

LCDOT Traffic Signal Special Provision Usage List
Effective March 1, 2019

Designer: _____
Contract No.: _____

FAP: _____
Section: _____

IDOT D1 Special Provisions Accepted for Use on LCDOT Projects

File Name	Special Provision Title	Effective	Revised	IDOT Guidance	Requires	LCDOT Usage	Additional LCDOT Notes
720.01TS	Mast Arm Sign Panels	05/22/02	07/01/15	Insert into all contracts that require the installation of mast arm mounted Sign Panels.		Use IDOT Spec	
720.02TS	Sign Shop Drawing Submittal	01/22/13	07/01/15	Insert into all contracts that require the installation of custom Arterial and/or Expressway signs.		Uncommon - Applies to expressway-type signs. IDOT Spec is acceptable, but should confirm with LC Traffic prior to use	
800.02TS	Optimize Signal System	05/22/02	07/01/15	Insert into all contracts that require Traffic Signal System Optimization. Verify with a traffic engineer if full optimization is required.	LC800.01	Use IDOT Spec	
800.03TS	Re-Optimize Signal System	05/22/02	07/01/15	Insert into all contracts that require Traffic Signal System LEVEL I or II Re-Optimization.	LC800.01	Use IDOT Spec	
805.01TS	Electric Service Installation	05/22/02	06/15/16	Insert into all contracts that require electric service installation.	LC800.01	Use IDOT Spec	
806.01TS	Grounding of Traffic Signal Systems	05/22/02	07/01/15	Insert into all contracts that require grounding of the traffic signal equipment.		Use IDOT Spec	
810.01TS	Coilable Non-Metallic Conduit	05/22/02	07/01/15	Insert into all contracts that has new detector loop installation.		Use IDOT Spec	
810.02TS	Underground Raceways	05/22/02	07/01/15	Insert into all contracts that has proposed underground conduits. If lighting/electrical is part of this project, please make sure the spec is not duplicated.		Use IDOT Spec	
810.03TS	Rod and Clean Existing Conduit	01/01/15	07/01/15	Insert into all contracts that require installing new cables inside existing conduits.		Use IDOT Spec	
814.01TS	Handholes	01/01/02	07/01/18	Insert into all contracts that require new handholes. Pre-cast round handholes shall not be used unless directed to do so by the traffic engineer. Pre-cast round handholes require a new D1 HH Detail		Use IDOT Spec	
817.01TS	Grounding Cable	05/22/02	07/01/15	Insert into all contracts that require grounding of existing and/or proposed traffic signal equipment.		Use IDOT Spec	
817.02TS	Fiber Optic Tracer Cable	05/22/02	07/01/15	Insert into all contracts that installs Fiber Optic Cable.		Use IDOT Spec	
862.01TS	Uninterruptable Power Supply, Special	01/01/13	05/19/16	Insert into all contracts where Uninterruptable Power Supply is proposed.		Use IDOT Spec	LCDOT to investigate future cabinet preference
873.02TS	Grounding Existing Handhole Frame and Cover	05/22/02	07/01/15	Insert into all contract with Grounding Existing Handhole Frame and Cover pay item.	806.01TS, 817.01TS	Uncommon - Use IDOT Spec	
873.03TS	Emergency Vehicle Priority System Line Sensor Cable, No. 20 3/C	01/01/13	07/01/15	Insert into all contracts that require a cable for emergency vehicle preemption installation or relocation.		Use IDOT Spec	
873.04TS	Railroad Interconnect Cable	05/22/02	07/01/15	Insert into all contracts that require a railroad interconnect cable.		Uncommon - IDOT Spec is acceptable - Confirm with LC Traffic prior to use	
875.01TS	Traffic Signal Post	05/22/02	07/01/15	Insert into all contracts that require the installation of traffic signal post.		Uncommon - Use IDOT Spec when galvanized finish is required.	Typical LCDOT installation requires spec TS Post Special (LC875.01) for black painted post
