RFQ Questions and Responses 19-20-01 Electrical Engineer

Building 700 Transformer Replacement

Question: What is the reason for the replacement of the transformers? Age? Capacity?
Response: Primarily Age but future capacity may be a consideration

Question: Is it expected to replace the transformers with a transformer of same capacity?
Response: This is to be determined by a qualified Electrical Engineer

Question: Is the plan to reuse existing primary and secondary feeders?
Response: These were replaced 2 years ago so unlikely but this is to be determined by a qualified Electrical Engineer

Question: What is the kVA capacity, primary and secondary voltage of the transformer are being replaced?
Response: See photos attached

Question: Is there a requirement to plan for temporary power while the transformers are being replaced?
Response: Yes

Question: Are there as-built drawings that can be shared?
Response: We have an as-built titled "High Voltage Feeder Replacement" dated 9-25-17 and the original building plans from 1961

Question: Please confirm the replacement is for additional electrical service capacity or for equipment damage or for service ability.
Response: Primarily Age but future capacity may be a consideration

Question: Will the high voltage supply circuits to these transformers require modifications or upgrades?
Response: These were replaced 2 years ago so unlikely but this is to be determined by a qualified Electrical Engineer

Question: Will the service conduit/conductors to the building require modification upgrades?
Response: This is to be determined by a qualified Electrical Engineer

Question: Will the service/distribution equipment fed from these transformers require modification or repair
Response: This is to be determined by a qualified Electrical Engineer

Question: Do campus or district standards require dry type or liquid-filled: completely self-protected or primary load interrupter switch equipment's.
Response: no district standard is currently in place This is to be determined by a qualified Electrical Engineer

Question: Are the transformers located indoors or outdoors in an equipment yard?
Response: outdoors in a fully accessible vented enclosure

RFQ Questions and Responses 19-20-01 Electrical Engineer

Exterior Lighting Upgrades

Question: Do the exterior lighting upgrades for the track include sports lighting? If so, provide athletic division and any spectator requirements.
Response: yes, the extent shall be determined by design professionals in the programming phase of the project

Question: Is there an intent for the lighting upgrade to include the center of the track for the field events?
Response: This shall be determined by design professionals in the programming phase of the project

Question: Is there existing campus lighting standard (fixtures, controls).
Response: There is no current district standard

Question: Are there existing perimeter lighting that will need to be replaced or will all this be new design?
Response: New design

Question: Are there any site lighting as-built drawings that can be shared?
Response: The original 1961 plans will be provided

Question: Will you be providing drawings and /or sq. ft. for the exterior lighting project?
Response: This shall be determined by design professionals in the programming phase of the project

Question: Please confirm if "track" also requires "athletic field" lighting and/or controls.
Response: Yes, and the extent shall be determined by design professionals in the programming phase of the project

Question: Does the campus or district have specific lighting performance or aesthetic standards?
Response: This shall be determined by design professionals in the programming phase of the project

Question: Please confirm that compliance to California Title 24 shall be a requirement?
Response: This shall be determined by design professionals in the programming phase of the project

PHOTOS OF EXISTING TRANSFORMER IDENTIFICATION PLATES ATTACHED BELOW

NIAGARA TRANSFORMER CORP.

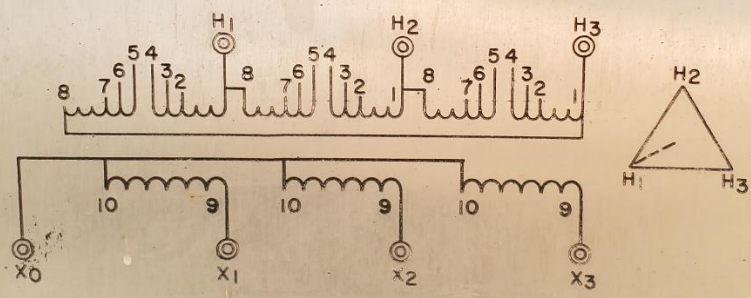
BUFFALO, NEW YORK, U.S.A.

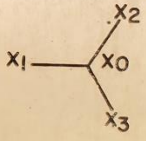
KVA	225	60 CYCLE	SERIAL NO.	[illegible]	
H.V.	4160 Δ		CORE & COILS	1250	LBS.
L.V.	208Y/120	65 °C. RISE	TANK & FITTINGS	1100	LBS.
H.V. BIL	[illegible]	L.V. BIL	UNTANKING	1250	LBS.
3	PHASE	CLASS	LIQUID	500	LBS.
%IMP.	[illegible]	AT	APPROX. TOTAL WT.	2850	LBS.
INSTRUCTION BOOK NO.	[illegible]		TRANSFORMER FILLED WITH		
			[illegible]	GALS.	MINERAL OIL

