice Dahl	Asst. Manager
MINNESOTA BANK OF EAGAN	Jo Ann Class	Vice-Pres. & Cashier
MINNESOTA BANK-COTTAGE GROVE	Ann Jorgenson	Asst. Vice-Pres./Cashier
MINNETONKA STATE BANK	Roy Roeser	Vice-President/Manager
NATIONAL BANK OF COMMERCE	Michael Boike	Asst. Vice-Pres./Cashier
NATIONAL CITY BANK OF MINNEAPOLIS		
NORTH STAR BANK OF CRYSTAL	James Cook	Sr. Vice-President
NORTH STAR STATE BANK	Wayne Thompson	Asst: Vice-President
NORWEST BANK-BLOOMINGTON	Vickey Palm	Admin. Services Officer
NORWEST BANK-CALHOUN ISLES		
NORWEST BANK-CAMDEN	Paula Wagner	Assistant Cashier
NORWEST BANK-HASTINGS	Richard Green	Vice-President
NORWEST BANK-JORDAN	Gloria Krueger	Cashier
NORWEST BANK-MANKATO	Eugene Brandt	Sr. Vice-President
NORWEST BANK-MAPLE GROVE	Janet Ardolf	1 To the second of the second
NORWEST BANK-METRO SOUTH	Don Hansen	Sr. V.P. & Cashier
NORWEST BANK-METRO WEST	Del Smith	Asst. V.P. & Manager
NORWEST BANK-MINNEAPOLIS	Marlyn Whirley	Security Department
	Diane Suess	
NORWEST BANK-OWATONNA	Thomas Russell	Vice-President
NORWEST BANK-ST. CLOUD		Vice-President/Operations
NORWEST BANK-ST. PAUL	Jim Sorenson	Security Supervisor
NORWEST BANK-STILLWATER	Lorraine Weber	Security Officer
DAK PARK HEIGHTS STATE BANK	Jean Tennant	Cashier
PARK NATIONAL BANK OF ST. LOUIS PARK	Inez Johnson	Sr. Vice-Pres. & Cashier
RICHFIELD BANK & TRUST CO. (BURNSVILLE)	Frank Hlavka	Vice-President
RICHFIELD BANK & TRUST CO. (W. BLOOM.)	Monroe Stenerson	Vice-President
RICHFIELD BANK & TRUST CO. (MAIN OFFICE) .	Barbara Zvorak	Cashier
RIVERSIDE COMMUNITY STATE BANK	Michael Zenk	Asst. Vice-President
ROSEMOUNT NATIONAL BANK	David Gross	President
SECURITY STATE BANK-KENYON	Larry Lehman	Vice-President
SECURITY STATE BANK-MANKATO		
SIGNAL HILLS STATE BANK	Mike Riley	Vice-Pres. & Cashier
STATE BANK OF MAPLE PLAIN	C. Paul Lindholm	President

VIDEOTRONIX CUSTOMER LIST (BANKING) Page 3

SUBURBAN NATIONAL BANK	David Geis	. President
SUMMIT NATIONAL BANK-ST. PAUL	Barbara Morrow	. Vice-President
SUMMIT STATE BANK OF MINNEAPOLIS	. Nancy Heimer	. Bank Manager
SUMMIT STATE BANK OF RICHFIELD	. Mazie Kruse	. Asst. Branch Manager
TWIN CITY FEDERAL SAVINGS & LOAN (MPLS.)		. Asst. Vice-President
TWIN CITY FEDERAL SAVINGS & LOAN (MANKATO) Don Ure	. Vice-President
UNITED FINANCIAL SAVINGS	. Roxanne Meier	Assistant Secretary
WAYZATA BANK & TRUST COMPANY	. Mark Luukkonen	. Vice-President & Cashier
WESTERN STATE BANK OF ST. PAUL	。我是我们是全身发现着自然的"不同",是一定是否可以的问题是他们,也可以"几个一年"。	Operations Officer

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VIDEOTRONIX CUSTOMER LIST (NON-BANKING)

CUSTOMER	CONTACT	TITLE
ADAMS DRUG	. Philip Qualey	What were the party
ADAMS DRUG	. Michael J. Sullivan	President
AMERICAN SECURITY CORPORATION	Jim Smith	· 10. 我的问题说: 10.17 元元 2 美, 2011 2016年 100 10 20 20 20 20 20 20 20 20 20 20 20 20 20
AMOCO OIL STATION	Bob Schlangen	Owner.
RECT - LARFILES	Brent Courtney	Loss Prevention Mgr.
CHECK TECHNOLOGY	Dennis Delehanty	
CITY OF EDEN PRAIRIE - POLICE DEPT	TO BE SEED OF THE SECOND SECON	是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
CONTROL DATA CORPORATION	, Dave Wallace	Manager-Security
CUB FOODS	. Ted Zwieg	Security Supervisor
DAKOTA COUNTY JAIL	Sgt. Dick Roberts	Security
DATA CARD CORPORATION	. Steve Ludwigson	Example of the
DAYTON RADISSON RAMP	. Bill DeMuth	Executive Manager
DAYTONS DEPARTMENT STORE	. Tom Rebb	Mgr. Loss Prevention
FARM CREDIT SERVICES-ST. PAUL	是是二十二世纪中国的中国,在1967年中,1967年中,1967年中,1967年中,1967年中,1967年中,1967年中,1967年中,1967年中,1967年中,1967年中,1967年中,1967年中,1967年	Sec/Safety Supervisor
FINGERHUT CORPORATION	. Dave Gates	Safety/Sec Manager
GATEWAY FOODS	. Larry Dietrich	
GATEWAY MUNICIPAL RAMP AND SKYWAY		Manager
GEO. A. HORMEL & COMPANY	dispetts opening a service	
PRODUCE AND A CONTRACT OF A CO	Steve Sontag	the state of the s
GRACO, INC.	Doug Haferman	Mark Black Committee Commi
H. R. SWANSON & ASSOCIATES	. Tom Collins	when the same that the same and same
HARDEES RESTAURANT	. Earl Balzer	Owner
HAUGLANDS FOR THE YOUNG, INC HENNEPIN COUNTY GOVERNMENT CENTER	. Doug Haugland	Owner
HENNEPIN COUNTY GOVERNMENT CENTER	Gene Roback	Maintenance Supvr.
HOPKINS POLICE DEPARTMENT	. Earl Johnson	Chief
IBM - ROCHESTER	. Bill Buechler	racilities Engineer
IMAGE ENGINEERING	. Joe Freidman	Desports Manager
INVER GROVE HEIGHTS POLICE DEPT	Chief Harris	Police Chief
KOCH REFINING COMPANY	lim Jacobson	Torminal Superintendent
LAVEUTELL MEMODIAL MOCDITAL	The state of the s	Acet Administration
LAKEVILLE POLICE DEPT.	Grea Gross	Asst Chief of Police
LAMAUR, INC.	Ron Kubinski	Plant Engineer
LASALLE COURT RAMP	. Bill DeMuth	Executive Manager
LASALLE COURT RAMP	Dick Bistodeau	Asst. Chief Eng/Oper.
M.E.P.C AMERICAN PROPERTIES	. Mike Grenander	
M.E.P.C AMERICAN PROPERTIES METROPOLITAN DONUT CORPORATION	. David Lewis	Owner
MID-CONTINENT AREA POWER POOL (MAPP)	. James Seufert	Office Manager
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VIDEOTRONIX CUSTOMER LIST (NON-BANKING) Page 2

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MIDWAY DATA CENTER	Bob Krammer	Asst. Vice-President
MIDWEST FEDERAL PARKING RAMP		Ramp Manager
MINNEAPOLIS ENERGY CENTER, INC	Vern Erickson	Ramp Manager
MINNEAPOLIS FED. EMPLOYEES CREDIT UNION .	Phil Bachman	Vice-President
MINNEAPOLIS GRAIN EXCHANGE	Al Gloe	Building Manager
MINNEAPOLIS HILTON INN		
	Fred Last	Building Services Eng.
N.S.P. COMPANY	Ed Stewart	Corporate Security
NATIONAL SCHOOL STUDIOS	Jerry West	or the way was a facility
NATIONAL TELEPROMPTER		
NORTHERN TELECOM		
	Tom Nelson	Mgr. Sec. & Safety
OPUS CORPORATION	Rick Whiteaker	Project Engineer
OUI MAN'S TGA	Gene Oulman	Owner
OUR LADY OF GOOD COUNSEL	Sister Aquinas	
OXFORD DEVELOPMENT - CITY CENTER	Christopher Cummins	Security Manager
OXFORD DEVELOPMENT - TOWN SQUARE	Roger Danielski	Security Chief
POWERS DEPARTMENT STORE	Barb Andrews	Security
POWERS DEPARTMENT STORE RED OWL RENEAGLE COMPANY	Dennis Yoraway	Director of Security
RENEAGLE COMPANY	Darin Nelson	To the second se
REPUBLIC AIRLINES	John Beardsley	Director of Security
SCI MED LIFE SYSTEMS, INC	Craig Dvorak	V.P. Finance
SEVEN CORNERS PARKING RAMP	Scott Wellan	Manager
ST. LOUIS PARK POLICE DEPT		
ST. JOSEPH'S HOSPITAL	Bill Paulsen	Building Engineer
ST. MARY'S HOSPITAL-ROCHESTER ST. PAUL COMPANIES ST. PAUL PIONEER DISPATCH	Alan Knutson	Safety & Security
ST. PAUL COMPANIES	Bob Purcell	Corp. Sec. Manager
ST. PAUL PIONEER DISPATCH	Lloyd Barnes	Asst. Production Mgr.
ST. PAUL RAMSEY MEDICAL CENTER	Jan Poor	Clinical Coordinator
THE VAULT, INC.	Tom Tyler	President
THUNDERBIRD MOTEL	Sue Lang	Front Office Manager
TITAN PROTECTION	Brad Johannsen	
UNIVERSITY OF MINNESOTA	Bobbie Johnson	
WASECA AREA MEMORIAL HOSPITAL		
WASHINGTON SQUARE CAPITAL, INC	Jerry Horn	Building Engineer
WAYNE'S STAR MARKET	Wayne King	Owner .
WESTERN LIFE INSURANCE CO	Bert McEarthron	Bldg. Management Off.
YORKTOWN INVESTMENTS (AMHOIST TOWER)	Brian Burg	Bldg. Superintendent
The state of the s	AND THE RESIDENCE OF THE PARTY	A Property of the Control of the Con

Special Options!

Phase Adjustable Line Lock
Camera Ident
RF Output

Economical

General Purpose 2/3" CCTV Camera with Premium Camera Features and High Reliability LSI Technology

For Extra High Performance Versions see the RCA TC2500 Series Data

Designed using the latest, high reliability LSI technology, RCA TC2000 Series cameras include the more useful features of premium cameras in an economical, compact and attractive design for general purpose use. They are offered in a wide variety of configurations to suit the needs of most installations.

closed-circuit video equipment
Cameras
TC2000 Series



Large Scale Integration (LSI) technology incorporates the majority of circuit functions on only two integrated circuits containing the equivalent of over 1000 transistors. Greatly reduced parts count enhances reliability. A single fiberglass epoxy printed circuit board with double sided ground plane structure and plated-through holes, a sturdy cast aluminum inner main frame, a tough Lexan case with molded-in color and built-in shielding contribute to the dependable performance of these TC2000 Series cameras.

