

Larson Associates USA, Inc.  
 1200 Commerce Drive  
 Suite 120  
 Plano, Texas 75093  
 Phone (972) 612-1373  
 Fax



www.larsonusa.com

# ESTIMATE

Estimate # 21-068

Date: 4/15/2021

Bill To

City of Allen  
 Accounts Payable C/O Sid Hudson  
 305 Century Parkway  
 Allen, TX 75013

P.O. No.	Terms	Due Date	Rep	Project
	30% Down - Remaini...	4/15/2021	PML	
Description	Qty	Rate	Total	
Police Department Headquarters Public Safety BDA System - 2 Hour Rated Donor and Main Feed Cabling - Radiax Interior Distribution.				
FIPLEX 30-DH7S-D-7S27B CLASS B	1	5,283.45	5,283.45	
DIGITAL SIGNAL BOOSTER. PS 800 + 700 MHz + FirstNet, Dual Band				
30-BTTY-100100 24hr Backup FLEX BBU. Battery backup, 100W, 100Ah capacity, NFPA Compliant	1	3,955.95	3,955.95	
External Annunciator for Flex BBU one box solution, with dry contacts	1	1,230.74	1,230.74	
Plenum Rated CAT5 Cable including support hangers - Routed from BDA to Fire Control Panel	1	185.00	185.00	
30A Twist lock circuit installed from electrical closet to BBU / BDA Storage Room	1	750.00	750.00	
Roof Top Penetration - Subcontract Commercial Roofing Company	1	1,180.00	1,180.00	
Dry Wall Penetration/Sleeves	8	75.00	600.00	
RFS 2HB12-50JPLR DRAGONSKIN™ 1/2"	45	100.00	4,500.00	
FIRE-RESISTANT UL 2196 CERTIFIED STANDALONE COAXIAL CABLE				
2" EMT Conduit	4	44.43	177.72	
2" EMT Conduit Fittings, Hangers and Accessories	1	85.00	85.00	
Concrete Coring - For Conduit path to 1st floor	1	1,275.00	1,275.00	
NM-LCF12-C03 Connector	4	17.405	69.62	
746-896 MHz Yagi Antenna (11 dBi), 48deg Horizon	1	174.64	174.64	

**Subtotal**

**Sales Tax (0.0%)**

**Total**

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office@larsonusa.com

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Non-Penetrating Roof Mount Kit - Includes Rubber Pad, Cinder Blocks and Grounding	1	185.00	185.00	
LMR600 Coax - Rooftop UV Rated Cable	35	2.56	89.60	
EZ600 NM Connector	2	18.88	37.76	
1.25" Rigid Galvanized Conduit for Rooftop run	30	8.06067	241.82	
DURA-BLOK Pipe Support Block, Recycled Rubber-Conduit Support, Including Conduit Clamps	5	71.956	359.78	
DC Blocked Coaxial Lightning Protector with N-Female connector, 20-1000 MHz	1	52.81	52.81	
NEMA4 Box for Surge Arrestor	1	268.45	268.45	
Trilogy Radiax AP6012J50 AirCell® Plenum Radiating, 1/2", 50 Ohm, Corrugated, Jacketed CMP, Conforms to NFPA-262, UL-444, Canadian CSA 22.2/FT6	300	1.35	405.00	
NMP01250 AirCell® 50 Ohm Connectors	6	20.14	120.84	
In-Building Antenna REM-800B BNC 700-900 MHz including N Female to BNC Female Adapter	3	36.28667	108.86	
Radiax Hangers, Installation Supplies and Cable Labels		250.00	250.00	
Splitter / Decoupler	2	60.00	120.00	
Public Safety Plackards / Signage	1	185.00	185.00	
2018-0194-C--01-01 Labor Rate per Man Hour	172	108.15	18,601.80	
Fire Alarm Subcontractor	1	6,382.62	6,382.62	
Protegis Fire & Safety will facilitate the installation of a 8 monitor Module to monitor the ANN-004 – Remote Annunciator by main Fire Alarm Panel. It is assumed that the existing panel has the capability to except the additional device. If that is found not to be true during the install phase, additional pricing may be required.				

**Subtotal** \$46,876.46  
**Sales Tax (0.0%)** \$0.00  
**Total** \$46,876.46

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