H.V. CONNECTION

VOLTS	AMPS	TC ON	CONNECTS
[illegible]	[illegible]	A	4—5
[illegible]	[illegible]	B	3—5
[illegible]	[illegible]	C	3—6
[illegible]	[illegible]	D	2—6
[illegible]	[illegible]	E	2—7

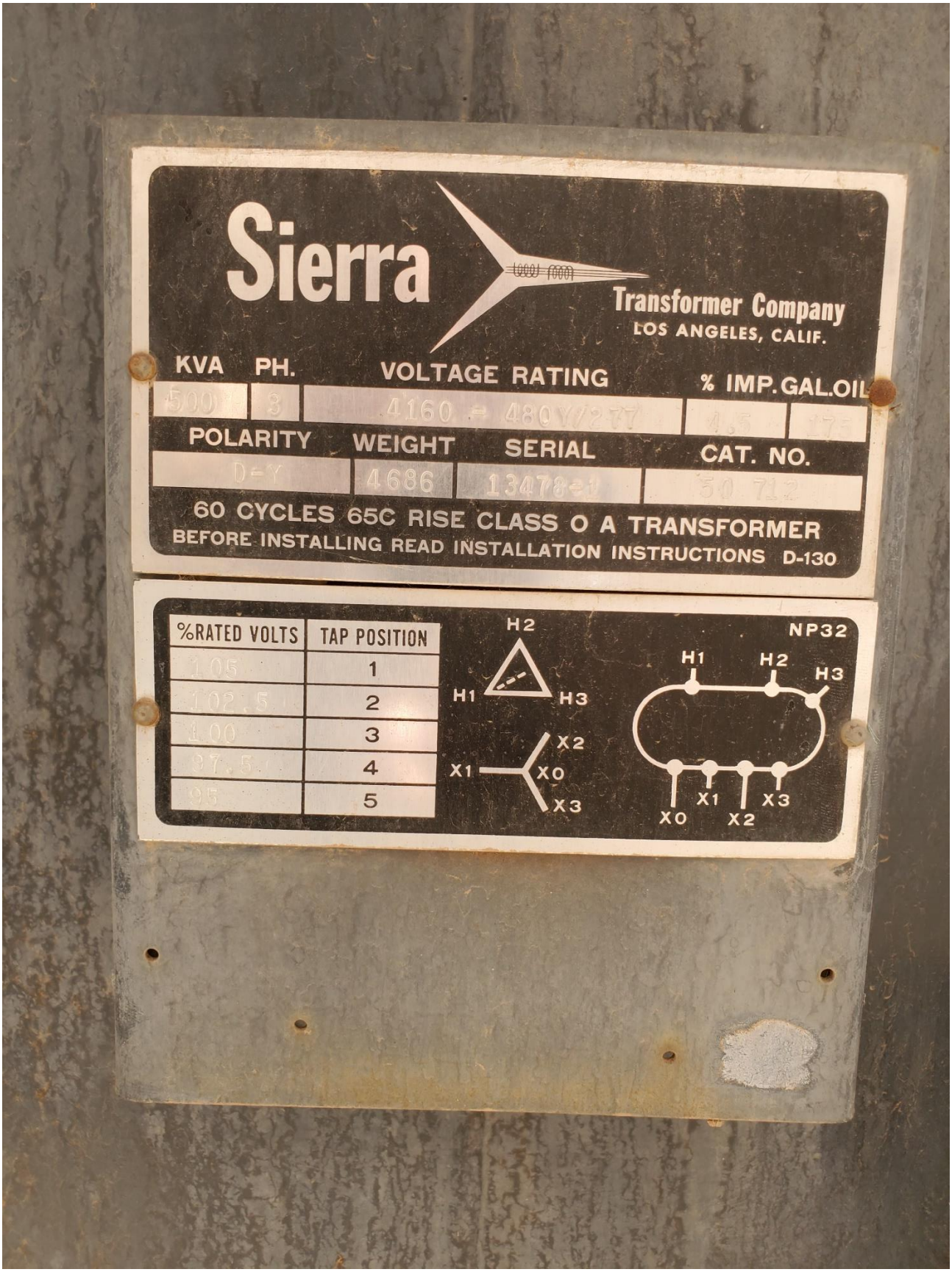
CAUTION: DO NOT CHANGE TAPS WITH TRANSFORMER ENERGIZED





FORM B-1-3C

J 3003


Sierra
Transformer Company
LOS ANGELES, CALIF.
KVA
PH.
VOLTAGE RATING
% IMP.
GAL.OIL
500
3
4160 - 480Y/277
POLARITY
WEIGHT
SERIAL
CAT. NO.
D-Y
4686
60 CYCLES 65C RISE CLASS O A TRANSFORMER
BEFORE INSTALLING READ INSTALLATION INSTRUCTIONS D-130
%RATED VOLTS
TAP POSITION
105
1
102.5
2
100
3
97.5
4
95
5
H2
H1
H3
X2
X1
X0
X3
NP32
H1
H2
H3
X1
X3
X0
X2