875.02TS	Pedestrian Signal Post	11/01/18		Insert into all contracts that require the installation of pedestrian signal post		Use IDOT Spec	
878.02TS	Remove and Replace Anchor Bolts	01/01/14	07/01/15	Include in all contracts that require the removal and replacement of anchor bolts when traffic signal post is proposed to be replaced and existing anchor bolts cannot be reused.		Uncommon - IDOT Spec is acceptable - Confirm with LC Traffic prior to use	
880.01TS	Light Emitting Diode (LED) Signal Head and Optically Programmed LED Signal Head	05/22/02	07/01/15	Insert into all contracts that installs new traffic signal heads or retrofit. Only 1-face signal heads in place of 2-face, 3-face or combination signal heads shall be used.		Use IDOT Spec. Applies to all new signals and retrofit signals.	
881.01TS	Light Emitting Diode (LED) Pedestrian Signal Head	05/22/02	07/01/15	Include in all contracts that installs new LED Pedestrian Signal Heads.		Use IDOT Spec	
882.01TS	Traffic Signal Backplate	05/22/02	07/01/15	Include in all contracts that installs traffic signal backplates or retroreflective traffic signal backplates.		Use IDOT Spec	
886.01TS	Detector Loop	05/22/02	07/01/18	Insert into all contracts that require the installation of new detector loops.	LC800.01	Use IDOT Spec	
886.02TS	Detector Loop Replacement and/or Installation (Roadway Grinding, Resurfacing, & Patching)	01/01/85	01/05/16	Use only on resurfacing and/or patching roadway contracts that contain detector loop replacement.	810.01TS, 886.01TS, LC800.01	Use IDOT Spec	
886.03TS	Radar Vehicle Detection System	07/01/15	05/09/17	Insert to all contracts that insalls new radar vehicle detection		Use IDOT Spec	
887.01TS	Emergency Vehicle Priority System	05/22/02	07/01/15	Include in all contracts that require new emergency vehicle preemption.		Use IDOT Spec	
887.02TS	Relocate Existing Emergency Vehicle Priority System, Detector Unit	01/01/02	07/01/15	Use when relocating an existing E.V.P. detector unit into a proposed controller cabinet.		Use IDOT Spec	
887.03TS	Relocate Existing Emergency Vehicle Priority System, Phasing Unit	01/01/02	07/01/15	Use when relocating an existing E.V.P. phasing unit into a proposed controller cabinet.		Use IDOT Spec	
887.04TS	Confirmation Beacon	01/01/02	07/01/15	Use when Confirmation beacons need to be added to existing light detectors.		Uncommon - IDOT Spec is acceptable - Confirm with LC Traffic prior to use	
888.01TS	Pedestrian Push Button	05/22/02	07/01/15	Include in contracts that require the installation of pedestrian push buttons.	LC800.01	Use IDOT Spec	
890.01TS	Temporary Traffic Signal Installation	05/22/02	01/01/17	Include in all signal contracts that require temporary traffic signal installation.	LC800.01, LC850.01, LC857.01, 862.01TS	Use IDOT Spec	
890.02TS	Temporary Traffic Signal Timing	05/22/02	07/01/15	Include in contracts that has a temporary signal installation or detour routes.	LC800.01	Use IDOT Spec	
891.01TS	Illuminated Sign, LED	05/22/02	07/01/15	Use when illuminated railroad blank-out signs are being proposed.		Use IDOT Spec	
895.03TS	Modify Existing Type "D" Foundation	01/01/02	07/01/15	Use when modifying existing type "D" foundations from a type III controller cabinet to a type IV or V controller cabinet.		Uncommon - IDOT Spec is acceptable - Confirm with LC Traffic prior to use	
895.04TS	Rebuild Existing Handhole	01/01/02	07/01/15	Use when an existing handhole needs to be adjusted/rebuilt to a new elevation.	814.01TS	Use IDOT Spec	
895.05TS	Rebuild Existing Handhole To Heavy-Duty Handhole	01/01/02	07/01/15	Use when an existing handhole needs to be rebuilt to a heavy-duty handhole.	814.01TS	Use IDOT Spec	

