

NOTES FOR CONSTRUCTION WITHIN STATE RIGHT-OF-WAY:

- 1. CONTRACTOR SHALL OBTAIN A CONSTRUCTION PERMIT FROM STATE'S HIGHWAY DISTRICT ENGINEER AT 727 KAKOI STREET PRIOR TO COMMENCEMENT OF WORK WITHIN THE STATE RIGHT—OF—WAY.
- 2. CONSTRUCTION & RESTORATION OF ALL EXISTING HIGHWAY FACILITIES WITHIN STATE RIGHT—OF—WAY SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE CURRENT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", & THE "SPECIFICATION FOR INSTALLATION OF MISCELLANEOUS IMPROVEMENTS WITHIN STATE HIGHWAYS", OF THE STATE HIGHWAYS DIVISION.
- 3. ALL LANES SHALL BE OPEN TO TRAFFIC DURING MORNING PEAK HOURS FROM 6:00 AM TO 9:00 AM & DURING AFTERNOON PEAK HOURS FROM 3:00 PM TO 6:30 PM, & DURING OFF-WORK HOURS. ONLY ONE LANE OF VINEYARD BLVD. IN EACH DIRECTION SHALL BE CLOSED AT ANY OTHER TIME.
- 4. CONTRACTOR SHALL PROVIDE, INSTALL & MAINTAIN ALL NECESSARY SIGNS, LIGHTS, BARRICADES, MARKERS, CONES, CONES, COTHER PROJECTIVE FACILITIES & SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION & FOR THE CONVENIENCE & SAFETY OF PUBLIC TRAFFIC. ALL SUCH PROTECTIVE FACILITIES & PRECAUTIONS TO BE TAKEN SHALL CONFORM WITH THE "ADMINISTRATIVE RULES OF HAWAII GOVERNING THE USE OF TRAFFIC CONTROL DEVICES AT WORK SITES ON OR ADJACENT TO PUBLIC STREETS & HIGHWAYS" ADOPTED BY THE DIRECTOR OF TRANSPORTATION, & THE CURRENT U.S. FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS & HIGHWAYS, PART VI TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION & MAINTENANCE OPERATIONS". IF LANE CLOSURES ARE REQUIRED DURING CONSTRUCTION, A TRAFFIC CONTROL PLAN SHALL BE INCORPORATED INTO THE CONSTRUCTION PLANS AND MUST BE APPROVED BY THE DIVISION PRIOR TO THE ISSUANCE OF THE PERMIT.
- 5. ALL REGULATORY, GUIDE & CONSTRUCTION SIGNS AND BARRICADES SHALL BE OF HIGH INTENSITY REFLECTIVE SHEETING.

- NO MATERIAL AND/OR EQUIPMENT SHALL BE STOCKPILED OR OTHERWISE STORED WITHIN HIGHWAY RIGHT-OF-WAY EXCEPT AT LOCATIONS DESIGNATED IN WRITING & APPROVED BY THE DISTRICT ENGINEER.
- 7. CONTRACTOR SHALL BE REQUIRED TO PROVIDE ADEQUATE, SAFE, NON-SKID BRIDGING MATERIAL OVER TRENCHES, INCLUDING SHORING, WHEN TRENCHING IN PAVEMENT AREAS TO HANDLE ALL TYPES OF VEHICULAR TRAFFIC. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF TRENCHING MATERIAL AND DETAIL FOR APPROVAL BY ENGINEER.
- 8. LONGITUDINAL DRAINAGE ALONG THE HIGHWAY SHALL BE MAINTAINED.