EIA RS-170 or CCIR Sync

2 to 1 interlace. Utmost flexibility and freedom from sync problems in multi camera/multi equipment systems.

Phase Locked Loop

Synchronizes camera to AC power line zero crossing. Provides clean switching, splitting and time lapse VCR performance.

Genlock

Accepts external composite sync or H&V drives for system synchronization. 60 Hz models lock to RS-170, RS-330 or Random Interlace sync. 50 Hz models lock to CCIR sync.

Light Range

Includes selectable 10:1 variable AGC gain/bandwidth amplifier for increased sensitivity and better signal-to-noise performance at lowest camera light levels. Internally adjustable for peak/average response weighting.

Vidicon Cameras: 400,000:1 max. Target voltage limiting minimizes tube lag and burn.

Ultricon/Newvicon Cameras: Over 2.5 million to 1. Automatic Lens Override (ALO) circuit provides camera-controlled auto lens response independent of lens set-up – eliminates AGC/Auto Lens interaction and provides smooth, step-free response throughout the light range.

Output Level Control

Back panel control permits adjustment of composite video output level with no change in the optimized operating conditions of the camera tube. Allows matching of signal-levels in multi camera systems.

Auto Track Electronic Focus

Automatically tracks electrode voltage of the magnetic focus camera tube - provides high picture quality with no need for readjustment during the life of the camera tube.

Other Features

Automatic Beam Control (ABC), Auto-Black plus Keyed Clamp, Gamma Correction, Vidicon Positioning Adjustment and Lock, Top or Bottom, Mounting, Wide Environmental Range, UL Listed, CSA Approved, NEMKO Approved.

Closed-Circuit
Video Equipment

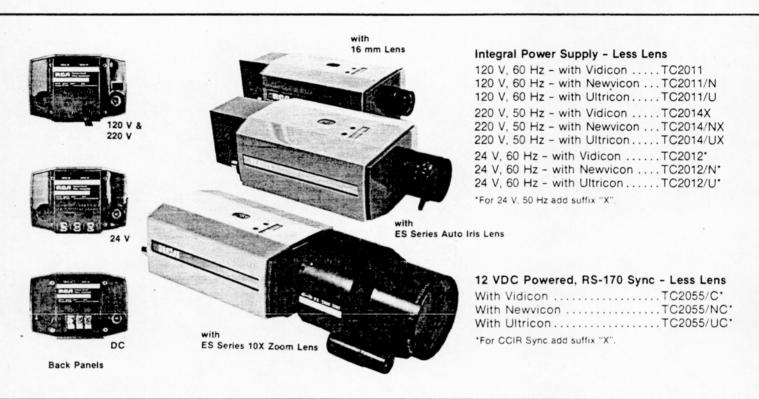
TC2000 Series CCTV Cameras

Wide Choice Of Models

The TC2000 Series of Cameras has been designed to accommodate a variety of configurations, options and add-ons. These include:

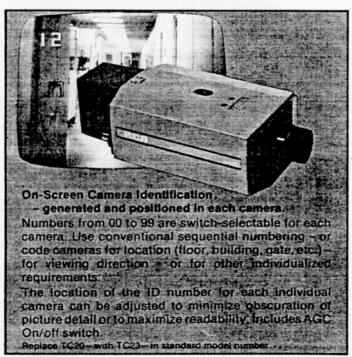
Three Types of Camera Tubes

Vidicon - for economical general use. Newvicon - for lower light levels. Ultricon - for difficult lighting situations.



Special Options - Factory Installed

Video Camera Ident - TC2300 Series



RF Output - TC2100 Series



Four Supply Voltages

12 VDC - and less than 7.5 watts. 24 V, 50 or 60 Hz - for installation economy. 120 V, 60 Hz - for general convenience. 220 V, 50 Hz - for 220/240 V, 50 Hz sources.

Three AC Power Supply Configurations

Integral – for general usage.

Separate – for smallest size and weight.

Line-Locked VidiPlex – power up the video cable.

Separate Power Supply - Less Lens

120 V, 60 Hz - with Vidicon TC2021
120 V, 60 Hz - with Newvicon TC2021/N
120 V, 60 Hz - with Ultricon TC2021/U
220 V, 50 Hz - with Vidicon TC2024X
220 V, 50 Hz - with Newvicon TC2024/NX
220 V, 50 Hz - with Ultricon TC2024/UX
24 V, 60 Hz - with Vidicon TC2022*
24 V, 60 Hz - with Newvicon TC2022/N*
24 V, 60 Hz - with Ultricon TC2022/U*
*For 24 V, 50 Hz add suffix "X".

Line-Locked VidiPlex - Less Lens

120 V, 60 Hz - with	VidiconTC2031
120 V, 60 Hz - with	Newvicon TC2031/N
	Ultricon TC2031/U
220 V, 50 Hz - with	VidiconTC2034X
220 V, 50 Hz - with	Newvicon TC2034/NX
	Ultricon TC2034/UX

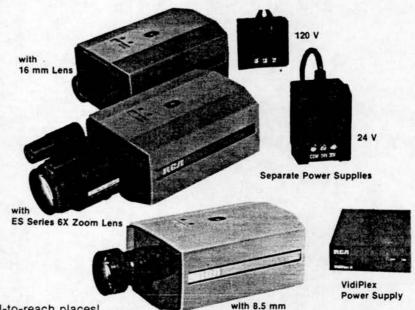
Power up the video cable - no costly utility wiring!

Easy installation - small camera size - ideal for hard-to-reach places!

Line-Locked operation - solid vertical interval switching - optimum VCR operation.

Separate power supply included - modular 1/3-rack design allows neat racking.

Camera and supply can be separated up to 1500 ft (450 m) with RG59/U cable - up to 3000 ft. (900 m) with RG11/U.



Wide Angle Lens

Lenses

Vidicon Equipped Cam	eras		Ultricon/Newvicon Equ	The state of the s	
Fixed Lenses without Iris	Mounted Length	Weight	Fixed Lenses with Auto Iris	Mounted	Weight
8 mm Wide Angle, 1/1.6	2.1" (54 mm)	140 gm (0.31 lb)	5.7 mm, 1/1.4	68 mm (2.7")	300 gm (0.7 lb)
16 mm Standard, 1/1.6	1.1" (28 mm)	70 gm (0.15 lb)	8.0 mm, f/1.4	51 mm (2.0")	185 gm (0.4 lb)
Add suffix /8 or /16 to model number		12.5 mm, f/1.4	48 mm (1.9")	185 gm (0.4 lb)	
			16 mm, f/1.4	47 mm (1.9")	185 gm (0.4 lh)
			25 mm, f/1.4	51 mm (2.1")	350 gm (0.9 lb)
	1000		50 mm, f/1.8	51 mm (2.1")	370 gm (0.9 lb)
		to the form therein	75 mm, f/1.8	70 mm (2.8")	400 gm (0.9 lb)
			insert 5, 8, 12, 16, 24, 49, or 74 in model number following U or N.		
	Can with the		Zoom Lenses with Auto Iri	The same of the sa	the thirty
	END THE S		(Cross-Section exceeds can	nera — see Spec	ifications)
CHILD WALLEY DO			(Use V 100ZF controller for	AND MANAGEMENT OF THE PARTY OF	的。 10.00000000000000000000000000000000000
ARE CALL NO.	e de la companya della companya de la companya della companya dell		12.5-75 mm (6x), f/1.8	CONTRACTOR OF THE PARTY OF THE	Control of the Contro
			11-110 mm (10x), 1/2.0	20年2月1日 大阪日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本	CHARLAN ASSETTING HOUSE AND THE OWNER OF
ANTH ANT ALTERNATION	en la opinio de la	** ** ** *** ****	15-180 mm (12x), 1/1.9	企业外间等 。	THE REPORT OF THE PROPERTY.
			Insert Z6, Z0, or Z2 in model n	umber following U	or N.

Camera Tube 2/3" (18 mm). Separate mesh, magnetic focus and deflection.

Camera Tube 'RCA Tube Type Sensitivity (2856 K)		Vidicon 8844 Usable Picture	Full Video	Newvice 4905 Usable Picture	Full Video	Ultricon 4833U Usable Picture	Full Video
Scene illumination*	fc lx	0.25 2.69	1.00 10.76	0.03	0.12 1.29	0.02	0.08
Scene brightness*	fL nt	0.190 0.651	0.75 2.57	0.022 0.075	0.09	0.015 0.051	0.06 0.21
Faceplate illum.	fc lx	0.019	0.075 0.807	0.0022	0.009	0.0015 0.0161	0.006

^{*} f/1.4 lens. 75% highlight reflectance

Resolution beyond 600 lines with Vidicon.

Amplitude Response greater than 50% at 250 lines with Vidicon.

Light Range Includes 10:1 AGC variable gain/bandwidth amplifier. Internally adjustable for peak/average response weighting.

Vidicon Cameras 400,000:1 max. (200,000:1 typical). Target voltage limiting reduces dark current.

Ultricon/Newvicon Cameras 2.6x106:1 - with f/1.4 to 360 autoiris lens. Depends on lens.

Automatic Lens Override (ALO) Ultricon and Newvicon Cameras . . . Provides camera-controlled auto-lens response independent of auto-lens setup. Eliminates AGC/Auto-Lens interaction and gives smooth, step-free response throughout light range. Compatible with all ES Series auto-iris lenses.

Auto Track Electronic Focus (ATEF) Focus coil current tracked to electrode voltage to maintain sharp electrical focus throughout life of tube.

Signal to Noise FET low noise preamplifier. Better than 44 dB.

Automatic Beam Control (ABC) Automatic circuitry eliminates need for periodic readjustment of beam throughout life of camera

Bandwidth 8 MHz. Automatically reduced at low light levels to optimize signal-to-noise.

Grey Scale At least 10 steps.

Gamma Correction Factory set to preferred response for type of camera tube used. Internally changeable from 0.5 through 1.0.

Composite Video Output 1.0 to 1.4 V p-p. Adjustable attenuatortype control on back panel. 75 ohm.

White Clipper Automatic. Keeps highlights within preset level to avoid monitor or VTR overdrive.

Auto Black plus keyed clamp maintains constant pedestal setup throughout entire light range.

Sync EIA RS-170 or CCIR.

Phase-Locked Loop synchronizes cameras to power line zero crossing. Crystal control option available. (DC Models - Crystal

Genlock Accepts composite sync or H&V drives at negative 4 V p-p (3 to 6 V p-p). RS-170, RS-330 or Random Interlace on 60 Hz models. CCIR on 50 Hz models.

Geometric Distortion 1.5% maximum of picture height within a center circle with diameter equal to picture height. 2% overall.

Sweep-Loss Protection Camera tube shutdown if horizontal sweep is lost.

External Controls COMPOSITE VIDEO LEVEL; TUBE POSI-TION, TUBE LOCK.

Supply Voltage/Power:

12 VDC Models 10.5 to 16 VDC. 7.2 watts nominal at 12 V.

24 VAC Models 20 to 28 V or 26 to 34 V, 60 Hz. (Range switch) 15 watts nominal (at 24 or 30 V).

120 VAC Models 100 to 140 V, 60 Hz. 15 watts nominal at 120 V. 220 VAC Models 198 to 264 V, 50 Hz. 15 watts nominal at 220 V.

 VidiPlex models - add approx. 5 watts when using 100 ft. (30 m) of Beldon 9259 RG59/U or equivalent.

