

STATUS

TENDER ISSUE

NOTES

LIGHTING

REFER TO LUMINAIRE DATASHEETS AND SPECIFICATION FOR DETAILS

- U1

U1 - INGROUND LINEAR LED LUMINAIRE 1224mm
- U2

U2 - INGROUND LINEAR LED LUMINAIRE 924mm
- U2-W

U2W - INGROUND LINEAR LED LUMINAIRE 924mm, WIDE BEAM
- U3

U3 - SURFACE MOUNTED LINEAR RGB LED LUMINAIRE, 30 x 60
- U3-W

U3-W - SURFACE MOUNTED LINEAR RGB LED LUMINAIRE, 60 x 60
- U4

U4 - SURFACE MOUNTED LINEAR LED LUMINAIRE 1224mm
- U5

U5 - SURFACE MOUNTED LINEAR LED LUMINAIRE 924mm
- S1

S1 - POLE MOUNTED RGB LED SPOTLIGHT, 8 DEGREE
- S1-W

S1-W - POLE MOUNTED RGB LED SPOTLIGHT, 41 DEGREE
- S1-E

S1-E - POLE MOUNTED RGB LED SPOTLIGHT, 10 x 41 DEGREE
- S2

S2 - PIPE MOUNTED RGB LED SPOTLIGHT, 8 DEGREE
- S3

S3 - SURFACE MOUNTED LED SPOTLIGHT, OVAL FLOOD
- EXISTING SURFACE MOUNTED DOWNLIGHT
- S4

S4 - SURFACE MOUNTED RGB LED SPOTLIGHT, 40 DEGREE
- S5

S5 - PIPE MOUNTED WARM WHITE LED SPOTLIGHT, 14 DEGREE
- S5-M

S5-M - PIPE MOUNTED WARM WHITE LED SPOTLIGHT, 23 DEGREE
- E

EXISTING LED FLOODLIGHT
- W1-A

W1-A - SURFACE MOUNTED RGB LED FLOODLIGHT, 60 x 30 DEGREE
- W1-M

W1-M - SURFACE MOUNTED RGB LED FLOODLIGHT, 40 x 40 DEGREE

SCOPE OF WORKS

THE CONTRACT WORKS MUST INCLUDE THE INSTALLATION, COMMISSIONING, TESTING, CERTIFICATION AND WARRANTY OF THE ELECTRICAL SERVICES AS SPECIFIED AND INDICATED ON THE DRAWINGS AND SPECIFICATION. THE EXTENT OF WORK INCLUDES BUT NOT LIMITED TO THE FOLLOWING:

- CONTRACTOR TO PROVIDE ON A MONTHLY BASIS AN UPDATE OF CONTRACTORS DELIVERABLES REGISTERS OUTLINING INFORMATION SUCH AS TECHNICAL SUBMITTALS, SAMPLE SUBMISSIONS, WORKSHOP DRAWINGS AND INSPECTION & HOLD POINTS
- NEW LIGHTING CONTROLS AND PANELS
- LUMINAIRES, INCLUDING LAMPS AND CONTROL GEAR
- MOUNTING SYSTEMS AND BLOCK OUTS FOR LUMINAIRES - ACCURATE SHOP DRAWINGS REQUIRED FOR MOUNTING SYSTEMS AND BLOCKOUTS. DETAILS SHOWN ON DRAWINGS ARE INDICATIVE ONLY.
- LIGHTING CONTROL SYSTEMS.
- EXTERNAL & INTERNAL LIGHTING.
- DISCONNECTION, DEMOLITION AND REMOVAL/RECYCLING OF EXISTING REDUNDANT POWER AND LIGHTING SERVICES FROM THE SITE AS REQUIRED.
- ENGAGE AND COORDINATE WITH POLE MANUFACTURER FOR REPLACEMENT POLES.
- MOCK-UPS AND PROTOTYPES OF PROPOSED LIGHTING (WHERE REQUIRED).
- COORDINATION WITH EXISTING SERVICES AND INFRASTRUCTURE.
- COORDINATION WITH STRUCTURAL AND ARCHITECTURAL SERVICES.
- ENGAGE AND COORDINATE WITH SECURITY CONTRACTOR DURING REPLACEMENT OF POLES HOUSING SECURITY CAMERAS IN NORTHERN AND WESTERN PRECINCTS.
- COORDINATION WITH ALL REGULATORY AUTHORITIES OUTLINED IN CHAPTER 1.2
- TEMPORARY LIGHTING NECESSARY FOR SITE SAFETY LIGHTING DURING CONSTRUCTALL NEW LIGHTING IS FINALLY COMMISSIONED.
- TESTING AND COMMISSIONING.
- WORKSHOP DRAWINGS.
- AS BUILT MANUALS AND DRAWINGS (TO HCA SPECIFICATION AND TITLE BLOCK).
- OPERATION/USER MANUALS.
- TRAINING.
- WARRANTIES.
- 12 MONTHS DEFECTS LIABILITY.
- 12 MONTHS PREVENTATIVE MAINTENANCE.