TRAFFIC NOTES FOR CITY STREETS

- A. A PERMIT SHALL BE OBTAINED FROM THE DEPT. OF TRANSPORTATION SERVICES BEFORE WORK ON ANY PORTION OF A PUBLIC STREET OR HIGHWAY MAY BEGIN.
- B. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL NECESSARY SIGNS AND OTHER PROTECTIVE FACILITIES, WHICH SHALL CONFORM TO THE "RULES AND REGULATIONS GOVERNING THE USE OF TRAFFIC CONTROL DEVICES AT WORK SITES ON OR ADJACENT TO PUBLIC STREETS AND HIGHWAYS" ADOPTED BY THE HIGHWAY SAFETY COORDINATOR, AND THE FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, PART IV TRAFFIC CONTROLS FOR HIGHWAY CONTRUCTION AND MAINTENANCE OPERATIONS".
- DURING NON-WORKING HOURS, ALL LANES SHALL BE OPEN TO TRAFFIC AND ALL EXCAVATION WITHIN THE PUBLIC RIGHTS OF WAY SHALL BE COVERED WITH A SAFE NON-SKID BRIDGING MATERIAL.
- AS REQUIRED BY THE DEPT. OF TRANSPORTATION SERVICES, THE CONTRACTOR SHALL PROVIDE OFF-DUTY POLICE OFFICERS TO CONTROL THE FLOW OF TRAFFIC.
- E. WHERE PEDESTRIAN WALKWAYS EXIST, THEY SHALL BE MAINTAINED IN PASSABLE CONDITION OR OTHER FACILITIES FOR PEDESTRIANS SHALL BE PROVIDED. PASSAGE BETWEEN WALKWAYS AT INTERSECTIONS SHALL LIKEWISE BE PROVIDED.
- F. DRIVEWAYS SHALL BE KEPT OPEN UNLESS THE OWNERS OF THE PROPERTY USING THESE RIGHTS-OF-WAY ARE OTHERWISE PROVIDED FOR SATISFACTORILY.
- WITHIN STREET RIGHTS—OF—WAY EXCEPT AT LOCATION DESIGNATED IN WRITING AND APPROVED BY THE DEPARTMENT OF TRANSPORTATION SERVICES.
- THE CONTRACTOR SHALL NOTIFY M.T.L. KENNETH HONG AT 532—7066, TWO WEEKS PRIOR TO CONSTRUCTION, INFORMING HIM OF THE LOCATION, SCOPE OF WORK, PROPOSED CLOSURE OF ANY STREET OR TRAFFIC LANES, AND THE NEED TO RELOCATE ANY BUS STOP.

GENERAL NOTES

- A. ALL CONSTRUCTION WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, HIGHWAY DIVISION, DEPT. OF TRANSPORTATION, DATED 1985 AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
- B. THE LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THEIR LOCATION AND SHALL BE RESPONSIBLE FOR ANY DAMAGES TO THESE UTILITIES AS A RESULT OF HIS OPERATIONS. ADJUSTMENTS TO THE NEW TRAFFIC SIGNAL STANDARD LOCATIONS, IF REQURIED, SHALL BE MADE TO PROVIDE THE REQUIRED CLEARANCES.
- C. UNDERGROUND UTILITIES SHOWN HEREON ARE FOR INFORMATION ONLY. NO GUARANTEE IS MADE ON THE ACCURACY OR COMPLETENESS OF SAID INFORMATION.

GENERAL NOTES CONT'D .:

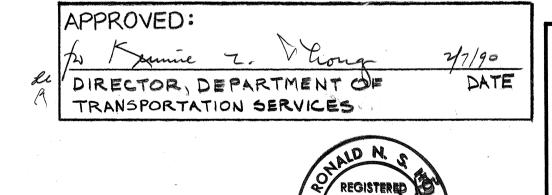
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	984-01-89	1991	18	28

- D. EXISTING STREET LIGHTING, FIRE ALARM AND TRAFFIC SIGNAL FACILITIES SHALL BE MAINTAINED IN OPERATING CONDITION THROUGHOUT THE CONSTRUCTION OF THE PROJECT.