Camera/Power Supply Separation:

Separate Power Supply (TC2021, 22 and 24) Models - up to 100 ft. using AWG-18, Type SV, 3-conductor cable (12ft. cable supplied). VidiPlex (TC2031 and 34) Models:

- up to 400 ft. (RG59/U, Belden 8221 or equiv.)
- up to 1500 ft. (RG59/U, Belden 9259 or equiv.)
- up to 3000 ft. (RG11/U, Belden 8238 or equiv.).

Lens Mount Standard "C".

Camera Mounts Two 1/4"-20 holes in base. One in top.

Connectors: Genlock/Auto Iris - 8 pin DIN. Video - BNC.

Printed Circuit Board Fiberglass epoxy with double-sided ground plane structure. Plated through holes.

Finish Light and dark beige. Lexan case.

Weight:

Camera only 2.0 lbs. (0.9 kg)

Camera/Integral Power Supply 3.3 lbs. (1.5 kg)

Remote Power Supply only 1.3 lbs. (0.6 kg)

VidiPlex Power Supply only 3.0 lbs. (1.36 kg)

Camera (12 V & Remote PS Models) 3.05" H x 4.5" W x 7.1" L (75 x 114 x 180 mm).

Camera/Integral Supply 3.05" H x 4.5" W x 9.25" L (75 x 114 x 235 mm).

Remote 24 V Power Supply 3.35" H x 2.61" W x 2.65" L (85 x 66 x 68 mm).

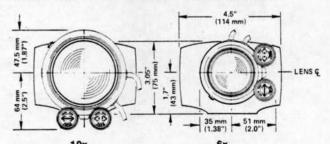
Remote 120 or 220 V Supply 3.1" H x 2.53" W x 2.65" L (79 x 65 x 68 mm).

VidiPlex Supply 1.75" H x 5.70" W x 8.70" L (45 x 145 x 221 mm).

12x Zoom Lens, Sup't Rail & Camera (w/o Power Supply). 6.35" H x 5.70" W x 19.7" L (162 x 145 x 500 mm).

12x Zoom Lens, Sup't Rail & Camera/Int. Power Supply 6.35 " H x 5.70" W x 21.85" L (162 x 145 x 555 mm).

10x and 6 x Zoom Lens/Camera Cross Sections



Lenses may be oriented in any position with respect to camera.

Environment:

Temperature: 0 to 140° F (-18 to 60° C). Humidity: 0 to 95% relative humidity.

Vibration: 3g swept sine wave, 15 to 2000 Hz.

Shock: 50g.

VIDEOTRONIX INC.

1200 East 115th St. Burnsville, MN 55337 612-894-5343

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^{1.0} lux (lx) = 0.0929 footcandle (fc)

^{1.0} nit (nt) = 0.2919 foot Lambert (fL)



PRODUCT SPECIFICATION

MODEL: V8660H

PRODUCT CODE:

DESCRIPTION: CEILING

ENCLOSURE

The compact Vicon Model V8660H Ceiling Enclosure provides an inconspicuous and versatile ceiling housing for CCTV cameras.

The V8660H can be mounted in any type of ceiling, and an optional mounting package is available for dropped ceiling installation. The housing is a completely closed unit featuring a locking-hinged bottom section for tamperproof security and protection from dust.

The sturdy injection molded plastic housing is constructed so that the camera can be easily adjusted and the lens focused from below the ceiling. Electrical connections are made through openings in the top, and a duplex outlet is provided for camera power.

TECHNICAL INFORMATION

OPERATIONAL

Camera Mounting: Universally adjustable camera

bracket accepts most 2/3" CCTV

Ceiling Mounting: Upper half can be directly flange-

mounted to ceiling or can be sup-ported by grid structure of dropped ceiling. (Use V8660H-MR Mounting

Kit.)

Electrical Access: Two 0.88 in (2.23cm) openings on top

of recessed portion. Electrical duplex outlet provided inside.

MECHANICAL

Height; 9.25" (23.5cm) overall. Size:

4.44" (11.3cm) exposed

below ceiling. 9.45" (24.0cm) Width: Length; 20.99" (53.3cm). NOTES:

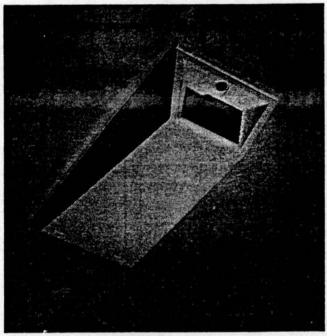
SUPERSEDES D. S. 360A

SPEC. NO.

360B

REV. 1281 SEC. h

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V8660H CEILING ENCLOSURE

Accepts camera and lens combinations up to 4.00" (10.2cm) high x Camera Size:

14.00" (35.6cm) long x 4.75" (12.0cm)

wide.

Weight: 5.5 lb (2.5 kg).

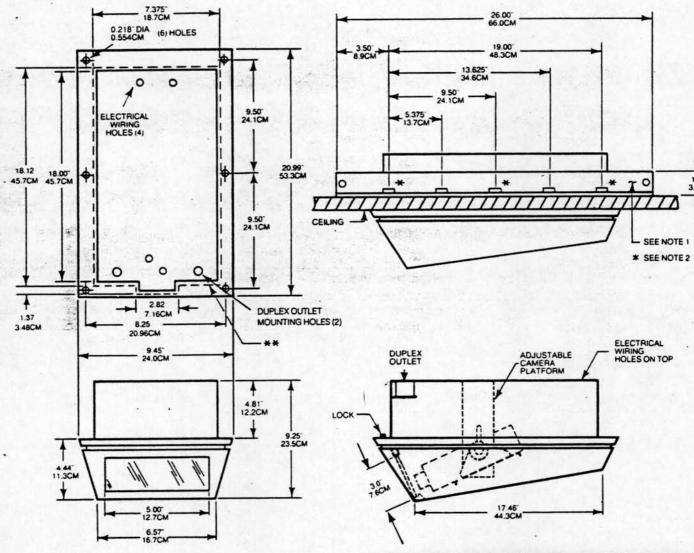
Construction:

High impact injection-molded thermoplastic. UL 94-VO rated.

Color: Window: Clear acrylic.

ACCESSORIES

Model V8660H-MR: Kit consisting of support rails to be used when mounting unit in conventional dropped ceilings.

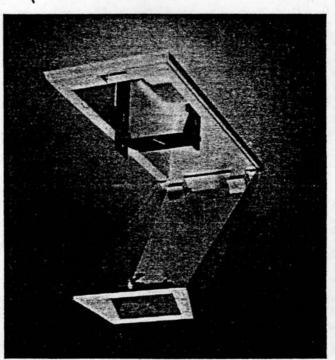


NOTES:

- 1. Optional mounting rails with five #10-32 tapped holes (long side shown, can be mounted on long or short side.)

 2. *Denotes location of mounting screws.

 3. **Denotes cutout in ceiling.







VM4509 B/W 9" Video Monitor

Video Products

Features:

- Rugged metal cabinet
- · Dual power source AC or DC
- · Recessed hand grip for portability
- · Flip open control cover
- · LED on-off indicator
- · D.C. restoration switch
- · HiZ-LoZ termination switch
- · Video input bridging
- · Data-picture switch for optimum display
- · Regulated power supply w/isolation transformer
- · Solid state circuitry
- · High resolution
- · Quick start without preheating
- · UL and DHHS approval
- · FCC RFI compliance

General Specifications: Model VM4509

Dimensions 8 5/8" (220mm) W x 9 1/2" (238mm) H x 10 3/8" (260mm) D

Weight net wt. 12.8 lbs.

shipping wt. 14.3 lbs.

Power Source 120V 50/60Hz ± 10%, 33W

or 12-16V DC, 17W

Picture tube Type - 240XB4A or 240YB4

Deflection - 90°

Screen - 9" (24cm) diagonal

Heater - 11V 140ma

IC, Transistors, diodes IC - 1

Transistors - 13

Diodes - 15

Controls & locations On-off, switch, front

Brightness, rotary, front

Contrast, rotary front

V-hold, rotary, front

H-hold, rotary, front

Impedance, switch, rear Data-picture, switch, rear

D.C. restoration, switch, rear

Connectors (2) video in, video out, SO-239 rear

AC plug UL approved 3 pin

Optional Accessories

12V DC power cord MDC56 Single rack mount RMA419 Dual rack mount RMA429

Performance Specifications:

Input signal range .5V P P to 1.5V P P @ 75 ohms Horizontal resolution 700 lines nominal at center Video bandwidth 15MHz

Raster distortion Trapezoidal 1% max.

Barrel 1% max.

Pincushion 1% max.

Parallelogram 3° max.

Deflection Vertical pull-in range 10Hz min.

Drift ± 2Hz max.

Horizontal 15.75KHz ± 500Hz

Light output 25 FL min.

MTBF (less CRT) 15,000 Hrs.



SANYO ELECTRIC, INC.

Communications Products Division

1200 W. Artesia Blvd. Compton, California 90220 (213) 537-5830



Simplified Rapid-Set Model

Closed-circuit video equipment Date and Time Generator TC1440B



- Sharp, Stable Display
- Black Outlined White Characters
- All Controls Front Accessable

Reliable

Power-line accuracy. No cumulative errors.

Latest CMOS technology and conservative design assures trouble free operation.

Standby electronic "flywheel" during brief power failures - no loss of timing information.

Looped-through video unaffected by generator - even if off.

Adaptable

Zoom character size control - 5 to 15% of picture height.

Display positioned anywhere on screen - stacked or horizontal.

Manual brightness control plus . . . automatic adaption to changes in background brightness level.

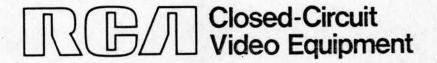
Usable with random or positive interlace camera - color or monochrome.

Easy to Use

Recessed dual-action front panel switches set date and time.

Built-in calendar tracks days, months, and years (including leap-years) automatically.

No accidental turn off - powered with line cord insertion - no power switch.



Character Format Seven-bar matrix, white with black outline. Zoom size control, 2:1 aspect ratio, height 5 to 15% of picture height. 24 hour military clock.

Timing Accuracy Power-line accuracy. No cumulative error. (Optional crystal models are \pm 1 min/month.)

Standby Preserves timing up to ten minutes. (Internal battery model ,TC1440B/09, available to maintain timing during extended outages.)

Video Input Looping. Passive circuit provides flat response to 30 MHz with no deterioration of color or monochrome signals. Random or positive interlace. Composite video.

Power 120 VAC, 60 Hz, 4 VA max. (105-140 VAC).

Controls Three Dual-Action switches for rapid advance of functions. (Seconds position sets display to zero and halts timing functions.) Horizontal and vertical display position. Display size. Display brightness. Display format.

Weight 3-1/4 lb (1.5 kg).

Finish Non-reflecting beige and brown.

Options:

TC1440B/01 - Crystal controlled AC/DC model. Also has provisions for user-supplied battery to maintain timing during extended power outages.

TC1440B/02 - Decimal minute model for time/motion study.

TC1440B/03 - "Stop-watch" model reads to 0.1 seconds.