LCDOT Traffic Signal Special Provision Usage List
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Common LCDOT Traffic Special Provisions

File Name	Specification Title	Effective	Revised	LCDOT Usage	Requires	Additional LCDOT Notes
LC800.01	Lake County DOT Traffic Signal General Requirements	10/15/2016	3/1/2019	Include in ALL Contracts with traffic signals, PASSAGE equipment, loops, interconnect, and other traffic items		Updated to add Submittals to BLRS, remove cable requirement section
LC801.01	Layer II Data Link Switch	10/15/2016				
LC801.02	Remote-Controlled Video System	10/15/2016	3/1/2019			Revision updates model numbers, security requirements and mounting requirements
LC801.03	Video Detection System Complete Intersection	10/15/2016	3/1/2019			Revision updates security requirements
LC801.04	Camera Mounting Assembly	10/15/2016	3/1/2019	Use when installing camera on existing MA with no Combo arms		
LC801.05	Relocate Exist. Remote Controlled Video System	10/15/2016		Qty 1 per each relocate including 1 EA from Existing to Temporary and 1 EA from Temporary to Permanent		
LC801.06	Relocate Existing Switch	10/15/2016	3/1/2019	Qty 1 per each relocate including 1 EA from Existing to Temporary and 1 EA from Temporary to Permanent		If no other Network equipment included and LCDOT indicates programming is required, add note that Contractor shall be responsible to hire LCDOT's Network Integration Consultant to program the switch
LC801.07	Relocate Existing Video Detection System (Complete Intersection)	10/15/2016		Qty 1 per each relocate including 1 EA from Existing to Temporary and 1 EA from Temporary to Permanent		
LC801.20	Rectangular Rapid Flashing Beacon Assembly	6/1/2019				
LC814.04	Heavy-Duty Handhole to be Adjusted	5/5/2015	7/15/2017	Uncommon - use only when directed by LCDOT Traffic		Matches previous LCDOT Roadway Spec with same name; added to LCDOT Traffic Specs May 2017
LC814.02	Rebuild Existing Heavy Duty Handhole	1/11/2010	7/15/2017	Uncommon - use only when directed by LCDOT Traffic		Matches previous LCDOT Roadway Spec with same name; added to LCDOT Traffic Specs May 2017
LC821.01	Luminaire	10/15/2016	3/1/2019	For combination mast arm lighting; do not use for street lighting systems		Revision moves photocell from sign to cabinet; Developing future LED special provision
LC850.01	Maintenance of Existing Traffic Signal	10/15/2016				
LC857.01	Full-Actuated Controller & Type IV Cab. Special	10/15/2016	3/1/2019			Revision updates photocell requirements
LC857.02	Full-Actuated Controller in Existing Cabinet	10/15/2016	3/1/2019			
LC871.01	Fiber Optic Cable	10/15/2016		Use whenever new Fiber is included in the project		
LC871.02	Splice Fiber in Cabinet	10/15/2016		Include when Splice pay item is used		
LC871.03	Terminate Fiber in Cabinet	10/15/2016		Include when Terminate pay item is used		
LC873.01	Electric Cable	10/15/2016	10/1/2017	All LCDOT Intersections		Revision fixes grammatical errors
LC873.02	Outdoor Rated Network Cable	10/15/2016	7/15/2017			Revision updates coded pay item number in spec
LC873.03	Electric Cable in Conduit Video No 20 4/C	10/15/2016				
LC873.04	Electric Cable in Conduit - Coaxial	10/15/2016				
LC875.01	Traffic Signal Post Special	10/15/2016		Typical LCDOT traffic signal design		
LC877.01	Steel Mast Arm Assembly and Pole Special	10/15/2016		Typical LCDOT traffic signal design		
LC877.02	Steel Mast Arm Assembly and Pole	10/15/2016		Uncommon - Galvanized finish. Use only when directed by LCDOT Traffic		
LC878.01	Concrete Foundations	10/15/2016		All LCDOT Intersections		
LC891.01	LED Internally Illuminated Street Name Sign	10/15/2016	7/15/2017	All LCDOT Intersections		Revision moves photocell from sign to cabinet
LC895.01	Remove Existing Signal Equipment	5/31/2017		Include in contracts that require the removal of existing traffic signal equipment		
LC895.02	Remove and Reinstall Fiber Optic Cable in Conduit	6/1/2018				

Uncommon LCDOT Traffic Special Provisions - Contact LCDOT Traffic for Requirements and Latest Version

File Name	Specification Title	Effective	Revised	LCDOT Usage	Requires	Additional LCDOT Notes
LC801.08	Cellular Modem	10/15/2016	7/15/2017	Uncommon - Use only when directed by LCDOT Traffic		May be needed when replacing POTS line or when fiber or wireless interconnect is not viable; Updated Model Number
LC801.09	Terminal Server	10/15/2016	7/15/2017	Uncommon - Use only when directed by LCDOT Traffic		Used when removing a master controller and upgrading to NTCIP controllers without Ethernet; Updated models, security
LC801.10	Media Converter	10/15/2016		Uncommon - Use only when directed by LCDOT Traffic		Used when modifying existing Layer 3 switch to communicate with additional Layer 2 switch(es)
LC801.11	Fiber Optic Transceiver SFP Long Dist	10/15/2016		Uncommon - Use only when directed by LCDOT Traffic		Used when modifying existing Layer 3 switch to communicate with additional Layer 2 switch(es)
LC801.12	Fiber Optic Transceiver SFP Extra Long Dist	10/15/2016		Uncommon - Use only when directed by LCDOT Traffic		Used when modifying existing Layer 3 switch to communicate with additional Layer 2 switch(es)
LC801.13	Layer III Network Switch	10/15/2016		Uncommon - Use only when directed by LCDOT Traffic		Confirm # of SFP units required
LC801.14	Wireless Transmission System Point to Point	10/15/2016		Uncommon - Use only when directed by LCDOT Traffic		Typical install requires pairs, so qty of 2 should be used - 1 at each intersection involved in the link
LC801.15	Wireless Transmission System Subscriber Unit	10/15/2016		Uncommon - Use only when directed by LCDOT Traffic		Former WTS Long Range - Now used for all traffic signal to Water Tower Comms
LC801.16	Wireless Transmission System Base Station	10/15/2016		Uncommon - Use only when directed by LCDOT Traffic		Used at Water Tower locations
LC801.17	Rectangular Rapid Flashing Beacon Assembly (Complete)	1/2/2013	7/15/2017	Uncommon - Use only when directed by LCDOT Traffic; Not for use on IDOT Projects		Matches previous LCDOT Roadway Spec with same name; added to LCDOT Traffic Specs May 2017
LC801.18	Relocate Existing Encoder	1/2/2013		Uncommon - Use only when directed by LCDOT Traffic		
LC801.21	SC SC Coupler	11/1/2018		Uncommon - Use only when directed by LCDOT Traffic		
LC801.22	Video Encoder	10/1/2016		Uncommon - Use only when directed by LCDOT Traffic		