 ALL ADJUSTMENTS REQUIRED ON THESE LINES FOR THE PROPER CONSTRUCTION OF THE PROJECT SHALL BE DONE BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE STATE.
- E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANING AND REMOVAL OF ALL SILT AND DEBRIS GENERATED, DEPOSITED AND ACCUMULATED WITHIN DOWNSTREAM WATERWAYS, DITCHES, DRAIN PIPES, AND ON PUBLIC ROADWAYS. THE CONTRACTOR AGREES TO REIMBURSE THE CITY AND COUNTY OF HONOLULU FOR ALL COSTS EXPECTED IN THE PERFORMANCE OF THE ABOVE WORK IF REQUIRED FOR PUBLIC HEALTH AND SAFETY OR MADE NECESSARY BY NON-PERFORMANCE BY THE CONTRACTOR.
- F. THE CONTRACTOR, AT HIS EXPENSE, SHALL KEEP THE PROJECT AND SURROUNDING AREAS FREE FROM DUST NUISANCE. THE COST FOR SUPPLEMENTARY MEASURES WHICH WILL BE REQUIRED BY THE CITY AND COUNTY OF HONOLULU OR BY THE STATE SHALL BE BORNE BY THE CONTRACTOR.
- G. COORDINATE DEMOLITION WORK WITH RESPECTIVE UTILITY COMPANIES TO ALLOW THEM SUFFICIENT TIME TO ACCOMPLISH THEIR WORK, AND NOT TO CONFLICT WITH THEIR WORK SCHEDULE.

ELECTRICAL & MAINTENANCE SERIVCE DIVISION NOTES

- A. THE CONTRATOR SHALL NOTIFY THE TRAFFIC SIGNALS SECTION, DEPARTMENT OF TRANSPORTATION SERVICES, CITY AND COUNTY OF HONOLULU (PH: 523-4961) A MINIMUM OF 72 HOURS PRIOR TO COMMENCING ANY CONSTRUCTION WITHIN ANY SIGNALIZED INTERSECTION.
- B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING TRAFFIC SIGNAL CONDUITS AND LOOP DETECTORS. ALL DAMAGES SHALL BE REPAIRED BY THE CONTRACTOR. THE COST SHALL BE INCIDENTAL TO THE VARIOUS BID ITEMS.
- C. EXISTING TRAFFIC SIGNAL EQUIPMENT INDICATED TO BE REMOVED, SHALL INCLUDE TRAFFIC SIGNAL HEADS, POLE STANDARDS, TRAFFIC CONTROL CABINETS, WIRING AND ASSOCIATED APPURTENANCES. COST OF REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE "DEMOLITION WORK" OF THIS PROJECT AND NO ADDITIONAL PAYMENTS SHALL BE MADE TO THE CONTRACTOR.
- D. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS TO DELIVER ALL SALVABLE TRAFFIC SIGNAL EQUIPMENT TO THE STREET LIGHT YARD AT 160 KOULA ST. AND STOCKPILED WITHIN THE SITE.
- E. MINIMUM CLEARANCE BETWEEN TRAFFIC SIGNAL STANDARDS AND FIRE HYDRANTS SHALL BE THREE FEET.
- F. PRIOR TO INSTALLING TRAFFIC SIGNAL STANDARDS, THE CONTRACTOR SHALL REQUEST THE HAWAIIAN TELEPHONE CO. AND HAWAIIAN ELECTRIC CO. TO LOCATE EXISTING DUCTLINES WHEREVER REQUIRED.
- G. CONTRACTOR SHALL NOT REMOVE ANY TRAFFIC SIGNS OR POLES WITH TRAFFIC SIGNALS, AND/OR LIGHT WITHOUT PRIOR APPROVAL OF THE DEPARTMENT OF TRANSPORTATION SERVICES.