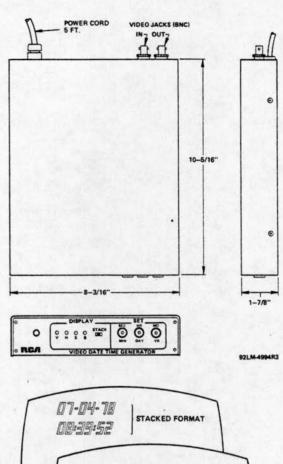
TC1440B/04 - Non-video model with raster generator and extra large display for master clock use.

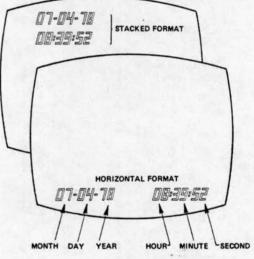
TC1440B/05 - Crystal controlled model for use where power line is inaccurate.

Models with BCD (Binary Coded Decimal) Output or Input available to meet special requirements.

All models available for 240 VAC - 50 Hz.

Mounting Furnished in cabinet. For rack mounting, order single unit hardware TC2117/01 or two-unit hardware TC2117/02.





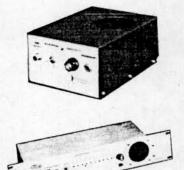
CONDENSED CATALOG



ELECTRONICS

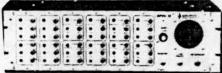
SECURITY/SURVEILLANCE PRODUCTS

BASE STATIONS

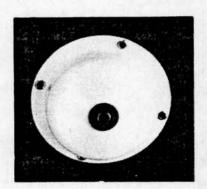


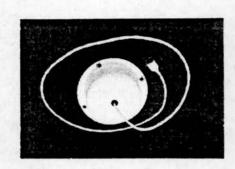






VERIFACT MICROPHONES (REMOTE STATION PICK-UP)







AUDIOPRESENSE* THE ULTIMATE SECURITY SYSTEM

Louroe Electronics is the first and only manufacturer of *verifiable* audio security/surveillance equipment in the world, a proprietary system which can be transmitted to a central station. Twenty years of electronic engineering, R & D, and testing experience pioneered the development of the *LOUROE VERIFACT* audio system for the protection of life and assets. A system which renders all others obsolete.

Hand craftsmanship and integrated circuitry are an integral part of LOUROE'S quality and is accepted as the highest standard in audio electronic security.

AUDIOPRESENSE* VIRTUALLY ELIMINATES FALSE ALARMS *The same as being there.

VERIFACT microphones OMNI or UNI directional SOUND ACCUMULATORS

The LOUROE "A" and "B" model microphones utilize highly sensitive omnidirectional pick-up integrants affected by very low sound pressures and can *not* be used as speakers*. When the sensitivity level is adjusted at the base station for ambient sound levels, all sound will be heard within 30'. Easy mounting in any position makes for ideal and indiscernible use in the security field. The model "B" is often used through suspended ceilings. The sound is sent to the LOUROE Base Station amplifier by a two conductor shielded cable from the built-in pre-amplifier in each microphone base.

The Model "C" is a highly sensitive uni-directional (shotgun-type) microphone to pick up sounds from a specific area with a minimum amount of sound interference from outside the zone of interest.

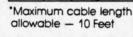
*See TL microphone/speaker below.



MODEL	BASE	BASE	BASE
	DIA	HGT	WHT
Α	41/2	2"	4 oz.



MODEL	BASE	BASE	BASE
	DIA	HGT	WHT
В	41/2	2"*	4 oz.





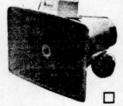
MODEL	BASE	BASE	BASE
	DIA	HGT	WHT
С	41/2	2"	7.5 oz.

Wand length 11" over-all



TALK - LISTEN MICROPHONE/SPEAKERS

These unique microphones are intended for use with the TBM module of the APVX System. Each TL (Talk-Listen) VERIFACT microphone/speaker is a two element unit. A separate microphone and paging speaker is incorporated into one unit. The microphone element has full frequency response and is highly sensitive to low sound pressure. Normal sound levels are heard within thirty feet.



*TLI is an 8" water resistant speaker. DTLO employes a horn type speaker.

ASK-4 Outfit

1. #BBA-1, base station

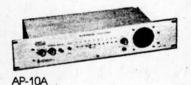
- 2. #A, microphone
- 3. #AD-1, AC adaptor

A ONE ZONE AUDIO SURVEILLANCE KIT

The LOUROE audio surveillance kit is the only known inexpensive complete component outfit which allows listening and audible recording and, as well, may be connected to a VCR to be used as a playback amplifier. The multifunctional base station contains a three (3) inch high fidelity speaker for constant listening of sounds picked up by the VERIFACT microphone. A sound level control on the BBA base station is included. The front mounted earphone jack can also be used as a convenience remote speaker jack. Power for the BBA-1 base station is supplied with a 12V AC adaptor #AD-1. The power for the VERIFACT microphone is obtained from the #BBA-1 base station. The microphone can be positioned up to 1000 feet from the BBA-1 base station.

MULTI-FUNCTIONAL BASE STATIONS AP SERIES (Audio)





AP-1	7"x5"x3"	2 lbs.	2	
AP-4	7"x5"x3"	2 lbs.	4	81
AP-10A	10"x19"x31/2"	6 lbs.	10	7

SIZE

MODEL

AP-1A, automatic variable time (5-60 sec.) monitoring of 2 remote stations with manual over-ride.

INPUTS

WT.

MANUAL SWITCHER

MONITORING SPEAKER

3"

3"

3"

AUDIO RECORDER
CAPABILITY

1

AP-1M, mixes sound input from two stations at the same time.

AP-4M, mixes sound input from four stations at the same time.

AP-4S, any one of four stations may be selected for monitoring at any one time

AP-10A, includes automatic sequential station monitoring. Specify rack or console cabinet unit.

AVS SERIES





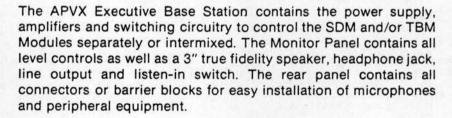
MODEL	SIZE	WT.	INPUTS	HEADPHONE JACK	MONITORING SPEAKER	MANUAL SWITCHER	AUDIO/VIDEO MONITOR
AVS-2	7"x5"x3"	2 lbs.	2	1	3″	1	1
AVS-10B	10"x19"x3½"	8 lbs.	10	1	3"	1	1

AUDIO FOLLOW VIDEO SCANNERS

LED indicators for each remote station, variable speed sequential scanning of each audio/video remote station with manual over-ride switch. Video monitor/audio monitor section is capable of switching signals for recording either or both modes by output jack provided. Specify rack or cabinet unit.

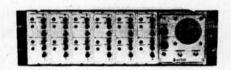
The MODEL AVS-10B series expands the proficiency of the AVS-10 by incorporating an additional circuit to bridge the audio and video unit of a zone that requires closer scrutiny, by manual control, to a second video monitor. A rack mounted unit.

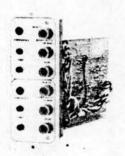
APVX EXECUTIVE BASE STATION



SDM (SOUND DISCRIMINATORY MODULE): Each module contains two separate zones. Each zone has separate threshold controls and auto/manual reset operation, color coded push button, variable time control, manual reset button and LED alarm zone annunciator. All SDM'S are shipped with broad response filtering or specified sound discriminating filters: low pass, band pass or high pass.

TBM (TALK-BACK MODULE): Each module contains two zones. Each zone has LED annunciation, a variable VOX threshold control, a color coded monitoring switch, talk-back push button and a reset button to deactivate the VOX switch. An operator microphone and stand are included when TBM modules are ordered. The TBM is used with a TL (TALK-LISTEN) microphone and/or a combination of the A, B, C VERIFACT microphone and separate speakers.





SDM - MODULE

BG - 1A



61/4" x 31/2" x 21/8"

SOUND ACTIVATED SWITCH

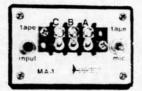
The BG-1 (manual reset) and BG-1A (variable time automatic reset) were specifically designed to be secondary units to the AP and AVS series base stations and must be used with the VERIFACT microphone. These units when activated by any sound, will signal any one of many functions; turn on lights, turn on a video or audio recorder, an audible alarm, etc. As a self-contained alarm system, a 12V DC power supply, via miniature phone jack, is required. The VERIFACT microphone is then supplied power from the unit.

REMOTE STATION MICROPHONE EXTENDER ADAPTER

The MLA-1 module expands each microphone station up to 6 microphones within one zone of surveillance.

MODEL	SIZE	WT.		MIXES AMPLITUDE SIGNALS AND CORRECTS FREQUENCY RESPONSE	POWER SUPPLY	OUTPUT CAPABILITY	ALTERNATE POWER SUPPLY
MLA-1	4"x4"	60z.	6	-	BASE STATION	TO BASE STATION AND AUDIO RECORDER	BATTERY SEPARATE

MA-1



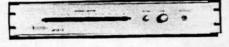
3½" x 2½" x 1½"

AUDIO FOLLOW VIDEO CCTV MONITOR ADAPTER

The MA-1 ADAPTER is compatiable with all standard audio CCTV monitors and is installed between the VERIFACT microphone and the monitor. A two position switch allows a choice of audio monitoring and VCR recording or playback of the VCR audio portion. Power supply for the VERIFACT microphone is provided by the LOUROE AD-1 power adapter or a source from inside the monitor chassis. Easy mounting on or near the monitor. NOTE: for monitors without an audio playback amplifier, use the LOUROE #ASK-4 KIT.

APTB-12

SINGLE STATION OR 'ALL CALL' TALK BACK AMPLIFIER

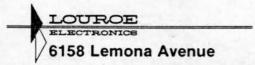


This self-contained amplifier is rack mounted or installed in a monitoring console. The operator has direct voice contact to one or more or all zones through public address speakers. When the APTB-12 is coupled to any LOUROE sound processing base station a mute mode is activated to silence incoming sounds from the VERIFACT microphones.

LOUROETHE SILENT WATCHDOG

The LOUROE audio security/surveillance components do not move or make a sound unless directed. Audio is the perfect adjunct to video surveillance. Audiopresense allows you to verify each intrusion by listening to that security location, even when other security equipment is turned off during usual business hours. A totally unprecedented first line of defense to life and assets with the lowest false alarm rate. The LOUROE dealer service department is ready to help on all special or unique security applications. Individual station lockouts, computer coupling, etc., is available. Our marketing department has prepared a total information and installations manual.

For complete specifications and installation information, request component specifications sheets. When you buy LOUROE products, you not only get the finest equipment, but also service from the world's finest security dealers.