ELECTRICAL WORK ASSOCIATED WITH IMPLEMENTATION OF LIGHTING DESIGN

- SWITCHBOARDS AND DISTRIBUTION BOARDS MODIFICATIONS.
- CABLE TRAYS LADDERS, CONDUITS, PITS AND CABLE CONTAINMENT
- CABLES, WIRING SYSTEMS.
- GENERAL POWER SOCKET OUTLETS AND PERMANENT CONNECTIONS.
- POWER FOR OTHER TRADES AS REQUIRED.
- RCD PROTECTION.
- PVC MINIMISATION
- RELOCATION OF SERVICES TO SUIT NEW SECURITY CAMERA LOCATION.
- ALL WORKS AND EQUIPMENT OF A MINOR NATURE NOT SPECIFICALLY MENTIONED BUT NECESSARY FOR THE OPERATION OF THE ABOVE MENTIONED EQUIPMENT AND SYSTEMS.

STAGING

THE WORKS ARE TO BE EXECUTED IN TWO STAGES. THE CONTRACTOR IS TO UNDERTAKE THE WORKS IN ACCORDANCE WITH THE PROJECT STAGING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACHIEVE THE STAGING TARGETS ESTABLISHED BY THE SUPERINTENDENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THEY ARE FAMILIAR WITH ALL ASPECTS AND REQUIREMENTS OF EACH STAGE PRIOR TO COMMENCING ANY OF THE STAGE ONE WORKS.

AS PART OF THE SCOPE OF WORKS, THE CONTRACTOR MUST DEVELOP A DETAILED PROGRAMME AND SEQUENCE OF WORKS INCLUDING ANY CRITICAL / HIGH RISK WORKS THAT MAY CAUSE DISRUPTION TO THE FACILITY. THIS MUST BE SUBMITTED TO AND AGREED UPON BY THE SUPERVISOR PRIOR TO COMMENCEMENT OF WORKS ON SITE.

AS PART OF THE TENDER PROCESS, THE CONTRACTOR IS TO PROVIDE COSTING FOR THE TWO STAGES SEPARATELY. THIS SHOULD BE REFLECTED THE SCHEDULE OF RATES.

STAGE ONE:

STAGE ONE CONSISTS OF THE WORKS LISTED BELOW IN THE FOLLOWING AREAS:

- REMOVAL AND REPLACEMENT OF EXISTING HCA NORTH EASTERN POLE AND LUMINAIRES WITH NEW POLE 3 INCLUDING TYPE S1 LUMINAIRES AND RELOCATION OF SERVICES TO NEW POLE 3. REFER TO DRAWINGS L3000 AND L1008
- SUPPLY AND INSTALLATION OF NEW POLE 4 WITH TYPE S1-E AND S1-W LUMINAIRES AND CAMERAS AS SHOWN ON L3000 AND L1010.
- REMOVAL OF THE EXISTING HCA NORTH WESTERN POLE AND LUMINAIRES AND RELOCATION OF SERVICES TO NEW POLE 4. REFER TO DRAWING L3000
- SUPPLY AND INSTALLATION OF NEW POLE 5 WITH TYPE TYPE S1-E LUMINAIRES AND CAMERAS AS SHOWN ON DRAWINGS L3000 AND L1011
- REMOVAL OF EXISTING HCA WESTERN POLE AND RELOCATION OF SERVICES TO NEW POLE 5. REFER TO DRAWING L3000.
- DECOMMISSIONING AND REMOVAL OF EXISTING NCA URBAN POLE ON PARKES PLACE (NEAR THE FOOTBRIDGE TO NGA) AND INSTALLATION OF NEW POLE 1 WITH TYPE S1 LUMINAIRES IN THIS LOCATION. REFER TO DRAWING L3001
- REMOVAL OF THE EXISTING HCA SOUTH EASTERN POLE AND LUMINAIRES (NEAR THE FOOTBRIDGE TO NGA) AND RELOCATION OF SERVICES TO NEW POLE 1. REFER TO DRAWING L3001 AND L1008.
- DECOMMISSIONING AND REMOVAL OF EXISTING NCA POLE ON PARKES PLACE (NEAR GRIDLINE Y46.9) AND INSTALLATION OF NEW POLE 2 WITH TYPE S1 LUMINAIRES IN THIS LOCATION. REFER TO DRAWING L3001 AND L1009
- REMOVAL AND REPLACEMENT OF EXISTING LIGHTING WITH TYPE S2 LUMINAIRES ON THE PROTOTYPE BUILDING. REFER TO DRAWING L3001
- DECOMMISSIONING AND REMOVAL OF EXISTING FLOODLIGHT LIGHTING THE SOUTHERN FORECOURT. OBTAIN SECURITY APPROVAL PRIOR TO DECOMMISSIONING OF EXISTING LUMINAIRE. REFER TO DRAWING L3001
- SUPPLY AND INSTALLATION OF TYPE U3 LUMINAIRES ON FORECOURT LEVEL WESTERN SIDE. REFER TO L3002
- SUPPLY AND INSTALLATION OF TYPE S2 AND S5-M LUMINAIRES ON THE INTERNAL TRUSSING AT LEVEL 7a HEIGHT ADJACENT TO THE SOUTHERN FACADE GLAZING. REFER TO L3002
- SUPPLY AND INSTALLATION OF BRACKETS AND TYPE W1-M LUMINAIRES ON THE LEVEL 6 ROOFTOP. REFER TO DRAWING L3002
- SUPPLY AND INSTALLATION OF BRACKETS AND TYPE W1-M, W1-A, U3, U3-W LUMINAIRES ON THE ROOFTOPS. REFER TO DRAWING L3003