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

MISCELLANEOUS DETAILS

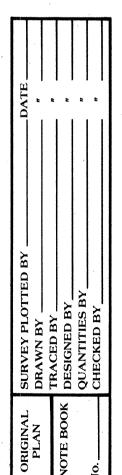
VINEYARD—PUNCHBOWL

TRAFFIC IMPROVEMENT PROJECT

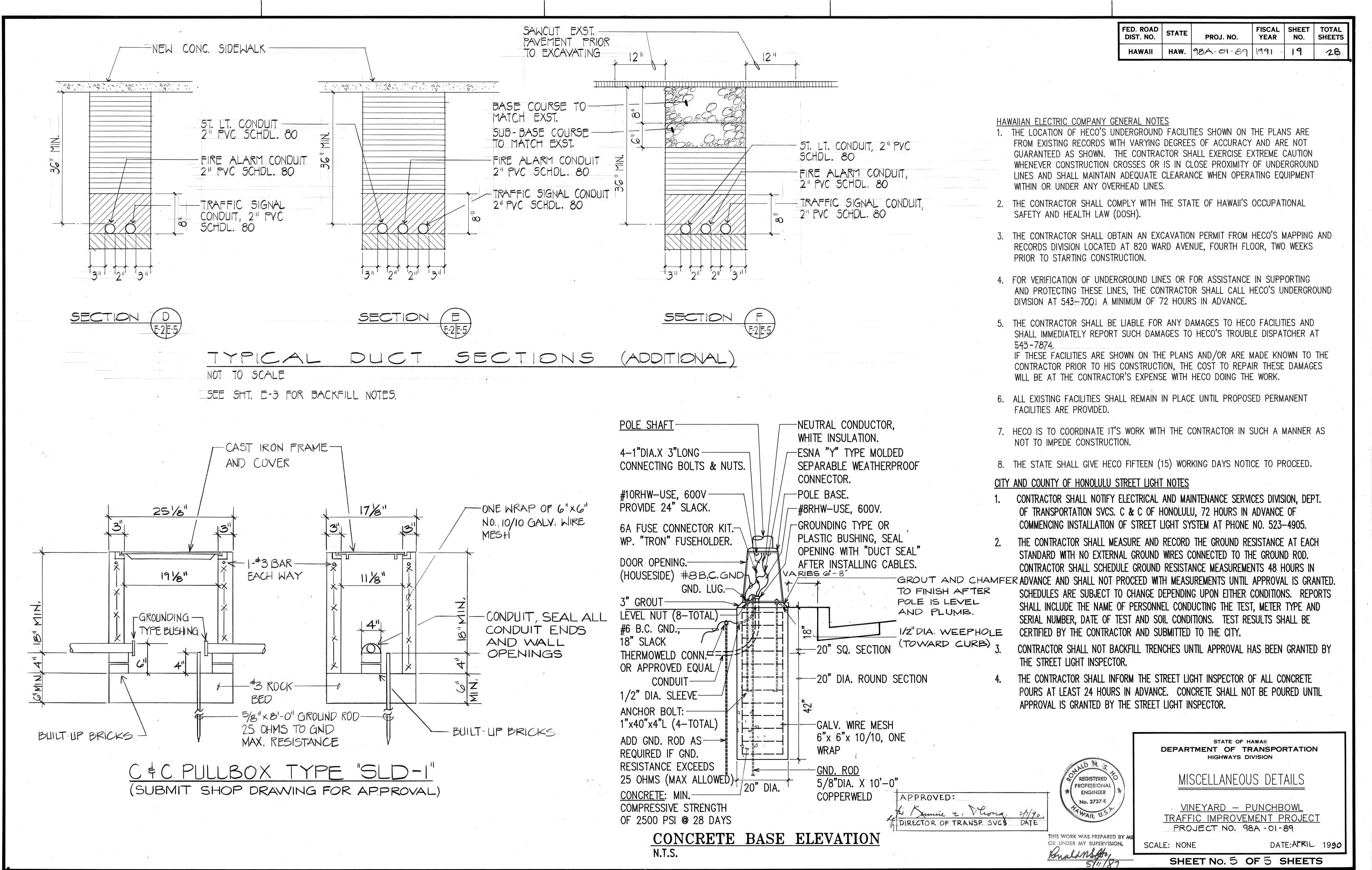
PROJECT NO. 98A—01—89

DATE APRIL 1990

SHEET No. 4 OF 5 SHEETS



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