Van Nuys, CA 91411 • (818) 994-6498

FIVE YEAR LIMITED WARRANTY.
Federal law requires public notice of the use of these microphones.
(Self Sticking Decal Supplied)

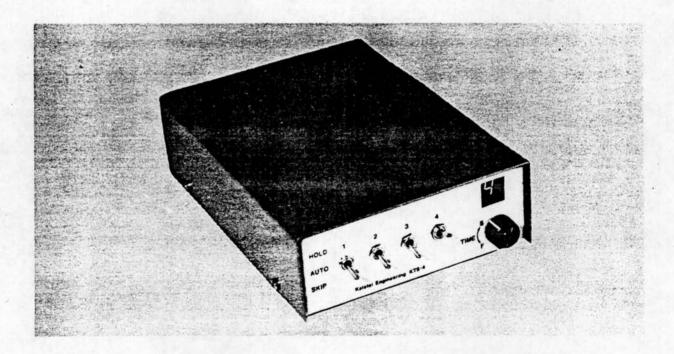
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Printed in USA #CC 1/84



SEQUENTIAL SWITCHERS

KTS SERIES



- VERTICAL OR INTERVAL SWITCHING
- NUMERICAL POSITION DISPLAY
- 2, 4, 7, 10, 12, or 15 VIDEO INPUTS
- LOW COST
- ON SCREEN CHARACTER DISPLAY AVAILABLE
 PLUG IN MODULE

SECO now offers six models of vertical interval sequential switchers, which are economical, small in size, and easy to use. All six units provide a video output which sequences through the camera inputs at a time adjustable interval. Any camera may be manually selected by switching to its hold position, or may be bypassed by switching to its skip position. In addition, all the switchers feature a digital display of camera position, and are designed to accept a low cost character display printed circuit (KTS-CD) which superimposes the camera position number on the video picture. This circuit simply plugs in, and may be added by the user at any time. All Units are available in rack mount versions.

MODELS

KTS-2 Two Input Vertical Interval Sequential Switcher
KTS-4 Four Input Vertical Interval Sequential Switcher
KTS-7 Seven Input Vertical Interval Sequential Switcher
KTS-10 Ten Input Vertical Interval Sequential Switcher
KTS-12 Twelve Input Vertical Interval Sequential Switcher

KTS-15 Fifteen Input Vertical Interval Sequential Switcher

Note: For rack mounted versions of the above models, add an R and a number indicating the amount per 1.75" panel (up to three).

OPTIONS

KTS-CD Character Display Circuit for all Sequential Switchers

SPECIFICATIONS

CONTROLS:

Power: Off/On (combined with timing pot)

Time: Adjusts sequence time from .5 to 25 seconds-knob adjustable

Modes: Auto/Hold/Skip-DPDT switches

POSITION DISPLAY:

KTS-2 Two light emitting diodes

KTS-4, 7, 10, 12, 15 Seven segment light emitting diode display

MECHANICAL:

Height: 1.75 inches Depth: 6.50 inches

Width: KTS-2 4.00 inches KTS-4 4.75 inches

KTS-7 6.50 inches Less than 3 lbs.

Weight: Less than 3
Construction: 18ga steel

Finish: Baked enamel-two-tone beige

ELECTRICAL:

Voltage: 117vac

Power: Less than 3 watts

VIDEO:

Termination: All inputs and outputs 75 ohms

Input Level: 1 volt p-p
Output Level: 1 volt p-p
Connectors: UHF



STANDARD EQUIPMENT COMPANY 9240 NORTH 107TH STREET MILWAUKEE, WISCONSIN 53224 PHONE (414) 355-9730

June 19, 1985 Honorable Mayor & City Council City of Crystal, MN Re: Improvement Needs Schweitzer 2nd Addition Dear Councilmembers: A study was made of the improvement needs as they pertain to the above-captioned site.

The items listed below were found to be reasonable and necessary for the orderly development of the City of Crystal and the site, also being in the best interests of the public:

- Construct V6 cast-in-place concrete barrier curb per approved plot plan.
- Construct parking area, access aisles and drives with a minimum of 6" Class 5 base and 2" bituminous surface.

- Stripe parking stalls with white paint.

- Area lighting shall conform to Section 515.07, Subd. 10, of the Crystal City Code.

- Landscape all open areas.

- Provide all lot irons in place and to grade at the time of final acceptance.

It is recommended that the above work be required as a condition of plat approval; and that the work be completed not later than October 1, 1985; that the work be unconditionally guaranteed for a period of one year from date of final acceptance of all the work; and that surety in the amount of \$9,500 be required as a guarantee of the faithful performance of the above construction and requirements.

Sincerely,

William L. Sherburne, P.E.

City Engineer

WLS:jrs

John T. Irving, City Manager Bill Baker, 300 Titus Bldg. 6550 York Avenue South Minneapolis, MN 55435

Encls

June 21, 1985

Honorable Mayor & City Council City of Crystal, MN

Re: Surety Reduction Crystal Green

Dear Council members:

A portion of the work required to be performed as a condition of plat approval for the above-captioned project has been completed.

It is recommended that the surety currently held in the amount of \$310,000 be reduced to \$30,000.

The work completed to date appears to be satisfactory, however, final acceptance, and commencement of the guarantee period will not take place until all of the required work has been completed and found acceptable.

Sincerely,

William L. Sherburne, P.E.

City Engineer

WLS:jrs

Ref.: Letter of Credit 2019

Builders Development & Finance Co.

cc: Halley Land Co.

SENT WITH PRELIMINARY AGENDA 7/12/85

- Council minutes of 7/2/85.
- Assessment hearing projects for hearing on 10/1/85.
- Planning Commission minutes of 7/8/85.
- Unapproved excerpts from Park & Rec. Adv. Comm. minutes of 7/10/85.
- Memo from City Engr. of 7/10 re bids for sealcoat projects.
- Resignation letter of 6/28 from Bill Calbin from Environmental Comm.
- Memo from Ass't. City Mgr. of 7/10/85 re City logo.
- Human Relations Comm. minutes of 6/24/85.
- AMM Bulletin re 1985 Legislative Act Summaries--Items of particular interest to Metro Cities.
- AMM Bulletin of 7/9/85 re membership on AMM Legislative Policy Committee.
- Letter from Metropolitan Council of 7/3/85 re openings for Regional Transit Boards.
- Park & Rec. Adm. Comm. minutes of 6/5/85.
- Park & Rec. Dept. June monthly report.
- Park & Rec. Adv. Comm. agenda for 7/10/85.

SENT WITH AGENDA 7/16/85

- Hold harmless agreement w/Elks Club for sweeping their parking lot w/City forces.
- 3 Resolutions for waiving subdivision requirements.

COUNCIL AGENDA

July 16, 1985

1.

Pursuant to due call and notice thereof, the regular meeting of the Crystal City Council was held on July 16, 1985, at 7:00 P.M., at 4141 Douglas Drive, Crystal, Minnesota. The Secretary of the Council called the roll and the following were present:

Councilmembers	<u>Staff</u>
Schaaf	Irving
Smothers	Kennedy
Herbes	Olson
/ Pieri	Sherburne
V Aaker	Peterson
✓ Moravec	also Deno
Rygg	Ahmann
The Mayor led the Council and the au	idience in the Pledge of Allegiance to the Flag.
The minutes of the minutes of the approved, with the following exceptions:	regular Council meeting of July 2, 1985 were
CONSEN	T AGENDA
the date and time for a public hearing Board of Adjustments and Appeals to co	as the matter may be heard, August 6, 1985, as g at which time the City Council will sit as a consider a request from Doug Rynda for a variance ar yard setback to build a 12' x 15' deck and a 4501 Welcome Avenue North.
the date and time for the assessment	s the matter may be heard, October 1, 1985, as hearing for Improvement Nos. 64-D, 65-A, 65-B, ter, street lighting, weed cutting, and sidewalk dition to the tax roll.
Moved by Councilmemberitems and from the Cons	and seconded by Councilmember to remove motion Carried.
Moved by Councilmember Ly	and seconded by Councilmember to approve Motion Carried.

REGULAR AGENDA

	REGORAL MODINAL
1.	It being 7:00 P.M., or as soon thereafter as the matter may be heard, Mayor Aaker declared this was the date and time as advertised for a public hearing, at which time the City Council will sit as a Board of Adjustments and Appeals, to consider a request from Patrick and Ann Sauter for a variance of 1' in the required 5' side yard setback to build a garage at 4026 Hampshire Avenue North. The Mayor asked those present to voice their opinions or ask questions concerning the variance. Those present and heard were: (5 votes needed for approval)
	Moved by Councilmember And seconded by Councilmember to the discussion of the authorization to grant a variance pursuant to Section 515.13, Subd. 3a) 1) to allow a variance of 1' in the required 5' side yard setback to build a garage at 4026 Hampshire Avenue North as requested in Variance Application #85-36A. Motion Carried.
2.	The City Council considered a resolution waiving platting ordinance and approving the division and conveyance of parcels to Brutger Companies for property at 5450-5500 Douglas Drive.
	Moved by Councilmember and seconded by Councilmember to adopt the following resolution, the reading of which was dispensed with by unanimous consent: RESOLUTION NO. 85-58
	RESOLUTION WAIVING PLATTING ORDINANCE AND APPROVING THE DIVISION AND CONVEYANCE OF PARCELS TO BRUTGER COMPANIES FOR PROPERTY AT 5450-5500 DOUGLAS DRIVE
	By roll call and voting aye:,,,,; woting no:,,,,,,,,,,,,,,,,,,,
	Moved by Councilmember and seconded by Councilmember to (deny) (continue until the discussion of) a resolution waiving platting ordinance and approving the division and conveyance of parcels to Brutger Companies for property at 5450-5500 Douglas Drive. Motion Carried.

The City Council conside	red a request from Brutger Cor	mpanies for a building permit
to construct a 160-unit a	partment building at 5450-5500	mpanies for a building permit Douglas Drive. y 2 87 90/0
to construct a roo unit a	partment banding at olds seen) (
		gn.

Moved by Councilmember H and seconded by Councilmember M to (approve) (deny) (continue until the discussion of) issuance of a building permit #6729 for a 160-unit apartment building at 5450-5500 Douglas Drive, subject to standard procedure.

Chuck Dufresne of Lincoln Properties, appeared before the City Council to update the Council on the progress that Lincoln Properties is making on Crystal Galleries, part of the redevelopment project for the Bass Lake Road/Becker Park area.

The City Council considered a request from St. Raphael's Church for a carnival license and a waiver of the fee for St. Raphael's Festival at 7301 Bass Lake Road on August 2, 3, and 4, 1985.

land

Moved by Councilmember And seconded by Councilmember to the discussion of) a carnival license and a waiver of fee for St. Raphael's Festival at 7301 Bass Lake Road on August 2, 3, and 4, 1985.

The City Council considered a request from St. Raphael's Church for a license to operate a 3.2 special beer stand at 7301 Bass Lake Road on August 2, 3, and 4, 1985.

Served 17

Moved by Councilmember

(approve) (deny) (continue until license to operate a 3.2 special beer stand at St. Raphael's Church, 7301 Bass Lake Road on August 2, 3, and 4, 1985.

The City Council considered the recommendations from the Park and Recreation Advisory Commission concerning restrooms and fencing in Becker Park.

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The City Council considered a request from the Crystal Fire Relief Association for licenses for 3.2 special beer stands at Bassett Creek, Valley Place, and Welcome Parks on July 26, 27, and 28, 1985, for the Crystal Frolics. Moved by Councilmember and seconded by Councilmember to (approve) (deny) (continue until ______ the discussion of) licenses for 3.2 special beer stands at Bassett Creek, Valley Place, and Welcome Parks on July 26, (approve) (deny) (continue until 27, and 28, 1985 for the Crystal Frolics as requested by the Crystal Fire Relief Motion Carried. Association. The City Council considered final approval of proposed plat Luke Nan Addition, located at the southeast quadrant of 47th Avenue and Hampshire Avenue North. certified Moved by Councilmember and seconded by Councilmember to adopt the following resolution, the reading of which was dispensed with by unanimous consent: RESOLUTION NO. 85-6/ RESOLUTION APPROVING PLAT ; absent, not voting: ___, ___, ___, woting By roll call and voting aye: carried, resolution declared adopted.