THESE WORKS INCLUDE INSTALLATION AND COMMISSIONING OF ALL ACCESSORIES, ALL CABLING AND CONTROL GEAR AND INTERFACES REQUIRED FOR A FULLY FUNCTIONING AND OPERATIONAL SYSTEM AS OUTLINED IN THIS SPECIFICATION.

EXISTING FLOODLIGHTS LIGHTING THE BUILDING FACADES AND SECURITY CAMERAS SHALL REMAIN OPERATIONAL UNTIL THE NEW FACADE LIGHTING, AS PART OF STAGE 1, HAS BEEN INSTALLED AND COMMISSIONED AND THE REDUNDANCY OF THE EXISTING LUMINAIRES IS CONFIRMED BY HCA SECURITY.

STAGE TWO:

STAGE TWO CONSISTS OF THE INSTALLATION AND COMMISSIONING OF THE FOLLOWING AREAS:

- SUPPLY AND INSTALLATION OF CONCRETE FOOTINGS AND TYPE U1, U2 AND U2-W LUMINAIRES LIGHTING THE COLUMNS OF THE EASTERN AND NORTHERN FACADES. REFER TO DRAWINGS L3004 AND L3005
- DECOMMISSIONING AND REMOVAL OF EXISTING FLOOD LIGHT AND COLUMN MOUNTED DOWNLIGHTS NEAR THE EASTERN ENTRY. REFER TO DRAWING L3004 AND L3005
- SUPPLY AND RETROFIT LED ENGINES INTO EXISTING DOWNLIGHTS MOUNTED ON UNDERSIDE OF EASTERN SOFFIT NEAR SECURITY ENTRY. REFER L3005
- SUPPLY OF MOUNTING BRACKETS AND INSTALLATION OF TYPE U4 LUMINAIRES ON WALL OF SOUTHERN STAIRWELL. REFER TO DRAWING L3005
- SUPPLY AND INSTALLATION OF CONCRETE FOOTINGS AND TYPES U1, U2 AND U2-W LUMINAIRES ON FORECOURT LEVEL SOUTHERN AND WESTERN SIDES. REFER TO DRAWING L3006
- DECOMMISSIONING AND REMOVAL OF EXISTING FLOOD LIGHT AND SURFACE MOUNTED DOWNLIGHTS IN WESTERN FORECOURT AREA. REFER TO DRAWING L3006
- SUPPLY AND INSTALLATION OF TYPES S3, U4 AND U5 LUMINAIRES ON LEVEL 3 NORTHERN BALCONY. REFER TO DRAWING L3007
- SUPPLY AND INSTALLATION OF TYPE W1-A LUMINAIRES ON LEVEL 4 WESTERN BALCONY. REFER TO DRAWING L3007
- SUPPLY AND INSTALLATION OF TYPE U3 LUMINAIRES ON LEVEL 10 BALCONY. REFER TO DRAWING L3007
- SUPPLY AND INSTALLATION OF TYPES U3 AND S4 LUMINAIRES ON LEVEL 9 BALCONIES. REFER TO DRAWING L3008

THESE WORKS INCLUDE INSTALLATION AND COMMISSIONING OF ALL ACCESSORIES, ALL CABLING AND CONTROL GEAR AND INTERFACES REQUIRED FOR A FULLY FUNCTIONING AND OPERATIONAL SYSTEM AS OUTLINED IN THE SPECIFICATION.

DECOMMISSIONED LUMINAIRES AND HARDWARE SHOULD BE RETURNED TO THE HCA FOR THE OPPORTUNITY TO SALVAGE EQUIPMENT.

SWITCHING

- MOVEMENT SENSOR
- EP12

EP2

SWITCH PANEL - LIGHTING CONTROL PANEL
- PE

PHOTOELECTRIC CELL

AMENDMENTS		
REV	DESCRIPTION	DATE
A	TENDER ISSUE	20.02.14
B	REVISED TENDER ISSUE	15.04.14
C	REVISED TENDER ISSUE	06.09.14

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HCA

High Court of Australia
Canberra ACT
for and on behalf of
The National Capital
Development Commission

PROJECT
HIGH COURT OF AUSTRALIA
FACADE LIGHTING UPGRADE

PARKES PL. PARKES - ACT

DRAWING TITLE
LIGHTING
LEGEND AND SCOPE OF WORKS

AO			
CREATED	DRAWN	DESIGNED	CHECKED
DEC'13	AZ	SL	EU
APPROVED	SCALE	NORTHPOINT	
EU	1 : 1		
PROJECT No.	DRAWING No.	REVISION	
13771	L1001	C	