

SERVICE SPECIFICATION / PHYSICAL SECURITY

Parking, perimeter, and vehicle entry

GHT-SVC-024 · Revision 1.0 · 06 September 2026 · 1 / 3

Lane geometry, credentials, gates, safety inputs, intercoms, cameras, lighting, outdoor networks, power, drainage, civil pathways, and manual release, engineered together.

Intended outcome

A tested vehicle-entry system with approved safe states, usable day and night views, working exception paths, and maintainable outdoor connections.

Service scope

Parking and perimeter systems may include gates, loops or other presence detection, safety edges and photo eyes, credential readers, intercoms, cameras, vehicle-detail imaging, lighting, call stations, outdoor switches, fiber or wireless links, and management software.

The scope crosses security, civil, electrical, gate-operator, accessibility, traffic, and life-safety responsibilities. Qualified trades and authorities should review their portions; the technology design must record interface and ownership boundaries.

How the system fits together

01 Approach	Lane geometry, queue, signage, lighting, pedestrians, accessible route
02 Decision	Credential, intercom, host, schedule, vehicle detail, exception policy
03 Barrier and safety	Operator, detection, safety edge or beam, manual and emergency behavior
04 Infrastructure	Power, grounding, surge protection, drainage, outdoor network, pathway, management

Typical project triggers

- Vehicle queues block public roads, fire lanes, or internal circulation
- Gate calls, credentials, and camera views are handled in separate workflows
- Long exterior links rely on exposed copper or unsupported wireless
- Weather, lighting, drainage, or vehicle speed makes detection unreliable



GHT-SVC-024 / PARKING, PERIMETER, AND VEHICLE ENTRY

Delivery and acceptance

Revision 1.0 · 06 September 2026 · 2 / 3

The final project scope identifies quantities, locations, dependencies, and the evidence required at each delivery stage.

01 Observe the approach

Map lanes, queues, turns, speeds, vehicles, pedestrians, accessibility, lighting, weather, drainage, power, pathways, existing gate hardware, and response staff.

Acceptance evidence: Annotated site plan, approach photos, traffic and exception observations, and responsibility inventory.

02 Design states and interfaces

Define credential, intercom, visitor, delivery, denied-entry, emergency, power-loss, network-loss, gate safety, camera, and manual-release behavior.

Acceptance evidence: Lane-state matrix, device and view plan, pathway and network design, interface schedule, and safe-state decisions.

03 Coordinate field work

Sequence civil pathways, foundations, electrical, gate operator, safety devices, communications, cameras, access hardware, and labeling.

Acceptance evidence: Coordination record, labeled equipment, cable and fiber test results, device inventory, and installation photos.

04 Exercise the lane

Test each credential and visitor path, intercom call, camera view, vehicle class, safety input, manual release, power and network state, and after-dark condition.

Acceptance evidence: Scenario acceptance sheets, day/night vehicle samples, event records, safe-state tests, and operator handoff.

Handover deliverables

- Annotated lane and perimeter plan
- Vehicle workflow and safe-state matrix
- Civil, electrical, gate, network, camera, and access interface schedule
- Outdoor link and device acceptance evidence
- Day/night view samples, scenario tests, as-builts, and operator guide

Closeout: GHT and the customer review the agreed evidence, record unresolved exceptions and owners, and confirm acceptance against the signed project scope.



GHT-SVC-024 / PARKING, PERIMETER, AND VEHICLE ENTRY

Planning and scope boundaries

Revision 1.0 · 06 September 2026 · 3 / 3

Customer and site inputs

- Site plan, property line, lanes, queues, traffic classes, pedestrians, and accessible routes
- Credential, visitor, delivery, intercom, denial, and emergency workflows
- Gate operator, safety devices, manual release, required safe state, and authority inputs
- Day/night lighting, weather, drainage, mounting, trenching, power, and surge conditions
- Network distance, bandwidth, fiber or wireless options, recording, and system ownership

Constraints and coordination

- Gate operators, vehicle barriers, accessible routes, egress, fire access, and traffic control require discipline-specific and local review
- License-plate or vehicle analytics do not guarantee a read and may carry privacy or policy obligations
- Outdoor copper, electronics, mounts, and power require environmental, grounding, surge, and maintenance planning
- Civil conditions hidden below grade can change pathway scope after investigation or excavation

Commercial scope and responsibilities

This specification describes the service framework. The signed statement of work defines included equipment, quantities, software licenses, integrations, access windows, schedule, pricing, warranty, and support coverage. Additional construction, electrical work, recurring subscriptions, and ongoing support require an explicit line item.

The customer appoints an acceptance owner and provides authorized access, required site information, and decisions. GHT records assumptions, coordinates assigned work, and submits changes for agreement before expanding the scope.

Technical references

Cybersecurity and Infrastructure Security Agency — [Venue Guide for Security Considerations](#) | Source review: 2026-08-20

United States Access Board — [Guide to the ADA Standards: Entrances, Doors, and Gates](#) | Source review: 2026-08-20

Security Industry Association — [Open Supervised Device Protocol](#) | Source review: 2026-08-20

Service guide and project discussion | Source review: 2026-09-06