Moved by Councilmember _____ to (deny)

(continue until _____ the discussion of) final approval of proposed plat Luke Nan Addition. Motion Carried.

Cour	cil Agenda	- 6 -	July 16, 1985
10.	entertainment in certain	dered the Second Reading of an licensed premises within the Ci	n ordinance relating to nude ty of Crystal.
	Moved by Council the following ordinance:	Imember Am and seconded by (
		ORDINANCE NO. 85-12-	Sent for
		NCE RELATING TO NUDE ENTE ERTAIN LICENSED PREMISES WI THE CITY OF CRYSTAL	
	and further, that this b	e a second and final reading.	Motion Carried.
11.	(continue until nude entertainment in continue until 12 co 2	and seconded by Control the discussion derivation licensed premises within the discussion dered bids for Seal Coat Project	of) an ordinance relating to the City of Crystal. Motion Carried.
	Moved by Council the following resolution,	member and seconded by the reading of which was dispens	Councilmember Ry to adopt the with by unanimous consent:
		RESOLUTION NO. 85-62	allied Con
	A RE	SOLUTION AWARDING A CONTI	RACT
	By roll call and voting no:	aye:,,,,,,,,,,,,,,,,,,,	,,; voting; Motion
	Moved by Counci (continue until No. 65-D.	Imember and seconded by C the discussion of	Councilmember to (deny) of) bids for Seal Coat Project Motion carried.

12.	The City Council considered the resignation of William Calvin from the Environmental Commission.
	Que anot
	Letter sent
	1/10
	B.
2	Moved by Councilmember H and seconded by Councilmember to
/	(approve) (deny) (continue until
1	resignation of William Calvin from the Environmental Commission, and to direct the
	City Manager to send him a letter of thanks and appreciation. Motion Carried,
/	Motion Carried.
13.	The City Council discussed a City logo.
) 1 -	my fet si de stricte.
Don	The contract of the contract o
Ri-	y Lord logs -481.
0	1940
	m 12 Si
	이 그는 그 경에 살아왔다면 하면 하는데
/	
14.	The City Council discussed a hold harmless agreement with the Elk's Club concerning
	street sweeping for a street dance to be held at the Elk's Club during the Crystal
	Frolics July 26, 27, and 28, 1985.
	of solars.
100	
	of the same of the
	Moved by Councilmember and seconded by Councilmember to adopt
	the following resolution, the reading of which was dispensed with by unanimous consent:
	RESOLUTION NO. 85-63
	RESOLUTION APPROVING A HOLD HARMLESS AGREEMENT
	By roll call and voting ave:
	By roll call and voting aye:,,,,,; voting no:,, absent, not voting:, Motion carried, resolution declared adopted.
	carried, resolution declared adopted.
	Moved by Councilmember and seconded by Councilmember to (deny)
	(continue until the discussion of) a hold harmless agreement
	between the City of Crystal and the Elk's Club for street sweeping for a street dance
	for the Crystal Frolics July 26, 27, and 28, 1985. Motion Carried.

15. The City Council considered a request to discontinue designated bike routes within the City of Crystal. (This item was tabled from the July 2, 1985 meeting)

Moved by Councilmember and seconded by Councilmember to approve the list of license applications.

Moved by Councilmember and seconded by Councilmember to adjourn the meeting.

APPLICATIONS FOR LICENSE JULY 16, 1985

FOOD ESTABLISHMENT - Itinerant (Exempt)

St. Raphael's Church, 7301 56th Avenue North, Church Festival August 2-4, 1985 (10 stands)

GARBAGE AND REFUSE HAULERS (\$27.50 Co. lic. + \$16.50 ea. vehicle)

A & B Trucking, Minneapolis, MN L & N Disposal, Brooklyn Park, MN Minneapolis Hide & Tallow, New Brighton, MN Woodlake Sanitary Service, Hamel, MN

GASOLINE STATION: (\$36.25 Station + \$7.25 ea. hose connection)

Amoco Station, 5539 W. Broadway

CIGARETTES: (\$12.00 ea. machine and/or over counter sales)
Amoco Station, 5539 W. Broadway

GAS LICENSES (\$30.25)

Comfort Heating & Air Conditioning

PLUMBING LICENSES (\$30.25)

Conner Plumbing & Heating Company LaMere Plumbing & Heating, Inc. Peterson Plumbing & Heating

SIGN LICENSES (\$66.00)

Attracta Sign, Inc. Cragg, Inc.

July 11, 1985 Dear Councilmembers: This is Thursday afternoon and I am dictating the preliminary agenda which is normally dictated Friday morning. Because of that action, I anticipate the possibility of an additional item or two on the agenda for Tuesday evening, and if that happens, we will provide as much background information as we can so that you can make an educated decision. The reason I am dictating this on Thursday afternoon is that I may have a conflict between the normal time of dictating and the visiting of two of my children. Hopefully they will be visiting us at least overnight which may create some difficulties in my being in tomorrow morning to prepare this tentative agenda. The meeting doesn't seem to be a large one, but every time I say that, something happens to change the length I put on it. Whether or not that happens, the meeting should go, at least at this time, as follows: The minutes of the regular meeting of July 2, 1985, are enclosed for your review. Consent Agenda SUPPORTING DATA ITEM 1. Set Public Hearing to consider a re-None. quest from Doug Rynda for a variance to encroach 23' in the required 40' rear yard setback to build a 12'x15' deck and a 10' addition to the existing garage at 4501 Welcome Ave. N. 2. Set assessment hearing date for Octo- Letter re various projects. ber 1, 1985. As you can see, one is setting a public hearing regarding a variance, and the other sets an assessment hearing regarding the assessment of various projects. Information is provided on the assessment hearing. Regular Agenda 1. Public Hearing to consider a request from Patrick and Ann Sauter for a variance of 1' in the required 5' side yard setback to remodel a house and enlarge an existing garage at 4026 Hampshire Ave. N.

July 11, 1985

1. (Continued)

Don Peterson will explain in detail and answer questions Tuesday evening regarding this request.

 Consideration of a resolution waiving platting ordinance and approving the division and conveyance of parcels to Brutger Companies for property at 5450-5500 Douglas Drive.

Planning Commission minutes of 7/8/85, item 2; copy of resolution.

The Planning Commission has recommended approval of this action and is required because the HRA is providing the overall plat for the redevelopment area which includes this piece of property and relieves Brutger of that responsibility.

3. Consideration of a request from Brutger Companies for a building permit to construct a 160-unit apartment building at 5450-5500 Douglas Drive.

Planning Commission minutes of 7/8, item 3.

Again, the Planning Commission has recommended approval. All the necessary variances have been granted and the proposed building permit is in conformance with the approved plan by both HRA and the City Council.

4. Chuck DuFresne, of Lincoln Properties, None. appeared to update the City Council on the progress they are making on Crystal Galleries, a part of the redevelopment project for the Bass Lake Road/Becker Park area.

At the request of some members of the Council, I have asked Chuck DuFresne to come in and update the Council on their progress. He was not only willing, but happy to do so. It seems to me he has some good things to tell you.

- 5. Consideration of a request from St. None. Raphael's Church for a carnival license, and a waiver of the fee, for St. Raphael's Festival at 7301 Bass Lake Road on August 2, 3, & 4, 1985.
- 6. Consideration of a request from St. None. Raphael's Church for a license to operate a 3.2 Special beer stand at 7301 Bass Lake Road on August 2, 3, 4, 1985.

I think Items #5 and #6 are self-explanatory. If you have any questions, staff should be able to answer them Tuesday evening.

July 11, 1985 excerpts from

7. Consideration of the recommendation from the Park & Recreation Advisory Commission concerning restrooms and fencing in Becker Park.

Unapproved excerpts from the Park & Rec. Adv. Commission meeting of July 10, 1985.

I think the recommendations stated by the Park & Recreation Advisory Commission are the kinds of information you are looking for. I expect a letter of clarification from Steve Wilson, of Brutgers, to clarify what they are talking about as far as the fence between them and the railroad.

I think the Park & Recreation Advisory Commission has come up with a good idea regarding the negotiations between staff and Burlington Northern Railroad. Something like that may be able to be worked out, and if so, we could extend the fence through the Brutger property if the Council so desires. I am not certain that I agree with the Park & Recreation Advisory Commission's recommendation regarding the length of the fence between the park and Brutger's development, but that's not my decision to make. I am certain the Council will take all facets into consideration and make whatever decision they feel is appropriate.

If we were able to work out an agreement with Burlington Northern to replace their fence with a more safe fence, as suggested by the City Council, it may eliminate the need to put the fence between the housing development and the park. But as always, that's the Council's decision—not mine—and whatever you decide, we will do.

8. Consideration of a request from the None.
Crystal Fire Relief Association for
licenses for 3.2 special beer stands at
Bassett Creek, Valley Place and Welcome
Parks on July 26, 27 and 28, 1985, for
the Crystal Frolics.

I believe everything is self-explanatory and the requests are made to accommodate the Frolics.

9. Consideration of final approval of proposed plat Luke Nan Addition, located at the southeast quadrant of 47th Ave. & Hampshire Ave. N.

Planning Commission minutes of 7/8, item 1.

I call your attention to the Planning Commission minutes in which the Planning Commission did recommend approval.

 Consideration of the Second Reading None. of an ordinance regarding nudity.

Everything is in order as far as I understand. A representative of the Iron Horse did come in to get a copy of

July 11, 1985

neir atthe report
have heard
epresennce Tues-

-4-

Councilmembers

10. (Continued)

the proposed ordinance. Prior to that time, their attorney, Linda Fisher, did call me and discuss the report in the North Hennepin Post. Since that time I have heard nothing from either she or Phil Eder's other representatives. I am guessing they may be in attendance Tuesday evening, but I am not certain of that.

Because of this, I want to call your attention to the special Executive Session meeting on July 23. I am not certain at this time whether you plan to have the Second Reading prior to that time, or table it until after that meeting. My recommendation is that it doesn't make a lot of difference because there is a thirty-day publication period that you can take any action you feel necessary.

11. Consideration of awarding a contract for sealcoat projects for 1985.

Memo from City Engineer dated 7/10/85.

12. Consideration of the resignation of Bill Calvin from the Environmental Commission.

Resignation letter dated 6/28/85.

Continued notices are on cable and in the Post requesting volunteers for all commissions. The Environmental Commission is certainly no exception. You may or may not have somebody that you wish to request to apply, but at this time, we have no applicants for this commission.

13. Discussion of a City logo.

Memo from Ass't. City Mgr. dated 7/10/85.

Some time ago you suggested that the City discuss the possibility of having some kind of logo to place on the back wall in the City Council Chambers. During that discussion, it appeared that the Council may want to consider a change in the letterhead if an appropriate logo were approved. Staff, through John Olson, has talked to a couple of agencies, or representatives of those agencies, that deal in this kind of service. Staff is looking for further direction, based on the information provided by John.

That is the meeting as we see it for Tuesday evening. As I indicated earlier, there is a possibility, because of the earliness of this memo, that something will come up between now and tomorrow. If so, we'll do our level best to get all the information to you.

I have, for your information, enclosed the following:

1. Human Relations Commission minutes of 6/24/85.

July 11, 1985 -5-Councilmembers 2. AMM Bulletin re 1985 Legislative Act Summaries -- Items of particular interest to Metro Cities. AMM Bulletin of 7/9/85 re membership on AMM Legislative 3. Policy Committee. 4. Letter from Metropolitan Council of 7/3 re openings for membership on Regional Transit Boards. 5. Park & Recreation Advisory Commission minutes of 6/5/85. 6. Park & Recreation Dept. June monthly report. I would like to remind you that at the last meeting I sent you some information regarding flights to the National League of Cities Conference in Seattle, Washington in December. I know that's a long way off, but if somebody can let us know if they are going to be in attendance at that time, chances of getting first-choice hotel accommodations and getting on the reduced rate flights are better if we know it now and can make the necessary arrangements. After saying that, I understand that it isn't always so easy to make arrangements this far in advance, but if we are to get the accommodations you wish, we must know as soon as possible. I don't know if all of you know, but I intend to be on vacation Wednesday, Thursday, Friday, Saturday and Sunday of next week. I will leave shortly after the Council meeting Tuesday evening and be back to work the following Monday morning. I won't be further away than a telephone call except during those periods I'm on the golf course. I intend to spend those five days at Madden's on Gull Lake. John, Delores or Darlene, or any of the staff can contact me at any time. Have a good weekend. See you Tuesday. JACK da enc. There may be a couple of other items, such as, the hold harmless P.S. agreement with the Elks Club, and the possibility of setting a bond for additional construction at the Octopus Car Wash. Neither of them are absolutely ready at this time, but very likely may be by Tuesday. If so, we'll put them on.

APPLICATIONS FOR LICENSE JULY 16, 1985

FOOD ESTABLISHMENT - Itinerant (Exempt)

St. Raphael's Church, 7301 56th Avenue North, Church Festival August 2-4, 1985 (10 stands)

GARBAGE AND REFUSE HAULERS (\$27.50 Co. lic. + \$16.50 ea. vehicle)

A & B Trucking, Minneapolis, MN
L & N Disposal, Brooklyn Park, MN
Minneapolis Hide & Tallow, New Brighton, MN
Woodlake Sanitary Service, Hamel, MN

GASOLINE STATION: (\$36.25 Station + \$7.25 ea. hose connection)

Amoco Station, 5539 W. Broadway

CIGARETTES: (\$12.00 ea. machine and/or over counter sales)
Amoco Station, 5539 W. Broadway

GAS LICENSES (\$30.25)

Comfort Heating & Air Conditioning

PLUMBING LICENSES (\$30.25)

Conner Plumbing & Heating Company LaMere Plumbing & Heating, Inc. Peterson Plumbing & Heating

SIGN LICENSES (\$66.00)

Attracta Sign, Inc. Cragg, Inc.

DUE DATE: NOON, WEDNESDAY JULY 10, 1985

MEMO TO:

John T. Irving, City Manager

FROM:

John A. Olson, Assistant City Manager

ACTION NEEDED MEMO: From the July 2, 1985, Council Meeting

The items listed below are the actions requested by the City Council at their regular Council meeting of July 2, 1985. These items should be taken care of by noon, Wednesday, preceding the next regularly scheduled Council meeting and returned to the Assistant City Manager for his review.

CONSENT AGENDA

DEPARTMENT · ITEM

1.

1.

BLDG, INSPECTOR

Set public hearing to consider a request for a variance at 4026 Hampshire Avenue North.

ACTION NEEDED: Notify affected property owners.

ACTION TAKEN: Notices sent 7-2-85.

ASST. CITY MGR.

ACTION NEEDED: Place item on July 16, 1985 Council Agenda.

ACTION TAKEN: Item placed on July 16, 1985 Council Agenda.

REGULAR AGENDA

BLDG. INSPECTOR

Public hearing to consider a request for a variance at 5801 Quail Avenue North.
ACTION NEEDED: Notify applicant of Council approval.
ACTION TAKEN: Applicant present at meeting.

BLDG. INSPECTOR

Public hearing to consider a request for a variance at 5334 Fairview Avenue North.

ACTION NEEDED: Notify applicant of Council approval.

ACTION TAKEN: Applicant present at meeting.

DEPARTMENT	ITEM	
CITY MANAGER	3.	Consideration of a request to discontinue designated bike routes within the City of Crystal. ACTION NEEDED: Refer item to Park Advisory Commission for comment. ACTION TAKEN: Referred to Commission
CITY MANAGER	4.	Consideration of plans for restrooms and fence in the redeveloped Becker Park. ACTION NEEDED: Refer to Park Advisory Commission for comment. ACTION TAKEN: Referred to Commission
CITY ENGINEER	5.	Consideration of setting surety in the amount of \$22,000 for Meineke Muffler, 5259 Douglas Drive. ACTION NEEDED: Complete agreement. ACTION TAKEN: Copy of signed agreement mailed 7-3-85.
BLDG. INSPECTOR		ACTION NEEDED: Issue building permit to Meineke Muffler once agreement has been signed. ACTION TAKEN: Plans incomplete for building permit.
CITY ENGINEER	6.	Consideration of setting surety in the amount of \$9,500 for Schweitzer 2nd Addition. ACTION NEEDED: Notify applicant of Council setting of surety; secure agreement. ACTION TAKEN: Letter of agreement bond and letter of credit form sent 7-3-85.
CITY ENGINEER	7.	Consideration of reduction of surety in the amount of \$310,000 to \$30,000 for Crystal Green. ACTION NEEDED: Notify proponent of Council reduction in surety. ACTION TAKEN: Certified copy picked up 7-10-85.

ITEM DEPARTMENT Consideration of Second Reading of an ordinance rezoning CITY CLERK 8. property at 55th Avenue and Douglas Drive from I-1 and B-4 to R-4. ACTION NEEDED: Publish ordinance. ACTION TAKEN: Sent for publishing. Consideration of appointment of a representative to the CITY MANAGER 9. Five-City Transportation Executive Committee. ACTION NEEDED: Notify committee of appointment of Jeanne Fackler as the second representative on the committee. ACTION TAKEN: In process. REDEVEL. COORD. Consideration of a resolution proposing an amendment to 10. the City Comprehensive Plan. ACTION NEEDED: Notify Metropolitan Council of resolution changing Comprehensive Plan. ACTION TAKEN: Notified. POLICE CHIEF Consideration of a monitoring system in the Police 11. Department. ACTION NEEDED: Notify low bidder of Council approval. ACTION TAKEN: Low bidder notified; monitoring system and lighting on order 7-8-85. CITY CLERK 12. Consideration of an application for an off-sale liquor license for Thomas H. Olsen for the Hitchin Post, 5616 Lakeland Avenue North. ACTION NEEDED: Issue license. ACTION TAKEN: License issued 7-8-85.

Consideration of an ordinance relating to nude 13. ASST. CITY MGR. entertainment in certain licensed premises within the City of Crystal. ACTION NEEDED: Place Second Reading on July 16, 1985 Council Agenda allowing time to uncover new facts. ACTION TAKEN: Item placed on July 16, 1985 Council Agenda. Consideration of the First Reading of an ordinance 14. CITY MANAGER amending provisions of the zoning code relative to property abutting Twin Lake. ACTION NEEDED: Refer item to Planning Commission prior to second reading. ACTION TAKEN: Item referred to Planning Commission Consideration of a 3.2 beer license and waiver of fee CITY CLERK 15. for the Crystal Lion's Club for dance in parking lot at Elk's Club #44, Highway #169 and Wilshire Boulevard on July 26, 1985. ACTION NEEDED: Issue license and waive fee. ACTION TAKEN: License issued. Consideration of a request for variances to the sign BLDG. INSPECTOR 16. ordinance from Dairy Queen for the Golden Skillet Building. ACTION NEEDED: Notify applicant of Council denial of request. ACTION TAKEN: Applicant present at meeting. 17. Licenses. CITY CLERK ACTION NEEDED: Issue licenses. ACTION TAKEN: Licenses issued.

ITEM

DEPARTMENT

JULY 16, 1985 CONSENT AGENDA

To set 7:00 p.m., or as soon thereafter as the matter may be heard, October 1, 1985, as the time and date for the assessment hearing for:

Improvement 64-D Winneta Ave. overlay

Improvement 65-A Florida Ave. - 55th Ave. to 56th Ave.

Improvement 65-B 45th Place - Florida Ave. to dead end east

Improvement 65-D Sealcoat

Also for delinquent sewer, water, street lighting, weed cutting and sidewalk repair bills to be certified for addition to the tax roll.

RESOLUTION NO.

RESOLUTION WAIVING SUBDIVISION REQUIREMENT

WHEREAS, an application has been received requesting a waiver from the subdivision regulations of the city so as to allow the division of an existing lot of record into two separate parcels described by metes and bounds, and

WHEREAS, the legal description of the existing parcel is described in attached Exhibit A; and

WHEREAS, the legal description of the parcels created by such division are described in attached Exhibit B; and

WHEREAS, the applicant is desirous of conveying the separate parcel described in Exhibit B as Tract 1 to a third party but cannot do so without complying with the requirements of the city's subdivision regulations unless a waiver to such requirements is granted; and

WHEREAS, the city council, sitting as the Board of Adjustments and Appeals, finds that compliance with the requirements of the subdivision regulations involves an unusual hardship on the land and that failure to comply does not, in this case, interfere with the purposes of the subdivision regulations.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Crystal, Minnesota that pursuant to the city's subdivision regulations and the provisions of Minnesota Statutes Section 462.358 (1984) a waiver is hereby granted to the city's subdivision regulations so as to allow the division of the lands described in Exhibit A into the two separate parcels described in Exhibit B without the need to plat such divided parcels.

Parcel Description

That part of Lot 35, Auditor's Subdivision Number 328, lying East of the West lines of Section 4, Township 118, Range 21.

Tract 1:

That part of Lot 35, Auditor's Subdivision Number 328, lying East of the West lines of Section 4, Township 118, Range 21 and northerly of the southerly 140 feet thereof, said 140 feet measured along the westerly line of said parcel.

Tract 2:

The southerly 140 feet of that part of Lot 35, Auditor's Subdivision Number 328, lying East of the West lines of Section 4, Township 118, Range 21, said 140 feet measured along the westerly line of said parcel.

RESOLUTION NO.

RESOLUTION WAIVING SUBDIVISION REQUIREMENT

WHEREAS, an application has been received requesting a waiver from the subdivision regulations of the city so as to allow the division of an existing lot of record into two separate parcels described by metes and bounds, and

WHEREAS, the legal description of the existing parcel is described in attached Exhibit A; and

WHEREAS, the legal description of the parcels created by such division are described in attached Exhibit B; and

WHEREAS, the applicant is desirous of conveying the separate parcel described in Exhibit B as Tract 1 to a third party but cannot do so without complying with the requirements of the city's subdivision regulations unless a waiver to such requirements is granted; and

WHEREAS, the city council, sitting as the Board of Adjustments and Appeals, finds that compliance with the requirements of the subdivision regulations involves an unusual hardship on the land and that failure to comply does not, in this case, interfere with the purposes of the subdivision regulations.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Crystal, Minnesota that pursuant to the city's subdivision regulations and the provisions of Minnesota Statutes Section 462.358 (1984) a waiver is hereby granted to the city's subdivision regulations so as to allow the division of the lands described in Exhibit A into the two separate parcels described in Exhibit B without the need to plat such divided parcels.

Parcel Description

Lot 12, St. Denis Acres.

Tract 1:

That part of Lot 12, St. Denis Acres described as follows:

Beginning at the intersection of the east line of the west 33.00 feet of the Southwest Quarter of Section 4, Township 118, Range 21 and a line parallel with and distant 140.00 feet northerly from the southerly line of Lot 35, Auditor's Subdivision Number 328, thence North 00 degrees 30 minutes 03 seconds East, assumed basis for bearings, 239.56 feet along said east line of the west 33.00 feet of the Southwest Quarter of Section 4; thence North 89 degrees 49 minutes 00 seconds East 167.07 feet; thence North 00 degrees 30 minutes 03 seconds East 213.09 feet to the actual point of beginning of the tract to be described, which point shall be referred to as Point A; thence south along the last described course to its intersection with the south line of said Lot 12, St. Denis Acres which point shall be referred to as Point B; thence North along said course to Point A; thence North 89 degrees 49 minutes 00 seconds East to the Easterly line of Lot 12, St. Denis Acres; thence southeasterly along the said easterly line to the Southeast corner of Lot 12, St. Denis Acres, thence westerly along the southerly line of said Lot 12 to Point B and there terminating.

Tract 2:

Lot 12, St. Denis Acres except that part thereof described as follows:

Beginning at the intersection of the east line of the west 33.00 feet of the Southwest Quarter of Section 4. Township 118, Range 21 and a line parallel with and distant 140.00 feet northerly from the southerly line of Lot 35, Auditor's Subdivision Number 328, thence North 00 degrees 30 minutes 03 seconds East, assumed basis for bearings, 239.56 feet along said east line of the west 33.00 feet of the Southwest Quarter of Section 4; thence North 89 degrees 49 minutes 00 seconds-East 167.07 feet; thence North 00 degrees 30 minutes 03 seconds East 213.09 feet to the actual point of beginning of the tract to be described, which point shall be referred to as Point A; thence south along the last described course to its intersection with the south line of said Lot 12, St. Denis Acres which point shall be referred to as Point B; thence North along said course to Point A; thence North 89 degrees 49 minutes 00 seconds East to the Easterly line of Lot 12, St.

Denis Acres; thence southeasterly along the said easterly line to the Southeast corner of Lot 12, St. Denis Acres, thence westerly along the southerly line of said Lot 12 to Point B and there terminating.

RESOLUTION NO.

RESOLUTION WAIVING SUBDIVISION REQUIREMENT

WHEREAS, an application has been received requesting a waiver from the subdivision regulations of the city so as to allow the division of an existing lot of record into two separate parcels described by metes and bounds, and

WHEREAS, the legal description of the existing parcel is described in attached Exhibit A; and

WHEREAS, the legal description of the parcels created by such division are described in attached Exhibit B; and

WHEREAS, the applicant is desirous of conveying the separate parcel described in Exhibit B as Tract 1 to a third party but cannot do so without complying with the requirements of the city's subdivision regulations unless a waiver to such requirements is granted; and

WHEREAS, the city council, sitting as the Board of Adjustments and Appeals, finds that compliance with the requirements of the subdivision regulations involves an unusual hardship on the land and that failure to comply does not, in this case, interfere with the purposes of the subdivision regulations.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Crystal, Minnesota that pursuant to the city's subdivision regulations and the provisions of Minnesota Statutes Section 462.358 (1984) a waiver is hereby granted to the city's subdivision regulations so as to allow the division of the lands described in Exhibit A into the two separate parcels described in Exhibit B without the need to plat such divided parcels.

Tract 1:

That part of Lot 1, Block 1, Tex Sota Addition, according to the recorded plat thereof on file and of record in the office of the Registrar of Titles, in and for Hennepin County, Minnesota lying easterly of the following described line:

Commencing at the southwesterly corner of said Lot 1, Block 1, Tex Sota Addition, thence easterly along the south line of said lot 167.07 feet to the actual point of beginning of the line to be described, thence North 00 degrees 30 minutes 03 seconds East to the north line of said lot and block and there terminating.

Tract 2:

That part of Lot 1, Block 1, Tex Sota Addition, according to the recorded plat thereof on file and of record in the office of the Registrar of Titles, in and for Hennepin County, Minnesota lying westerly of the following described line:

Commencing at the southwesterly corner of said Lot 1, Block 1, Tex Sota Addition, thence easterly along the south line of said lot 167.07 feet to the actual point of beginning of the line to be described, thence North 00 degrees 30 minutes 03 seconds East to the north line of said lot and block and there terminating.

Exerpts from Park & Recreation Advisory Commission Meeting - July 10, 1985

Concerning Restroom Facilities:

 Motion: Mr. Genis - Moved to recommend that the Temporary Toilet Enclosure proposal that includes 2 locations on the west side of the park, 2 toilets per location and the screening of the enclosure be accepted for the Becker Park development.

Second: Ms. Reid

Motion carried: Unanimous

Concerning Fencing:

2. Motion: Mr. Genis - Moved to recommend to instruct a representative from from the city to contact the Burlington Northern Railroad to discuss the status of the fence bordering the railroad and park property, the city would upgrade and maintain the fence to be constructed at a 6 foot height and have slatting material. Second: Ms. Gates

Motion carried: Unanimous

Discussion:

Burlington Northern's cooperation in this project would eliminate the need for 2 fences and the hard-to-maintain "no'man's land" between the 2 fences. The railroad might be willing to share costs on the upgrading of the fence (new 6 foot slatted fence).

3. Motion: Mr. Genis - Moved to recommend that the HRA explore the extension of fencing bordering the park and the Brutger property of at least 325 feet with the possibility of fencing the whole boundary between the 2 properties. The fencing should be of similar type as the east side and have appropriate gateways. Second: Mr. Hoffmann Motion carried: Unanimous

Discussion:

There was much concern regarding the flow of people between the housing project and the park. Commissioner Geni's felt a fence would deter parents from sending their kids to park unsupervised. The fence would separate the park and public boundary and would keep people from cutting through the housing to get to the park. A fence would keep park litter from blowing into the housing property (during special events).

4. Motion: Mr. Genis - Moved to recommend that the bike routes be eliminated.

Second: Mr. Grimes

Motion carried: Unimous

July 10, 1985

TO: John T. Irving, City Manager

FROM: John A. Olson, Assistant City Manager

RE: Creation of City Logo

I received estimates from two art directors of advertising firms for the creation of a city logo. These art directors would be working for themselves and not for the agency. The information that I have received is that perhaps the costs would double if you went through the agency directly, however, in most cases the agency would turn over the work to the art director who would create the logo for them. In dealing with the art directors on a personal basis, we eliminate the cost of the agency involved.

Both of these persons are knowledgeable and have been recommended by a person I know who works for Colle-McVoy Advertising Agency.

Since the City Council did not specifically direct us to secure bids, perhaps this should be discussed with them to see if they wish to proceed this year and if so, if they need further information or further proposals.

I am sure both persons could do a more than adequate job.

John Olson City Of Crystal 4141 Douglas Dr. Crystal, MN 55422

Dear John,

Thanks once again for the opportunity to submit an estimate to develop a logotype for the City Of Crystal.

My prior experience in the advertising/design field includes work for the Following clients: International Minerals & Chemical Corporation, Webb Publishing, International Multifoods, Cessna Aircraft, Control Data Corporation and others.

I look forward to begin working on this project. You may reach me at the following phone numbers: 612-861-7181 (office), 612-941-0324 (home). Or, you may contact me in writing at 8924 Mt. Curve Rd., Bloomington, MN 55438. Thank you.

Sincerely,

Steve Sweitzer

SS/je

Estimate for the development of a logotype for the City Of Crystal and its application to letterhead, envelopes and business cards. Price includes research, conference and concept time, rough layouts, comprehensive layouts, materials, paper recommendations, etc.

\$2500.00

Not included in the above price, but necessary to prepare letterhead, etc. for printing:

T THE DIEG CE OF FILL STATE OF THE STATE OF	200.00 350.00* 185.00*
Total\$	3235.00

* These prices based on one version of letterhead, four versions of business cards and one version of envelope.

Steve Sweitzer 8924 Mt. Curve Rd. Bloomington, MN 55438

JOHN:

HERE IS AN ITEMIZED ESTIMATE FOR A NEW LOGO WITH APPLICATIONS FOR "THE CITY OF CRYSTAL"

CONCEPT: \$ 400. APT : \$ 150.

APPLICATIONS (LAYOUT ONLY: DOES NOT INCLUDE PINAL TYPE, STATS, CAMERA-READY ART.)

LETTERHEAD ENVELOPE

225.

BUSINESS CARD

EMBLEM: \$50.

MISC .. EXPENSES : \$75.

GRAND TOTAL: \$ 900.

Navy Coesciler

NANCY LEE SEILER.

AGREEMENT

THIS AGREEMENT made this ____ day of July, 1985 between the City of Crystal (City) a municipal corporation in the State of Minnesota and Mpls. Elks Lodge #44 , (Elks) a fraternal organization organized under the laws of the State of Minnesota,

WITNESSETH:

- 1. Various organizations in the City intend to conduct a civic celebration called "Crystal Frolics" (Frolics) during the period July 26 to July 28. Elks will participate in the Frolics.
- 2. City intends to render various services to participants in the Frolics including Elks.
- 3. City intends to make available its street department personnel for the purposes of cleaning and sweeping Elk's parking lot at 5410 Lakeland Avenue North, in the City, at various times on July 26, 1985 through and including July 29, 1985.
- 4. In consideration of the mutual understandings of the City and Elks, Elks hereby agree that it will hold harmless the City and any and all of City's officers, employees and agents and indemnify the City for and against any claim, action or suit of any nature whatsoever which may be brought against Elks, the City or any of its officers, employees or agents, or either of them jointly or severally, arising out of the activities of the City employee's conduct of said cleaning, sweeping and related activities at the Elks parking lot site.

IN WITNESS Whereof, the City and Elks have caused the Agreement to be executed by their duly authorized officers as of the date written above.

CITY OF CRYSTAL

MINNEAPOLIS ELKS LODGE #44

Ву____

Its

MEMORANDUM

TO: John T. Irving, City Manager

FROM: Roger M. Olson, City Assessor

SUBJECT: 1985 Assessed Valuation Estimate

DATE: July 11, 1985

Real Property 6-12-85 run shows		126,984,564
Personal Property Estimate	Property Estimate +	
Fiscal Disparities Net Gain Estimate	+	12,300,000
Adjustment to Residential Assessment Classification Ratios	-	910,000
Tax Increment Estimate	-	1,500,000
		139,574,564

Use 139,000,000 Assessed Valuation for Budgetary Projections for 1985 payable 1986.

This is my best estimate based on figures available as of July 11, 1985.

cc: John Olson Miles Johnson

MEMORANDUM

TO: John T. Irving, City Manager

FROM: Roger M. Olson, City Assessor

SUBJECT: Loss of Fiscal Disparities

DATE: July 16, 1985

If Fiscal Disparities had not been in effect for the Real Estate Taxes payable in 1985, the following would have resulted.

Home Value Homestead	Current 1985 Tax Homestead	Tax Without Fiscal Disparities	Increase In Tax	
\$ 90,000.00	\$ 1,489.79	\$ 1,700.48	+ \$210.69	
80,000.00	1,161.60	1,339.98	+ 178.38	
70,000.00	833.41	979.48	+ 146.07	
60,000.00	542.47	645.41	+ 102.94	